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Interim Remedial Design Document for the Building 832 Canyon Operable Unit Lawrence Livermore National Laboratory Site 300

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February 2006

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Executive Summary

The U.S. Department of Energy (DOE) and Lawrence Livermore National Laboratory (LLNL) have prepared this Remedial Design (RD) report for the Building 832 Canyon Operable Unit (OU) at Site 300 in accordance with the Site 300 Federal Facility Agreement (FFA). LLNL Site 300 is a DOE-owned experimental test facility operated by the University of California (UC). An interim remedial action for the Building 832 Canyon OU was selected in the Interim Record of Decision (ROD) (DOE, 2001). The selected remedy consists of continued and expanded ground water extraction and treatment with monitoring and risk and hazard management. This RD report summarizes the site history, hydrogeology, contaminant distribution, treatability studies, removal actions, and the remedial design and strategy for the Building 832 Canyon OU. In addition it summarizes treatment facility performance and presents a Remedial Action Work Plan for the selected remedy.

Contaminant source areas in the OU have been identified at Building 832 and Building 830. Experiments were conducted in both areas using trichloroethylene (TCE) as a heat exchange fluid to test the stability of weapons components under different thermal conditions. Leaks in piping systems that conveyed TCE from storage areas to test cells is the most likely cause of the contamination of various environmental media, including soil, bedrock, soil vapor, and ground water. In addition to TCE, perchlorate and nitrate have also been identified as chemicals of concern (COC) in ground water at this OU.

Environmental investigations have delineated the extent of ground water contaminants in three of the four hydrostratigraphic units (HSUs). If left uncontrolled, these contaminant plumes could impact the main Site 300 water-supply well (Well 20), or cross the Site 300 boundary. The extraction wellfields described in this RD include expansion of the existing source area extraction wellfields at Building 832 and 830 and installation of new extraction wells in the proximal plume areas. The wellfield will include the addition of 11 extraction wells; four to be added at Building 832 and seven to be added at Building 830. A treatment facility modification is proposed to the Building 830-Distal South treatment facility. The treatment facility will be modified to increase the aboveground containerized wetland capacity.

The extraction wellfields are designed to prevent migration of the plumes toward downgradient water-supply wells or the Site 300 boundary. Monitoring of water levels and chemical concentrations in key ground water monitor wells and guard wells will be used to evaluate the performance of the expanded wellfields and to ensure hydraulic capture of the leading edge of these plumes. Extraction wellfield performance will be evaluated and reported on a regular basis as part of the semi-annual Site-wide Compliance Monitoring Reports (CMR), the five-year review process, and the Site-Wide Evaluation Summary report. Extraction flow rates will be adjusted or new extraction wells will be added, if needed to meet the remedial objectives. The specific extraction wellfield modifications will be based on the geometry of the plume at that time.

This remedial design is based on hydrogeologic and engineering analysis. It relies mainly on conventional treatment technologies such as granular activated carbon and ion exchange resin to remove dissolved contaminants from the ground water. It is consistent with the following priorities set by DOE:

1. Reducing VOC concentrations in soil vapor to mitigate risk to onsite workers at Buildings 832F and 830.
2. Prevent plumes from migrating offsite and/or threatening active water-supply wells.
3. Capture and remediate dissolved plumes without accelerating their migration into downgradient areas or the regional aquifer.
4. Reducing contaminant concentrations in ground water to levels that protect human health and the environment.
5. Cost-effective contaminant mass removal.

The overall objective of this remedial design is to achieve closure of the Building 832 Canyon OU Remedial Action under CERCLA. Additional modifications to this remedial design will be considered, if necessary, to achieve final cleanup standards that will be specified in the Final Record of Decision (ROD) for LLNL Site 300.

1. Introduction

This Remedial Design (RD) report describes the remedial design for the Building 832 Canyon Operable Unit (OU) at Lawrence Livermore National Laboratory (LLNL) Site 300. Site 300 is a U.S. Department of Energy (DOE)-owned experimental test facility operated by the University of California that is located in the southeastern Altamont Hills of the Diablo Range. It is located about 17 miles east-southeast of the City of Livermore and 8.5 miles southwest of Tracy, California (Figure 1).

In 2001, an Interim Site-Wide Record of Decision (ROD) (DOE, 2001) was signed by DOE and the regulatory agencies that oversee the Site 300 environmental restoration project. In the Interim ROD, interim remedial actions were selected for most of the Site 300 OUs, including Building 832 Canyon. The interim remedy selected for the Building 832 Canyon OU is ground water and soil vapor extraction and treatment with monitoring and risk and hazard management. A Remedial Design Work Plan (RDWP) (Ferry et al., 2001) presented the strategic approach and schedule to implement the remedies selected in the Interim ROD.

DOE is the lead agency for the Site 300 environmental cleanup with regulatory oversight from the U.S. Environmental Protection Agency, Region 9 (EPA), the California Regional Water Quality Control Board – Central Valley Region (RWQCB), and the California Department of Toxic Substances Control (DTSC). The scope and format of this document are consistent with EPA guidance (EPA, 1989 and 1990). As specified by EPA, it contains engineering design specifications for the ground water extraction and treatment systems, including piping and instrumentation diagrams (P&IDs), system descriptions, monitoring and construction schedules, and cost estimates for implementing the selected remedies. This RD also includes the Quality Assurance/Quality Control (QA/QC) Plans and Health and Safety Plans for construction and operation and maintenance (O&M), and the requirements for onsite storage and offsite shipment of hazardous waste and project closeout.

Section 1 of this RD summarizes the location of the Building 832 Canyon OU, its operational history, previous investigations and remedial actions, and regulatory history; Section 2 presents hydrogeology and contaminant distribution; Section 3 describes the treatability studies conducted in the OU; Section 4 presents the details of the remedial design; and Section 5 contains the Remedial Action Work Plan. Appendices A through D provide the Construction QA/QC Plan, the Construction Health and Safety Plan, the O&M QA/QC Plan and the O&M Health and Safety Plan, respectively. Appendix E summarizes substantive requirements for the Building 832 Canyon OU treatability study and Appendix F presents an evaluation of soil vapor extraction system shut-off criteria. Analytical data tables are provided on CD as Attachment A.

1.1. Location and Physical Setting

The Building 832 Canyon is a two-mile long ephemeral drainage channel. As shown in Figure 1, its catchment encompasses about 400 acres in the southeastern part of Site 300. The canyon is incised into bedrock and some of its walls are fairly steep. Surface water flows in the canyon only during or after significant rainfall. Minor amounts of surface water are present in the form of spring discharges near the southern end of the canyon.

As shown in Figure 1, the Building 832 Canyon OU is located in the southeastern part of Building 832 Canyon catchment area. The OU is about 4,500 ft long and extends from the tributary canyon that contains the Building 832 Complex to the area where the canyon empties into Corral Hollow Creek floodplain between the General Services Area to the east and the High Explosives (HE) Process Area to the west. The OU includes a second tributary canyon midway between the Building 832 Complex and Corral Hollow Creek where the Building 830 Complex is located. The OU also extends to the southwest from Building 832 Canyon where contaminated ground water extends beneath the HE Process Area OU.

1.2. Site History

Experiments involving weapons components were conducted at the Building 832 and 830 Complexes from 1957 to 1985. Details of the experiments are classified. Experiments were conducted at these facilities to test the physical and mechanical properties of weapon components under various temperatures and stress conditions. Trichloroethylene (TCE) was used as a heat exchange fluid during these experiments and was most likely released through piping leaks and accidental spills.

The Building 832 Complex consists of eight buildings (Buildings 832 A-F and Buildings 831 and 838) where experiments were conducted (Figures 2 and 4). Since testing ceased in 1985, these buildings have been used mainly for records storage and office space. Building 832F is scheduled for decontamination and demolition (D&D) by the end of fiscal year 2005. The D&D of the Building 830 and 832 Complexes is funded by the institution.

The Building 830 Complex is a single building containing three test cells where experiments involving explosives chemicals and weapons components were conducted (Figures 2 and 3). Since experiments ceased in 1985, the Building 830 Complex has been used mainly for electrical equipment storage. The Building 830 Complex is scheduled for D&D in fiscal year 2006.

1.3. Site Characterization

Site characterization began in the Building 832 Canyon OU in the early 1980s. Although the Building 832 Canyon was not formally addressed in the Site 300 Site-Wide Remedial Investigation (SWRI) report (Webster-Scholten et al., 1994), some characterization data from this area are discussed in Chapters 9 (Building 833) and 10 (Building 834) of the SWRI. This area had not been designated as a separate OU at the time the SWRI report was prepared. Characterization activities are also summarized in the Building 832 Canyon Study Area Fact Sheet (Ziagos and Sutherland, 1996) and the Building 832 Canyon OU Characterization Summary report (Ziagos and Ko, 1997). These characterization activities focused mainly on defining the hydrogeology and the spatial distribution of contaminants in soil, bedrock, and ground water.

Source area characterization activities in the Building 832 Canyon OU have included reconnaissance surveys involving collection and analysis of passive and active soil vapor samples. Results of these reconnaissance surveys were used to locate borings where soil and bedrock samples were collected. Many of these boreholes were completed as ground water monitor wells and are currently used to monitor dissolved contaminants. As a result of these characterization activities, the two building complexes were designated as contaminant release sites.

Volatile organic compounds (VOCs), primarily TCE, have been detected in soil vapor, soil, bedrock, and ground water in these two areas. TCE has also been detected in Spring 3 downgradient of Building 830. In addition to VOCs, perchlorate and elevated nitrate have been detected in the ground water beneath and downgradient of the source areas. In addition, trace amounts of the HE compounds HMX and RDX have been sporadically detected in the ground water near the Building 830 Complex. However, these detections are so few and infrequent that they do not meet the criteria for designation as a contaminant of concern (COC) in ground water. Ground water is currently monitored for VOCs, nitrate, and perchlorate in seventy-six ground water monitor or extraction wells, and the results are reported in the Site 300 Compliance Monitoring Reports. TCE has also been identified as a COC in Spring 3, located in the Building 832 Canyon between Building 830 and the site boundary. COCs also include HMX in surface soil and VOCs, HMX, and nitrate in subsurface soil and bedrock.

As in other parts of Site 300, the hydrogeology beneath the Building 832 Canyon OU is complex. Multiple water-bearing zones are present whose extent and degree of hydraulic communication vary both spatially and temporally. Additional wells may be required in the future to monitor ground water contaminant distribution as future recharge events and well pumping influence local hydraulic gradients and plume distributions.

1.4. Past Remedial Actions

Several remedial actions, including treatability studies, have been completed or are ongoing in the Building 832 Canyon OU. Treatability studies are described in more detail in Section 3 of this RD Report. Remedial actions implemented to date include:

1. Installing a ground water and soil vapor extraction and treatment system, Building 830-Source (B830-SRC) in the Building 830 source area (Figure 3). This system has been operating since February 2003 treating VOCs, perchlorate, and nitrate in ground water extracted from three wells. Aqueous-phase granular activated carbon (GAC) is used to remove VOCs, and ion exchange is used to remove perchlorate. The nitrate-bearing treated effluent from this facility is discharged by spraying as a mist to the nearby hillside where indigenous grasses utilize the nitrate as part of their seasonal growth cycle. VOCs in soil vapor are extracted and removed from one well using vapor-phase GAC.
2. Installing a portable, solar-powered ground water treatment unit, Building 830-Proximal North (B830-PRXN), in the area immediately downgradient from the Building 830 source area (Figure 2). This system has been operating since June 2000 treating ground water with VOCs from one extraction well. Aqueous-phase GAC removes VOCs from the ground water at this facility.
3. Installing a ground water treatment facility, Building 830-Distal South (B830-DISS) in the distal part of the Building 832 Canyon (Figure 2). This system has been treating VOCs, perchlorate, and nitrate in ground water under flowing artesian conditions from three passive extraction wells since July 2000. In July 2000, an aboveground zero-valent iron filings treatment unit was installed and evaluated as a method for treating VOCs in ground water. Subsequent to the conclusion of the iron filings treatability study, aqueous-phase GAC replaced the iron filings unit for VOC removal.

In addition, an open container bioreactor was installed to evaluate this technology for treatment of nitrate and perchlorate in ground water.

4. Installing a ground water and soil vapor extraction and treatment facility Building 832-Source (B832-SRC) in the Building 832 source area (Figure 4). This system has been operating since October 1999 treating ground water and soil vapor extracted from nine wells. Aqueous-phase GAC removes VOCs and ion-exchange resins remove perchlorate from the extracted ground water. The nitrate-bearing treated ground water is misted to the nearby hillside where indigenous grasses utilize the nitrate as part of their seasonal growth cycle. Extracted soil vapor is removed by vapor-phase GAC.

1.5. Regulatory History

Site 300 was placed on the U.S. EPA's National Priorities List (NPL) in 1990. DOE, EPA, RWQCB, and DTSC signed a Federal Facility Agreement for Site 300 in 1992 to facilitate compliance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986. As part of the CERCLA process, DOE/LLNL have conducted environmental investigations and treatability studies and prepared many reports for the Building 832 Canyon area including:

- The Building 832 Canyon Study Area Fact Sheet (LLNL, 1996), that summarized the historical operations, use, and chemical releases in the OU, as well as plans for additional investigations
- A letter report entitled "Building 832 Canyon Operable Unit Characterization Summary, LLNL Site 300" (DOE, 1997). This report summarized the physical setting, hydrogeology, nature and extent of contamination, soil vapor flux and ambient air measurements for the OU, and plans for installation of additional wells and treatability studies.
- The Site-Wide Feasibility Study (SWFS) (Ferry et al., 1999), which screened and evaluated remedial alternatives for all Site 300 OUs, including Building 832 Canyon.
- The Proposed Plan for Environmental Cleanup at LLNL Site 300 (Dresen et al., 2000) that presented the recommended remedial alternatives for the Site 300 OUs, including Building 832 Canyon.
- The Interim Site-Wide ROD (DOE, 2001), which specifies ground water and soil vapor extraction and treatment, with monitoring and risk and hazard management as the interim selected remedy for the Building 832 Canyon OU.
- The Remedial Design Work Plan (Ferry et al., 2001), which describes the strategic approach and schedule for implementing cleanup as established in the Interim Site-Wide ROD.
- The Compliance Monitoring Plan/Contingency Plan for Interim Remedies at LLNL Site 300 (Ferry et al., 2002). This document describes the monitoring activities and procedures to be followed during implementation of the selected interim remedies.

- The Site 300 annual and semi-annual Compliance Monitoring Reports that summarize the results of ground and surface water and treatment system influent and effluent monitoring, treatment facility mass removal data, and progress toward site cleanup.

At present, several treatability studies are in progress to collect site-specific data and evaluate the performance of remedial technologies selected in the Interim Site-Wide ROD. The performance of these remedies is discussed in Section 3.0 of this document.

2. Hydrogeology and Contaminant Distribution

This section summarizes the aspects of the Building 832 canyon OU hydrogeology and contaminant distribution that are important to the remedial design. The hydrogeology and contaminant distribution were re-evaluated and the conceptual hydrogeologic model for the Building 832 Canyon updated based on additional data collected since the SWFS was prepared in 1999. The data evaluated in this section was collected prior to December 31, 2004.

2.1. Hydrogeology

The Building 832 Canyon OU is located in a two mile-long, northwest-southeast-oriented canyon in the southeastern part of Site 300 (Figure 2). This 400-acre canyon is an ephemeral drainage that conveys surface runoff and shallow ground water into the alluvium of the Corral Hollow Creek floodplain during heavy rainfall. A geologic map of the area is presented in Figure 5. Three cross-sections (A-A', B-B', and C-C') were prepared for this report (Figures 6, 7, and 8) to show the spatial relationship between the major geologic and hydrostratigraphic units (HSUs) and contaminant source areas, key ground water monitoring wells, and Site 300's main water-supply well (Well 20). The cross-sections also show the extent of saturation and total VOC contamination distribution for HSUs impacted by Building 832 Canyon sources. Cross-section A-A' is oriented southeast along the axis of Building 832 Canyon. Cross-sections B-B' and C-C' are oriented along the two tributary canyons where the main contaminant source areas are located at the Building 830 and 832 Complexes.

From a regional geologic perspective, Building 832 Canyon is located on the eastern limb of a southeast-plunging syncline, the axis of which is located to the west in the High Explosives (HE) Process Area. This syncline is defined by the orientation of the Neroly Formation and underlying bedrock units that are unconformably overlain by younger alluvial deposits along Corral Hollow Creek. The walls of Building 832 Canyon consist of Neroly Formation bedrock outcrops which dip 12° to 16° to the southwest. Two southwest-northeast trending faults are located near the southern end of the canyon. Upward movement of ground water along these faults is probably responsible for spring discharges (e.g., Spring 3).

The narrow bottom of Building 832 Canyon contains several feet of Quaternary-age weathered bedrock and valley-fill alluvium and colluvium eroded from the nearby hillsides and canyon walls. In addition to the natural alluvial material, the Building 832 and Building 830 tributary canyons contain several feet of artificial fill beneath the building foundations. This fill is a heterogeneous mixture of sand, gravel, and native soil. It is generally of low permeability and difficult to distinguish from the underlying natural alluvium or weathered bedrock. The alluvium, fill, and weathered bedrock are underlain by interbedded siltstone, claystone, and sandstone of the Neroly Formation.

2.1.1. Conceptual Hydrogeologic Model

Ground water beneath Building 832 Canyon occurs in both alluvial and Neroly Formation bedrock water-bearing zones. In this RD report, the saturated stratigraphic intervals in the Building 832 Canyon OU have been grouped into HSUs. An HSU is a water-bearing zone that exhibits similar hydraulic and geochemical properties. For the purpose of developing a remedial strategy, the following HSUs have been identified in the Building 832 Canyon OU:

1. Quaternary alluvium, weathered bedrock and artificial fill (Qal/WBR).
2. Neroly Formation middle siltstone/claystone, $Tnsc_{1b}$.
3. Neroly Formation upper blue sandstone, Upper $Tnbs_1$.
4. Neroly Formation lower blue sandstone, Lower $Tnbs_1$.

The Qal/WBR, $Tnsc_{1b}$, and Upper $Tnbs_1$ HSUs contain contaminants that originate from the Building 832 and 830 source areas. Contaminants of concern from these sources have not been detected in ground water in the Lower $Tnbs_1$ HSU.

Representative hydrographs for each of the Building 832 Canyon HSUs are presented in Figure 9. As shown by the hydrograph for well W-830-30, the Qal/WBR HSU is highly responsive to seasonal rainfall. This response is typical of shallow alluvial water-bearing zones at Site 300 that transmit ground water following intense rainfall events but are generally dry during summer months and become completely unsaturated during droughts. Due to the spatially and temporally variable nature of saturation and ground water flow in the Qal/WBR HSU, a ground water elevation map was not generated for this zone. Instead ground water elevations are posted for ground water monitoring wells screened in this zone in Figure 10. When saturated, Qal/WBR ground water flows in the down canyon direction (generally southeast) and ultimately discharges into alluvium of the Corral Hollow Creek floodplain. Shallow contaminated ground water beneath the Building 832 and 830 source areas occurs in the weathered equivalent of the $Tnsc_{1b}$ and in adjacent fill. It is likely that during extended dry periods, this shallow ground water is not hydraulically connected with the part of the $Tnsc_{1b}$ HSU that extends beneath the HE Process Area. During wet periods, the Qal/WBR and $Tnsc_{1b}$ HSUs are continuously saturated and in hydraulic communication where these zones are in contact (i.e., where the $Tnsc_{1b}$ subcrops beneath the Qal/WBR).

The Neroly bedrock HSUs are lithostratigraphic units that can be identified on geophysical logs, in drill cores, and in outcrop. These units can be identified and correlated throughout other OUs in the southeast corner of Site 300. Where these stratigraphic units are saturated, they exhibit significant hydraulic communication. Where the bedrock HSUs subcrop beneath alluvial HSUs, like the Qal/WBR in Building 832 Canyon or the Quaternary alluvium in Corral Hollow Creek, these separate hydraulic systems are in local hydraulic communication.

Ground water elevation maps for the Neroly $Tnsc_{1b}$ and Upper $Tnbs_1$ bedrock HSUs are presented in Figures 11 and 12, respectively. Representative hydrographs for these HSUs exhibit lower magnitude, delayed responses to rainfall events when compared to the Qal/WBR responses (Figure 9). These HSUs contain ground water under phreatic to flowing artesian conditions. The general ground water flow direction in the $Tnsc_{1b}$ HSU is to the south-southwest; in the Upper $Tnbs_1$ HSU flow is to the south-southeast. Many of the wells screened in Neroly bedrock HSUs near the Site 300 boundary exhibit confined to flowing artesian conditions. In some wells, the artesian head is as much as 10 to 15 ft above the ground surface. These wells are located

along the axis of the syncline which defines the deepest part of the geologic structure in this area. Some of the ground water from the Neroly bedrock HSUs ultimately discharges into the Corral Hollow Creek alluvium and associated Quaternary terrace deposits.

The main contaminated Neroly bedrock HSU in the Building 832 Canyon OU is the $Tnsc_{1b}$ HSU. The $Tnsc_{1b}$ is a 20- to 30-ft thick, medium-grained sandstone that occurs in the middle of the $Tnsc_1$ stratigraphic interval and is laterally continuous and easily identified throughout southeastern Site 300. The $Tnsc_{1b}$ HSU extends in the subsurface beneath the HE Process Area, where it is more than 200 ft deep and contains ground water under confined conditions. Although this zone is widespread over a large area, its hydraulic properties (e.g., hydraulic conductivity) can vary by orders-of-magnitude. For example, some $Tnsc_{1b}$ wells exhibit such low yield that they cannot sustain continuous flow, while other wells sustain long-term, unassisted flow under natural artesian pressure at a rate of a few gallons per minute (gpm) or 10,000 to 30,000 gallons (gal) per month.

The ground water elevation maps for the Neroly $Tnsc_{1b}$ and Upper $Tnbs_1$ bedrock HSUs exhibit a relatively gentle gradient between the Building 830 tributary canyon and Corral Hollow Creek. This area appears to be co-located with the two faults that extend from Building 832 Canyon to the HE Process Area. As in other parts of Site 300 (e.g., Elk Ravine fault), ground water flow in the vicinity of faults depend on the hydraulic properties of the geologic materials juxtaposed across the fault, the extent and orientation of fracturing in the vicinity of the fault, and the nature of the forces (compression or extension) that created the fault. Under pumping conditions, these faults may act as barriers to or conduits for ground water flow. As mentioned previously, these faults may be responsible for the discharge of ground water at Spring 3 near the southern end of the canyon. Spring 3 water likely originates from deeper bedrock water-bearing zones (probably $Tnbs_1$ HSU) under confined pressure that leak ground water upward along the fault.

Another important aspect of the hydrogeology in the Building 832 Canyon OU is the influence of pumping from Site 300's main water-supply well, Well 20. As presented in Figure 13, Well 20 is screened from 387 to 517 ft, mainly in sandstone within the Lower $Tnbs_1$ HSU. The pumping of Well 20 is monitored using a pressure transducer installed in nearby ground water monitoring well W-35C-02, which is also completed in the Lower $Tnbs_1$ HSU. Although Well 20 produces hundreds of thousands of gallons per month, its hydraulic influence is not obvious on the Upper $Tnbs_1$ ground water elevation map because of the limited spatial and temporal distribution of $Tnbs_1$ ground water level monitoring data. An estimate of the extent of hydraulic capture associated with Well 20 pumping is presented in Section 4.2.3 (Capture Zone Analysis). Figure 9 shows the influence of Well 20 pumping on some wells screened in the Upper and Lower $Tnbs_1$ HSUs. Although Well 20 is screened in the Lower $Tnbs_1$ HSU, pumping from it influences wells in both the Lower and Upper $Tnbs_1$ because the sand pack in this well extends above the claystone marker bed aquitard that separates the Upper and Lower $Tnbs_1$ HSUs. Continued long-term pumping of Well 20 may ultimately influence contaminated ground water from the Building 832 Canyon OU. Several ground water monitor wells screened in the $Tnsc_{1b}$ and $Tnbs_1$ HSUs have been designated as guard wells for Well 20 and are monitored quarterly as specified in the Site-Wide Compliance Monitoring Plan. These wells will continue to be closely monitored for changes as the extraction wellfield expansions described in Section 4.3 are brought online and influence ground water gradients and plume geometry. Possible actions that may be taken if contaminants are detected in guard wells or downgradient

water-supply wells are described in Sections 10.1.1.3 and 10.1.1.4, respectively of the Compliance Monitoring Plan/Contingency Plan for Interim Remedies at LLNL Site 300 (Ferry et al., 2002).

2.1.2. Water Budget

Accurate estimates of annual recharge are important to developing a credible conceptual hydrogeologic model. Although a rigorous water budget analysis was not performed for the Building 832 Canyon catchment, average annual recharge in this catchment was estimated using results from the detailed water budget analysis that was performed for the Pit 7 RI/FS (Taffet et al., 2005). This water budget was based on the Water Erosion Prediction Project (WEPP) model (D.C. Flanagan and M.A. Nearing, 1995), a process-based model developed and maintained by Purdue University for the United States Department of Agriculture. The Pit 7 water budget was performed using Site 300-specific meteorological data collected at the Site 300 Meteorological Station. The WEPP hydrology module used to estimate recharge was based on the Green-Ampt infiltration equation (WEPP User's Summary, 1995).

The most important factors controlling infiltration at Site 300 are rainfall intensity, evapo-transpiration, and soil effective hydraulic conductivity. Due to Site 300's semi-arid climate, an estimated 70% to 75% of the annual rain that falls on Site 300 is returned to the atmosphere via evapotranspiration. The amount of rainfall that infiltrates into the subsurface and is available for recharge during a year of typical rainfall intensity is about 10%. This amount can range from zero during periods of below average rainfall intensity to 25% during an El Niño year. The amount of surface runoff that is generated during a particular rainfall event is determined primarily by rainfall intensity and by soil moisture conditions. For example, the WEPP simulations showed that surface runoff was generated whenever more than 1 inch of rain fell in a 24-hour period. Generally, surface runoff is a small percentage (<5 %) of the annual rainfall.

The WEPP infiltration modeling results were applied to the Building 832 Canyon catchment to estimate recharge. The Building 832 Canyon catchment area is about 17.7×10^6 square feet (ft^2) (Figure 14). Given that average annual rainfall at Site 300 is 10.5 inches, the average annual rainfall volume in this catchment is (15.25×10^6 cubic feet [ft^3]. About 10% of this annual rainfall (1.5×10^6 ft^3) would be available to recharge the subsurface during a typical rainfall year. This translates to a recharge rate of 4,100 cubic feet per day (cfd) or about 20 gpm. This is an estimate of the amount of recharge to all the Qal/WBR and all the Neroly HSUs discussed in this report. How this recharge is portioned into the different HSUs was not evaluated quantitatively. In the northern parts of the Building 832 Canyon catchment, northwest of the Building 832 tributary canyon, the recharge water is partitioned between the Upper $Tnbs_1$, that subcrops beneath the canyon and the Qal/WBR that fills the canyon bottom. In the southern part of the catchment, the recharge water is partitioned between the $Tnsc_1$, which contains the $Tnsc_{1b}$ HSU, and the Qal/WBR. Some portion of this recharge water ultimately discharges into the Corral Hollow alluvium via the Qal/WBR HSU.

2.2. Contaminant Distribution

Environmental investigations first began at the Building 832 Canyon OU in the mid-1980s. However, the first comprehensive reports documenting the distribution of contamination in different environmental media, the Building 832 Canyon Fact Sheet and the Building 832

Canyon Operable Unit Characterization Summary, were not completed until the mid-1990s. Additional information about the distribution of contaminants was summarized in the SWFS. The SWFS also identified COCs in the media of concern in the Building 832 Canyon OU. VOCs, primarily TCE, and perchlorate and nitrate were identified as COCs in ground water. TCE has also been identified as a COC in surface water at Spring 3, located midway between Building 830 and the southern site boundary. COCs also include HMX in surface soil and VOCs, HMX, and nitrate in subsurface soil and bedrock.

The distribution of contaminants in soil vapor, soil and bedrock, and ground water is summarized in this section. Source area characterization data for soil vapor and soil samples collected at the Building 832 and 830 release sites are summarized in Figures 15, 16, 17, and 18 and included in the electronic data tables on CD as Attachment A. Contaminant data for ground water samples collected in the Building 832 Canyon OU are shown in Figures 19 through 27 and included in Attachment A. The contaminant distribution in soil vapor, soil and bedrock, and ground water are summarized in Sections 2.2.1, 2.2.2, and 2.2.3, respectively.

2.2.1. Soil Vapor

A variety of reconnaissance methods were used for VOC source area characterization at the Building 832 and 830 source areas, including both passive and active soil vapor surveys. At the Building 832 source area, passive soil vapor (Petrex®), active soil vapor, surface flux chamber, and SimulProbe samples were collected. At the Building 830 source area, Petrex® and active soil vapor samples were collected. The data from these different surveys are presented in Figure 15 for Building 832 source area and Figure 16 for the Building 830 source area. Each sample location is identified with a different symbol indicating the method used for sample collection. Wells shown with a monitor or extraction well symbol were sampled using an active soil vapor sampling method. Only maximum results for each location are plotted along with their sample depth. Maximum results are shown using a red circle with a diameter that is proportional to the TCE soil vapor concentration. If all samples for a given location were below the method detection limit, the detection limit is posted along with the deepest sample depth.

The passive Petrex® survey method was used as an initial reconnaissance tool in both source areas. Petrex® detections were used to identify impacted areas to investigate with more quantitative survey methods, such as active soil vapor surveys. These results are presented in Figures 15 and 16. Due to the qualitative nature of Petrex® data, only non-detect Petrex® (< 200 ion counts) results are plotted on these figures, along with the maximum detections from the active soil vapor surveys.

2.2.1.1. Building 832 Source Area

Both active soil vapor drive points and SimulProbe methods were used at the Building 832 source area for source investigation. Both methods involve the collection of depth-discrete soil vapor samples by drawing a vacuum on an isolated region of the subsurface in an uncased borehole. SimulProbe is a more comprehensive method because it is capable of sampling different environmental media (soil, soil gas, and ground water) from proximate locations at the same time (Winkler, 1999).

SimulProbe surveys were conducted every five feet (from 5 to 30 ft below ground surface [bgs]) during the installation of extraction wells (W-832-12, -13, -14, -15, -16, -18, -19, and -20) in the Building 832 source area. During these surveys, the SimulProbe was used to conduct

single-point pneumatic slug tests. Each survey consisted of a collocated soil sample and a short-term (about 1 minute) pneumatic test while monitoring soil vapor concentrations using an organic vapor analyzer (OVA). Once flow rates stabilized, a vapor sample was collected and submitted for TO-14 analysis. The SimulProbe results, which are summarized in Table 1, were used to determine the optimal screened interval for these extraction wells.

As summarized in Table 1, the SimulProbe survey detected vapor-phase VOCs ranging from 5 to 15 parts per million on a volume per volume basis ($ppm_{v/v}$) in the upper 10 ft where there was sufficient pneumatic permeability capable of sustaining 2 to 5 liters per minute (lpm) flow rate. This shallow region was underlain by a layer of low pneumatic permeability from about 10 to 15 ft which could not sustain flow even under high vacuum. The zone from 15 to 25 ft below the low permeability layer exhibited flow rates in the 3 to 5 lpm range and TCE concentrations up to 30 $ppm_{v/v}$ based on results from analytical laboratory measurements. The maximum VOC vapor results at each location were detected between 17 and 25 ft. The interval below 25 ft was found to exhibit very low pneumatic permeability and low to non-detectable concentrations of TCE. Based on these data, the B832-SRC extraction wells were screened in the interval from 15 to 25 ft. Although TCE was detected in the upper 10 ft, extraction wells were not screened in this zone due to concerns that placing this shallow zone under vacuum would most likely result in short-circuiting to the surface. Short-circuiting can occur in soil vapor extraction systems when a large vacuum is generated in an extraction well screened at a shallow depth in a material of moderate to high pneumatic permeability, and the vapor flow path of least resistance is to the surface rather than in the subsurface. The results of all soil vapor surveys at Building 832 are consistent with the interpretation that the main TCE source area is located near the Building 832 A, B, C, and D test cells.

In addition to these soil vapor methods, surface flux chamber measurements were made at 18 locations in the vicinity of the Building 832 Complex to evaluate inhalation risk due to VOC vapors. TCE was not detected in any of the surface flux chamber samples above detection limits that ranged from 0.0071 to 0.0081 $ppm_{v/v}$. The locations of surface flux measurements at the Building 832 Complex are presented in Figure 15.

2.2.1.2. Building 830 Source Area

At Building 830, only active soil vapor samples using soil vapor drive points have been collected. With the exception of two detections in drive points located southwest of Building 830 (830-37 and 830-39), all the soil vapor detections are located in the immediate vicinity of Building 830 (Figure 16). The results from these soil vapor surveys are consistent with the interpretation that the main TCE source area is beneath Building 830. Once this building is removed in fiscal year 2006, additional source characterization activities will be considered to identify any residual VOC sources beneath the building. Additional soil vapor or dual-phase extraction wells may be installed if significant VOCs are detected. A soil boring is planned within the present footprint of the building just to the west of existing ground water monitor well W-830-34. The objective of this new boring will be to determine whether any significant VOCs still exist in the vadose zone. The SimulProbe method will be used to collect a sample from about 17.5 ft, where the maximum active soil vapor result (1,400 $ppm_{v/v}$) was detected in well W-830-34. This well is not currently used as an SVE well because it was completed with 2-inch casing and its well screen (15.5 to 25.5 ft) extends into the shallow

ground water. It is used as a ground water performance monitoring well for the B830-SRC extraction wellfield.

2.2.2. Soil and Bedrock

Source area characterization in the Building 832 Canyon OU also included collecting subsurface soil and bedrock samples from boreholes. To date, 1,690 soil and bedrock samples have been collected in the Building 832 Canyon OU mainly to characterize the spatial distribution of subsurface contamination in the two source areas. Of the 1,690 soil and bedrock samples collected in this OU, about one third were collected in the vicinity of Building 832 and the remaining two thirds were collected in the vicinity of Building 830. Although the vast majority of these samples were analyzed for VOCs, some soil and bedrock samples were also analyzed for HE compounds (HMX, RDX, and TNT), tritium, metals, nitrogenous compounds, gross alpha and beta, and uranium. All soil and bedrock results for this area are presented in Attachment A.

HMX was identified as a COC in surface soil and subsurface soil/rock in the Building 830 area. In the Interim ROD, a "No Further Action" remedy was selected for HMX in surface and subsurface soil/rock because HMX does not pose a risk to human or ecological receptors or a threat to ground water. While nitrate was also identified as a COC in subsurface soil and rock at Building 830, a "No Further Action" remedy was selected for nitrate in this media, as it does not pose a risk and has little impact on ground water. The nitrate detected in ground water under Building 830 is thought to originate primarily from a septic tank and natural bedrock sources in this area. Therefore, HMX and nitrate in soil and rock are not addressed further in this RD report.

VOCs, primarily TCE, were identified as COCs in subsurface soil and bedrock in both the Building 830 and 832 areas. TCE results for soil and bedrock samples in each of the Building 832 and 830 source areas are summarized in Figures 17 and 18, respectively. As in the presentation of soil vapor data, maximum results are plotted for each location along with their sample depth. Maximum results are presented using a yellow circle with a diameter that is proportional to the TCE concentration. If TCE results for all samples for a given location were below detection limits, the detection limit is posted along with the deepest sample depth.

The distribution of VOCs, mainly TCE, in soil and bedrock at the Building 830 and Building 832 source areas is consistent with the release scenarios discussed above. The lack of very high TCE concentrations in shallow soil and bedrock beneath these release sites is most likely due to volatilization, downward seepage of free-phase TCE via soil and bedrock fractures, and the flushing of these source areas during heavy, El Niño-type rainfall events. Because the activities that lead to the release of these contaminants have long since been discontinued, the highest concentrations in the ground water have migrated downgradient from their release sites.

2.2.2.1. Building 832 Source Area

In the vicinity of Building 832, soil and bedrock samples were collected from 31 different boreholes. Eighteen of these boreholes were completed as ground water monitor wells. Soil and bedrock samples in this source area were collected to a maximum depth of 40 ft below the surface. TCE concentrations in this source area are generally low, ranging from less than detection limits (<0.0004 milligrams per kilogram [mg/kg]) to a maximum of 0.16 mg/kg. This maximum TCE concentration was detected at a depth of 17.5 ft in the borehole for monitor

well W-832-15, located between Buildings 832A and 832D. As presented in Figure 17, most of the TCE soil and bedrock results are less than 0.01 mg/kg.

2.2.2.2. Building 830 Source Area

In the vicinity of Building 830, soil and bedrock samples were collected from 30 different boreholes. Sixteen of the 30 boreholes have been completed as ground water monitor wells. Soil samples in this source area were collected for TCE analysis to a maximum depth of 55 ft below the surface. TCE concentrations in this area are generally higher than at Building 832, ranging to a maximum of 6.3 mg/kg at a depth of 26.5 ft in borehole 830-01, located near the southwest corner of Building 830 (Figure 18). A series of boreholes were drilled in likely source areas southwest of Building 830. These areas include a former disposal lagoon, septic system, leach field, and the center of the tributary canyon. Although trace TCE concentrations were detected in some of these samples, the majority of these results were below method detection limits (<0.004 mg/kg).

TCE detected in boreholes south of Building 830 near the confluence of the Building 830 tributary canyon and the Building 832 canyon (e.g., W-830-19, W-830-22, W-830-26, and W-830-29) is most likely the result of sorption to the $Tnsc_{1b}$ solid matrix by the dissolved TCE plume emanating from the Building 830 source area.

2.2.3. Ground Water

VOCs (primarily TCE), perchlorate, and nitrate have been identified as COCs in ground water in the Building 830 and 832 source areas. The distribution of these contaminants in the ground water beneath the Building 832 Canyon OU is presented in Figures 19 through 27. As shown in these figures, these contaminants are found in multiple HSUs, including the Qal/WBR, $Tnsc_{1b}$, and Upper $Tnbs_1$.

2.2.3.1. Qal/WBR HSU

Data indicate that VOCs and nitrate are present in ground water in the Qal/WBR HSU in concentrations exceeding their Maximum Contaminant Levels (MCLs). The distribution of VOCs, perchlorate, and nitrate in the shallow Qal/WBR HSU ground water are presented in Figures 19, 20, and 21, respectively. These data are posted rather than contoured because this water-bearing zone is highly ephemeral and is only continuously saturated during periods of average to above average rainfall intensity. These wells often do not contain sufficient water for sampling.

As shown in Figure 19, the highest VOCs concentrations occur in the vicinity of the Building 830 and 832 source areas. In 2004, total VOCs were detected in ground water samples from Qal/WBR HSU wells in concentrations ranging from <0.5 micrograms per liter (μg/L) to 3,200 μg/L. Variable saturation and VOC concentrations have been observed in shallow Qal/WBR wells located in the Spring 3 area where upward moving, confined ground water from deeper bedrock HSUs recharges the Qal/WBR HSU from below along a steep east-west trending fault that extends across the southern Building 832 Canyon and HE Process Area OUs. In addition to VOCs, nitrate in concentrations in excess of the 45 milligrams per liter (mg/L) MCL has been detected in ground water in the Qal/WBR HSU. In 2004, nitrate concentrations in this HSU ranged from 67 mg/L to 1,400 mg/L. Perchlorate has been detected in one Qal/WBR well

(W-832-15) at a concentration of 15 μg/L. Perchlorate and nitrate concentrations in Qal/WBR ground water are shown in Figures 20 and 21.

2.2.3.2. $Tnsc_{1b}$ HSU

VOCs, perchlorate and nitrate are consistently detected in ground water samples from the $Tnsc_{1b}$ HSU. The distribution of VOCs in the $Tnsc_{1b}$ HSU is presented in Figure 22. VOC concentrations in $Tnsc_{1b}$ ground water ranged from <0.5 to 8,800 μg/L in 2004, with the highest concentrations detected downgradient from Building 830. The VOC plume interpretation shown in Figure 22 is slightly revised from the plume shown in the 2004 Annual Compliance Monitoring Report (Dibley et al., 2005) in that two distinct plumes are shown emanating from the two source areas at the 100 μg/L VOC concentration level. Below 100 μg/L, two commingled VOC plumes are shown similar to the depiction in the 2004 Annual Compliance Monitoring Report. This interpretation is consistent with the location of the two primary sources and the mean south-southwest $Tnsc_{1b}$ ground water flow direction beneath the HE Process Area. The conceptual model of plume distribution in this area has been revised as more data and different data sets are incorporated into the interpretation. The original interpretation showed the $Tnsc_{1b}$ VOC plume as a narrow plume, constrained to the width of Building 832 Canyon. This conceptual model was revised when $Tnsc_{1b}$ monitoring well W-832-1927 was installed along the ridge on the other side of Building 832 Canyon. When VOCs were detected at a concentration of 39 μg/L in a ground water sample from this well, it demonstrated that the plume had migrated well beyond the extent of the canyon bottom. As shown in Figure 22, higher VOC concentrations occur downgradient of the Building 830 source area than the Building 832 source area. Many of the $Tnsc_{1b}$ ground water monitor wells located downgradient of the Building 830 source area contain VOC concentrations greater than 1,000 μg/L, whereas the maximum VOC concentration downgradient from the Building 832 source area is less than 500 μg/L. The highest current VOC ground water concentration in the OU, 8,800 μg/L in well W-830-49, is located in the Building 830 tributary canyon about 200 ft downgradient of Building 830. This well is designated as an extraction well for the wellfield expansion discussed in Section 4.2.2.

The leading edge of the $Tnsc_{1b}$ VOC plume is located near the southern Site 300 boundary and beneath the eastern part of the HE Process Area. The position of this leading edge will be closely monitored to provide an early indication of plume migration toward the Site 300 boundary. The VOC concentrations near the leading edge will be one of the main criteria used to evaluate the performance of the expanded wellfield.

In 2004, perchlorate concentrations in $Tnsc_{1b}$ ground water ranged from <4 to 15 μg/L, with the highest concentrations detected in the vicinity of Building 832. The current distribution of perchlorate in the $Tnsc_{1b}$ HSU is shown in Figure 23. The distribution of perchlorate does not extend beyond the limits of the VOC plume, and only a few wells exceed the 6 μg/L Public Health Goal (PHG) for perchlorate.

Nitrate concentrations in $Tnsc_{1b}$ ground water in 2004 ranged from <5 to 150 mg/L, with the highest concentrations detected in the Building 832 and 830 source areas. Nitrate concentrations in ground water in the $Tnsc_{1b}$ HSU are shown in Figure 24. The distribution of nitrate in the this HSU exhibits a pattern similar to the nitrate distribution in the $Tnbs_2$ HSU in the HE Process Area, where high concentrations (>70 mg/L as NO_3) occur in the oxygenated, unconfined areas of the HSU and decrease rapidly in the anoxic, confined areas. In the HE Process Area, this nitrate distribution was determined to be related to a natural attenuation process known as

denitrification based on a study of the nitrogen ($\delta^{15}N$) and ($\delta^{18}O$) oxygen isotopes of nitrate and the presence of excess nitrogen gas (N_2) (Beller et al., 2003). A similar study is ongoing at the Building 832 Canyon OU to determine whether this process is occurring in the $Tnsc_{1b}$ HSU. Current results indicate that the distribution of nitrate is influenced by denitrification. Additional sampling and analysis of key wells in this OU are scheduled for fiscal year 2005.

2.2.3.3. Upper $Tnbs_1$ HSU

As presented in Figure 25, the Upper $Tnbs_1$ HSU contains total VOCs in concentrations ranging from a maximum of 50 μg/L downgradient from the Building 830 source area to below detection limits further downgradient. This HSU has not been impacted by perchlorate or nitrate (Figures 26 and 27). The presence of VOCs in well W-830-1832 is of some concern because this well is several hundred feet from the Building 830 source area, is screened in the Upper $Tnbs_1$ HSU, and ground water in this HSU may be influenced by pumping of Well 20, completed in the Lower $Tnbs_1$. Pumping of Well 20 may influence ground water in the Upper $Tnbs_1$ HSU due to the construction of nearby monitor well W-35C-02 and a standby water-supply well (Well 18) in which the sand pack extends across both the Upper and Lower $Tnbs_1$ HSUs.

A new Upper $Tnbs_1$ guard well (W-832-2112) was recently installed midway between well W-832-1832 and Well 20. The initial, post-development ground water sample collected from this well did not contain detectable VOCs. This guard well will be monitored for contaminants on a quarterly basis as specified in the Site-Wide Compliance Monitoring Plan and outfitted with a pressure transducer to monitor water levels. Water level monitoring will be used to determine the extent of hydraulic influence of Well 20 pumping in this area.

2.2.4. Surface Water

One natural spring, Spring 3, is present within the Building 832 Canyon OU. Spring 3 is located in the canyon bottom west of well W-830-05 (Figure 2). The spring is present at the location of a steep east-west trending fault that extends across the southern Building 832 Canyon. Discharge rates from this ephemeral spring are too low to measure and standing surface water is rarely observed. However, flow can be sufficient to moisten the soil and support vegetation in the vicinity of the spring. A vertical standpipe has been installed within the spring area from which samples can generally be collected. VOCs have been detected in water samples collected from the standpipe at a maximum historical total VOC concentration of 200 μg/L in 1985. VOC concentrations in water samples collected from the Spring 3 standpipe have decreased to 34 μg/L in 2004. VOC contamination detected in this water likely originates from the underlying deeper bedrock HSUs that recharge the Qal/WBR HSU from below along the fault in this area.

An unacceptable inhalation risk (6.5×10^{-5}) was calculated for hypothetical onsite workers who would spend 8 hrs a day, 5 days a week in the vicinity of the spring based on the maximum historical (1985) VOC concentration detected in the spring. Ambient air was monitored for VOCs at Spring 3 during 2003 and the results indicated that the risk to onsite workers persists. No surface water or hydrophilic vegetation was present at Spring 3 in 2004, therefore DOE/LLNL was not able to reassess risk.

3. Treatability Studies and Hydraulic Tests

A number of treatability studies have been conducted in the Building 832 Canyon OU, primarily to evaluate the operational efficiency of various ground water and soil vapor extraction and treatment technologies. Section 3.1 describes tests conducted to date to evaluate both conventional and innovative ground water extraction methods and treatment technologies for remediation of dissolved contaminants in ground water. Section 3.2 discusses the long-term treatability studies conducted to evaluate the effectiveness of soil vapor extraction in reducing contaminant mass in the source area vadose zone and mitigating inhalation risk. Section 3.3 describes proposed treatability studies of innovative technologies to expedite source area cleanup.

3.1. Ground Water Extraction and Treatment

Several tests were conducted in the Building 832 Canyon OU to evaluate the effectiveness of ground water extraction methods and treatment technologies. Section 3.1.1 describes the ground water extraction methods that were evaluated, as well as the hydraulic tests on potential extraction wells. Section 3.1.2 describes the testing of various technologies that were evaluated to determine their effectiveness in treating ground water contaminants.

3.1.1. Hydraulic and Ground Water Extraction Method Testing

Section 3.1.1.1 describes the hydraulic testing that was conducted to evaluate ground water yield of potential extraction wells to support the remedial design process. A test that was conducted to evaluate the use of artesian wells for passive ground water extraction is described in Section 3.1.1.2. Section 3.1.1.3 describes testing conducted to determine if applying a vacuum to low yield extraction wells would enhance ground water yield and contaminant mass removal.

3.1.1.1. Hydraulic Testing

A total of thirteen hydraulic tests have been conducted in the Building 832 Canyon OU to determine hydraulic parameters, including hydraulic conductivity and sustainable yield, and to identify hydraulic communication between HSU wells. The results of these tests were used to support design and operation of the remedial actions for the Building 832 Canyon OU. Of these there were six constant-flow rate drawdown tests, four slug tests, and three natural-flow tests in artesian wells.

As summarized in Table 2, test results significantly vary from well to well, primarily due to the location of each well. In areas where the saturated thickness is limited, well yields are typically low, and in areas where wells intersect fracture networks, wells typically yield greater flow.

The long-term yield of ground water from the $Tnsc_{1b}$ HSU is fairly low, generally less than 0.5 gpm per well. The long-term yield for the Upper $Tnbs_1$ HSU ranges from 1 to 5 gpm per well. Long-term sustainable yield tends to increase toward the site boundary where the HSUs are fully saturated and under confining pressure. The results from the hydraulic tests have been used as initial hydraulic parameter estimates in the capture zone analysis discussed in Section 4.2.3. The hydraulic communication information has also been used during the

development of the conceptual model for this OU. Hydraulic data will be collected during the operation of the proposed extraction wellfield and additional hydraulic tests will be performed, as needed, for extraction wellfield optimization.

3.1.1.2. Passive Ground Water Extraction Using Artesian Wells

A treatability study at the B830-DISS treatment facility began in July 2000 to determine if the naturally-occurring artesian pressure at three existing wells (W-830-51, W-830-52, and W-830-53), could be used to convey contaminated ground water to a treatment system without the aid of pumps. Each of these wells has had positive heads ranging from 5 to 15 ft above the ground surface. The surface elevation difference between the extraction wells and the treatment system at the base of the canyon is about 60 ft. This provided a potential passive driving flow head of 75 ft. The three extraction wells, located approximately 650 ft north up the canyon from the treatment facility, are connected to the treatment system and each other through a manifold pipeline. The passive ground water conveyance system is able to supply less than 5 gpm at the facility provided there is no back-pressure. Typically the system operates at a rate of 1.0 to 1.5 gpm with an influent pressure of 11 psi. Currently, only two of the artesian wells, W-830-51 and W-830-52, are flowing. The head in well W-830-53 drops to ground surface or below when these two upgradient wells are allowed to freely flow. Operation of this system for over four years successfully demonstrated sustained passive extraction and conveyance of ground water using artesian and elevation pressures.

3.1.1.3. Vacuum Enhanced Ground Water Extraction

A treatability study to evaluate whether ground water yield can be increased in low yield extraction wells by inducing a vacuum in the extraction well casing began in early 2005 at the B832-SRC facility. This method has been successfully applied at the Building 834 ground water and soil vapor extraction and treatment facility where ground water yield was increased up to three times in extraction wells placed under a vacuum. Placing the extraction well casing under a vacuum effectively increases the gradient toward the extraction well and increases the well's zone of influence and sustainable yield.

To conduct this test, four extraction wells (W-832-12, W-832-13, W-832-14, and W-832-15) were selected and outfitted with ground water flow meters to monitor their individual performance under different operating parameters, including vacuum enhancement. These wells were selected based on their long-term yield during the last four years. The system was alternately operated, first without vacuum enhancement for two weeks and then with enhancement for two weeks while monitoring ground water yield from the four extraction wells. A minor increase in ground water yield was observed in well W-832-12, where flow increased from 17.4 gal/day without vacuum enhancement to 23.7 gal/day with vacuum enhancement. A significant increase in yield was observed in well W-832-15 from 11.4 gal/day without vacuum enhancement to 33.6 gal/day with vacuum enhancement. Additionally it was observed that nearly all the ground water yield was attributable to these two extraction wells, regardless of whether the system was operated with or without vacuum enhancement. Based on these findings, the extraction wellfield was reduced to these two extraction wells which are now operated with vacuum enhancement. Monitoring of ground water yield from these two extraction wells (W-832-12 and W-832-15) in 2005 indicates greater monthly yield than during the previous four years.

3.1.2. Ground Water Treatment Technology Testing

Ground water treatment in the Building 832 OU is complicated by the fact that extracted ground water may contain a mixture of VOCs, perchlorate, and nitrate. Where these contaminants are commingled, multiple treatment units configured in series are needed to meet effluent discharge requirements. Several treatability studies were conducted to evaluate the effectiveness of available technologies in removing contaminants from ground water, including aqueous-phase GAC and iron filings for VOCs, ion-exchange resins for perchlorate removal, an above ground containerized wetland for nitrate treatment, and a misting system to discharge nitrate-bearing effluent over the grass-covered landscape. Each is described in the following sections.

3.1.2.1. Aqueous-phase Granular Activated Carbon

Prior to the signing of the Interim Site-Wide ROD, a treatability study was conducted at the Building 832 source area to determine the effectiveness of VOC adsorption onto aqueous-phase GAC. The B832-SRC GAC test began in September 1999. B832-SRC extracts ground water from wells W-832-12, W-832-13, W-832-14, W-832-15, W-832-16, W-832-17, W-832-18, W-832-20, and W-832-22 located near the Building 832 complex (Figure 3) at an initial flow rate ranging from 30 to 300 gal per day. The flow rate eventually dropped to 5 to 50 gal per day due to lowering of the water table. The VOC ground water contaminants include TCE and trace amounts of cis-1,2-dichloroethylene (cis-1,2-DCE) at a combined influent concentration varying between 50 and 100 μg/L. Effluent sample analytical results indicated that the GAC successfully reduced VOC concentrations below analytical method detection limits.

Based on this and other similar studies conducted at Site 300, it was determined that GAC is an effective and efficient technology for removing TCE from the ground water at the concentrations and flow rates measured and anticipated for the Building 832 Canyon OU treatment facilities.

3.1.2.2. Zero-valent Iron Filings

The B830-DISS treatability study using zero-valent iron filings began in July 2000. The study was performed to evaluate the efficiency of *ex situ* reactors filled with iron filings for removing VOCs from ground water. Ground water was extracted from wells W-830-51, W-830-52, and W-830-53 located approximately 650 ft north of the B830-DISS treatment facility (Figure 3) at a flow rate ranging from 200 to 900 gal per day. The treatment unit consisted of four 55-gal reactors filled with zero valent iron shavings. After particulate filtration, the process water was exposed to the iron filings in the reactors.

The VOC contaminants in extracted ground water were predominantly TCE. Concentrations varied between 50 and 100 μg/L. Ground water samples taken from the effluent of the iron filings unit contained TCE concentrations ranging from below method detection limits (<0.5 μg/L) to 95 μg/L. Test results show that the iron filings were able to effectively remove the VOCs from the ground water when an adequate residence time within the reactors was achieved through low flows and elimination of hydraulic short-circuiting within the reactors. However, when the residence time within the reactors decreased due to higher flow rates or extensive oxidation of iron filings (causing hydraulic short-circuiting), the VOC reduction efficiency dropped significantly and required system maintenance. Additionally, the need to reoxidize and filter the iron prior to microbial aspiration presented significant technical

challenges at this un-powered facility. Other O&M issues included buildup of biomass causing backpressure and short-circuiting, the need for acetic acid injection, even distribution of water to the reactors, and operation temperature. Due to the high maintenance and residence time required to keep the iron filings system operating efficiently, it was determined that this technology was not cost-effective compared to aqueous-phase GAC. When sufficient data on iron filings treatment had been acquired, the iron filings units at B830-DISS were replaced with aqueous-phase GAC units.

3.1.2.3. Ion-Exchange Resin

A treatability study was conducted at the B832-SRC treatment facility to determine the effectiveness of ion-exchange resin in removing perchlorate from extracted ground water. The extracted water was treated using aqueous-phase GAC to remove VOCs prior to processing through the ion-exchange resin.

Testing of ion-exchange resins at the B832-SRC facility began in September 1999. Ground water was extracted from nine wells located near the Building 832 complex. The influent ground water flow rate initially ranged from 30 to 300 gal per day, but eventually dropped to 5 to 50 gal per day due to the lowering of the water table in this recharge-limited, low yield water-bearing zone. The perchlorate concentration in extracted ground water ranged from 7 to 15 μg/L. Perchlorate concentrations in effluent samples collected from the ion-exchange unit discharge line were below the method detection limit (4 μg/L), indicating that this media is a viable technology for the treatment of perchlorate in ground water.

Based on this study and other similar studies conducted at Site 300, it was determined that ion-exchange is an effective and efficient technology for removing perchlorate from the ground water at the concentrations and flow rates measured and anticipated for the Building 832 Canyon OU treatment facilities.

3.1.2.4. Misting System

A treatability study was conducted at the B832-SRC treatment facility to determine the effectiveness of indigenous grasses in utilizing nitrate-bearing misted ground water during their seasonal growth cycle. Following treatment to remove VOCs and perchlorate, the nitrate-bearing effluent is dispersed as a mist over a wide expanse of natural grassland. Although it is well documented that nitrogen is an important plant nutrient, it is very difficult to evaluate the performance of this technology for nitrate treatment because nitrate is a spatially and temporally variable natural constituent of the soil.

The nitrate-misting test began at the B832-SRC facility in September 1999. Ground water containing nitrate concentrations as high as 150 mg/L was extracted from nine extraction wells located near the Building 832 complex. The B832-SRC influent ground water flow rate initially ranged from 30 to 300 gal per day, but eventually dropped to 5 to 50 gal per day due to lowering of the water table. After treatment for VOC and perchlorate, the process water was collected in a holding tank. When enough water was accumulated, it was pumped to the misting system which consisted of one tower with a 24-gpm capacity that operates in batch mode. The misting tower distributes the ground water containing nitrate over the surrounding natural grasslands.

As part of the HE Process Area Remedial Design report, a study was conducted to evaluate the impact (i.e., nitrate loading) of misting operations on the nearby landscape. The impact was evaluated by:

1. Visually inspecting nearby grasses and vegetation to determine the area of impact due to wet deposition of the misted water.
2. Sampling soil in the misting area and a control area to establish pre-application background nitrate soil concentrations and moisture content.
3. Periodic, post-application soil sampling in both areas to evaluate changes in nitrate soil concentrations and moisture content.
4. Collecting meteorological data such as air temperature, humidity, wind direction, and wind speed to evaluate the fate of misted water.
5. Using the numerical code ADAPT provided by the National Atmospheric Resource Advisory Council (NARAC) to simulate the dispersal of nitrate-bearing mist over the landscape.
6. Continued ground water monitoring.

Soil sampling was conducted to determine the temporal and spatial variations in nitrogen, ammonium, and Kjeldhal nitrogen in surface soil as a result of misting. The soil sampling consisted of collecting pre-misting and post-misting soil samples in the Building 815-Proximal misting areas and in a control area with similar characteristics within the HE Process Area, but away from any misting operations. Average soil nitrogen content in the misting area exhibited an increase compared to the control area. The results indicate that the average nitrogen soil concentration in the misting area increased from 4.5 mg/kg to 10.6 mg/kg after 1 year of misting, while the average concentration at the control area increased from 3.4 mg/kg to 5.1 mg/kg during the same period. The Kjeldahl nitrogen and ammonium (NH_4) did not vary significantly in either area.

Misting operations were simulated using the National Atmospheric Release Advisory Center (NARAC) wind-field diagnostic model. Weather data from the Site 300 meteorological station, including wind speed and direction, was combined with regional weather observations and high-resolution terrain data to generate representative wind fields for a misting tower located in the HE Process Area at Site 300. Simulation results indicated maximum nitrate loading varied seasonally from 10 to 300 kg of nitrate (as NO_3) (2.5 to 75 kilograms as N)/acre. These rates are comparable to average agricultural nitrate loading rates reported by the United States Department of Agriculture (USDA, 2002). For this reason, DOE/LLNL concluded that the misting of nitrate-bearing water will not negatively impact the environment.

3.1.2.5. Aboveground Containerized Wetland

A treatability study was conducted at the B830-DISS treatment facility to determine the effectiveness of an aboveground containerized wetland reactor in removing nitrate from extracted ground water. This process uses microbial metabolic digestion, stimulated by carbon injection, to transform nitrate contamination into inert nitrogen gas.

The aboveground containerized wetlands test at the B830-DISS facility began in July 2000. Ground water was extracted from three wells located approximately 650 ft north of the treatment facility with nitrate concentrations as high as 70 mg/L. The B830-DISS influent ground water flow rate ranges from 0.5 to 1.5 gpm. The containerized wetland system initially included two aboveground 350-gal containers with layers of drain rock, lava rock, pea gravel, and sand. A third 1,200-gal container with a layer of drain rock and a layer of pea gravel was added in July

2002 to increase the treatment capacity. Acetic acid was added to the flow stream as a carbon source for the denitrifying microorganisms. The containers were planted with sedges (*Cyperus* spp.) obtained from local arroyos and chosen for their availability and vigor. No inocula was added to the system. The ground water was allowed to circulate through the bioreactor for 3 weeks to acclimate the wetland plants and to build a biofilm from indigenous flora. The retention time through the three tanks is four hours at a 1.5 gpm flow rate.

Analytical results from the study indicate that the containerized wetland system is capable of reducing nitrate to concentrations below the 45 mg/L discharge limit. Based on these results, it was determined that the wetland bioreactor unit is an effective nitrate treatment technology for facilities with flow rates less than 5 gpm. Additionally, this technology transforms nitrate into benign byproducts rather than transferring contaminants from one medium to another.

3.2. Soil Vapor Extraction and Treatment

A long-term treatability study to evaluate the efficacy of soil vapor extraction (SVE) in the Building 832 and 830 source areas is ongoing. The initial strategy was to implement simultaneous ground water and soil vapor extraction to lower the water table in these source areas, thereby effectively increasing the volume of VOC-contaminated soil and bedrock available for vapor-phase extraction. Generally, vapor-phase extraction is a more effective mass removal method than dissolved-phase removal using conventional ground water extraction. However, the source area must exhibit a minimal pneumatic permeability for SVE to be effective. The bedrock underlying these source areas exhibits such low pneumatic permeability that SVE has proven to be of limited success under current operating parameters.

However, as discussed above in Section 3.1.1.3 (Vacuum Enhanced Ground Water Extraction), continued operation of extraction wells at these facilities while maintaining a vacuum in the well casing has proven to be an effective method for increasing ground water yield. These studies continue as part of ongoing extraction wellfield optimization activities that are reported in the semi-annual Compliance Monitoring Reports. Additional SVE testing is planned at the Building 830 source area once Building 830 is removed during D&D.

3.2.1. B832-SRC Soil Vapor Rebound Test

The B832-SRC SVE system operated from 1999 to 2003 using nine dual-phase extraction wells (W-832-12, W-832-13, W-832-14, W-832-15, W-832-16, W-832-17, W-832-18, W-832-20, and W-832-22). During this period, TCE soil vapor concentrations in the influent facility decreased from a maximum concentration of 5.4 $ppm_{v/v}$ to levels below the EPA Method TO-14 reporting limit (<0.2 $ppm_{v/v}$). After several months of influent vapors without detectable VOCs, a soil vapor rebound test was initiated in October 2003. The objective of this ongoing test is to determine whether any significant quantities of VOCs remain in this source area. This test is the first step in evaluating the SVE shutoff criteria for vadose zone contamination specified in Appendix F of this report. After one and half years of rebound testing, VOC soil vapor samples continue to be below the method reporting limit (<0.2 $ppm_{v/v}$). The next step in evaluating the SVE shut-off criteria is to collect soil vapor samples and other performance data from individual SVE wells. To confirm the facility influent non-detect VOC vapor results, each well will be isolated at the wellhead and a soil vapor sample will be collected with a Tedlar bag and submitted for VOC analysis by EPA method TO-14. Due to wellhead construction at B832-SRC, isolating individual wellheads may require additional equipment (e.g., small

packers). Leak tests will also be conducted to determine whether the non-detect VOC vapor results are due to dilution by mixing clean ambient air with soil vapor from the subsurface via a vacuum leak in the system. Ongoing soil vapor rebound test results and progress in the evaluation of SVE shutoff criteria will be reported in the semi-annual Compliance Monitoring Reports.

3.2.2. B830-SRC SVE Treatability Study

A long-term SVE treatability study has been operating at B830-SRC since May 2003 involving one dual-phase extraction well (W-830-1807). This test has demonstrated that the pneumatic permeability in the vicinity of W-830-1807 is extremely low. The pneumatic permeability is so low that the system cannot sustain measurable vapor flow (<0.2 scfm), even under high vacuum. Six vapor samples have been collected at the wellhead. VOC concentrations ranged from 24 $ppm_{v/v}$ to 35 $ppm_{v/v}$. During this same period, VOC concentrations in sixteen vapor samples collected at the facility influent port decreased from a maximum of 20 $ppm_{v/v}$ to <0.2 $ppm_{v/v}$. The fact that a VOC-bearing soil vapor sample can be collected at the wellhead indicates that there is some minimal pneumatic permeability in the formation. However, it is not clear why the VOC concentrations in the facility influent sample are below detection limits. Ongoing wellfield optimization testing, including leak tests at this facility, will evaluate why TCE is detected in soil vapor collected at the wellhead but not at the facility influent port.

3.3. Proposed Treatability Studies

Additional treatability studies may be conducted to evaluate other methods to achieve faster and/or more cost-effective cleanup in the Building 832 Canyon OU. Treatability studies that could be conducted to evaluate methods to expedite source cleanup are discussed in Section 3.3.1. Section 3.3.2 describes an ongoing evaluation of natural denitrification processes in Building 832 Canyon ground water that may be effective in reducing nitrate concentrations in ground water.

3.3.1. Proposed Treatability Studies for Expedited Source Area Cleanup

Conventional soil vapor and ground water extraction methods may have limited success in achieving long-term source area cleanup in the fine-grained, low-permeability rock in the Building 832 and 830 source areas. A more aggressive approach to source area remediation, including evaluation and implementation of innovative remediation technologies, may be necessary to achieve cleanup of rock and ground water in these source areas in a reasonable timeframe. Technologies that may expedite source area cleanup, such as source area flushing and hydraulic fracturing to increase the permeability of fine-grained materials in source areas, will be evaluated.

The Building 832 and 830 source areas are recharge-limited and significant contamination is present in low-permeability sediments. For these reasons, the time necessary to achieve cleanup in the source areas will be impacted by low well yield, and therefore mass removal rates. The injection of treated effluent from the B832-SRC and B830-SRC treatment facilities back into the $Tnsc_{1b}$ HSU will increase the long-term sustainable yield from individual extraction wells, improve overall contaminant mass removal rates, and facilitate operation of these facilities at their peak capacity. In addition, reinjection of treated water will flush contaminants in the source

areas and increase the hydraulic gradient toward extraction wells. Reinjection of treated effluent will be evaluated to determine if this technique will significantly reduce source area cleanup time.

Hydraulic fracturing is a technique originally developed in the oil industry to improve oil production from low permeability reservoirs. A similar technique has been successfully applied to ground water cleanup projects (Sutherson, 1999). The advantages of applying this technique at the Building 832 and 830 source areas are that it will:

1. Effectively increase the hydraulic influence of the extraction wells, thereby decreasing the transit time from the aquifer to the pumping well.
2. Reduce the number of extraction wells necessary for site cleanup. This is an attractive method at Building 832 Canyon where the rugged terrain affords limited space for drill sites.
3. Provide a conduit for delivery of fluids for remedial enhancement purposes.
4. Potentially reduce source area cleanup cost.

The hydraulic fracturing technique would be tested at the Building 832 source area first and if successful, the technique would be used at the Building 830 source area. Testing will be conducted at the Building 832 source area first because this area represents a lower risk if the hydraulically-induced fractures propagate in a different direction than expected (i.e., downward rather than upward). The Building 832 source area represents a lower risk than the Building 830 source area because it contains lower contaminant concentrations and mass and is farther away from the site boundary and water-supply well, Well 20.

Any plans to hydraulically fracture within the VOC source areas at Building 830 and 832 will be subject to review by the regulatory Remedial Project Managers. Any source area considered for hydraulic fracturing will be analyzed in detail to ensure that the subsurface conditions are optimal for inducing a bowl-shaped fracture that extends upward from the point of injection.

3.3.2. Proposed Evaluation of Natural Attenuation of Nitrate in Ground Water

A comprehensive study of natural processes that influence the concentration of nitrate in the ground water using stable isotopes and dissolved noble gases was conducted in the HE Process Area. This study concluded that indigenous bacteria present in the $Tnbs_2$ HSU are responsible for degradation of nitrate to a benign by-product, nitrogen gas; a process known as denitrification (Beller et al., 2003). A similar study is currently being conducted in the Building 832 Canyon OU to determine whether this denitrification process is occurring in the $Tnsc_{1b}$ HSU. To date, 13 $Tnsc_{1b}$ wells have been sampled and analyzed for nitrate isotopes ($\partial^{15}N$ and $\partial^{18}O$) and 8 wells have been analyzed for excess dissolved nitrogen (N_2) gas. The analytical results for these samples show similar trends as the $Tnbs_2$ aquifer in the HE Process Area, supporting the interpretation that bacteria are naturally attenuating nitrate in the $Tnsc_{1b}$ HSU. Additional samples are being collected in fiscal year 2005. If the preponderance of data indicates that natural attenuation processes result in the denitrification of nitrate, it may be equally protective and more cost-effective to allow these natural processes to reduce nitrate concentrations in ground water as opposed to more costly *ex situ* treatment. Nitrate-bearing effluent that has been treated to remove other contaminants (i.e., VOCs and perchlorate) would be injected into $Tnsc_{1b}$

or $Tnbs_2$ HSU ground water where natural attenuation would be relied upon to reduce nitrate concentrations to meet cleanup standards. DOE/LLNL will present any proposals to reinject nitrate-bearing ground water into the $Tnsc_{1b}$ or $Tnbs_2$ HSUs to the regulatory agencies.

4. Remedial Design

This section presents the remedial design for ground water and vadose zone cleanup in the Building 832 Canyon OU. The remedial design includes the following major components:

- Continue vacuum-assisted soil vapor and ground water extraction and treatment in the Building 832 and 830 source areas.
- Expand the Building 832 and 830 wellfields to extract ground water from the downgradient portion of the VOC, nitrate, and perchlorate plumes.
- Install additional ground water monitor wells to evaluate extraction well field performance.
- Optimize contaminant mass removal through: (1) monitoring, evaluation and management of extraction wellfield pumping, and (2) continued evaluation of more aggressive, innovative technologies to expedite source cleanup.
- Continue evaluating the potential for natural attenuation of nitrate in ground water resulting from *in-situ* denitrification.

Sections 4.1 through 4.4 discuss the overall remedial strategy, extraction wellfield and treatment system design, and risk and hazard management to be implemented for the Building 832 Canyon OU. Sections 4.5 through 4.10 describe remediation system performance, contingency planning, system controls and safeguards, and discharge of treated ground water and vapor. The schedule and cost estimates for implementation of the remedial actions are detailed in Sections 4.11 and 4.12.

4.1. Remedial Strategy

The remedial strategy for the Building 832 Canyon OU is consistent with the objectives for vadose zone and ground water cleanup presented in the Interim ROD and the RDWP.

The overall objective of the remedial actions is to achieve closure under CERCLA of the Building 832 Canyon OU Remedial Action. The remedial strategy for cleanup utilizes a phased approach that is consistent with the following priorities:

- Reducing VOC concentrations in soil vapor to mitigate risk to onsite workers at Buildings 832F and 830.
- Prevent plumes from migrating offsite and/or threatening active water-supply wells.
- Capture and remediate dissolved plumes without accelerating their migration into downgradient areas or the regional aquifer.
- Reducing contaminant concentrations in ground water to levels that protect human health and the environment.
- Cost-effective contaminant mass removal.

This remedial strategy, which is based on hydrogeologic and engineering analysis, relies mainly on soil vapor and ground water extraction and treatment to capture and remove or destroy contaminants from the vadose zone and ground water in the Qal/WBR, $Tnsc_{1b}$, and $Tnbs_1$ HSUs. The current treatment technologies are well-proven for ground water and vadose zone cleanup. An innovative technology, a containerized wetland bioreactor, has been successful in transforming nitrate and perchlorate into benign byproducts rather the transferring contaminants from one medium to another.

This remedial strategy includes monitoring ground water and soil vapor to verify that extraction and treatment of these media continues to reduce contaminant concentrations to meet cleanup standards that will be selected and codified in the Final Site-Wide ROD. A Risk and Hazard Management Program is in place and will continue to prevent exposure during remediation and to evaluate the progress of the remedial action in mitigating risk. The remedial design is designed to be implemented in phases; the performance of each phase will be closely monitored and changes will be made as needed.

4.2. Extraction Wellfield Design

At the Building 832 Canyon OU, four extraction wellfields have been operating for several years as treatability studies. The remedial action will include expansion of the Building 832 and 830 extraction wellfields to the downgradient portions of the plumes. This section describes extraction wellfield design including both the existing extraction wellfields and the planned wellfield expansions. The existing and proposed $Tnsc_{1b}$ and Upper $Tnbs_1$ HSUs extraction wellfields are presented in Figures 29 and 30, respectively. Construction details for extraction wells are summarized in Table 3.

4.2.1. Existing Extraction Wellfields

Two existing extraction wellfields are located in the Building 832 and 830 contaminant source areas to reduce risk to onsite workers, reduce contaminant mass at the source, and prevent plume migration. Ground water containing VOCs, nitrate, and perchlorate is currently extracted from two wells located in the Building 832 source area. These wells include wells W-832-12 and W-832-15 and yield approximately 5 to 50 gal of water per day. Soil vapor is also extracted from these two wells to remove VOCs from the vadose zone. The Building 830 source area extraction wellfield currently extracts ground water from three $Tnsc_{1b}$ wells, W-830-1807, W-830-59, and W-830-19, at a combined flow rate ranging from 5 to 100 gal per day. Soil vapor containing VOCs is also extracted from well W-830-1807. Expansion of the wellfield for the Building 832 and 830 extraction wellfields is discussed in Section 4.2.2.

There are two additional existing extraction wellfields that address ground water contamination in the downgradient portion of the contaminant plumes emanating from Building 830. Ground water containing VOCs and nitrate is extracted from $Tnbs_1$ well W-830-57, located immediately downgradient of the Building 830 source area. The objective of extraction from this well is to prevent further contaminant migration in the regional $Tnbs_1$ aquifer.

A second extraction wellfield is located in the distal portion of the plumes emanating from the Building 830 source area. This wellfield is designed to prevent offsite migration of the contaminant plumes. Ground water was previously passively extracted from three wells,

W-830-51, W-830-52, and W-830-53 that remove dissolved TCE, perchlorate and nitrate from ground water under artesian pressure in the $Tnsc_{1b}$ HSU. The use of passive ground water extraction enables contaminant capture without over-stressing the $Tnsc_{1b}$ HSU and increasing plume migration toward the site boundary. In addition, the limited extraction from the B830-DISS wellfield is designed to minimize further migration of contaminants toward the site boundary, especially in an area of complex hydraulic interaction related to faults that influence ground water flow pathways and local hydraulic gradients. At this time, no changes are recommended for the $Tnsc_{1b}$ artesian wellfield. Wells W-830-51 and W-830-52 continue to flow under their natural artesian head and are still used as extraction wells for the B830-DISS treatment facility. The head in well W-830-53 has declined sufficiently that it no longer flows under artesian pressure and therefore this well is no longer used to extract ground water.

TCE plume concentrations in this area have stabilized at about 80 to 90 μg/L and the capture created by allowing these wells to flow under their own artesian pressure appears to adequately contain the TCE and perchlorate plumes in this area. The performance of this extraction wellfield is monitored using $Tnsc_{1c}$ well W-830-54, $Tnbs_{1b}$ wells W-830-14 and W-830-1730, and site boundary guard well W-880-03. These wells completely surround the leading edges of these plumes downgradient from the artesian wellfield. This wellfield will be carefully managed as the source area expansion wellfields are brought online to ensure hydraulic capture of the leading edge of these plumes without accelerating their migration. Continued monitoring of artesian head and plume concentrations in the extraction wells and nearby performance monitoring wells is crucial to the success of this remedial design.

4.2.2. Extraction Wellfield Expansions

This remedial design includes expansion of the extraction wellfields for B832-SRC and B830-SRC (Figures 29 and 30). These wellfield expansions are designed to capture and reduce the highest concentrations of dissolved contaminants in and immediately downgradient of the Building 832 and 830 source areas, and minimize further migration of these plumes toward Site 300's main water-supply well (Well 20) or the Site 300 boundary. No additional extraction wells are planned for the Building 830-DISS facility. However, the bioreactor capacity at this facility will be increased to allow for increases in natural, passive flow from the artesian extraction wells at this facility. Currently the natural flow from these artesian wells is being constrained at 0.5 to 1 gpm per well. The unconstrained flow rate should increase to 3 to 4 gpm per well.

4.2.2.1. B832-SRC Extraction Wellfield Expansion

The extraction wellfield for the B832-SRC facility will be expanded to include four additional ground water extraction wells located south west of the existing facility. This expansion will include:

- Converting three existing $Tnsc_{1b}$ monitor wells (W-832-01, W-832-10, and W-832-11) to extraction wells.
- Drilling one new 250-ft $Tnsc_{1b}$ well (W-832-TBD1) along Route 2 about 250 ft southeast of well W-832-10.

Contaminant concentrations in the new extraction wells range from 130 to 160 μg/L TCE, 6.4 to 8.6 μg/L perchlorate, and 72 to 93 mg/L nitrate. The four new wells have very low yields (less than 0.2 gpm per well), therefore the existing B832-SRC treatment facility will require

minimal modifications to accommodate the additional flow. Although wells W-832-01 and W-832-11 yield less than 0.1 gpm, their location and high TCE concentration (>100 μg/L) justify their selection as extraction wells. Well W-832-10 will be fitted with an Atlas pressure transducer to monitor water levels and evaluate recovery during facility shut down periods. All new extraction wells will be instrumented with ground water flow meters. Water from the extraction wells will be conveyed to the B832-SRC treatment facility through aboveground pipelines with lengths of between 300 and 760 ft.

The first phase of the B832-SRC wellfield expansion is scheduled for completion by the end of fiscal year 2005. This phase includes converting the existing monitor wells to extraction wells. The second phase of the expansion, due to be completed by the end of fiscal year 2007, includes drilling the new extraction well. After expansion is complete, there will be a total of six extraction wells in the B832-SRC wellfield. No additional extraction wells in the Qal/WBR HSU in the canyon bottom were included as part of the B832-SRC expansion due to the ephemeral, recharge-limited nature of this HSU and the logistical difficulties of installing extraction wells in this area. The high contaminant concentrations in this HSU will be addressed by pumping from shallow extraction wells near the source area.

Although the new wells in the expanded Building 832 extraction wellfield will be pumping from the highest plume concentrations, the anticipated yield from these wells is expected to be fairly low. Temporal VOC trends in downgradient wells will be monitored to evaluate the performance of the expanded extraction wellfield. For example, ground water monitor wells W-832-24 and W-832-25, located about 1,000 ft southeast of Building 832, will be used to monitor wellfield performance. These wells are screened in a deeper stratigraphic interval ($Tnsc_{1a}$) than the $Tnsc_{1b}$ HSU that was not saturated when these wells were drilled. Samples from wells W-832-24 and W-832-25 contain TCE at concentrations ranging from 20 to 90 μg/L. Temporal TCE trends in these wells will determine the vertical influence of the expanded wellfield. Additional performance wells for the expansion wellfield include downgradient $Tnsc_{1b}$ well W-832-1927 and guard well W-814-04. Currently, samples from well W-832-1927 contain about 30 μg/L TCE. TCE has never been detected in samples from well W-814-04 at concentrations above the reporting limit. It is anticipated that TCE in well W-832-1927 should decrease over time and W-814-04 should continue to be devoid of contaminants once the wellfield expansion is fully implemented and has had adequate time to develop full capture.

In addition to the extraction wellfield expansion in the Building 832 Complex area, ground water monitor wells W-832-05 and W-832-06 will be destroyed. These wells have sub-grade Christy box completions with poor seals and have been compromised by entry of herbicide-bearing surface water runoff.

4.2.2.2. B830-SRC Extraction Wellfield Expansion

The extraction wellfield for the B830-SRC facility will be expanded by:

- Connecting Upper $Tnbs_1$ well W-830-57, which is currently a B830-PRXN extraction well, to the B830-SRC treatment facility.
- Converting existing $Tnsc_{1b}$ monitor well W-830-49 to an extraction well.
- Converting existing Upper $Tnbs_1$ monitor well W-830-60 to an extraction well.
- Drilling one new Qal/weathered bedrock extraction well (W-830-TBD1) in the Building 830 source area.

- Drilling two new $Tnsc_{1b}$ extraction wells (W-830-TBD2 and W-830-TBD3) near monitor wells W-830-28 and W-830-25, respectively.
- Drilling an Upper $Tnbs_1$ extraction well W-830-TBD4 near monitor well W-830-18.

Contaminant concentrations in the new extraction wells range from 30 to 9,500 μg/L TCE, 6 to 11 μg/L perchlorate, and 12 to 150 mg/L nitrate. Since the yields of the four new extraction wells is unknown, some modification of the existing B830-SRC treatment facility may be necessary to accommodate the additional flow. After expansion is complete, there will be a total of ten extraction wells in the B830-SRC wellfield.

Upper $Tnbs_1$ well W-830-57 is currently the only extraction well for the B830-PRXN facility. It is more cost effective to pipe extracted ground water from this well to the B830-SRC treatment facility than to continue to operate B830-PRXN to treat ground water from a single well. Therefore, extraction well W-830-57 will be connected to the B830-SRC treatment facility as part of the wellfield expansion, and the B830-PRXN treatment unit will be removed and utilized elsewhere at Site 300. The $Tnsc_{1b}$ monitor well W-830-49 will be converted to a ground water extraction well. Although the long-term yield of this well is not known, it contains ground water with a high concentration of TCE (8,000 to 10,000 μg/L), responds fairly quickly to intense rainfall evens (within 2 months), and has about 10 ft of available drawdown. The Upper $Tnbs_1$ monitor well W-830-60 will also will be converted to an extraction well to remove VOCs from the Upper $Tnbs_1$ HSU. A shallow Qal/WBR well (W-830-TBD1) will be installed in the Building 830 source area near well W-830-34. This well will be drilled after Building 830 is removed and will be located within the former footprint of the building. It will be designed as an SVE well or a dual-phase extraction well depending on data collected when the borehole for the well is drilled. Additional soil vapor and/or ground water extraction wells may be installed in this area to expedite source cleanup. No additional extraction wells in the Qal/WBR HSU in the canyon bottom were included as part of the B830-SRC expansion due to the ephemeral, recharge-limited nature of this HSU and the logistical difficulties of installing extraction wells in this area. The high contaminant concentrations in this HSU will be addressed by source area pumping from shallow extraction wells. Two new $Tnsc_{1b}$ extraction wells (W-830-TBD2 and W-830-TBD3) will be installed near monitor well W-830-28 and W-830-25, respectively. One new Upper $Tnbs_1$ extraction well (W-830-TBD4) will be installed near W-830-18.

All new extraction wells will be tested to evaluate long-term yield prior to connection to the facility. Water from the extraction wells will be conveyed to the B830-SRC treatment facility through new and existing aboveground pipelines with lengths between 150 ft and 550 ft. Extraction wells and nearby monitor wells will be fitted with pressure transducers to evaluate ground water capture in the area and monitor ground water recovery when the system is shut down.

The yields from the Building 830 extraction wells are expected to be higher than those in the Building 832 area. The Building 830 extraction wells target the highest TCE concentrations in both the $Tnsc_{1b}$ and Upper $Tnbs_1$ HSUs. The addition of new wells to the Building 830 extraction wellfield, especially well W-830-49, should significantly increase contaminant mass removal at B830-SRC and capture of the highest contaminant concentrations in the $Tnsc_{1b}$ and $Tnbs_1$ HSUs. The Upper $Tnbs_1$ expansion wellfield will be managed to balance flow rates that are high enough to ensure capture of contaminants migrating toward the site boundary or Well

20, but are not so high that they would accelerate downward migration of contaminants from the Building 830 source area.

Downgradient plume-tracking and guard wells will be used to monitor the performance of the Building 830-SRC wellfield expansion. For example, Well 20 guard wells W-830-16 and W-832-1831 will be used to monitor the performance of the Building 830 $Tnsc_{1b}$ extraction wellfield. Wells W-819-02 and W-830-1832 and a new Well 20 guard well (W-832-2112) will be used to monitor the performance of the expanded Upper $Tnbs_1$ wellfield. Monitoring of this extraction wellfield is important because this zone exhibits hydraulic response to pumping from Well 20. A delicate hydraulic balance exists between the $Tnsc_{1b}$ and Upper $Tnbs_1$ HSUs, especially downgradient of the Building 830 source area. Maintaining an upward hydraulic gradient in this area is crucial to minimizing the downward migration of dissolved contaminants. Increased pumping of the deeper HSUs carries a risk of spreading dissolved contaminants downward, where they will be more susceptible to influence from pumping of Well 20.

4.2.2.3. Extraction Wellfield Expansion Monitoring

Figures 29 and 30 present the expanded wellfields along with the estimated hydraulic capture for the pumping wells. For comparison, the hydraulic capture is overlain on the $Tnsc_{1b}$ TCE plume. Further discussion regarding the assumptions, extraction flow rates, and other parameters that were incorporated into the capture zone analysis are presented in Section 4.2.3, Ground Water Capture Zone Analysis.

Once the Building 832 and 830 expanded wellfields are in place, their performance will be carefully monitored. Extraction wellfield optimization is the key to cost-effective ground water cleanup, especially in areas of complex hydrogeology. For example, a recent reconfiguration of the B832-SRC extraction wellfield resulted in increased ground water flow and contaminant mass removal by reducing the wellfield from nine to two extraction wells (W-832-12 and W-832-15). By isolating the two highest performing extraction wells, a higher vacuum was achieved in their well casing, resulting in increased ground water yield. In addition, capture zone analysis of water level data from nearby ground water monitor wells will be evaluated to determine the effectiveness of the extraction wellfield in capturing plumes.

Several guard wells have been designated for the Building 832 Canyon OU plumes. These wells are located between the distal edge of these plumes and the site boundary or Well 20. The continued absence of contaminants in these guard wells is evidence that natural attenuation and active extraction and treatment are adequately capturing and or naturally reducing contaminants at a safe distance from any downgradient receptors.

Additional modifications may be necessary to the extraction wellfield expansion proposed in this RD report to meet the Remedial Design objectives specified by DOE and summarized in Section 5. The full impact of the expanded wellfield on hydraulic gradients, ground water flow, and contaminant distribution will not be fully realized for several years after it is implemented. Temporal and spatial changes in contaminant distribution will be closely monitored and reported as part of the Site-Wide semi-annual Compliance Monitoring Reports.

4.2.3. Ground Water Capture Zone Analysis

WinFlow (ESI, 1996), an interactive, analytical model that simulates two-dimensional steady-state and transient ground water flow, was used to evaluate the capture zones of existing and proposed extraction wells. WinFlow simulates ground water flow in a horizontal plane

using analytical functions and uses the principle of superposition to evaluate the effects from multiple extraction wells in a uniform regional flow field. The model depicts the flow field using streamlines, particle traces, and contours of hydraulic head. The particle-tracking techniques are implemented numerically to compute travel times and flow directions.

WinFlow requires regional gradient and direction of flow, hydraulic conductivity, aquifer top and bottom elevation, and a reference head as basic input. Regional gradient and direction of flow are used to superimpose a uniform ground water flow field on the analytical model. Hydraulic conductivity is assumed to be homogeneous throughout the infinite aquifer. The aquifer top and bottom elevations are constant throughout the model, however, the transmissivity is computed based on saturated thickness for each analytical element. The particle-tracking technique requires definition of porosity which is also assumed homogeneous.

A two-step modeling approach was used to evaluate the capture zones of the proposed extraction wellfield for each HSU at Building 832 Canyon. The first step was to develop a model that simulates current conditions in each HSU and calibrate the model to measured ground water elevations and observed drawdown in existing wells. In the second step, the proposed extraction wellfield was modeled with initial estimates of flow rate for each well. The flow rates were adjusted to maximize capture zones while ensuring that the water levels remain above the pump intake for each well. When necessary, new wells were appended to the extraction wellfield to maximize mass removal and ensure capture of the high concentration areas of the plumes. New wells were only added when there is an existing well in the area or a drilling rig can physically access the proposed location without any limitation due to topographical constraints.

Using the above approach, five separate models (three in the $Tnsc_{1b}$, and one in the Upper $Tnbs_1$, and one in the Lower $Tnbs_1$ HSU) were developed for capture zone analysis. The $Tnsc_{1b}$ HSU was intentionally modeled as three separate areas because: (1) the basic aquifer parameters such as the gradient, hydraulic conductivity, and unit thickness are different in each area, and (2) each area is hydraulically isolated at the time scale under consideration (5-year capture zones). The models and basic input parameters are listed in Table 4a, and the calibrated extraction flow rate estimates for the proposed extraction wellfield are listed in Table 3. The gradient and ground water flow direction were calculated for each model using the measured ground water elevations from monitoring wells in each model domain. The aquifer thickness was obtained by averaging the thickness of the HSU observed in each well. The hydraulic conductivity values were calibrated for each model and they are within the observed values reported based on hydraulic testing (Table 2).

The expected capture zones from all three of the $Tnsc_{1b}$ HSU extraction wells are shown in Figure 29, and those for the Upper $Tnbs_1$ HSU are shown in Figure 30. In addition, the capture zone of Site 300 water-supply well, Well 20, completed in Lower $Tnbs_1$ regional aquifer, is also depicted in Figure 28 to show the maximum areal influence of pumping from this well. Although the regional aquifer is not contaminated, extraction from this HSU was considered when designing the proposed extraction wellfield to manage the vertical gradients and protect this unit.

The capture zones shown in the figures are conservative (i.e., minimum capture) because: (1) the basic parameters used for each model were selected to be conservative (i.e., minimum aquifer thickness and hydraulic conductivity, or maximum gradient values), and (2) the Winflow

infinite aquifer assumption does not hold everywhere in Building 832 Canyon due to the limited extent of saturation in the $Tnsc_{1b}$ and Upper $Tnbs_1$ HSUs. Due to this conservative approach, the actual capture zone from each extraction well is expected to be significantly larger than the capture zones depicted in Figures 29 and 30 for the $Tnsc_{1b}$ and Upper $Tnbs_1$ HSUs, respectively.

Although the results of the capture zone analysis for the expansion wells do not show full capture of the 5 μg/L contour for total VOCs and the 6 μg/L contour for the perchlorate plume, the actual capture zones in the subsurface are expected to be greater due to the recharge-limited conditions in the $Tnsc_{1b}$ HSU. The capture zone analysis conservatively assumes a constant long-term supply of recharge water. Therefore, pumping from the expanded extraction wellfield is expected to achieve the remedial design objective of preventing contamination from reaching the site boundary. Because Well 20 is completed in the Lower $Tnbs_1$ HSU, which is hydraulically separated from the $Tnsc_{1b}$ HSU, contaminants in $Tnsc_{1b}$ HSU ground water would not impact this water-supply well. Once the expanded wellfields are fully operational, ground water elevation measurements, concentration trends in performance monitoring wells, and changes in plume distribution will be used to evaluate their effectiveness in meeting remedial design objectives. If these data indicate that the plumes are not being successfully contained, actions will be considered to improve the effectiveness of the remediation system. Possible actions that may be taken include adjusting extraction well flow rates or expanding the extraction wellfield. These contingency actions are discussed in Section 10.1.1.1 (Hydraulic Control of Plumes) of the Compliance Monitoring Plan/Contingency Plan for Interim Remedies at LLNL Site 300 (Ferry et al., 2002).

4.2.4. Ground Water Cleanup Time Estimates

A mixed-tank approach was used to estimate the time to cleanup the Building 832 and 830 $Tnsc_{1b}$ TCE plumes. These plumes were selected because VOCs are the primary COCs in the Building 832 Canyon OU and they represent the largest mass of ground water contaminants. The mixed-tank approach idealizes the subsurface to an equivalent volume where the plume contains two reservoirs of contaminant mass: (1) a dissolved phase, and (2) a sorbed phase. The concentration in the mixed-tank represents the average contaminant level within the combined capture zones of all the extraction wells. The subsurface is assumed to be homogenous and ground water extraction is assumed to impact all parts of the plume equally. Additional sources of contaminants from the vadose zone are assumed to be negligible, and as ground water is extracted from the plume clean ground water is assumed to flow inward from the plume margins. This clean ground water comes into contact with the solid aquifer matrix containing sorbed contaminants and a new equilibrium concentration is established. This equilibrium is determined using a retardation coefficient. In addition, contaminants in ground water and in the soil may degrade through a first-order rate constant. This mixed-tank model can be expressed as:

$$Cw(t)=Cw_0 \exp\left[-\left(\frac{Qp}{VwR}+\lambda\right)t\right]$$

Where:

Cw(t) – concentration in dissolved phase at time t [M/L3]
Cw0 – initial concentration in dissolved phase [M/L3]

Qp - ground water extraction rate [L3/T]
Vw – volume of contaminated ground water [L3]
R – retardation coefficient [-]
l – degradation constant [T-1]
t – time [T]

Parameters used in the mixed tank model are listed in Table 4b. To estimate cleanup durations, mixed-tank models were developed for the same areas as the WinFlow models. A conservative retardation coefficient of 1.5 was used for all the models. Retardation coefficients may be higher for bedrock units at Site 300. A first-order degradation constant of 0.014 $year^{-1}$ was used for all the models to account for mass loss due to contaminants irreversibly locked in dead-end pores or locked in the bedrock matrix due to unidirectional diffusive flux. This rate is lower than degradation rates reported for geochemical or biological degradation of VOCs in ground water. The volume of contaminated ground water for each area was estimated using the TCE isoconcentration maps and the geological structure of each HSU. The extraction flow rates were obtained from the results of the WinFlow capture zone analysis. The average initial concentration in ground water was obtained by averaging the current concentration in proposed extraction wells (Table 4b).

The expected reduction in the average concentration of total VOCs in $Tnsc_{1b}$ ground water is shown in Figure 31. The time to achieve MCL (5 μg/L) and background (0.5 μg/L) concentrations of TCE in the $Tnsc_{1b}$ and Upper $Tnbs_1$ HSUs was estimated for both the Building 830 and 832 source areas. The estimated cleanup times for ground water in the Building 830 source area are:

- 70 years to achieve the TCE MCL in the $Tnsc_{1b}$ HSU.
- 95 years to achieve TCE background concentration in the $Tnsc_{1b}$ HSU.
- 75 years to achieve the TCE MCL in the Upper $Tnbs_1$ HSU.
- 170 years to achieve TCE background concentrations in the Upper $Tnbs_1$ HSU.

The estimated cleanup times for ground water in the Building 832 source area are:

- 80 years to achieve the TCE MCL in $Tnsc_{1b}$ HSU.
- 140 years to achieve TCE background concentrations in the $Tnsc_{1b}$ HSU.

Cleanup times were not estimated for the Upper $Tnbs_1$ in the Building 832 source area because this HSU is not saturated in this area.

The cleanup time estimates in the Building 830 and 832 source areas are long due to the low permeability of the $Tnsc_{1b}$ HSU and the resulting low extraction well flow rates. The only practical way to decrease the estimated cleanup durations in the Building 830 and 832 source areas is to increase the permeability of the fine-grained source areas by implementing more aggressive technologies (e.g., hydraulic fracturing) as discussed in Section 3.3.1. The cleanup time estimates in the Upper $Tnbs_1$ HSU are also long due to the limitations on pumping rates in this HSU to avoid drawing contaminants from overlying HSUs downward into the Upper $Tnbs_1$ HSU. During this phase of ground water cleanup, the Building 830 source area is a high priority and should be pumped aggressively to hydraulically contain and clean up this source area. The Building 830 source area is the main source of contaminants to the deeper Upper $Tnbs_1$ HSU and the $Tnsc_{1b}$ artesian area. Any increase in capture and mass removal from this area can only have positive results downgradient.

The mixed-tank models used to estimate cleanup times for the wellfield expansions have a high degree of uncertainty because of the idealized conceptual model and the difficulty in calculating accurate average values for input parameters. Highly conservative input values were used in this analysis yielding relatively long cleanup time estimates. These estimates should be considered worst-case results (i.e., the longest duration cleanup times). A sensitivity analysis indicates an uncertainty of 20 years of cleanup times to the MCL and 30 years to background concentrations.

4.3. Treatment System Design and Operable Status

This section describes the design and operation of four existing treatment facilities and planned wellfield expansions.

Two simultaneous ground water and soil vapor extraction and treatment facilities and two ground water extraction and treatment facilities are currently operating in the Building 832 Canyon OU:

1. B832-SRC ground water and soil vapor extraction and treatment facility, located in the Building 832 source area and described in Section 4.3.1.
2. B830-SRC ground water and soil vapor extraction and treatment facility, located in the Building 830 source area and described in Section 4.3.2.
3. B830-PRXN ground water extraction and treatment facility, located west of the Building 830 source area and described in Section 4.3.3.
4. B830-DISS ground water extraction and treatment facility, located south of the Building 830 source area and described in Section 4.3.4.

The remedial design includes continued operation of the B832-SRC, B830-SRC, and B830-DISS treatment facilities. Use of the B830-PRXN facility will be discontinued and its single extraction well, W-830-57, will be connected to the B830-SRC facility to consolidate all treatment activities in this area.

As part of the remedial design implementation, the extraction wellfields for the B832-SRC and B830-SRC facilities will be expanded to increase contaminant mass removal and prevent plume migration. The treatment system and wellfield expansions are discussed in Section 4.2.2.

Relevant engineering data for each facility, including flow rates, influent concentrations, treatment methods, and effluent discharge methods are summarized in Table 5 and described in more detail in Sections 4.3.1 through 4.3.4.

4.3.1. B832-SRC Treatment Facility

The main objective of this facility is to mitigate VOC inhalation risk from indoor ambient air in Building 832F, remove contaminant mass from environmental media, and control the contaminant source and ground water plume migration. This ground water and soil vapor extraction and treatment facility has been operating since September 1999.

The B832-SRC facility extracts and treats ground water contaminated with TCE and cis-1,2-DCE at a combined concentration of about 100 μg/L, perchlorate at 10 μg/L, and nitrate at 150 mg/L. The original extraction wellfield for this facility consisted of nine dual-phase extraction wells (W-832-12, W-832-13, W-832-14, W-832-15, W-832-16, W-832-17, W-832-18, W-832-20, W-832-22) that initially operated at a combined flow rate ranging from 30 to 300 gal

per day. Pneumatic displacement pumps are used to extract ground water from the wells due to the low yield. A compressor supplies air at 100 psi to all pumps via a pipe manifold. After pumping from the nine extraction wells for a period of time, the flow rate decreased to 5 to 50 gal per day due to lowering of the water table in this recharge-limited, low yield water-bearing zone. Ground water is currently being extracted only from wells W-832-12 and W-832-15 because the other extraction wells no longer produce sufficient water for extraction. The induced vacuum in the extraction wells can increase ground water capture and sustainable yield.

The ground water treatment system is equipped with particulate filtration, aqueous-phase GAC, ion-exchange resin, and a misting tower. The three 200-lb GAC canisters connected in series are designed to remove VOCs in ground water. The third GAC canister is a safeguard against VOC breakthrough. When VOCs are detected between the second and third GAC canister above the effluent discharge limits, the GAC in the first canister is replaced with clean GAC and is placed in the third position. The remaining partially-saturated GAC canisters move up in position (e.g., the third GAC canister moves to the second position and the second GAC canister moves to the first position) to optimize GAC usage. The two ion-exchange reactors connected in series are designed to remove perchlorate from ground water. Each ion-exchange canister is filled with approximately 3 ft^3 of Sybron SR-7™ resin. Although SR-7™ resin has a high affinity for nitrate, operational data indicate the resin has a high selectivity for perchlorate. The processed water is then collected in a holding tank and discharged periodically to a misting tower that distributes the ground water containing nitrate over the indigenous grasslands. The misting tower is designed to create tiny droplets (mist) that are more likely to be carried by wind currents thus enabling a wider distribution. The tower is located along a ridge which offers greater exposure to the wind.

B832-SRC also extracts and treats soil vapor contaminated with VOCs at a current combined concentration of less than 2 $ppm_{v/v}$ and a flow rate ranging from 3 to 19 standard cubic feet per minute (scfm). The soil vapor extraction and treatment system incorporates a positive displacement vacuum blower that draws soil gases from the same nine dual-phase extraction wells. The extracted vapor is drawn through a knockout chamber that traps water and then is forced through three 170-lb vapor-phase GAC vessels housed in a heated enclosure to reduce condensation. After treatment with GAC, the soil gas is discharged to the atmosphere through a 12-ft high stack.

The system is powered via utility lines from an adjacent power pole and transformer. Equipment specifications for this treatment facility are presented in Table 6. The P&ID for this facility is shown in Figure 32.

4.3.2. B830-SRC Treatment Facility

The main objective of this facility is to mitigate VOC inhalation risk from indoor and outdoor ambient air at Building 830, remove contaminant mass, and control the contaminant source and ground water plume migration. The ground water and soil vapor extraction and treatment facility has been operating since February 2003.

B830-SRC treats ground water contaminated with VOCs (predominantly TCE), and at concentrations between 2,000 and 4,000 μg/L, perchlorate at 10 μg/L, and nitrate at 144 mg/L. Ground water is extracted from $Tnsc_{1b}$ wells W-830-1807, W-830-59, and W-830-19 located in the vicinity of Building 830 at a flow rate ranging from 5 to 100 gal per day. B830-SRC is also

designed to extract and treat soil vapor contaminated with VOCs from well W-830-1807. However, to date, no soil gas flow is occurring due to very low pneumatic permeability soils in the geologic region screened by well W-830-1807. Adjustable centrifugal and diaphragm pumps are used to extract ground water from the wells due to the low yield. A rotary-vane blower is used to extract soil gas. The added vacuum above the otherwise static water level in the vapor extraction well also increases sustained water yield. A higher vacuum unit is being installed to increase soil gas flow and VOC mass removal from the subsurface.

The ground water treatment system is equipped with particulate filtration, aqueous-phase GAC, ion-exchange resin, and two misting towers. The three 200-lb GAC canisters are connected in series to remove VOCs in ground water. The three GAC canister configuration is used as a safeguard against VOC breakthrough and to optimize use of the GAC adsorption capacity as described in Section 4.3.1. The two ion-exchange reactors connected in series are designed to remove perchlorate within the ground water. Each ion-exchange canister is filled with approximately 3.4 ft^3 of Sybron SR-7™ resin. Although SR-7™ resin has a high affinity for nitrate, operational data indicate the resin has a high selectivity for perchlorate. The process water is collected in a holding tank and discharged periodically to two misting towers that distribute the ground water containing nitrate over the indigenous grasslands. The misting towers are designed to create tiny droplets (mist) that are more likely to be carried by wind currents, thus enabling a wider distribution. The towers are located along a ridge which offer greater exposure to the wind.

The soil vapor extraction and treatment system incorporates a rotary-vane vacuum blower designed to draw soil gasses from the dual-phase extraction well. The extracted vapor is drawn through a knockout chamber that traps water and then forced through three 170-lb vapor-phase GAC vessels housed in a heated enclosure to reduce condensation. After treatment with GAC, the soil gas is discharged to the atmosphere through a 12-ft high stack.

The system is powered via utility lines from an adjacent power pole and transformer. Equipment specifications for this treatment facility are presented in Table 8. The P&IDs for this facility are shown in Figures 33 and 34.

4.3.3. B830-PRXN Treatment Facility

The main objective of this facility is to remove contaminant mass and control downgradient plume migration. Since contaminated ground water is the source of Spring 3, this facility will reduce contaminant concentrations in ground water and the spring, thereby mitigating the VOC inhalation risk at the spring. This ground water extraction and treatment facility has been operating since June 2000.

B830-PRXN treats ground water contaminated with TCE and cis-1, 2-DCE at a combined concentration of about 45 μg/L, and nitrate in concentrations up to 20 mg/L. Ground water is extracted from $Tnbs_1$ well W-830-57 located near the treatment system at a flow rate ranging from 500 to 1,500 gal per day. A diaphragm pump is used to extract ground water from the well.

The ground water treatment system is completely contained, portable, and equipped with particulate filtration and aqueous-phase GAC. The three 200-lb GAC canisters connected in series are designed to remove VOCs in ground water. The three GAC canister configuration is used as a safeguard against VOC breakthrough and to optimize use of the GAC adsorption capacity, as described in Section 4.3.1. The treated water is discharged continuously to an

infiltration trench 20 ft long, 2 ft wide, and 3 ft deep. The trench contains drain rock, perforated drainpipe, silt barrier, and native soil.

The system is powered by solar panels attached to the treatment system. Equipment specifications for this treatment facility are presented in Table 9. The P&ID for this facility is shown in Figure 35.

An engineering cost evaluation indicated that it would be more cost-effective to discontinue use of the B830-PRXN treatment facility and connect its ground water extraction well (W-830-57) to the B830-SRC facility. This will occur as part of the B830-SRC expansion scheduled to occur in fiscal year 2006. For this reason, no long-term O&M costs have been provided for the B830-PRXN facility. The B830-PRXN solar-powered treatment unit will be utilized elsewhere at Site 300.

4.3.4. B830-DISS Treatment Facility

The main objective of this facility is to remove contaminant mass and control the contaminant ground water plume to prevent migration offsite. The ground water extraction and treatment facility has been operating since July 2000.

B830-DISS treats ground water contaminated with VOCs (predominantly TCE) at concentrations varying between 80 and 150 μg/L; perchlorate at 4.5 μg/L; and nitrate as high as 69.5 mg/L, extracted from wells W-830-51, W-830-52, and W-830-53. These wells are located approximately 650 ft north from the treatment facility. Each of these wells originally had a positive hydraulic head (artesian) ranging from 5 to 15 ft above the ground surface. Currently only two wells (W-830-51 and W-830-52) still have sufficient head to flow passively through the treatment facility. The head in W-830-53 decreased so that it is not flowing passively at this time. The surface elevation difference between the extraction wells up the canyon and the treatment system at the base of the canyon is about 60 ft. This provides for a potential passive driving flow head of 75 ft. The passive ground water conveyance system is able to supply greater than 5 gpm at the facility provided there is no back-pressure at the treatment system. Typically the system runs between 0.5 and 1.5 gpm. The extraction wells are connected to the treatment system through a manifold pipeline.

The ground water treatment system is currently equipped with particulate filtration, aqueous-phase GAC, ion-exchange resin, acetic acid injection, and three aboveground bio-reactors. The two 200-lb GAC canisters connected in series are designed to remove VOCs in ground water. The three GAC canister configuration is used as a safeguard against VOC breakthrough and to optimize use of the GAC adsorption capacity as described in Section 4.3.1. The two ion-exchange reactors connected in series are designed to remove perchlorate from the ground water. Each ion-exchange canister is filled with approximately 5.5 ft^3 of Sybron SR-7™ resin. Although SR-7™ resin has a high affinity for nitrate, operational data indicate the resin has a high selectivity for perchlorate. The biological denitrifying system is designed to remove nitrate from extracted ground water. The system includes one 1,200-gal container with a layer of drain rock and a layer of pea gravel in which Sedges (*Cyperus* spp.) are planted followed by two 350-gal containers in parallel containing layers of drain rock, lava rock, pea gravel, and sand. The retention time through the three tanks is about 4 hours at a flow rate of 1.5 gpm. The flow path is from top to bottom in all tanks. Acetic acid is injected into the process stream as a carbon source for the denitrifying microorganisms immediately upstream of the first and second tanks using a dual-tube peristaltic pump.

The system is powered by artesian and elevation pressure as described above and a solar panel, which powers the peristaltic pump. Equipment specifications for this treatment facility are presented in Table 9. The P&ID for this facility is shown in Figure 36.

At B830-DISS, treated water is currently discharged directly to an existing drainage in the bottom of the canyon adjacent to the treatment facility. However, as required by the RWQCB, the discharge of treated water from the B830-DISS facility to the surface water drainage will be discontinued. Treated effluent from this facility will be injected into the $Tnbs_2$ HSU, as discussed in Section 4.9.3.

4.4. Risk and Hazard Management

The goals of the Building 832 Canyon OU Risk and Hazard Management Program as described in the Site-Wide Compliance Monitoring Plan/Contingency Plan are to control exposure to contaminants and to ensure the selected interim remedies for the Building 832 Canyon OU protect human health and the environment while the Remedial Objectives are being achieved.

The risk and hazard management components of the selected interim remedies for the Building 832 Canyon OU include:

- Maintaining land use restrictions in the vicinity of Building 830 and 832. If modeling and risk estimation for indoor air within Building 830 and Building 832F indicates that risks currently exceed 1×10^{-6} or the HI exceeds 1, institute building restrictions or, if building use is again anticipated, install a building ventilation system and operate it whenever the building is occupied.
- Estimating risk estimation for outdoor ambient air annually for VOCs near Building 830, until risk is below 10^{-6} for at least two years.
- Estimating risk estimation for indoor ambient air annually for VOCs near Building 830 and Building 832F, until risk is below 10^{-6} for at least two years.
- Sampling outdoor ambient air annually for VOCs near Spring 3, until risk is below 10^{-6} for at least two years.
- Performing ecological surveys and data review once every five years, performing site-wide ecological surveys and data reviews to ensure changes in contaminant concentrations do not threaten wildlife populations and vegetation communities.
- Integrating these data into risk assessment calculations to determine any changes in risks and hazards.
- Reviewing data to evaluate compliance with Remedial Action Objectives.
- Developing and implementing Operational Safety Procedures for all remedial actions where risks can be foreseen.

As reported in the 2004 Annual Compliance Monitoring Report, risk and hazard management for indoor air at Building 832F and outdoor air at Building 830 are considered complete because the estimated risk for these areas was demonstrated to have been reduced and remained below 10^{-6} and the hazard index below 1 for two consecutive years. Because the risk remained above 10^{-6} for indoor air at Building 830 and outdoor ambient air at Spring 3, the risk and hazard management program will continue in these areas as outlined above. The demolition of

Building 830 is planned to occur in fiscal year 2006. Once demolition of this building is complete, the monitoring and risk evaluation associated with indoor ambient air at Building 830 will be discontinued because the exposure pathway will no longer exist.

The results of the sampling and risk evaluation conducted as part of the Risk and Hazard Management Plan will be reported in the annual Compliance Monitoring Reports.

4.5. Performance Summary

This section summarizes performance data for the four existing Building 832 OU treatment facilities, B832-SRC (Section 4.5.1), B830-SRC (Section 4.5.2), B830-PRXN (Section 4.5.3) and B830-DISS (Section 4.5.4), and presents expected performance for the expansions to existing facilities B832-SRC (Section 4.5.5) and B830-SRC (Section 4.5.6). Treatment facility performance is expected to vary within the Building 832 OU due to a number of factors including logistics, operational limitations, extraction well yield, influent concentrations, and effluent disposal method.

To evaluate treatment facility performance, several operating parameters are measured and recorded including ground water and soil vapor flow rates and influent and effluent concentrations. With this information, extracted ground water volumes, soil vapor volumes, and contaminant mass removal are calculated on a monthly basis. To evaluate overall remedial performance in the OU, ground water elevations and contaminant concentrations are regularly monitored and reported on a semi-annual basis as specified by the Site-Wide Compliance Monitoring Plan/Contingency Plan. These data are used to generate ground water elevation and plume maps to demonstrate hydraulic control of the plume and to document plume concentration trends. Facility mass removal data are summarized in Tables 10 and 11.

4.5.1. B832-SRC Treatment Facility Performance

The primary objectives for the B832-SRC treatment facility are source control, plume migration control, and mass removal. In addition, extraction and treatment of VOCs in ground water and soil vapor were conducted to mitigate the inhalation risk to onsite workers in Building 832F. As discussed in Section 4.4, the risk for the inhalation risk in ambient air inside Building 832F has been successfully reduced and remained below 10^{-6} and the hazard index below 1 for two consecutive years. In addition, this building is scheduled for demolition by the end of fiscal year 2005. The major restrictions on system performance are equipment failure, GAC and ion-exchange resin capacity, and extraction well yield.

As of December 2004, 131,803 gal of water have been extracted and 34.2 g of VOCs, 4.6 g of perchlorate, and 66.5 kg of nitrate have been removed from the subsurface. VOC concentrations in ground water in the Building 832 source area have decreased from a maximum of 1,200 μg/L in 1999 when remediation began to a maximum of 420 μg/L in 2004. Nitrate ground water concentrations have also decreased from a maximum of 177 mg/L in 1999 to a maximum of 140 mg/L in 2004. Less significant decreases in perchlorate concentrations have been observed.

Ground water extraction and treatment facility performance data are presented in Figures 37 and 38. These figures show that contaminant mass removal is strongly associated with large seasonal fluctuations in ground water availability and may indicate mobilization of contaminants in the seasonally saturated zone.

As of December 2004, 11,902,910 ft^3 of soil vapor have been extracted and 1.3 kg of VOCs have been removed using this system. Soil vapor extraction and treatment facility performance data are shown in Figure 39. The mass removal rate has decreased significantly since treatment began due to reduced VOC concentrations. Soil vapor concentrations have ranged from below method detection limit to a maximum of 5.4 $ppm_{v/v}$ in well W-832-20. These concentrations are lower than those measured using the SimulProbe during well installation (Table 1). These results are not inconsistent with each other because the SimulProbe collects a depth discrete sample from a limited volume while the samples taken from wells during facility operation are collected over a 10-foot well screen.

A rebound test was initiated in October 2003 to determine if the rates of vapor-phase removal were due to diffusion limited mechanics after a series of vapor samples were collected from the SVE system with concentrations below the method detection limit. The vapor extraction system was turned off for 16 months and periodic vapor samples from each extraction well were taken using Tedlar bags. The rebound soil vapor concentrations were all below detection limits suggesting that the vapor-phase VOC extraction was not restricted by diffusion.

To confirm the non-detect sample results, each well will be isolated at the wellhead and a soil vapor sample will be collected for VOC analysis. Due to the wellhead construction at B832-SRC, isolating the wellheads may require additional equipment (i.e., small packers). Another step in evaluating the performance of this system is to determine if there are any leaks in the system. Currently, the SVE system is operating on two wells, W-832-12 and W-832-15, to provide vacuum-enhanced ground water extraction.

4.5.2. B830-SRC Treatment Facility Performance

The goals for treatment facility B830-SRC are source control, plume migration control, and mass removal. In addition, extraction and treatment of VOCs in ground water and soil vapor are conducted to mitigate the inhalation risk to onsite workers in indoor and outdoor ambient air at Building 830. As discussed in Section 4.4, the risk for the inhalation risk in ambient air outside Building 830 has been successfully reduced and remained below 10^{-6} and the hazard index below 1 for two consecutive years. While the risk associated with inhalation of VOCs in indoor air at Building 830, this building is scheduled for demolition in fiscal year 2006 and this exposure pathway will no longer exist. The major restrictions on system performance are equipment failure, GAC and resin capacity, and ground water and soil vapor extraction well yield.

As of December 2004, 43,411 gal of water have been extracted and 0.42 kg of VOC, 0.0006 kg of perchlorate and 15.2 kg of nitrate have been removed from the subsurface. While the B830-SRC treatment facility has only been operating since 2003, VOC concentrations in ground water have decreased by 10% to 50% in wells in the Building 830 source area. Nitrate ground water concentrations have also decreased from a maximum of 177 mg/L in 1999 to a maximum of 140 mg/L in 2004. Less significant decreases in perchlorate and nitrate concentrations have been observed.

Building 830-Source ground water extraction and treatment facility performance data are presented in Figures 40 and 41. These figures show a fairly steady rate of VOC and nitrate mass removal at this facility. The VOC mass removal is expected to increase significantly once the B830-SRC expansion wellfield is in place. Perchlorate mass removal is more sporadic due to concentrations varying from below detection limits (no mass removal) to 9 μg/L.

4.5.3. B830-PRXN Treatment Facility Performance

The goals for treatment facility B830-PRXN are mass removal and downgradient plume migration control. The major restrictions on system performance are equipment failure, GAC and ion-exchange resin capacity, and available solar radiation.

As of December 2004, 1,419,056 gal of water have been extracted, 0.19 kg of VOC have been removed from the subsurface, and 90 kg of nitrate have been discharged to a subsurface trench. VOC concentrations in the one B830-PRXN extraction wells have decreased by about 30% since ground water extraction began in 2000. Nitrate is below MCL in ground water samples from this well and perchlorate is below detection limits.

Performance data for the Building 830-PRXN ground water extraction and treatment facility are presented in Figures 42 and 43. Figure 42 shows a steady rate of VOC mass removal despite large monthly fluctuations in ground water yield.

In 2006, a pipeline will be constructed to connect the B830-PRXN extraction well W-830-57 to the B830-SRC treatment facility. The B830-PRXN treatment unit will be placed on standby until another location is identified at Site 300 where the ground water treatment unit can be used. This change is being made because it is more cost-effective to pipe extracted ground water from well W-830-57 to the B830-SRC facility for treatment than to operate the B830-PRXN facility to treat water extracted from a single well.

4.5.4. B830-DISS Treatment Facility Performance

The goals for treatment facility B830-DISS are mass removal and downgradient plume migration control. The major restrictions on system performance are GAC and ion-exchange resin capacity and microbial respiration of nitrate by the bioreactor.

As of December 2004, 1,508,189 gal of water have been extracted and 0.55 kg of VOC, 0.0097 kg of perchlorate and 366.9 kg of nitrate have been removed from the subsurface. Performance data for the B830-DISS ground water extraction and treatment facility is presented in Figures 44 and 45. These figures show an increase in VOC and nitrate mass removal over the last three years. This is due in part to a slightly increasing trend in TCE and nitrate concentrations and to increased ground water yield. Mass removal during the first two years was limited due to low ground water yield and to the inability of the zero-valent iron filings to effectively remove VOCs. Perchlorate mass removal is episodic due to concentrations varying from below detection limits (no mass removal) to 5.4 μg/L.

The performance of the B830-DISS bioreactor to denitrify dissolved nitrate is temperature dependant. As presented in Figure 46, nitrate effluent concentrations increase during winter months when ambient air temperatures are at their seasonal low. This variation in bioreactor performance is due to the temperature dependence of microbial metabolic rates. In general, performance testing determined that the bioreactor failed to metabolize nitrate to levels below the discharge limit of 45 mg/L (as NO_3) when water temperature in the bioreactor fell below 20°C. Modifications to the bioreactor are planned to maintain optimal water temperatures throughout the year.

4.5.5. Expected Performance for the B832-SRC Expansion

The primary objective for this expansion is to increase the capture of the VOC and perchlorate plumes emanating from the Building 832 complex. The additional flow rate

provided by the four expansion wells (W-832-01, W-832-10, W-832-11, and W-832-TBD1) is expected to be between 0.2 and 1 gpm. The contaminated water will be treated at the existing B832-SRC facility. At these flow rates, the estimated additional VOC mass removal rate from this facility is between 1 and 4 g per month.

4.5.6. Expected Performance for the B830-SRC Expansion

The primary objectives for this expansion are to increase the capture of the VOC and perchlorate plumes and to increase the capacity of this facility. The additional flow rate provided by the seven expansion wells (W-830-49, W-830-57, W-830-60, W-830-TBD1, W-830-TBD2, W-830-TBD3, and W-830-TBD4) is expected to be between 4 and 5 gpm. The contaminated water will be treated at the existing B830-SRC facility. At these flow rates, the estimated additional VOC mass removal rate from this facility is approximately 800 g per month.

4.5.7. Expected Performance for the B830-DISS Treatment Facility Modification

The primary objective of this the B830-DISS treatment facility modification is to increase the capacity of the bioreactor to allow for increased passive ground water flow from the existing wellfield, thereby increasing hydraulic capture and VOC mass removal. The flow in wells W-830-51 and W-830-52 is expected to be increase to 3 to 4 gpm per well. With this increased flow, the estimated additional VOC mass removal rate for this facility is approximately 20 to 30 g per month.

4.6. Contingency Planning

The Site-Wide Compliance Monitoring Plan/Contingency Plan describes how DOE and the regulatory agencies plan to address foreseeable problems that may arise during the remediation and monitoring of contaminants conducted under the Interim ROD at the Building 832 Canyon OU. It also describes the approaches for modifying Site 300 remediation systems as remediation progresses and as additional information is collected.

The Site-Wide Compliance Monitoring Plan/Contingency Plan addresses routine and long-term contingencies and uncontrollable natural events (i.e., earthquakes) that could impact the effectiveness of the interim remedial actions at the Building 832 Canyon OU.

4.7. Performance Standards and Monitoring

Ground water treatment system performance standards are set by effluent discharge requirements contained in the Substantive Requirements for waste discharge issued by the RWQCB (Appendix E). To ensure these standards are met, periodic monitoring of influent and effluent concentrations is completed in accordance with the Site-Wide Compliance Monitoring Plan/Contingency Plan. Facility sample port locations for B832-SRC, B830-SRC, B830-PRXN, and B830-DISS are identified in the P&IDs (Figures 32 through 36). System performance will also be monitored and optimized, as needed, to maximize mass removal or prevent migration of contaminants. Performance standards for the B832-SRC and B830-SRC soil vapor treatment systems are specified in permits from the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD).

Plume-tracking and guard wells located downgradient of the Building 832 and 830 expanded wellfield will be used to monitor performance of these systems in meeting remedial action objectives. The performance of the extraction and treatment systems in the Building 832 Canyon OU will be evaluated and reported in the semi-annual Compliance Monitoring reports and a more comprehensive evaluation will be conducted as part of the five-year review process. Key wellfield expansion performance monitoring wells are discussed in the Section 4.2.2 ("Proposed Extraction Wellfield Expansion").

4.8. Controls and Safeguards

All Building 832 Canyon OU ground water extraction and treatment facilities are designed to be fail-safe. The failure of key components will cause the system to shut down safely. Following a shutdown, the treatment facility operator will identify and correct the problem that caused the shutdown before restarting the facility.

System shutdown, which involves the de-energizing extraction, injection, and transfer pumps, may be initiated by the following interlocks:

- Thermal overload on pump motors due to low flow rates.
- Low flow rate in the combined influent line.
- Loss of power to controls and instrumentation.
- High pressure at the particulate filter influent due to discharge line blockage.
- High water level in a transfer tank.

In addition to the interlock fail-safe system, all facility pipelines will be visually monitored weekly for leaks. A preventative maintenance schedule for the treatment systems is presented in Appendix C. An SVE and treatment system shutdown involves de-energizing the vacuum pump. An SVE and treatment system shutdown would be initiated by the loss of power to controls and instrumentation.

4.9. Discharge of Treated Ground Water

This section briefly describes the three discharge methods (infiltration trench, misting system, and surface discharge) currently being used in the Building 832 Canyon OU to discharge treated effluent. Treatment system effluent is discharged in accordance with Substantive Requirements issued by the RWQCB.

4.9.1. Infiltration Trench

At B830-PRXN, treated water is discharged directly into an engineered infiltration trench which introduces the treated water into the shallow alluvial aquifer without causing any accumulation of water at the ground surface. This trench was specifically designed for an anticipated maximum flow rate not to exceed 5 gpm. It is 20 ft long, 2 ft wide, and 3 ft deep. Treated ground water is conveyed to a PVC pipe at 2.5 ft below grade along the entire length of the trench perforated with 0.5 inch holes every 2 inches. The perforated pipe rests on 0.5 ft of gravel and is covered with 0.5 ft of gravel to approximately 2 ft below grade. Two sheets of geotextile are placed over the gravel to prevent infiltration of fine particulate matter which could reduce the permeability of the gravel within the trench. Two feet of compacted native soil were placed above the geotextile to grade.

4.9.2. Misting System

At B832-SRC and B830-SRC, treated water is collected in a holding tank prior to discharge using misting systems. When a predetermined volume has accumulated, the water is pumped via a high pressure pump through a pipeline to a misting tower. The towers consists of several misting heads about 10 to 12 ft above the ground and spaced so as to minimize the overlapping of the spray pattern. The number of heads is dependent on the flow requirement of the discharge system. The purpose of the misting tower is to distribute the treated water into the atmosphere in the form of a mist and subsequently over a large area of soil and vegetation. As discussed in Section 3.1.2.4, the impact of these misting operations is comparable to typical agricultural applications using nitrate fertilizers.

4.9.3. Surface Discharge

At B830-DISS, treated water is currently discharged directly to an existing drainage in the bottom of the canyon adjacent to the treatment facility. However, as required by the RWQCB, the discharge of treated water from the B830-DISS facility to the surface water drainage will be discontinued. Treated effluent from this facility will be injected into a new well (W-830-2216) to be drilled and completed in the $Tnbs_2$ HSU. The well will be located at the mouth of Building 832 Canyon near the B830-DISS discharge location. The injection well has been added to the drilling schedule and the drilling of this well is scheduled to begin in early January 2006. A pipeline will be constructed from the B830-DISS facility's effluent port to the injection well. Well drilling and pipeline construction are scheduled to be completed by April 30, 2006.

4.10. Discharge of Treated Vapor

Two facilities (B832-SRC and B830-SRC) are currently extracting, treating, and discharging soil gases. The discharge is through 12-foot high, 6-inch diameter stacks. Each vapor discharge location is monitored and regulated by the SJVUAPCD.

4.11. Construction, Startup, and Document Schedule

DOE/LLNL has completed the design, construction, and startup of the six treatment facilities planned for the Building 832 Canyon OU. B832-SRC SVE system began operating in September 1999 and the ground water extraction and treatment system began operating in October 1999. B830-PRXN and B830-DISS ground water extraction and treatment systems began operating in June and July 2000, respectively. B830-SRC SVE and ground water extraction and treatment systems began operating in February 2003. The expansion of the extraction wellfields for the B832-SRC and B830-SRC systems and the B830-DISS treatment system modifications will be completed in fiscal years 2005, 2006, and 2007, respectively. The schedule for the B830-DISS treatment system modifications and extraction wellfield expansions for the existing B832-SRC and B830-SRC facilities is shown in Table 12. The submittal dates for the Building 832 Canyon OU Five-Year Review document are also included in Table 12.

4.12. Cost Estimates

Cost estimates for design, construction, startup, and O&M of B832-SRC, B830-SRC, and B830-DISS treatment facility expansions are summarized in Tables 13, 14, and 15 respectively.

These cost estimates are based on experience of constructing and operating similar units and historical budgets in the Building 832 OU.

4.12.1. B832-SRC Expansion

The B832-SRC facility currently extracts, treats and discharges ground water and soil vapor from the release site area in the Building 832 Complex. The B832-SRC wellfield expansion is designed to extract and treat ground water contaminants in the downgradient plume originating from the Building 832 area to prevent further plume migration (Figures 29 and 30). Four extraction wells are planned for this expansion. As presented in Table 5, the estimated maximum flow rate from the planned extraction wells is less than 2 gpm. The scope of work required to complete this facility and that was used to prepare cost estimates includes design time, modification of wellheads, pump installations, and construction of the pipeline. Equipment and materials needed include pumps, pipe, pipe supports, and miscellaneous plumbing fittings.

Cost estimates detailed in Table 13 are approximately $25,374 for design, $90,799 for construction, and $7,553 for system startup. Annual O&M costs for the expanded B832-SRC system are estimated at $229,100, which includes system operation, maintenance, compliance sampling and analysis, data management, reporting, and management. It is anticipated that the existing O&M costs associated with the existing B832-Source treatment facility would not be significantly affected.

4.12.2. B830-SRC Expansion

The B830-SRC facility currently extracts, treats, and discharges ground water and soil vapor from the release site area at Building 830. The B830-SRC wellfield expansion is designed to extract treat ground water contaminants in the downgradient plume originating from the Building 830 area to prevent further plume migration (Figures 29 and 30).

The scope of work required to complete this wellfield expansion that was used to prepare cost estimates includes design time, modification of wellheads, pump installations, and construction of the pipeline. Equipment and materials needed include pumps, pipe, pipe supports, and miscellaneous plumbing fittings.

Cost estimates detailed in Table 14 are approximately $57,113 for design labor, $225,915 for construction including the installation of additional extraction wells, and $12,851 for system startup. Annual O&M costs for the expanded B830-SRC system are estimated at $201,400, which includes system operation, maintenance, compliance sampling and analysis, data management, reporting, and management. It is anticipated that the existing O&M costs associated with the existing B830-SRC treatment facility would not be significantly affected.

4.12.3. B830-DISS Modifications

The B830-DISS facility currently extracts, treats, and discharges ground water contaminants in the downgradient plume originating from the Building 830 area to prevent further plume migration.

The scope of work required to complete the modifications to the B830-DISS bioreactor that was used to prepare cost estimates includes design time; modification of the piping, tanks, heaters, and electrical controls; and installation of a retaining wall.

Cost estimates detailed in Table 15 are approximately $40,149 for design labor, $69,790 for system modification construction, and $11,483 for system startup. Annual O&M costs for the modified B830-DISS system are estimated at $147,900, which includes system operation, maintenance, compliance sampling and analysis, data management, reporting, and management.

5. Remedial Action Work Plan

The Remedial Action Work Plan for the Building 832 Canyon OU treatment facilities includes design and implementation of extraction and treatment systems as described in Section 4, and QA/QC Plans and Health and Safety Plans for construction and O&M that are attached in Appendices A, B, C, and D. The Remedial Action Work Plan also includes the Substantive Requirements for treatment facility effluent discharge (Appendix E). Monitoring and reporting requirements for the ground water treatment systems and monitor wells are included in the Site-Wide Compliance Monitoring Plan/Contingency Plan. In addition, requirements for onsite storage and offsite shipment of hazardous waste, preliminary remediation completion criteria, and procedures for facility and well closure are discussed in this section.

5.1. Quality Assurance/Quality Control and Health and Safety Plans

The QA/QC and the Health and Safety Plans for construction are presented as Appendices A and B of this document. The QA/QC Plan for construction defines the quality objectives and areas of responsibility for the construction of additional extraction and treatment facilities in the Building 832 Canyon OU. The Health and Safety Plan for treatment system construction defines areas of responsibility for health and safety during construction activities and references existing LLNL Health and Safety documents which address construction health and safety issues.

The QA/QC Plan for O&M of the Building 832 Canyon OU treatment facilities is presented in Appendix C. This plan describes the organizational structure, responsibilities, and authority for O&M QA/QC and the objectives, quality goals, and QA elements for O&M of the Building 832 Canyon OU treatment facilities. Appendix D contains the Health and Safety Plan for O&M of the Building 832 Canyon OU treatment facilities. This plan presents: (1) organizational structure and responsibilities, (2) hazard analyses and control measures, (3) training requirements for the Building 832 Canyon OU treatment facilities O&M, and (4) emergency safety procedures.

5.2. Monitoring and Reporting Programs

Monitoring and reporting requirements for the ground water treatment systems and monitor wells are described in the Site-Wide Compliance Monitoring Plan/Contingency Plan. The results of the monitoring described in Sections 5.2.1, 5.2.2, and 5.2.3 will be reported semiannually in the Site-Wide Compliance Monitoring Reports.

5.2.1. Ground Water Treatment System Influent and Effluent

The Site 300 Extraction and Treatment Facility Monitoring Program described in the Site-Wide Compliance Monitoring Plan/Contingency Plan includes regular sampling, flow measurements, maintenance of ground water and SVE wells and treatment facilities, and

reporting requirements. Discharge specifications, prohibitions, and effluent discharge limitations for treated ground water are contained in the Substantive Requirements for the Building 832 Canyon OU and Building 854 OU Treatability Studies (Appendix E). Quarterly treatment facility influent and monthly effluent monitoring will be conducted and the results used to evaluate facility performance and to verify that discharge requirements are met. The treatment facility influent and effluent samples will be analyzed for VOCs, nitrate, and perchlorate.

5.2.2. Ground Water Extraction and Monitor Wells

Ground water concentrations will be determined by analyzing samples collected from extraction and monitor wells to evaluate changes in plume concentration and extent that result from remediation and natural processes such as dispersion, adsorption, advection, and biodegradation. Chemical analyses will be performed according to EPA Methods or analytical methods contained in the ERD Standard Operating Procedures (Goodrich and Depue, 2003). Results will be evaluated according to QA/QC procedures contained in the Quality Assurance Project Plan (QAPP) (Dibley, 1999). Measured ground water concentrations will be used to prepare contaminant isoconcentration contour maps to assess the cleanup progress. Semiannual monitoring for primary COCs (VOCs) and annual monitoring for secondary COCs (nitrate and perchlorate) will be conducted in Building 832 Canyon OU ground water extraction and monitor wells in accordance with the Site-Wide Compliance Monitoring Plan/Contingency Plan.

5.2.3. Soil Vapor Treatment System Influent and Effluent

VOC concentrations in the soil vapor treatment system effluent will be measured weekly to evaluate compliance with the SJVUAPCD Permit to Operate. Although not required by the permit, VOC concentrations in soil vapor will be measured periodically before, during, and after treatment to evaluate performance of the vadose zone remediation system. Based on treatability study data and experience at other sites, contaminant concentrations in soil vapor are anticipated to change over time intervals of weeks under stressed conditions (i.e., during SVE), or months to years under natural conditions.

5.3. Hazardous Waste Handling

Aqueous-phase GAC and the ion-exchange resin in the Building 832 Canyon OU treatment facilities will be replaced as needed to remain in compliance with the RWQCB Substantive Requirements discharge limits. Vapor-phase GAC from the soil vapor extraction and treatment systems will be replaced as needed to remain in compliance with SJVUAPCD air discharge limits. The spent aqueous-phase and vapor-phase GAC containing sorbed VOCs will be shipped offsite for regeneration or disposal, and will be managed as hazardous waste, if appropriate. The spent ion-exchange resin with perchlorate will be shipped offsite for disposal and will be managed as hazardous waste, if appropriate.

Shipment and disposal are in accordance with Department of Transportation (DOT) 49 CFR and EPA 40 CFR. Additionally, waste shipments are made according to California Code of Regulations (CCR), Title 22 requirements. The spent GAC and resin from the facilities will be packaged and labeled for shipment by the LLNL Radioactive and Hazardous Waste Management Division (RHWMD). Once packaged, the GAC and/or resin will be shipped to a RCRA-permitted facility for regeneration or disposal. DOE/LLNL will comply with the Offsite Rule (40 CFR 300.440) for the offsite shipment of CERCLA waste.

5.4. Performance Assessment

As described in the Site-Wide Compliance Monitoring Plan/Contingency Plan, the Discharger shall measure water levels to an accuracy of 0.01 ft mean sea level (MSL) in extraction and monitor wells. This information shall be used to monitor for changes in the magnitude and direction of ground water flow and as input to ground water models to determine plume capture efficiency. Upon periodic review of the capture zone analysis, it may be determined that due to an invalid design assumption or a change in hydrogeologic conditions that the plume is not being captured as intended. Increased monitoring and characterization followed by extraction flow adjustments would be performed to optimize the system. If necessary, the need to install additional extraction wells to maximize plume capture would be discussed with the regulatory agencies.

The volume of contaminant mass removed by the ground water extraction systems shall be calculated and reported in the semi-annual monitoring reports. Additionally, each extraction well will be assessed for its mass removal, source control, and plume capture ability. Trends in influent contaminant concentration and mass removal will be analyzed and used to optimize system operations to achieve cleanup standards.

5.5. Requirements for Closure

This section specifies requirements for determining when ground water and vadose zone (soil vapor) cleanup has been completed and site closure activities, including post-closure monitoring, can begin.

5.5.1. Ground Water Cleanup

Building 832 Canyon OU ground water cleanup will be complete when ground water samples demonstrate that cleanup standards, which will be selected and codified in the Final Site-Wide ROD, are achieved. This will be achieved when contaminant concentrations in samples collected from all monitor wells within the OU are below the cleanup standards. When contaminant concentrations in ground water have been reduced to the cleanup standards, the ground water extraction and treatment systems will be shut off and placed on standby with agreement from the regulatory agencies. Contaminant concentrations may rise in ground water after extraction ceases due to slow desorption from fine-grained sediments. Therefore, ground water post-closure monitoring will be performed for two years after pumping ceases. Should contaminant concentrations in ground water rebound above cleanup standards, reinitiation of remediation efforts will be discussed with the regulatory agencies.

Cleanup will be considered complete when contaminant concentrations in ground water remain below the cleanup standards for two years. After concurrence with the regulatory agencies that cleanup is complete, the Building 832 Canyon OU extraction wells and monitor wells will be decommissioned. Wells will be closed by *in situ* casing perforation and pressure grouting, or by well removal as appropriate, consistent with the approved LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures (SOPs) (Goodrich and Depue, 2003). Wellhead abandonment will include removal of any protective covers, instruments, and concrete pads. The upper 2 to 3 ft will be filled with low-permeability soil to restore grade.

After remediation is complete, the Building 832 Canyon OU ground water treatment systems and their influent and discharge piping will be decontaminated, dismantled, salvaged, or used at other locations. Any wash water containing hazardous materials will be collected, sampled, and disposed at one of several offsite RCRA-permitted facilities. GAC with sorbed VOCs and spent ion-exchange resin will be disposed according to the specifications described in Section 5.3 (Hazardous Waste Handling).

5.5.2. Soil Vapor Cleanup

The B832-SRC and B830-SRC SVE systems will operate until it is demonstrated that: (1) unacceptable VOC inhalation risk to onsite workers has been mitigated, and (2) VOC removal from the vadose zone is no longer technically or economically feasible in meeting the aquifer cleanup standards sooner, more cost effectively, and more reliably. The decision on whether it is appropriate to shut off the soil vapor extraction system will be made based on the results of the "Soil Vapor Extraction System Shut-Off Evaluation" discussed in Appendix F in concurrence with the regulatory agencies. The evaluation presented in Appendix F was, by design, intended to be applicable to all OUs where soil vapor extraction will be conducted. In addition, site-specific considerations will need to be evaluated.

When the decision is made by DOE and concurred by the regulatory agencies that the soil vapor extraction system will be shut down based on the results of the Soil Vapor Extraction System Shut-Off Evaluation, the monitoring of ground water and soil vapor will continue. Should site conditions change or monitoring indicate that soil vapor concentrations have rebounded and will cause the ground water to exceed ground water cleanup standards, reinitiation of remediation efforts will be discussed with the regulatory agencies.

Cleanup will be considered complete when: (1) unacceptable VOC inhalation risk to onsite workers has been mitigated, and (2) contaminant concentrations in ground water remain below the cleanup standards for two years. Cleanup completion will be determined in conjunction with the regulatory agencies. The regulatory agencies will have concurred with the decision to shut off the soil vapor extraction system, based on the soil vapor extraction system shut-off evaluation described in Appendix F, before cleanup is considered complete.

After remediation is complete, the Building 832 Canyon OU SVE treatment systems and their influent and discharge piping will be decontaminated, dismantled, salvaged, or used at other locations. Any wash water containing hazardous materials will be collected, sampled, and disposed at one of several offsite RCRA-permitted facilities. GAC with sorbed VOCs and spent ion-exchange resin will be disposed according to the specifications described in Section 5.3 (Hazardous Waste Handling).

6. References for LLNL Facilities Standards, Specifications, and Guide Documents

6.1. General

Designs, construction drawings, and specifications will conform to and comply with the applicable requirements of the latest adopted edition of the references listed herein, which will be considered minimum requirements.

6.2. Regulations

U.S. Department of Energy (DOE)

DOE 420.1	**Facility Safety**

Code of Federal Regulations (CFR)

10 CFR 435	**Energy Conservation Voluntary Performance Standards for New Buildings: Mandatory for Federal Buildings**
29 CFR 1910	**Occupational Safety and Health Standards (OSHA)**
29 CFR 1910.7	**Definitions and Requirements for a Nationally Recognized Testing Laboratory (NRTL)**
47 CFR 15	**Telecommunication (FCC Rules, Part 15)**

State of California Department of Labor (DOL)

DOL Labor Code	**Division 5—Safety in Employment**
	Chapter 9—Miscellaneous Labor Provisions

California Code of Regulations (CCR)

CCR Title 8	**Industrial Relations; Chapter 4, Subchapter 6**
CCR Title 20	**Public Utilities; Chapter 53—Energy Conservation in New Building Construction**

University of California, Lawrence Livermore National Laboratory (LLNL)

UCRL 15910	**Design and Evaluation Guidelines for Department of Energy Facilities Subjected to Natural Phenomena Hazards**
UCRL 15714	**Suspended Ceiling System Survey and Seismic Bracing Recommendations**

6.3. Codes

American Concrete Institute (ACI)

ACI 318	**Building Code Requirements for Reinforced Concrete**

American Institute of Steel Construction (AISC)

AISC	**Steel Construction Manual (Allowable Stress Design)**

American National Standards Institute (ANSI)

ANSI A58.1	**Building Code Requirements for Minimum Design Loads for Buildings and Other Structures**

American Welding Society (AWS)

AWS D 1.1	**Welding Code—Steel**

International Conference of Building Officials (ICBO)

ICBO UBC **Uniform Building Code**

ICBO UMC **Uniform Mechanical Code**

ICBO UPC **Uniform Plumbing Code**

National Fire Protection Association (NFPA)

NFPA 70 **National Electrical Code**

NFPA 90A **Installation of Air Conditioning and Ventilating Conditioning Systems**

6.4. Standards

American Concrete Institute (ACI)

ACI 347 **Recommended Practice for Concrete Form Work**

American Society for Testing and Materials

American Water Works Association

Construction Specifications Institute

National Electric Manufacturers Association

Sheet Metal and Air Conditioning Contractors National Association, Inc.

6.5. LLNL Manuals and Reports

M-010 **LLNL Health and Safety Manual**

LLNL Site Development and Facilities Utilization Plan

LLNL Landscape Master Plan and Design Guidelines

7. References

Beller, H.R., V.M. Madrid, G.B., Hudson, W. McNab, and T. Carlsen (2004), "Biogeochemistry and natural attenuation of nitrate in ground water at an explosives test facility," *Applied Geochemistry*, **19**, 1483–1494.

Carpenter, D.W., R. Stone, R.C. Ragaini, W.A. McConachie, N.B. Crow, and R. Elwood (1983), *Assessment of the Extent of Trichloroethylene Contamination of Soil and Water at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCID-19945).

Dibley, V. (1999), *Quality Assurance Project Plan LLNL Ground Water Project, Lawrence Livermore National Laboratory*, Livermore, Calif. (UCRL-AR-103160 Rev. 2).

Dibley, V. (2004), *2004 Annual Compliance Monitoring Report Lawrence Livermore National Laboratory Site 300*Livermore, Calif. (UCRL-AR-206319-04).

Ferry, L., R. Ferry, W. Isherwood, R. Woodward, T. Carlsen, Z. Demir, R. Qadir, and M. Dresen (1999), *Final Site-Wide Feasibility Study for Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-132609).

Ferry, R., M. Dresen, L. Ferry, W. Isherwood, and J. Ziagos (2001), *Site-Wide Remedial Design Work Plan for Interim Remedies at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-143563).

Ferry, R., L. Ferry, M. Dresen, T. Carlsen (2002), *Compliance Monitoring Plan/Contingency Plan for Interim Remedies at Lawrence Livermore National Laboratory Site 300,* Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-147570).

Goodrich, R., and R. Depue (2003), *LLNL Livermore Site and Site 300 Environmental Operating Procedures (SOPs)*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-MA-109115 Rev. 11).

Isherwood, W.F., C.H. Hall, and M.D. Dresen, Eds. (1990; Errata 1991), *CERCLA Feasibility Study for the LLNL Livermore Site*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-104040).

LLNL (1996), *Building 832 Canyon Study Area Fact Sheet,* Lawrence Livermore National Laboratory, Livermore, Calif.

Rumbaugh, J.O. (1991), *Quick Flow-Analytical 2D Ground-Water Flow Model, Version 1.0* (Geraghty and Miller, Inc., Virginia).

Rumbaugh, J., and D. Rumbaugh (1996), *WinFlow - Two-Dimensional Groundwater Flow Model* (Environmental Simulations Inc., Herndon, Virginia).

Sutherson, S.S. (1999), "Hydraulic and Pneumatic Fracturing," in *Remediation Engineering: design concepts,* S.S. Sutherson, Ed. (CRC Press, LLC), Boca Raton, FL.

U.S. DOE (2001), *Interim Site-Wide Record of Decision for Lawrence Livermore National Laboratory, Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-138470).

U.S. Department of Agriculture (2002), Agricultural Statistics (USDA, Washington, DC).

U.S. EPA (1989), *Interim Final Guidance on Preparing Superfund Decision Documents: The Proposed Plan, The Record of Decision, Explanation of Significant Difference, and The Record of Decision Amendment*, Office of Solid Waste and Emergency Response (OSWER), Directive 9335.3-02.

U.S. EPA (1990), *Guidance on EPA Oversight of Remedial Designs and Remedial Actions Performed by Potentially Responsible Parties, Interim Final*, U.S. Environmental Protection Agency, Washington, D.C. (EPA/540/G-90/001).

Webster-Scholten, C.P., Ed. (1994), *Final Site-Wide Remedial Investigation Report, Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-108131).

Ziagos, J., and P. Ko (1997), *Building 832 Canyon Operable Unit Characterization Summary Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif.

8. Acronyms and Abbreviations

bgs	Below ground surface
B832-SRC	Building 832-Source
B830-SRC	Building 830-Source
B830-PRXN	Building 830-Proximal North
B830-DISS	Building 830-Distal South
°C	Degrees Celsius
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
cfd	Cubic feet per day
COC	Contaminant of concern
D&D	Decontamination and Demolition
DCE	Dichloroethylene
DOE	Department of Energy
DTSC	Department of Toxic Substances Control
EPA	Environmental Protection Agency
ft^2	Square feet
ft^3	Cubic feet
GAC	Granular activated carbon
gal/day	Gallons per day
gpm	Gallons per minute
GSA	General Services Area
HE	High explosives
HMX	High Melting Explosive

HSU	Hydrostratigraphic unit
kg	Kilogram
lb	Pound
LLNL	Lawrence Livermore National Laboratory
lpm	Liters per minute
MCL	Maximum contaminant level
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
O&M	Operation and maintenance
OU	Operable unit
OVA	Organic vapor analyzer
P&ID	Piping and instrumentation diagram
$ppm_{v/v}$	Parts per million on a volume per volume basis
psi	Parts per square inch
PVC	Polyvinyl chloride
Qal/WBR	Quaternary alluvium/weathered bedrock
QA/QC	Quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
RD	Remedial design
RDWP	Remedial Design Work Plan
RDX	Research Department Explosive
ROD	Record of Decision
RWQCB	Regional Water Quality Control Board
SARA	Superfund Amendments and Reauthorization Act of 1986
scfm	Standard cubic feet per minute
SJVUAPCD	San Joaquin Valley Unified Air Pollution Control District
SVE	Soil vapor extraction
SWFS	Site Wide Feasibility Study
SWRI	Site Wide Remedial Investigation
TCE	Trichloroethylene
$Tnbs_1$	Tertiary Neroly Lower Blue Sandstone
$Tnsc_{1b}$	Tertiary Neroly Lower Siltstone/Claystone
VOCs	Volatile organic compounds
WEPP	Water Erosion Prediction Project
μg/L	Micrograms per liter

Figures

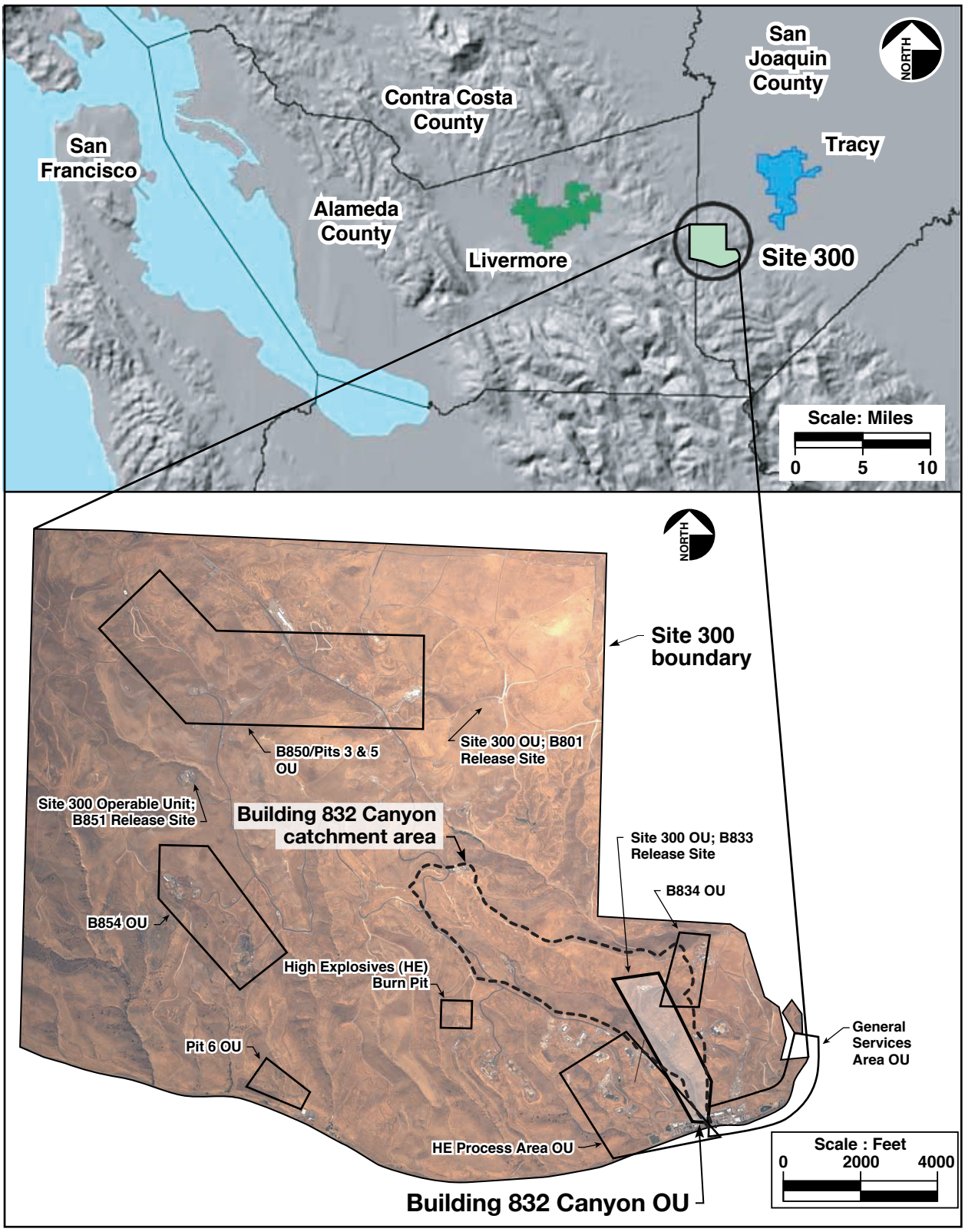

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Figure 1. Location of LLNL Site 300, and the Building 832 Canyon OU.

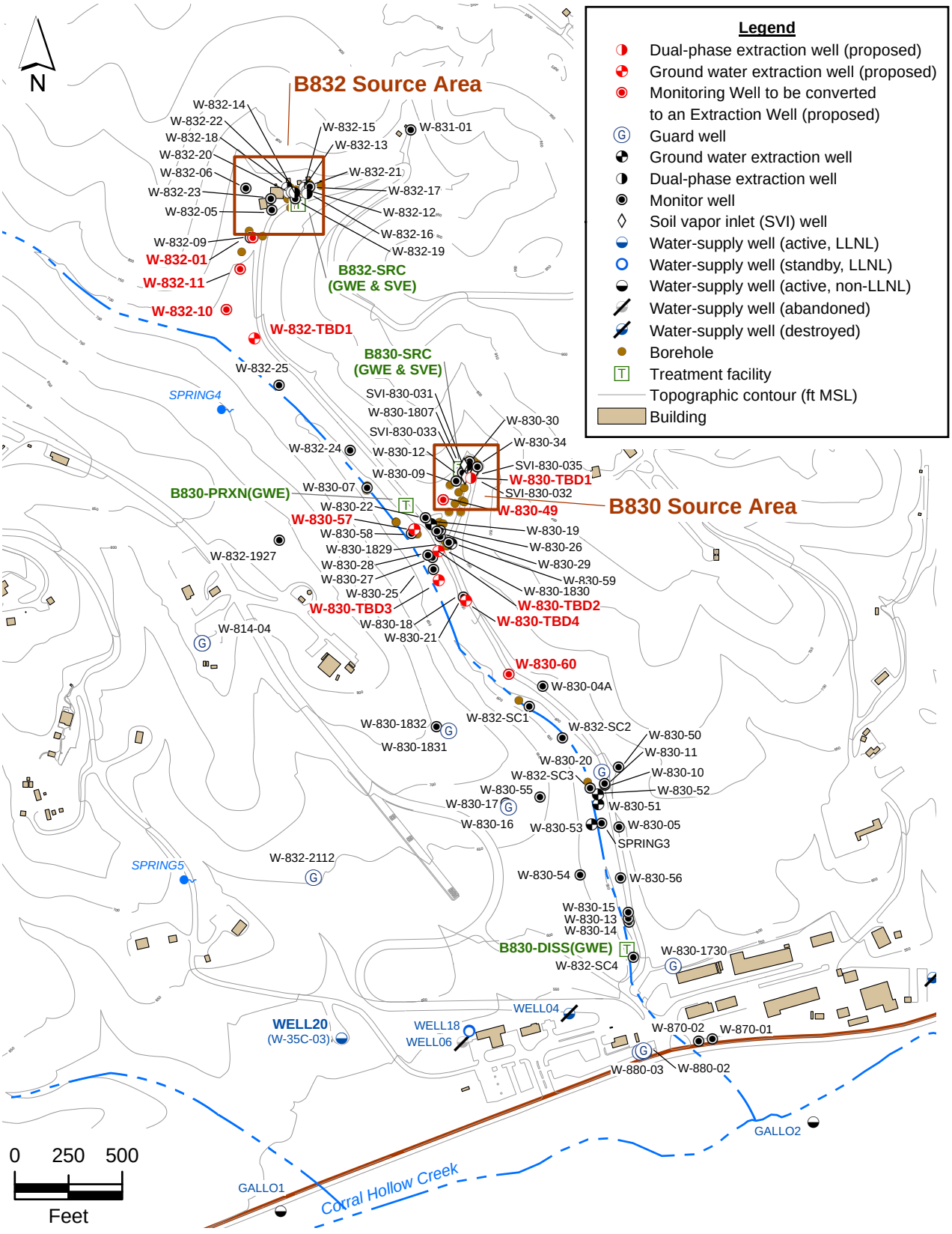

Figure 2. Building 832 Canyon OU map showing wells, infrastructure and remediation facilities.

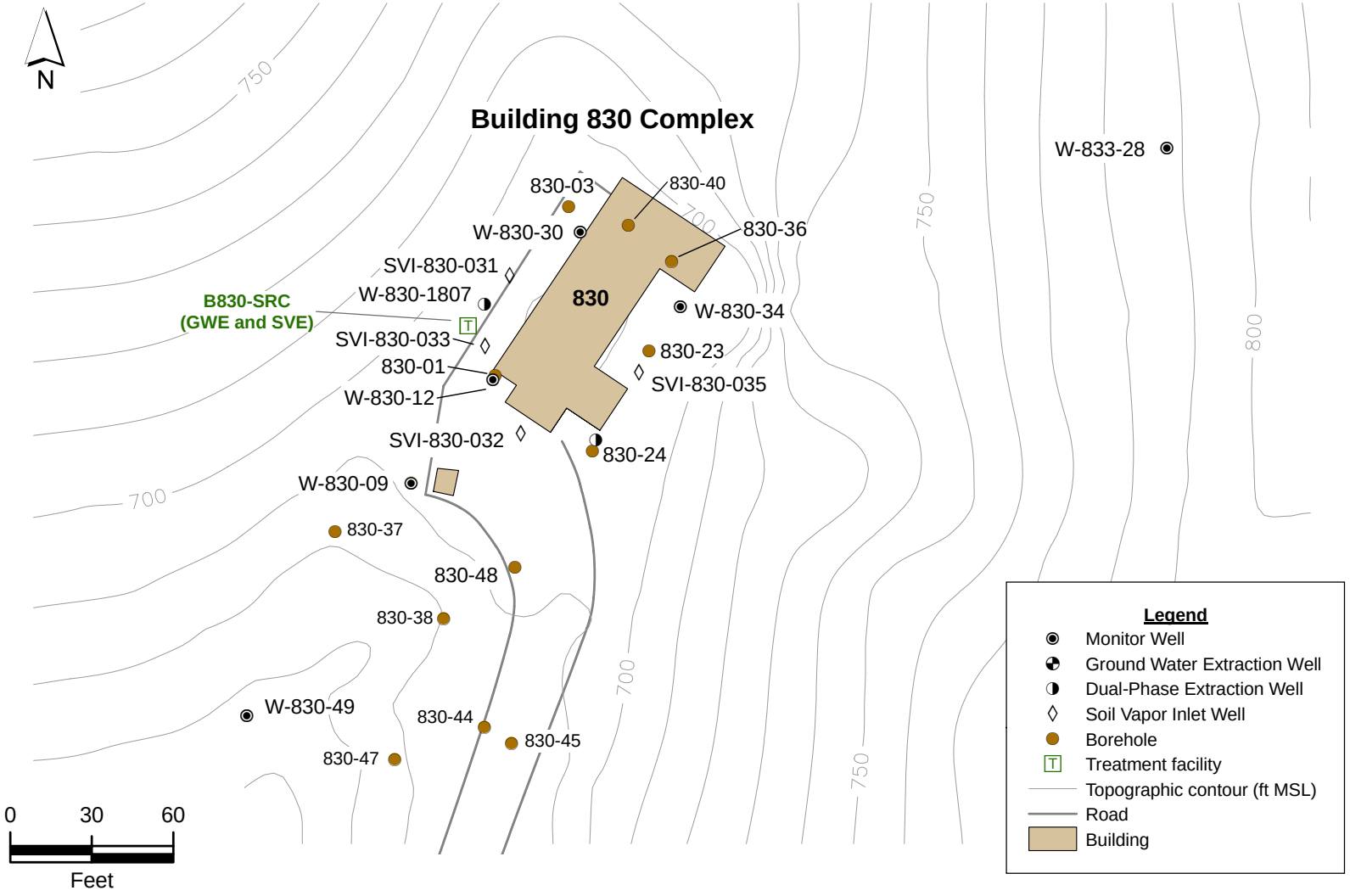

Figure 3. Building 830 Source Area map showing wells, infrastructure, and remediation facilities.

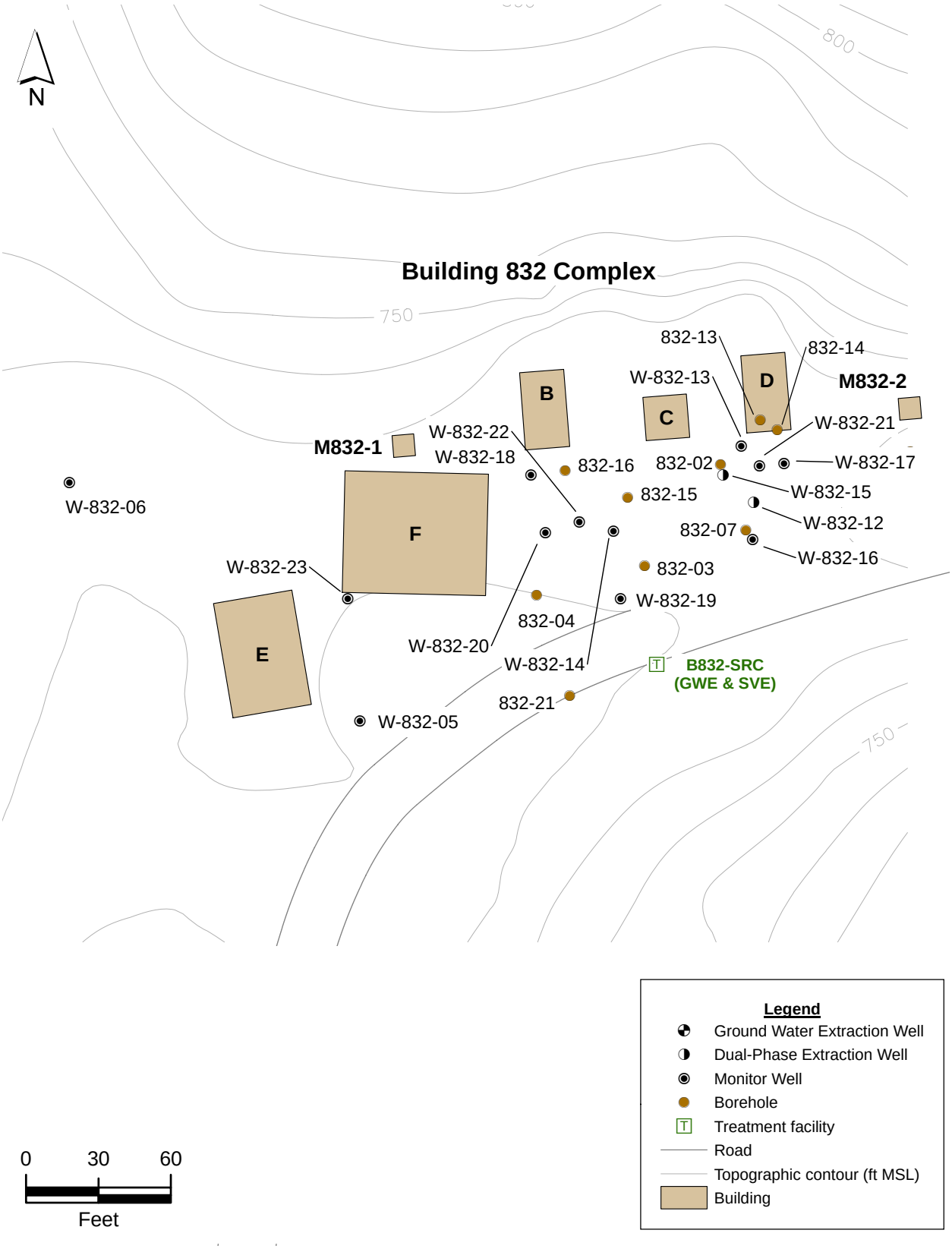

Figure 4. Building 832 Source Area map showing wells, infrastructure, and remediation facilities.

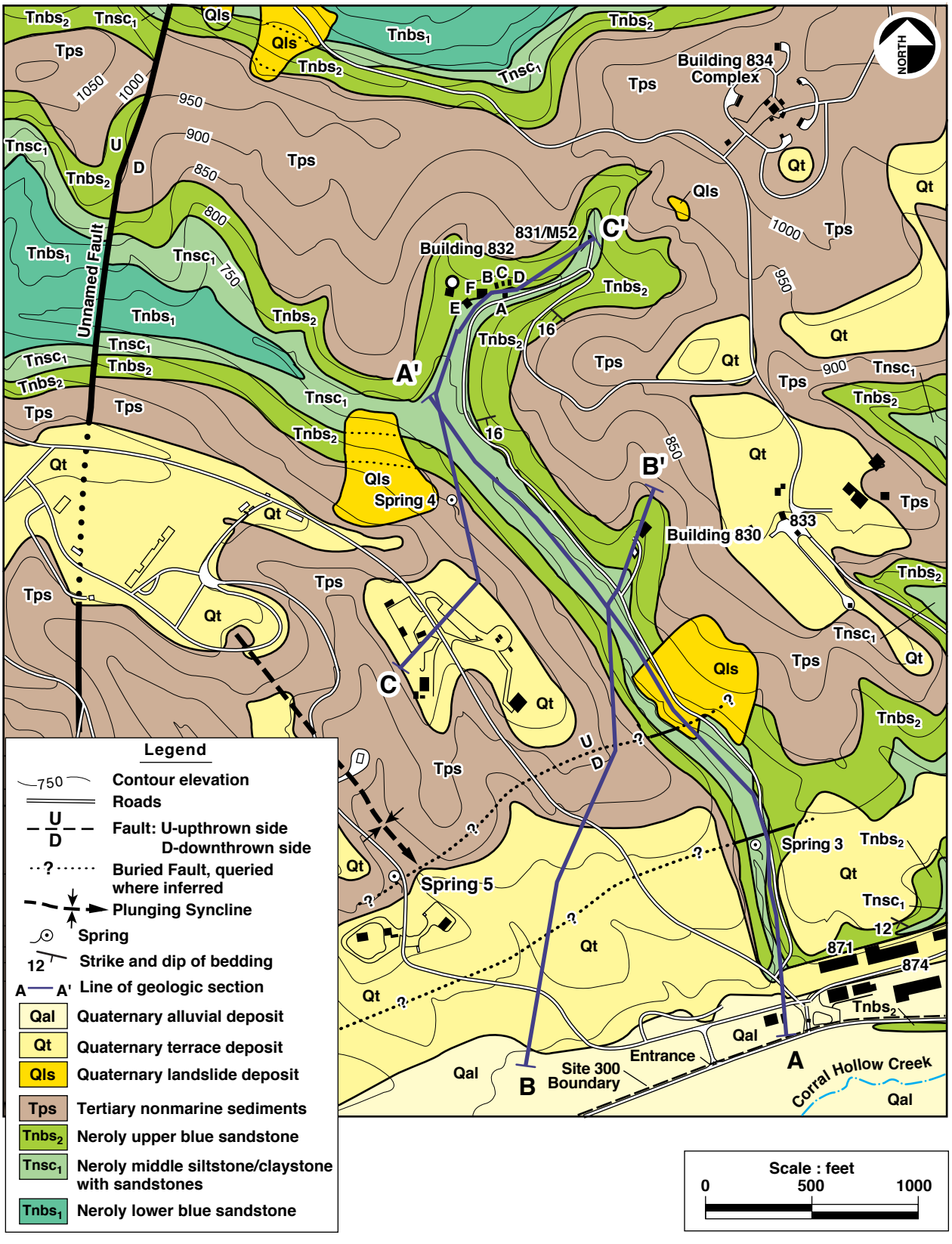

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Figure 5. Geologic map of Building 832 Canyon OU and vicinity, Site 300.

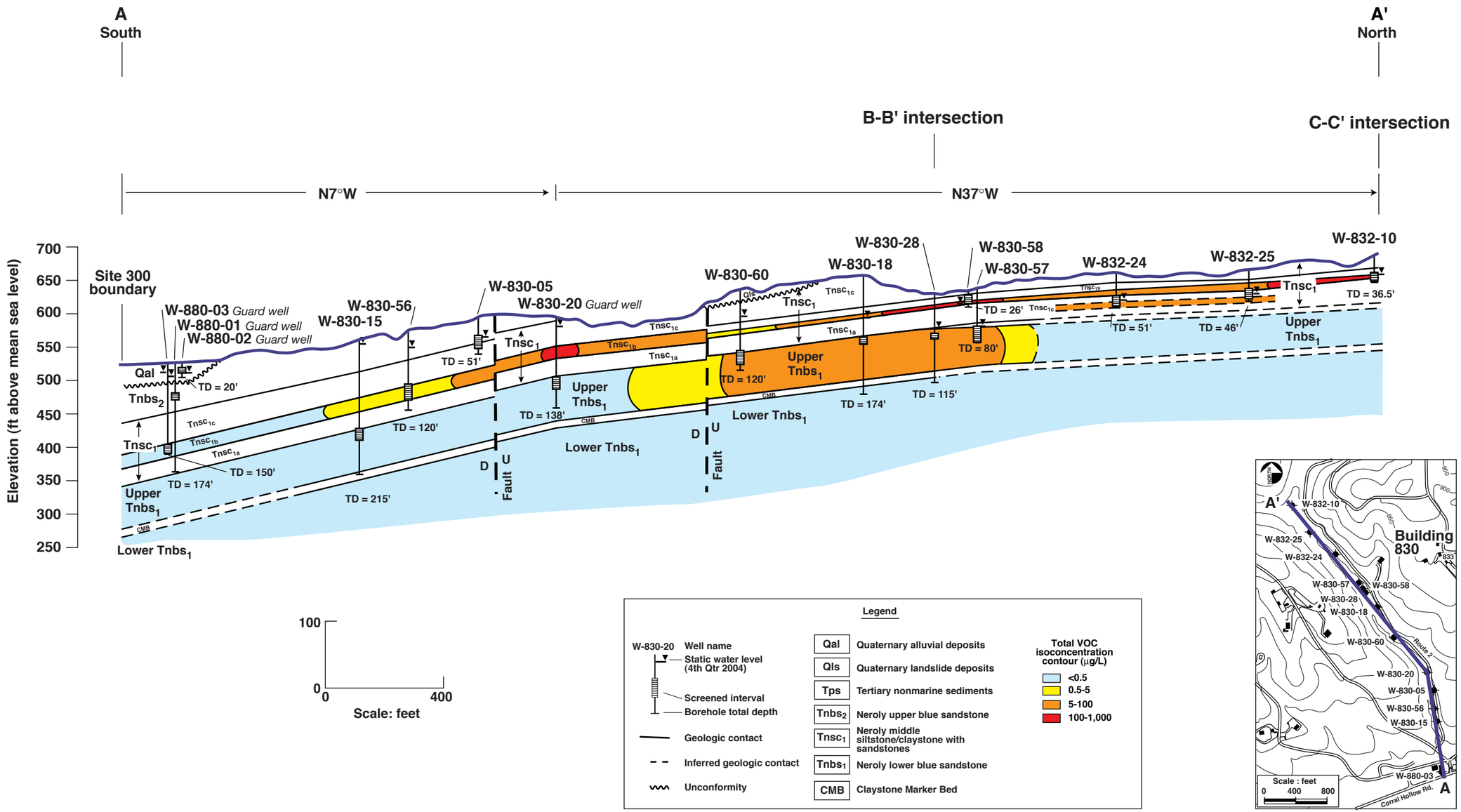

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Figure 6. Hydrogeologic cross section A-A', showing total VOC contamination from Building 832 Canyon OU sources.

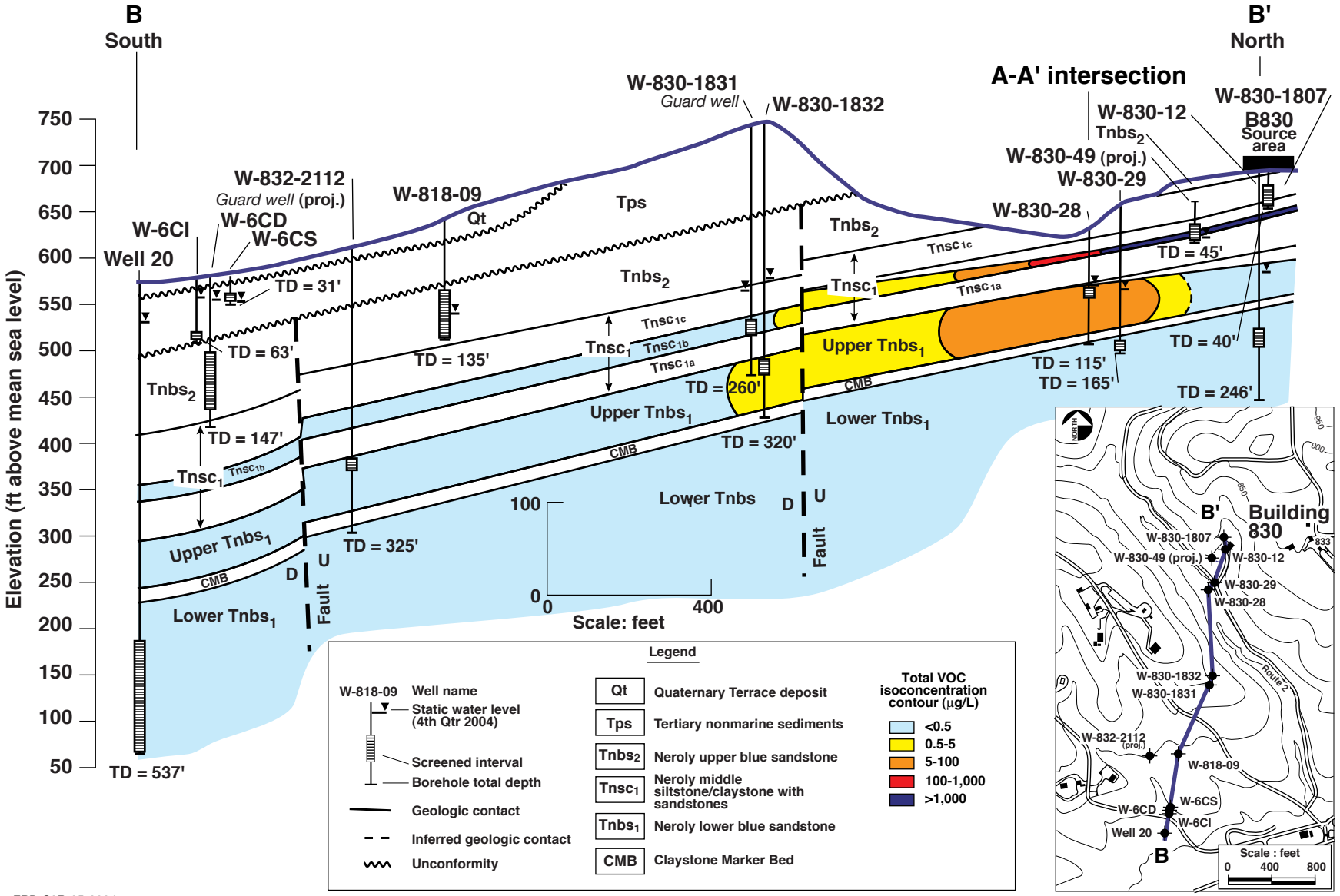


Figure 7. Hydrogeologic cross section B-B', showing total VOC contamination from Building 832 Canyon OU sources.

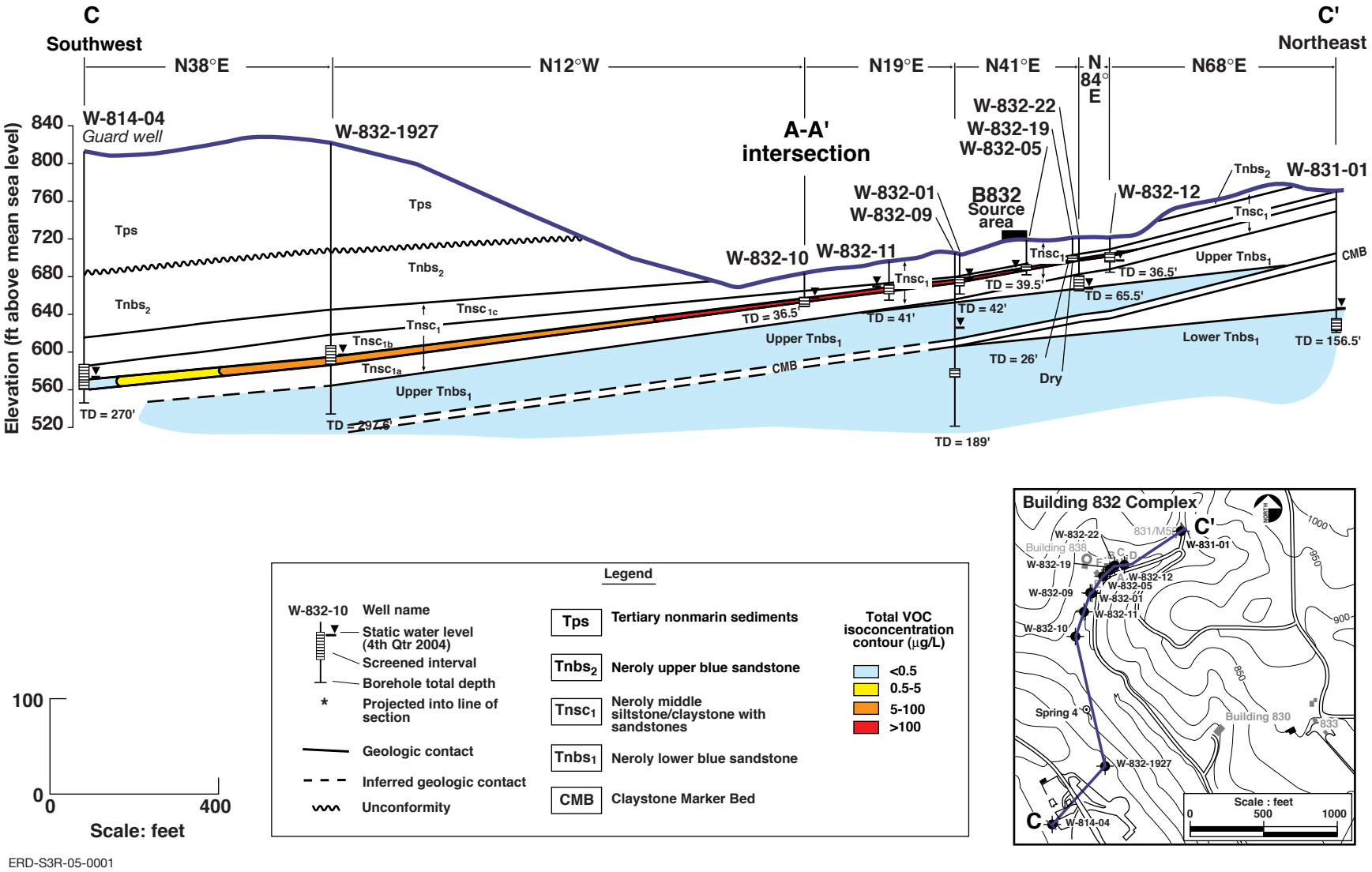


Figure 8. Hydrogeologic cross section C-C', showing total VOC contamination from Building 832 Canyon OU sources.

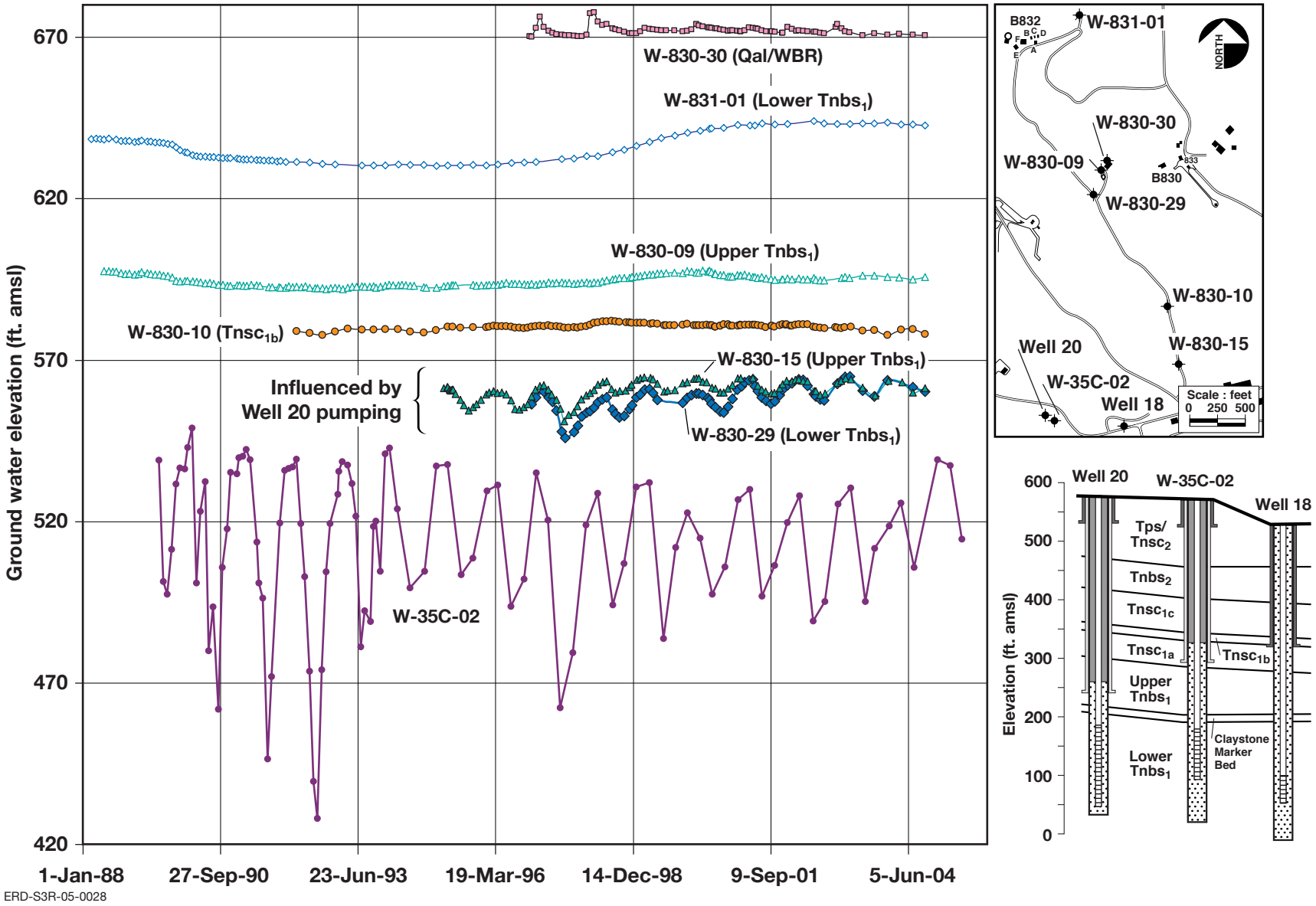


Figure 9. Characteristic hydrographs for the Building 832 Canyon OU hydrostratigraphic units.

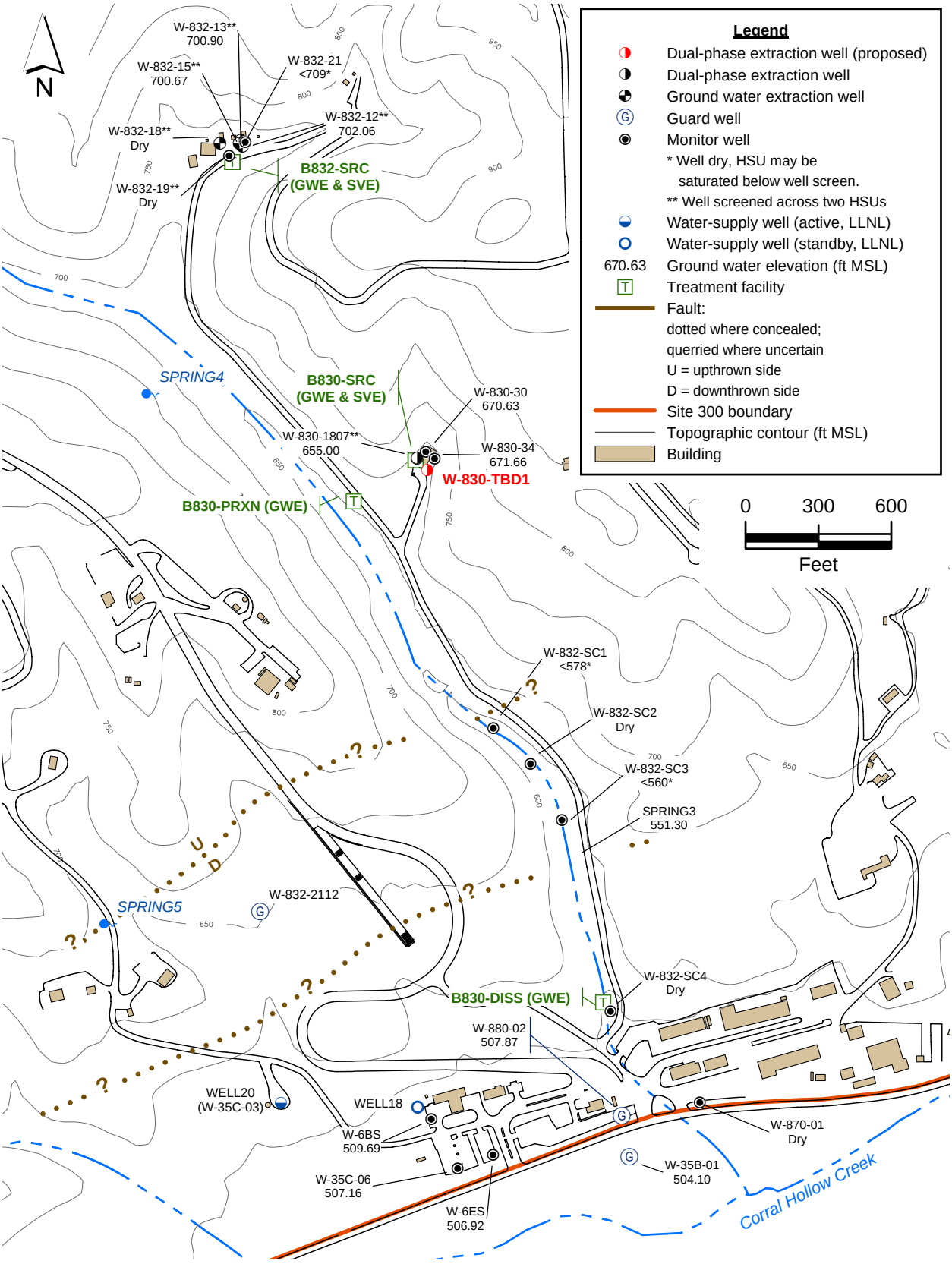


Figure 10. Second Semester 2004 ground water elevations for the Qal/weathered bedrock hydrostratigraphic unit.

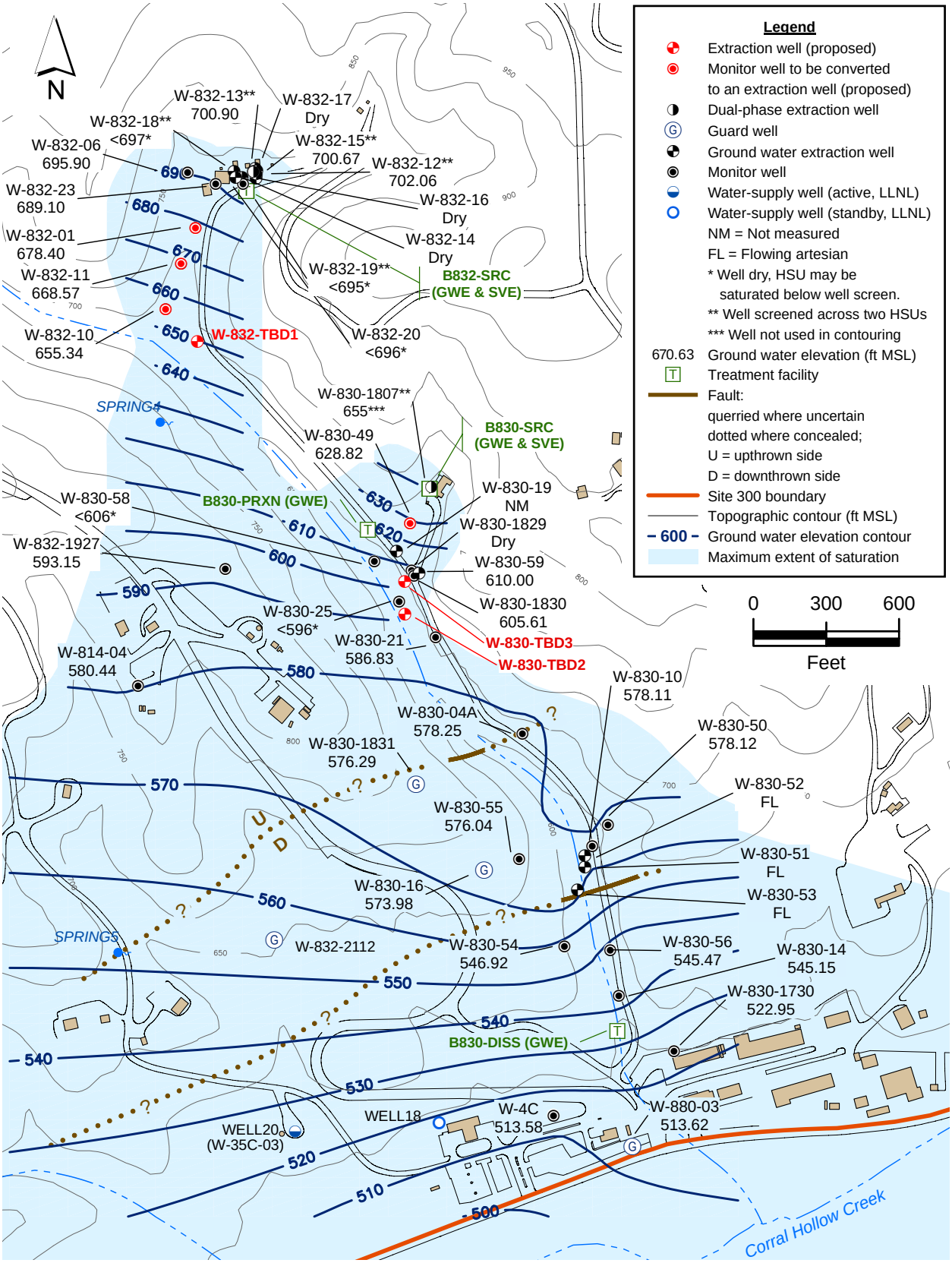


Figure 11. Second Semester 2004 ground water potentiometric surface map for the $Tnsc_{1b}$ hydrostratigraphic unit.

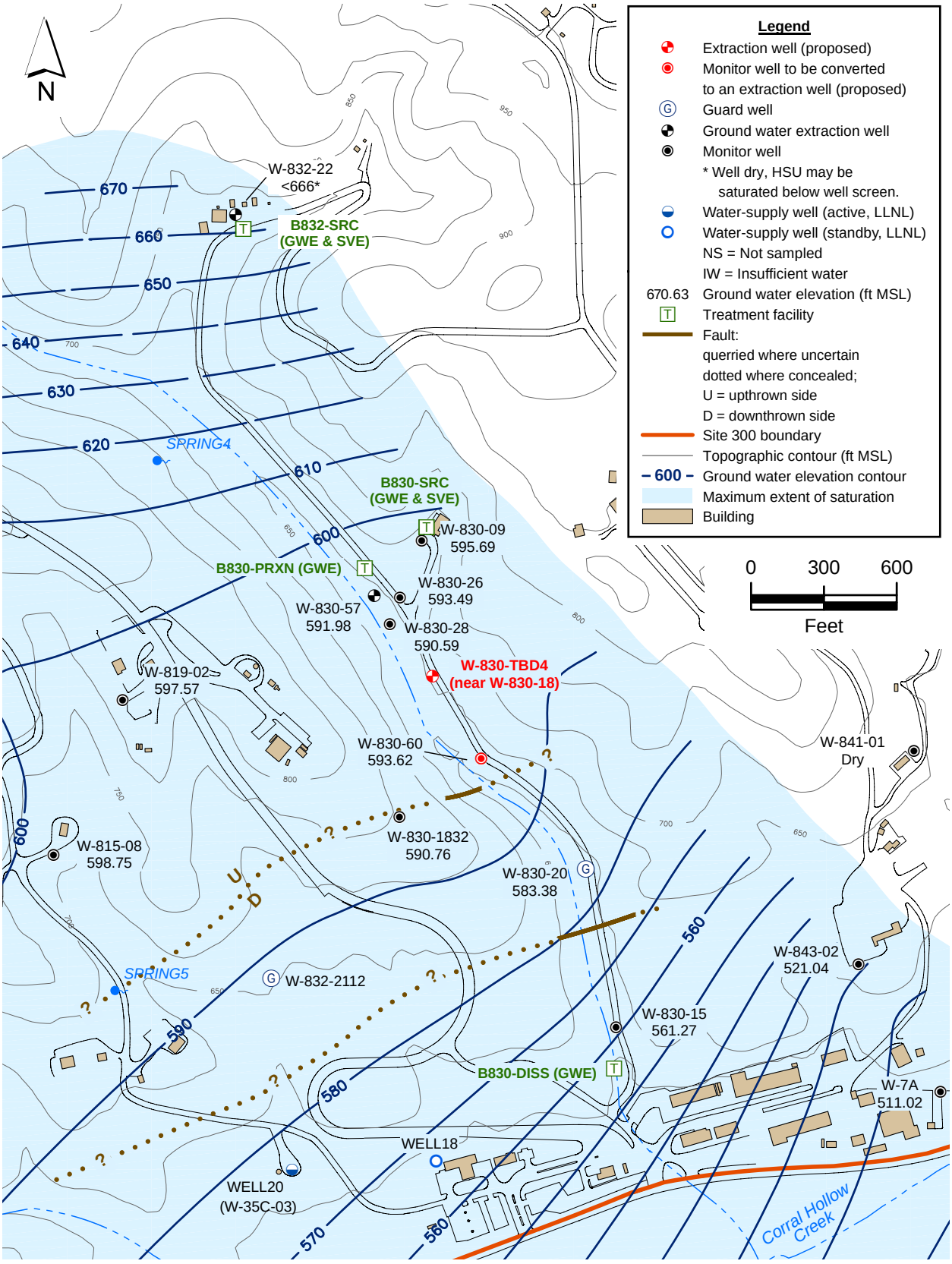


Figure 12. Second Semester 2004 ground water potentiomentric surface map for the Upper Tnbs$_1$ hydrostratigraphic unit.

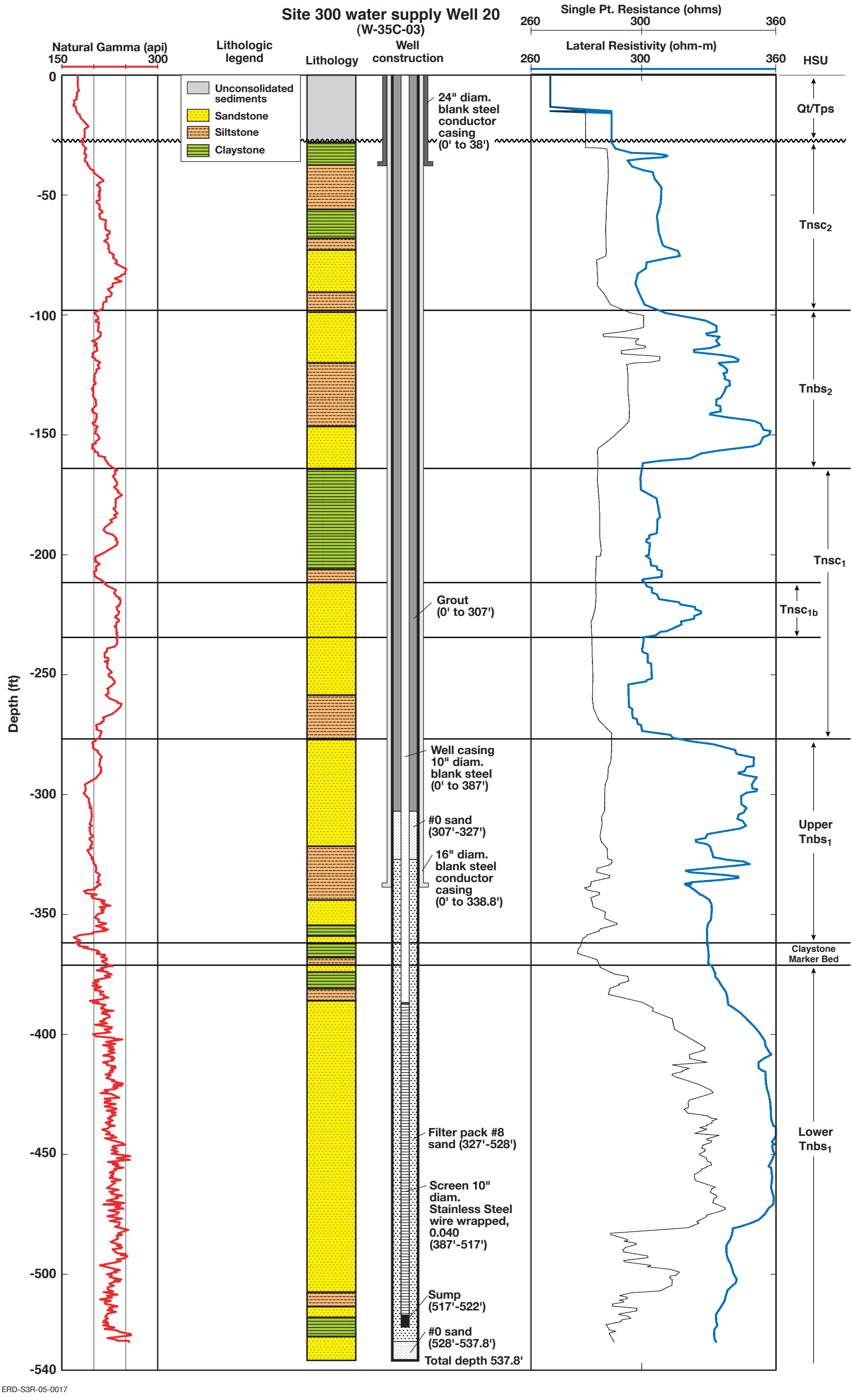


Figure 13. Summary of stratigraphic and hydrostratigraphic units for the Building 832 Canyon OU based on Well 20 data.

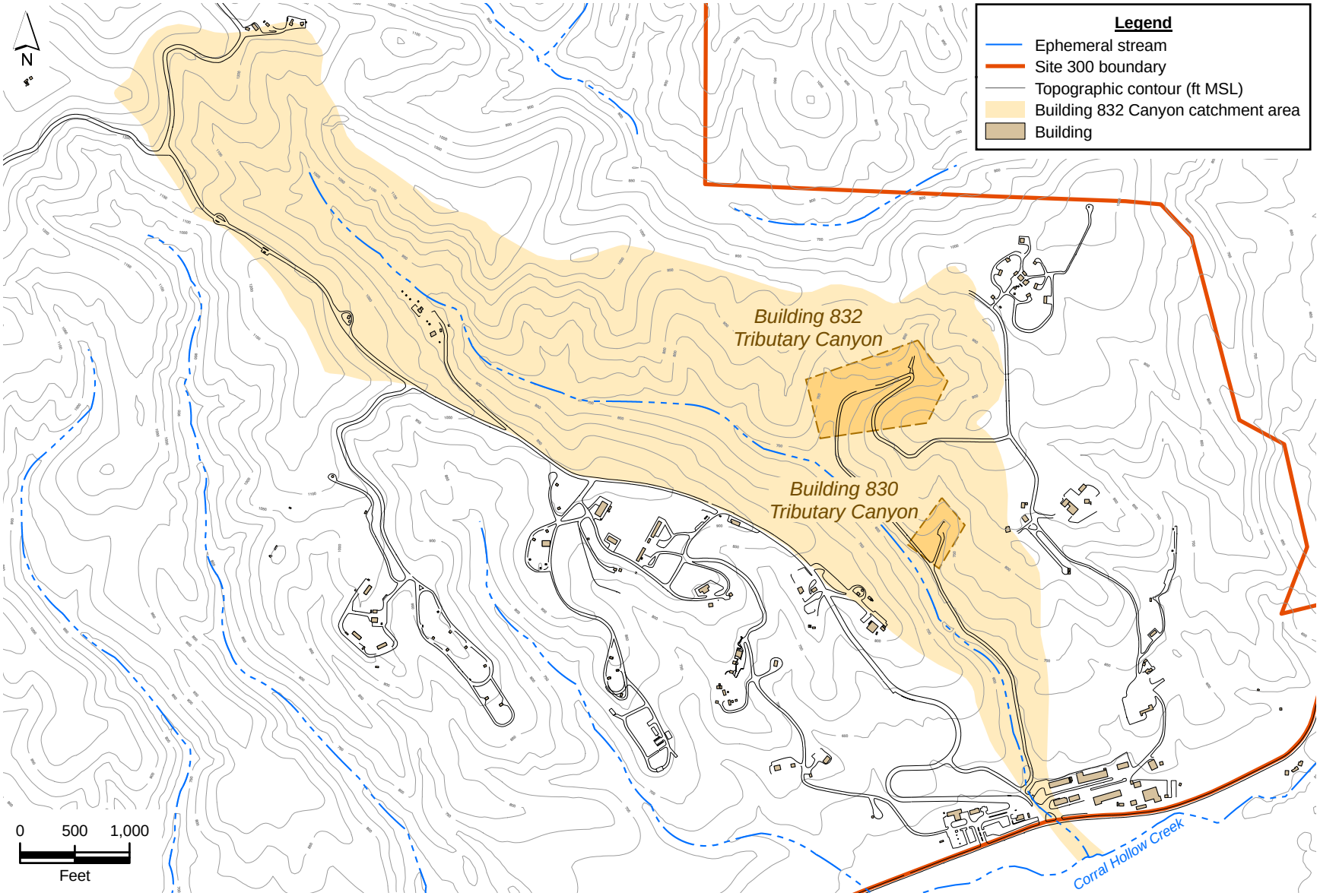


Figure 14. Building 832 Canyon OU catchment area.

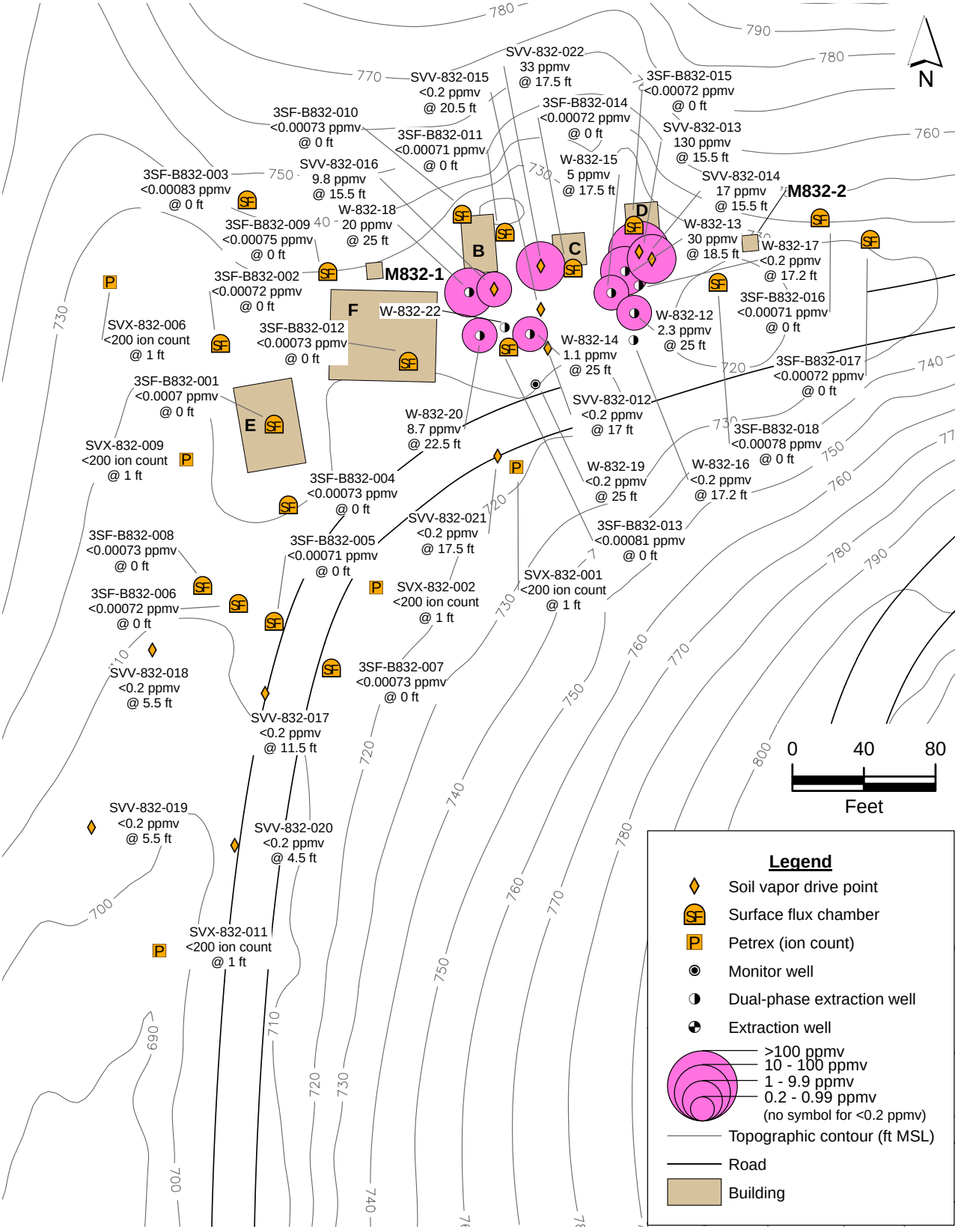


Figure 15. Maximum historical TCE concentrations in soil vapor in the Building 832 source area.

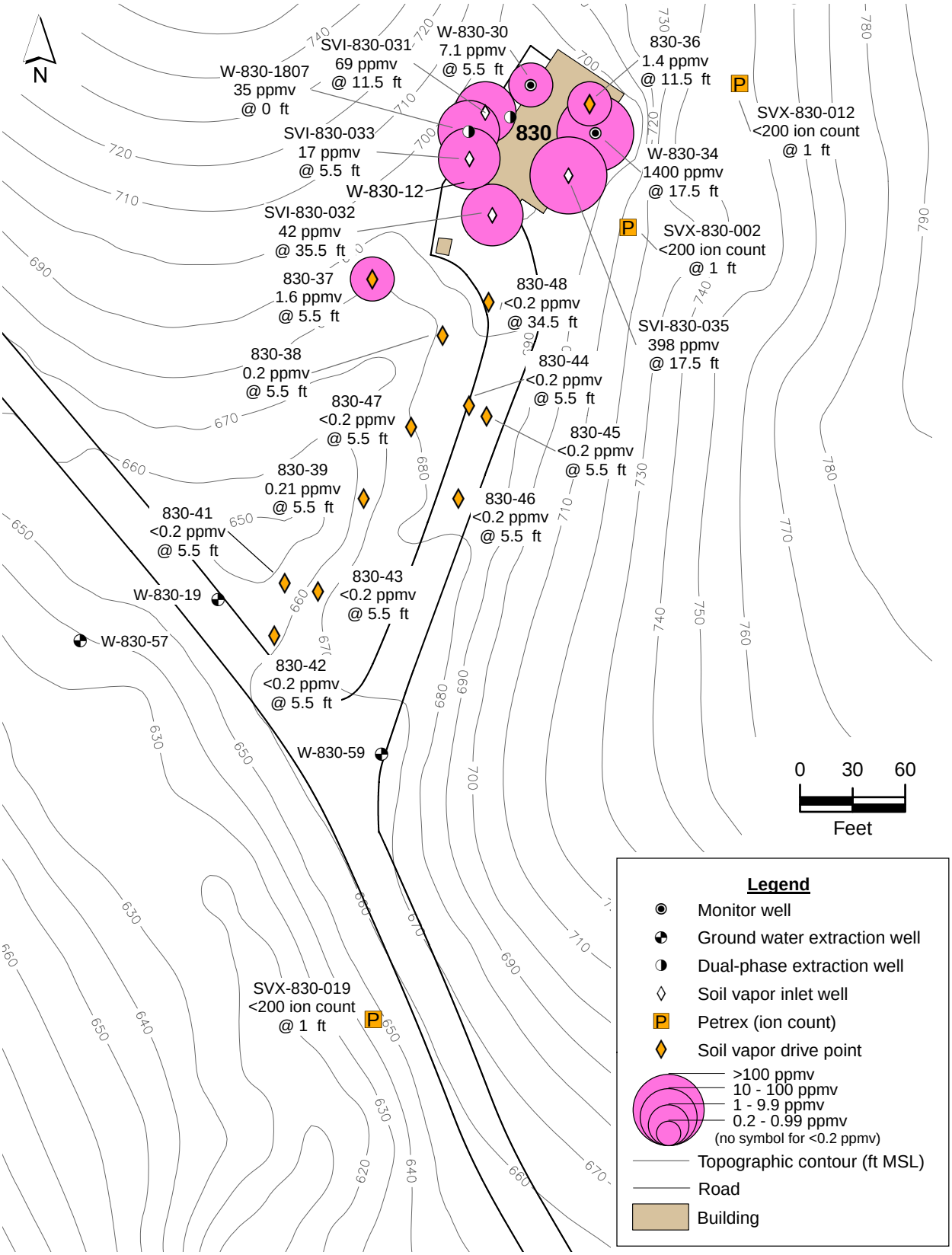


Figure 16. Maximum historical TCE concentrations in soil vapor in the Building 830 source area.

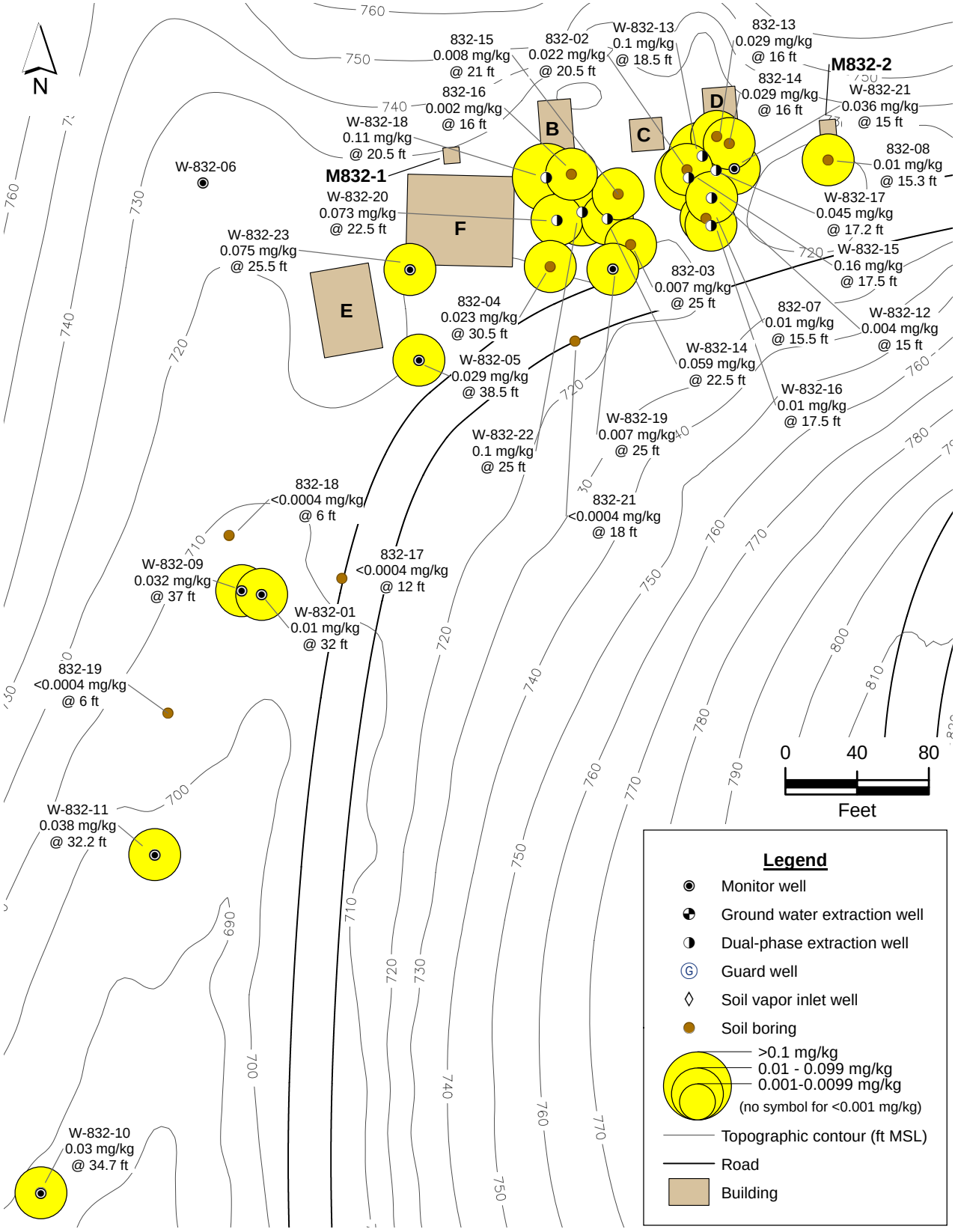


Figure 17. Maximum historical TCE concentrations in soil in the Building 832 source area.

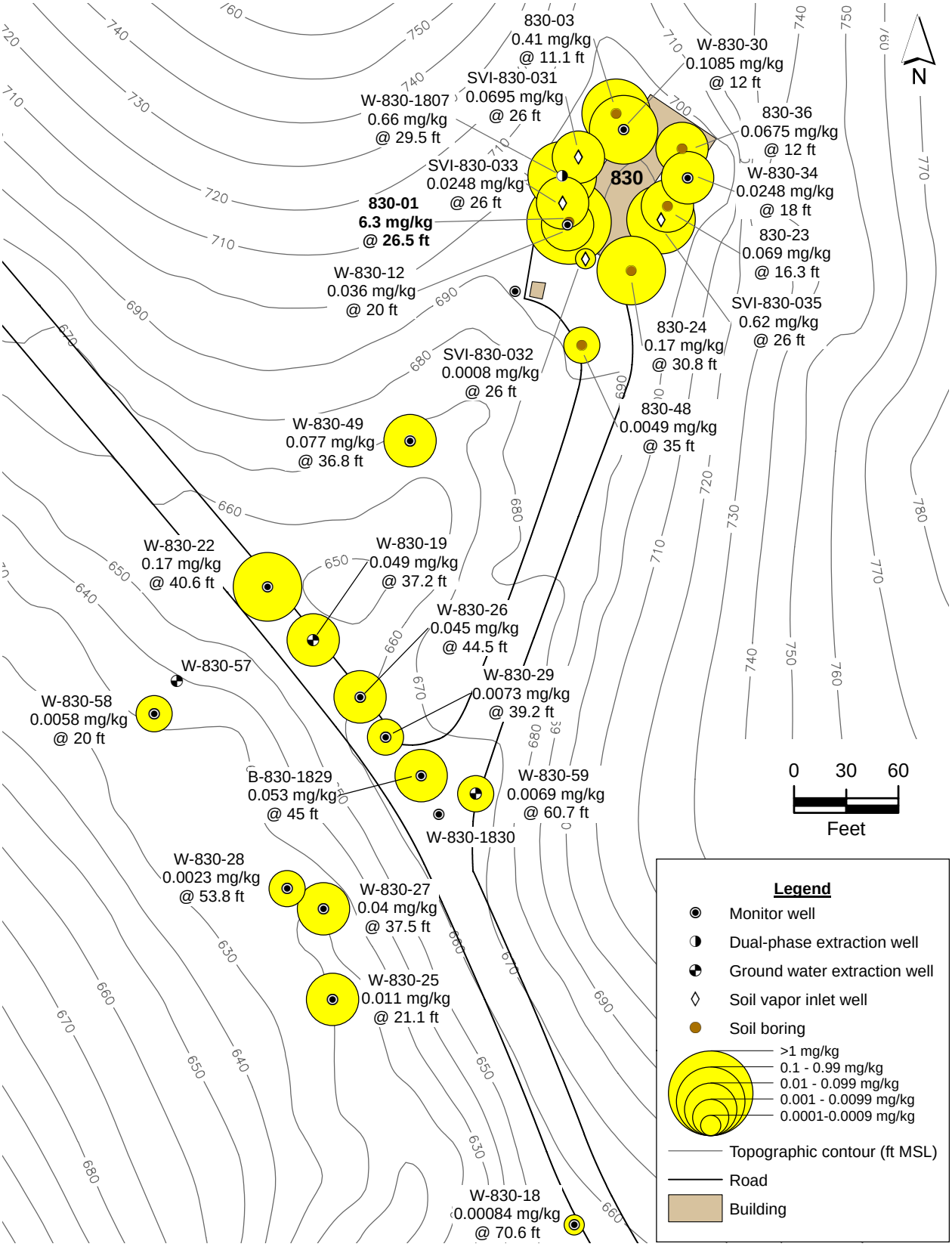


Figure 18. Maximum historical TCE concentrations in soil in the Building 830 source area.

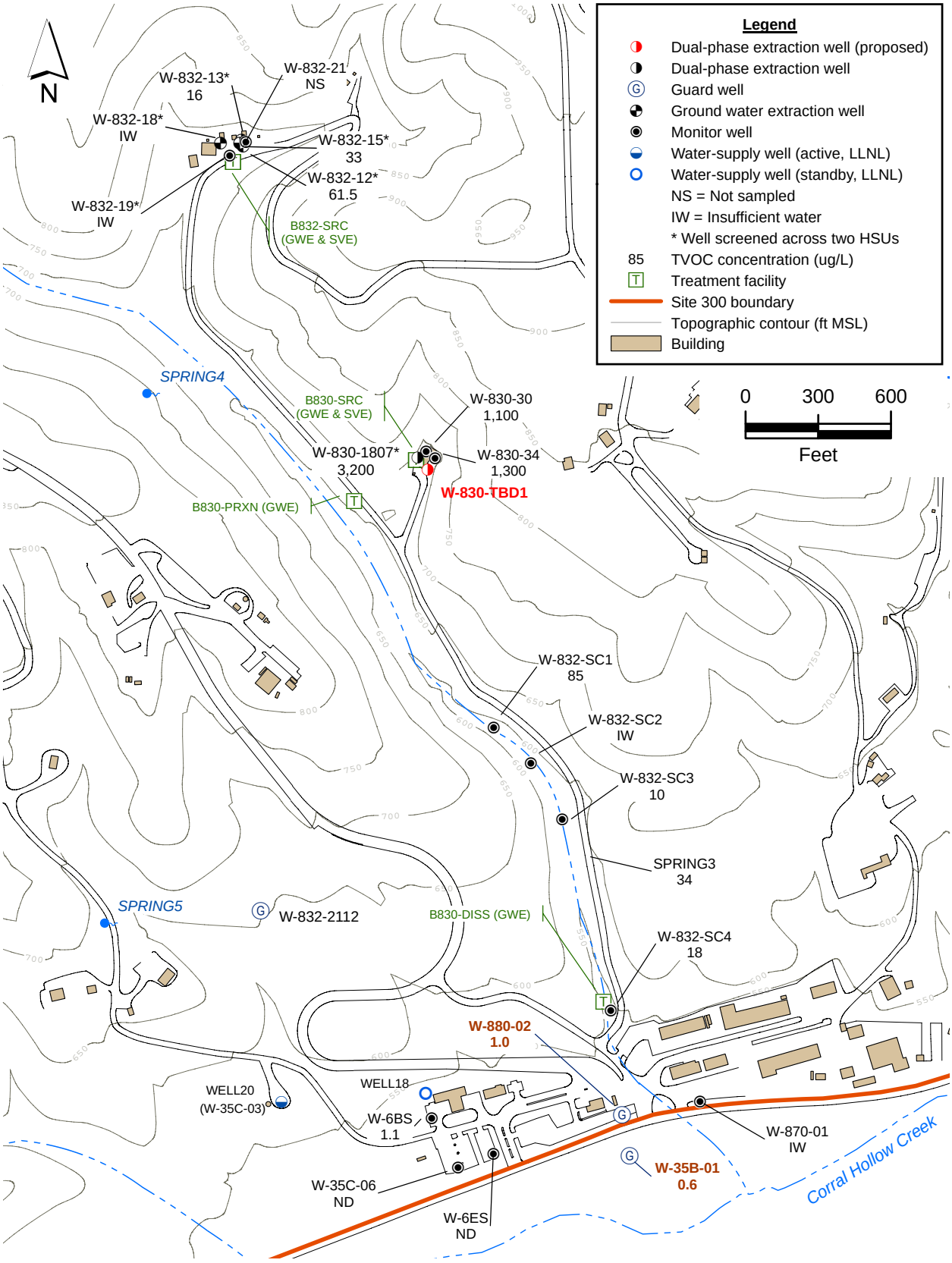


Figure 19. Second Semester 2004 total VOC concentrations in ground water for the Qal/weathered bedrock hydrostratigraphic unit.

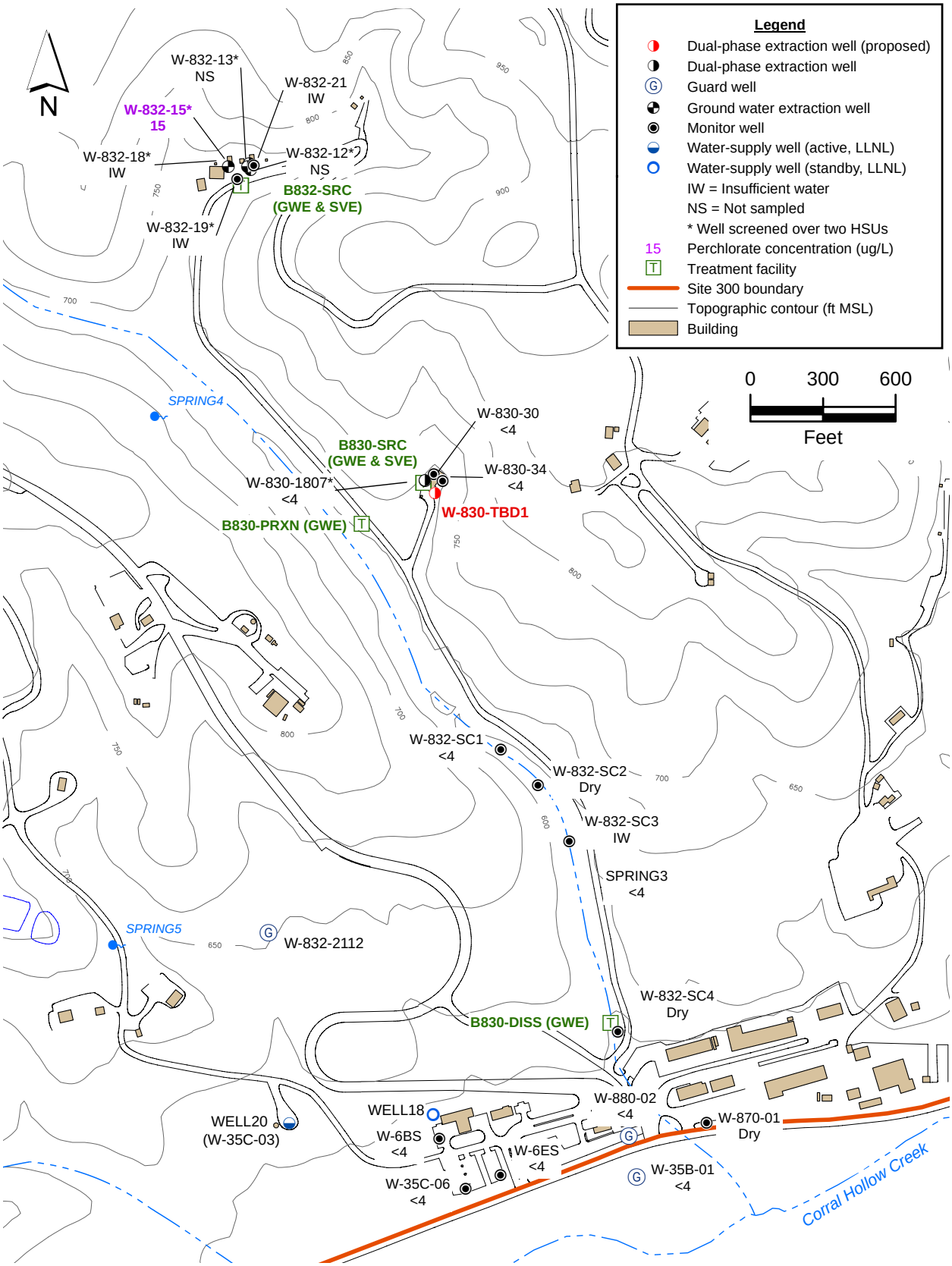


Figure 20. 2004 perchlorate concentrations in ground water for the Qal/weathered bedrock hydrostratigraphic unit.

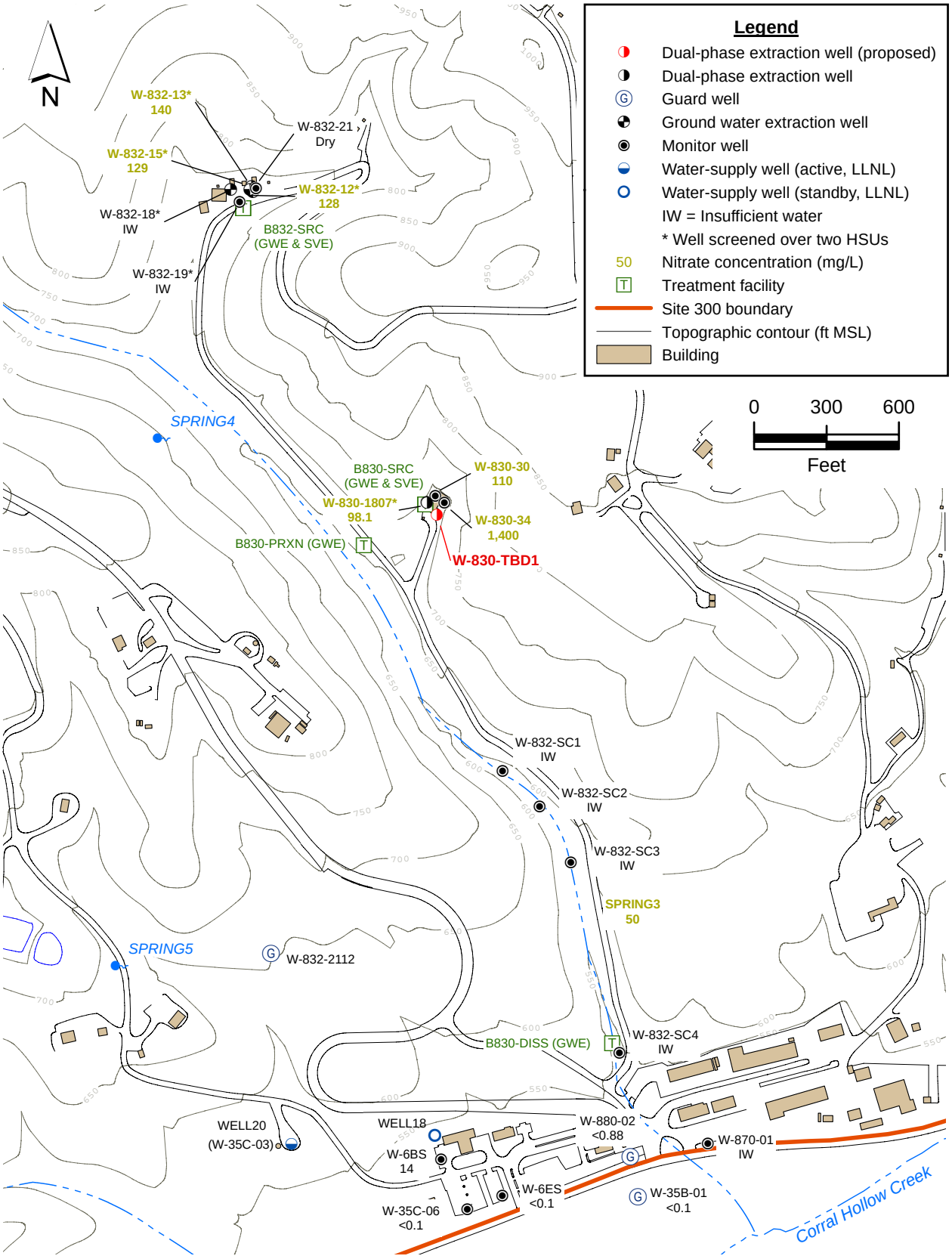


Figure 21. 2004 nitrate concentrations in ground water for the Qal/weathered bedrock hydrostratigraphic unit.

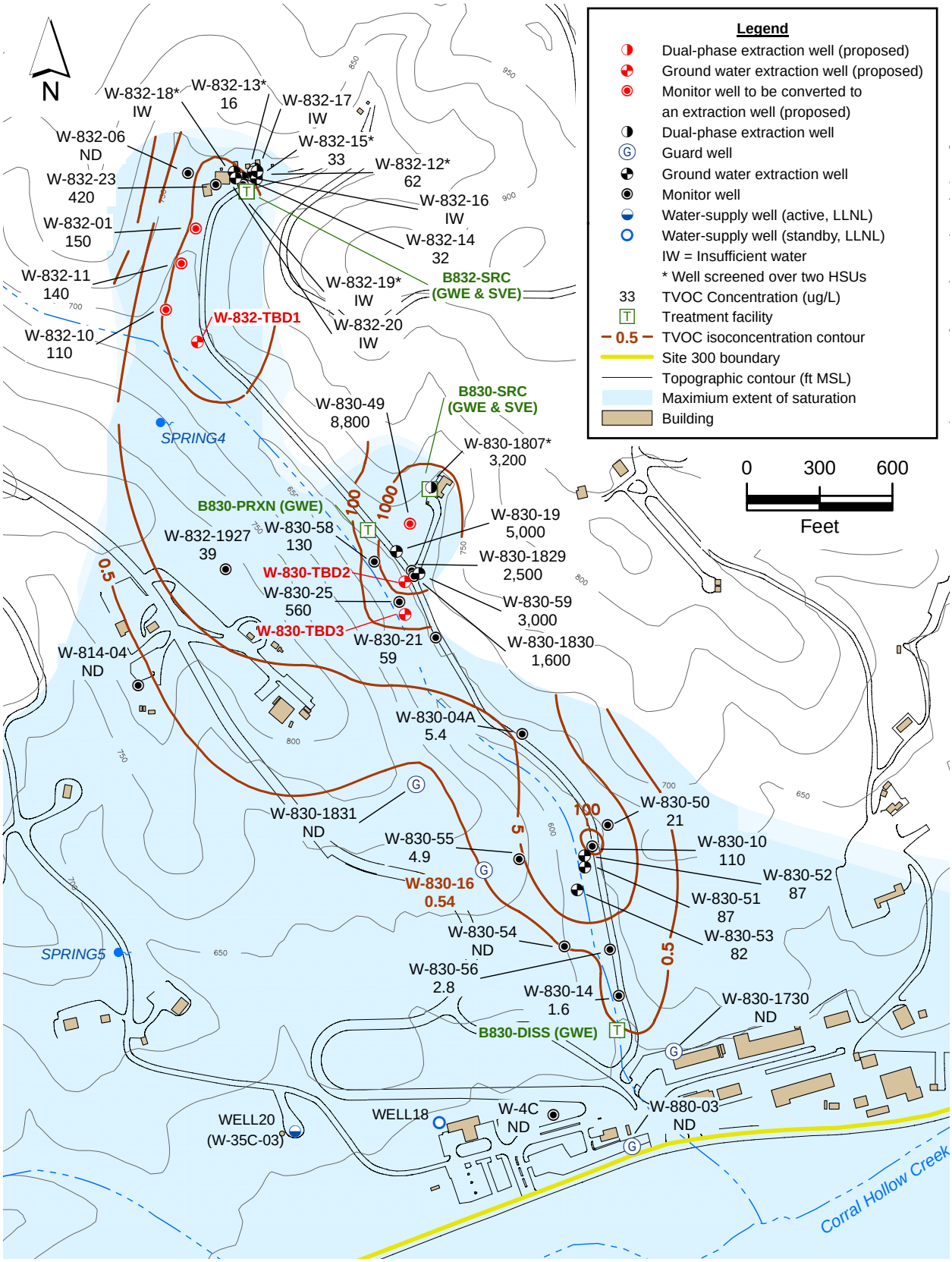


Figure 22. Second Semester 2004 total VOC ground water isoconcentration contour map in the $Tnsc_{1b}$ hydrostratigraphic unit.

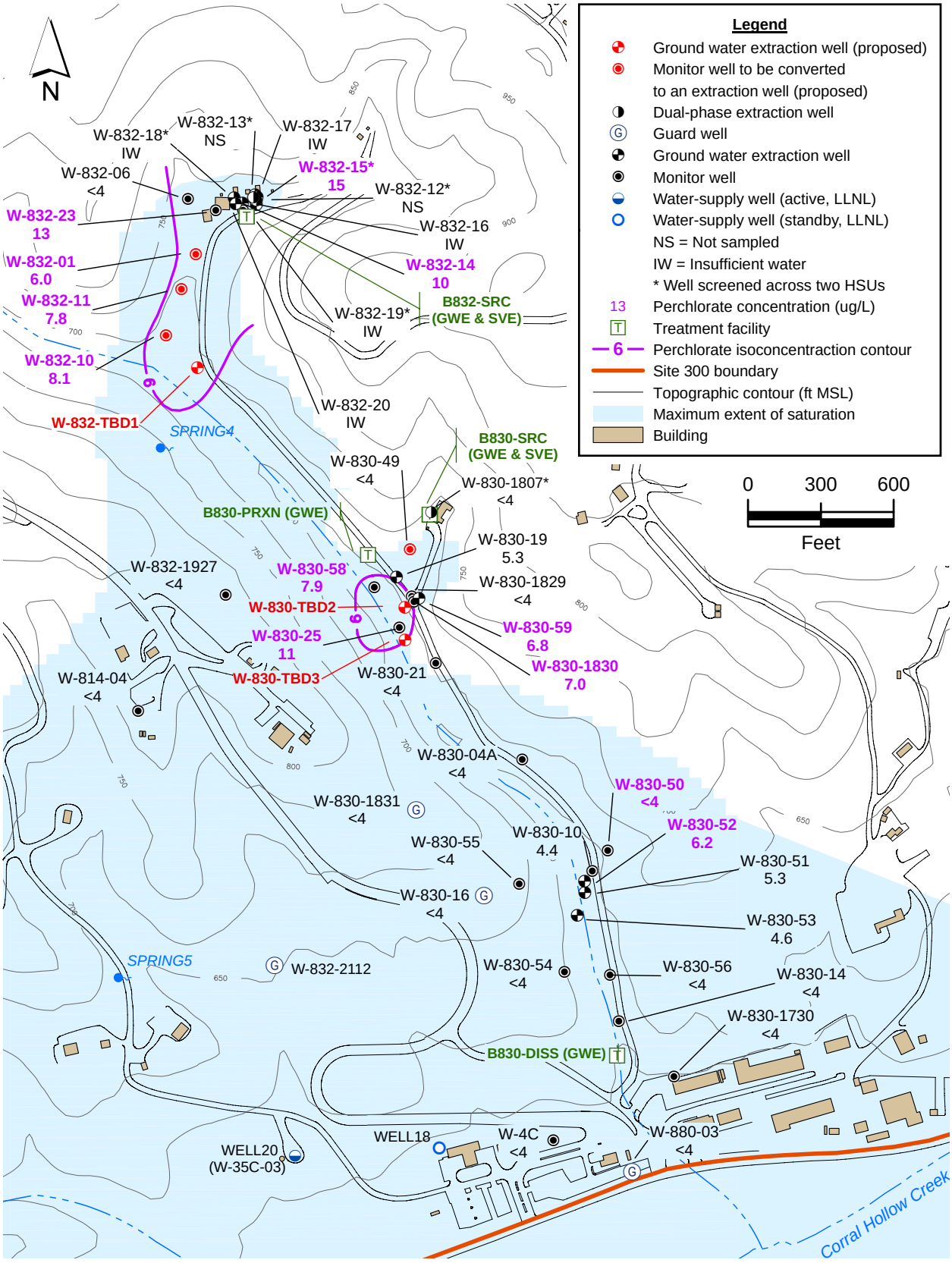


Figure 23. 2004 perchlorate concentrations in ground water for the $Tnsc_{1b}$ hydrostratigraphic unit.

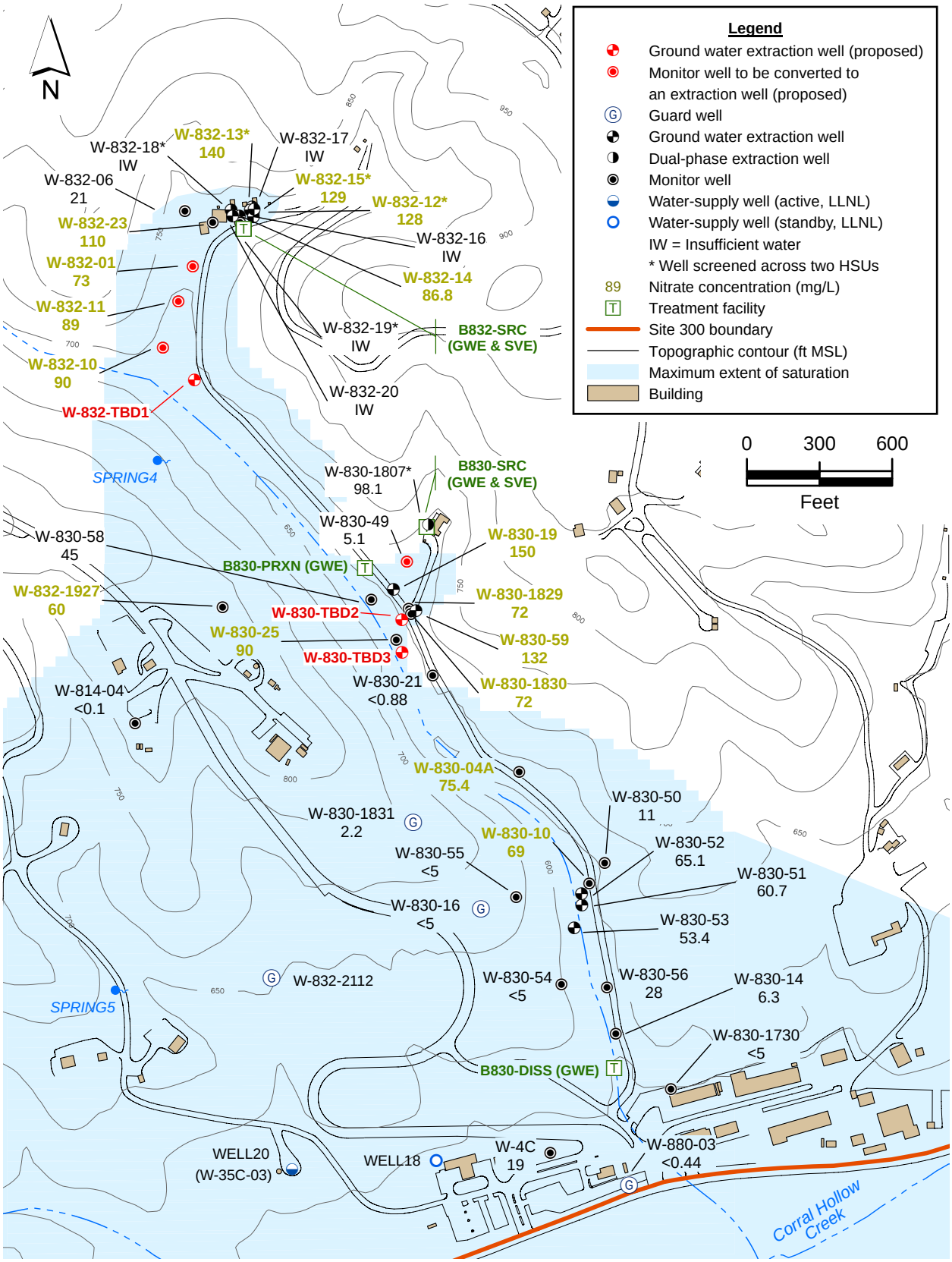


Figure 24. 2004 nitrate concentrations in ground water for the $Tnsc_{1b}$ hydrostratigraphic unit.

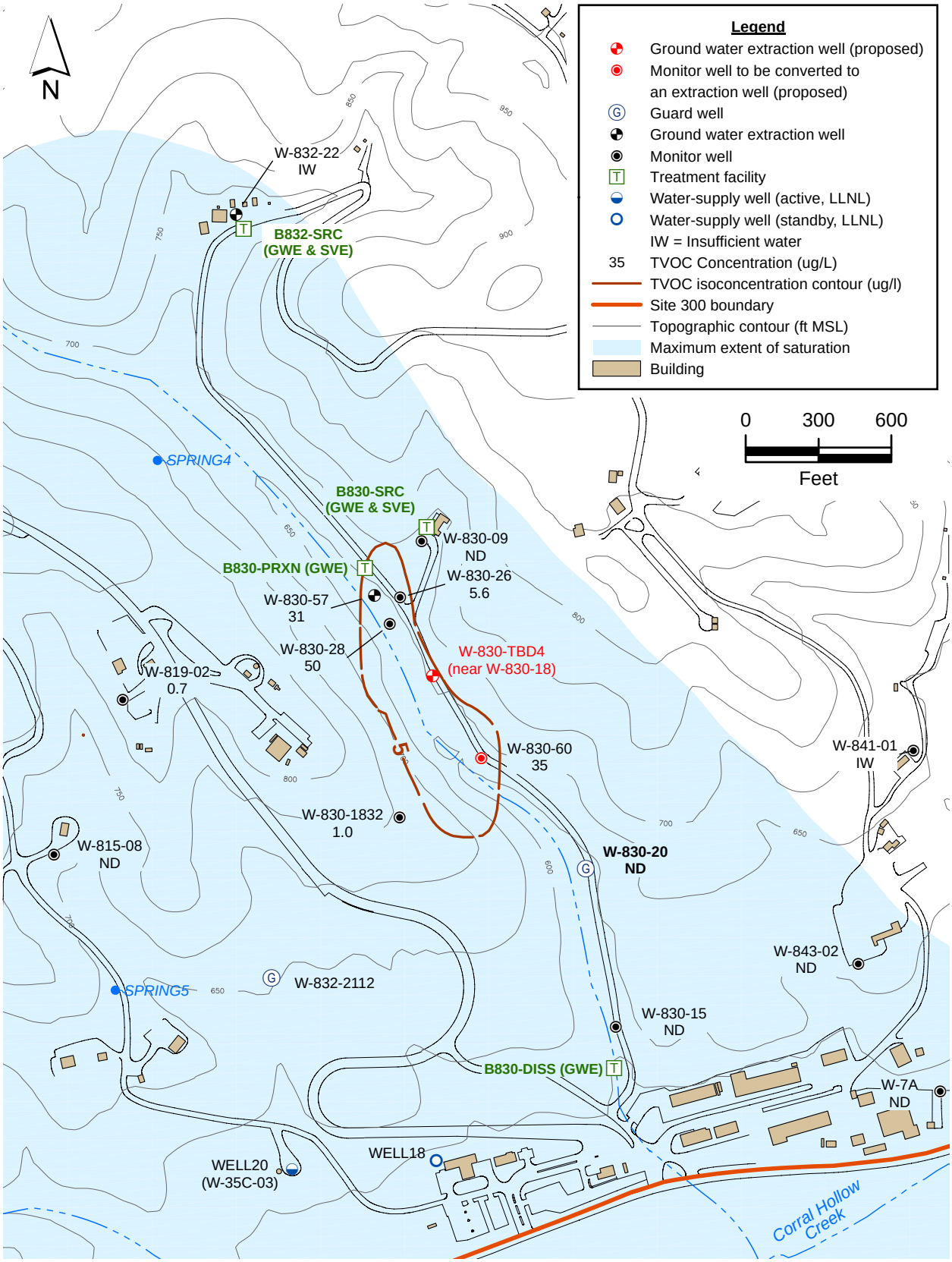


Figure 25. Second Semester 2004 total VOC concentrations in ground water for the Upper $Tnbs_1$ hydrostratigraphic unit.

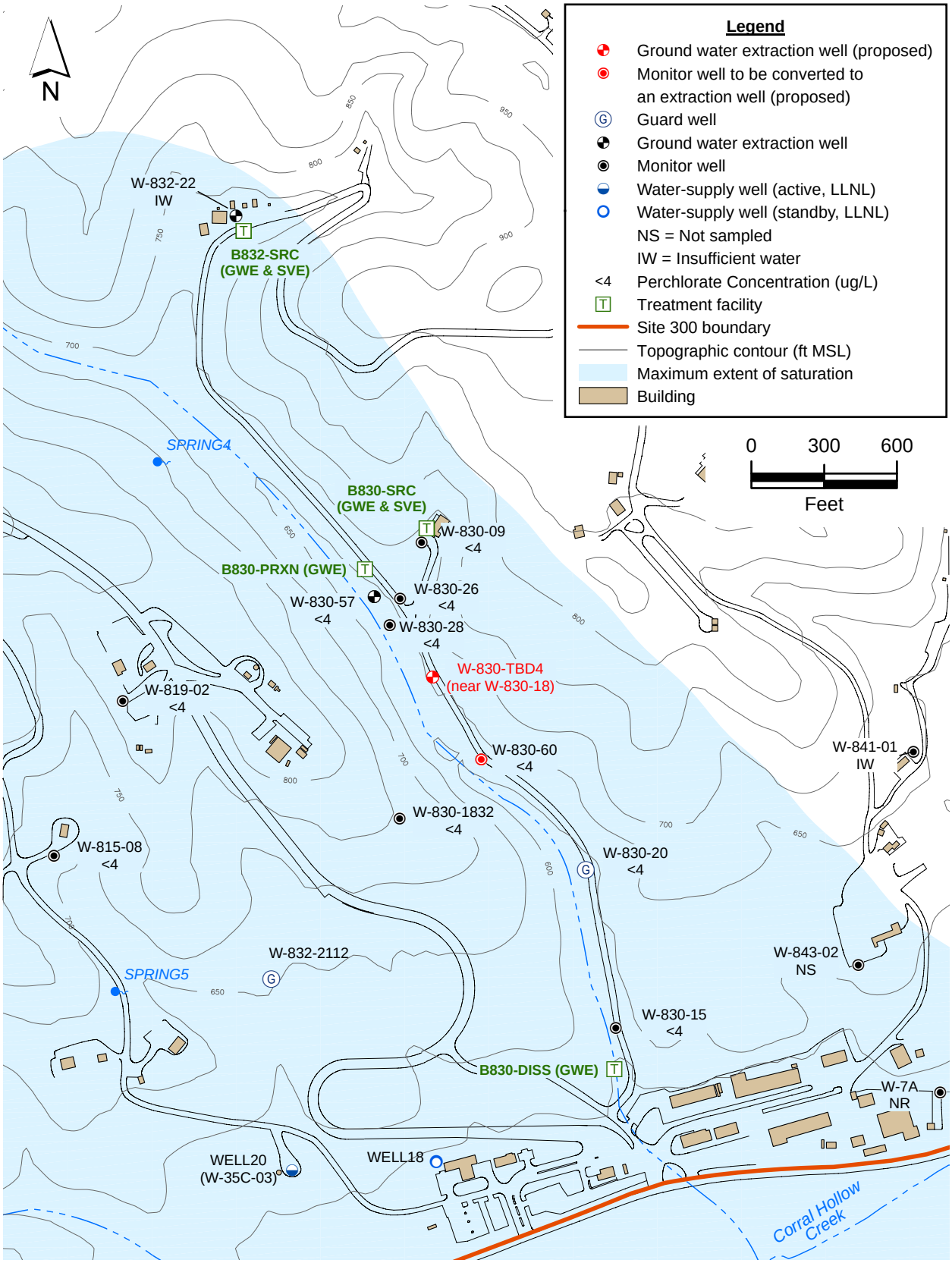


Figure 26. 2004 perchlorate concentrations in ground water for the Upper $Tnbs_1$ hydrostratigraphic unit.

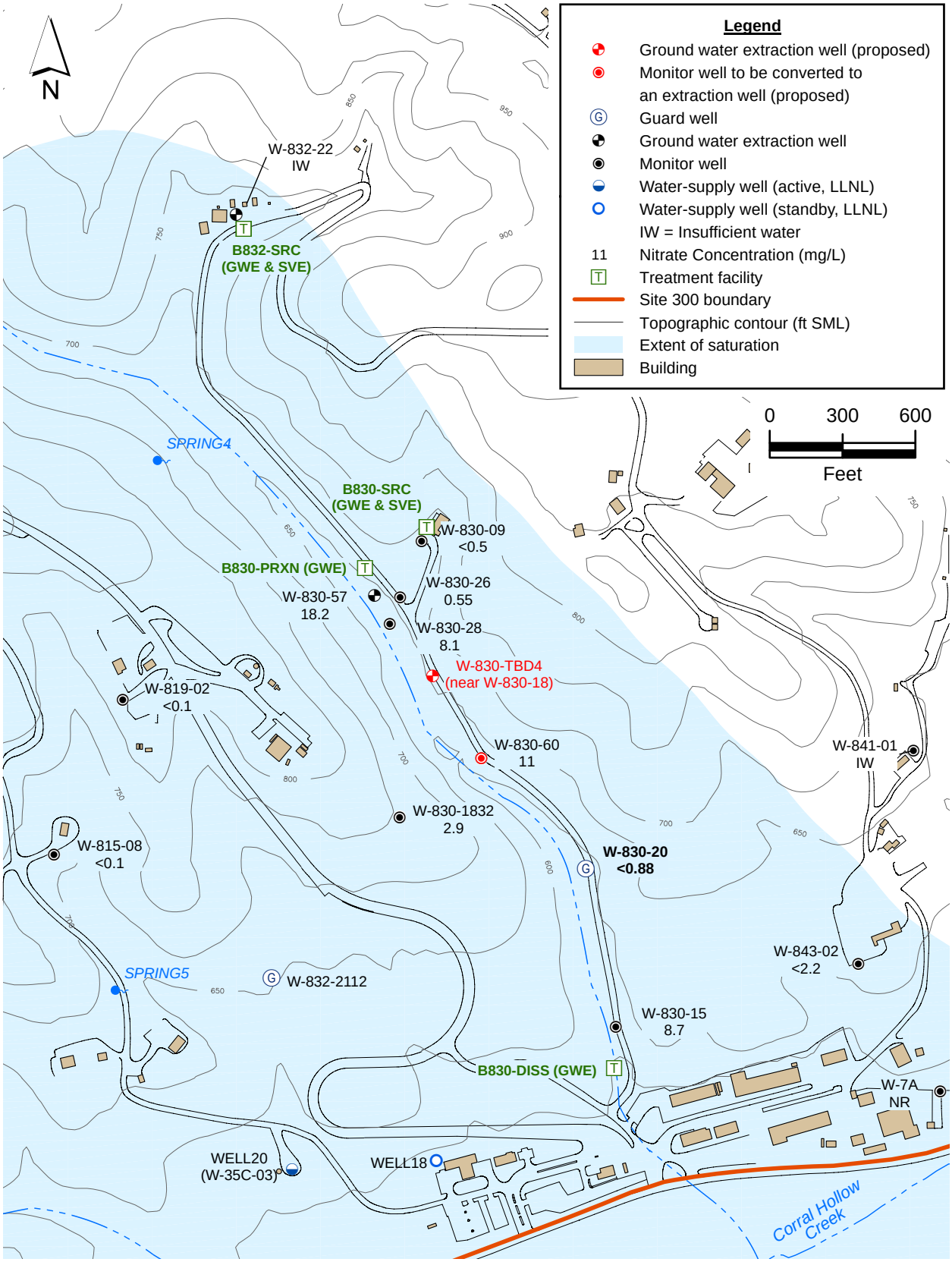


Figure 27. 2004 nitrate concentrations in ground water for the Upper $Tnbs_1$ hydrostratigraphic unit.

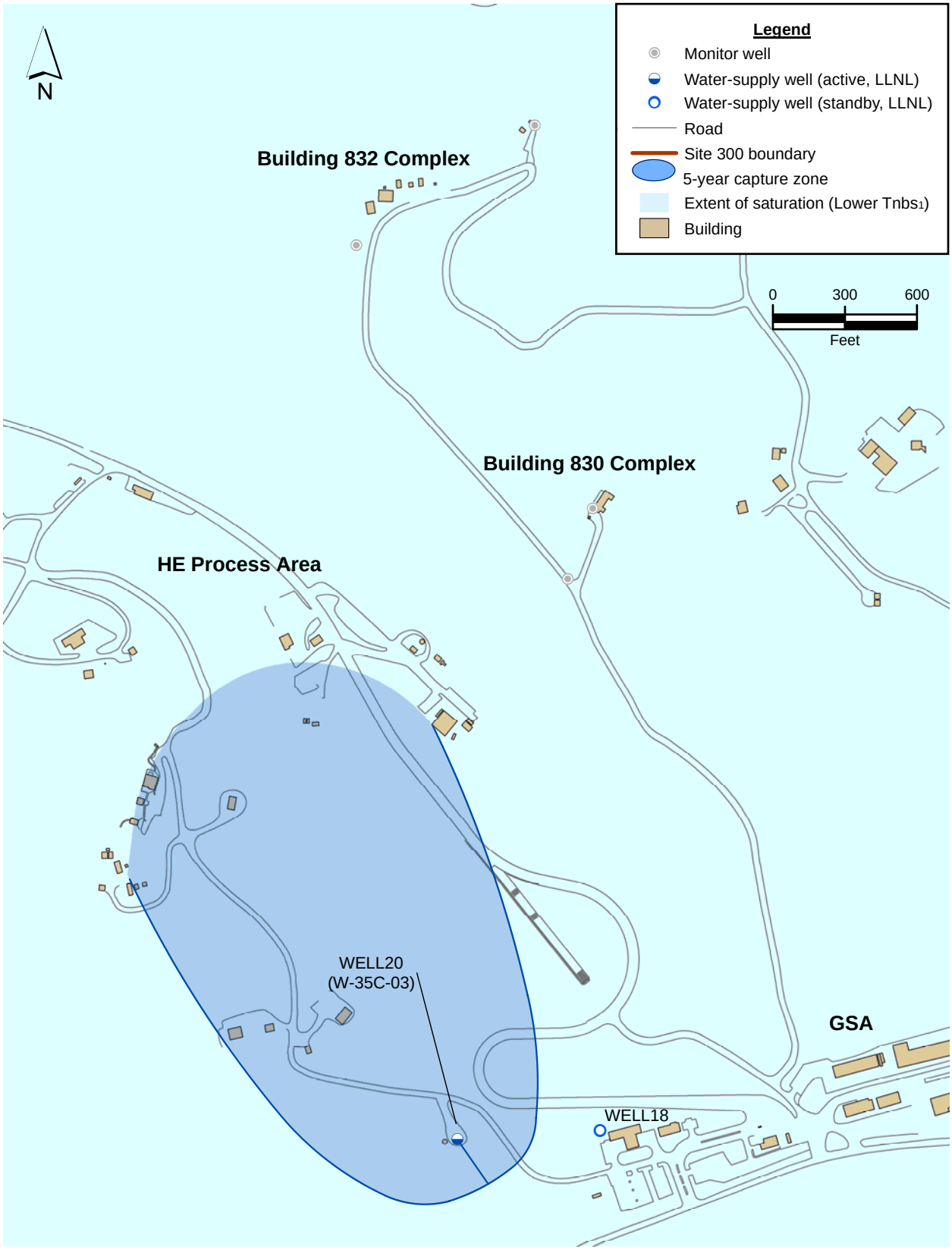


Figure 28. Predicted capture zone for water-supply well, Well 20 (Lower $Tnbs_1$).

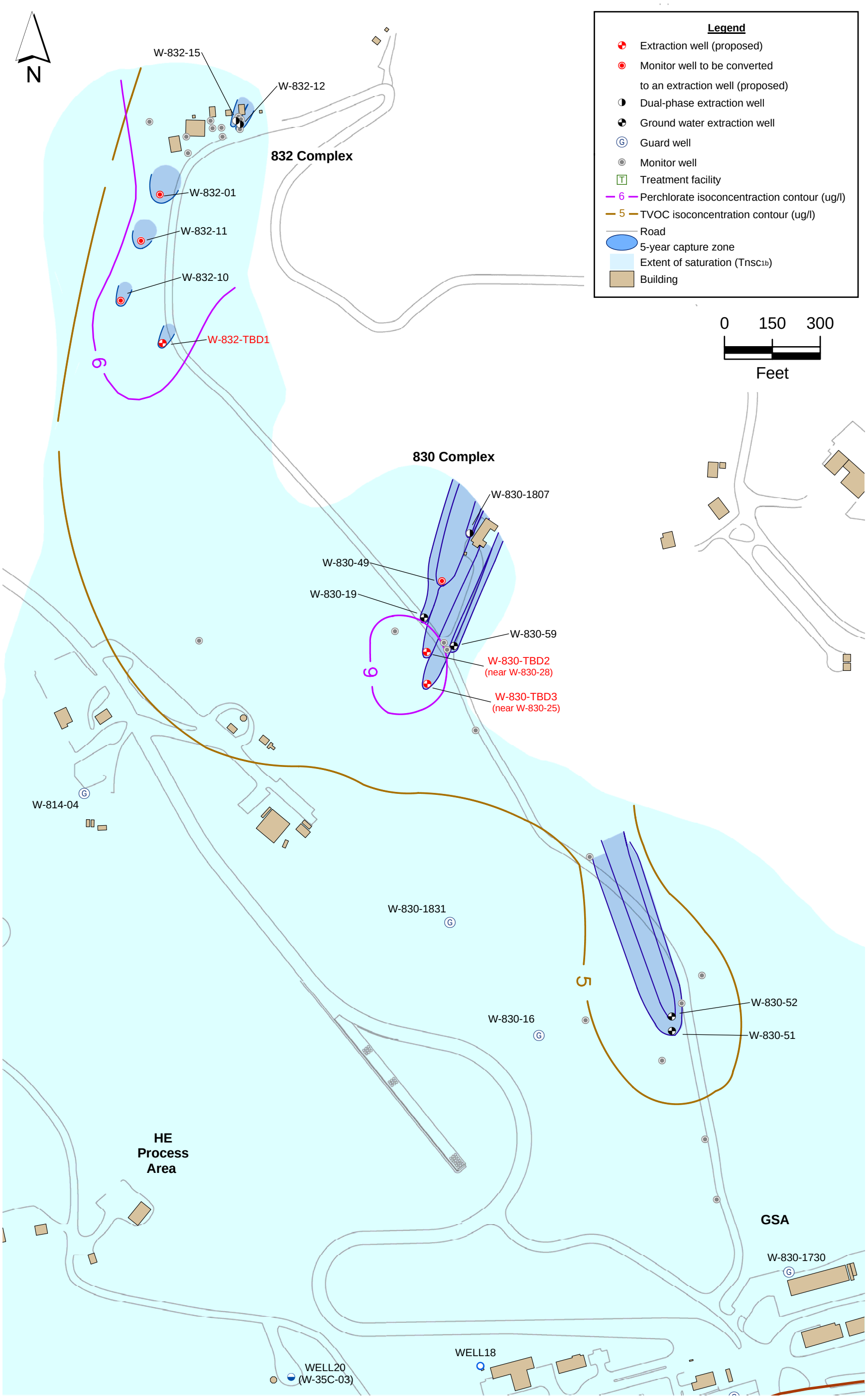


Figure 29. Predicted capture zones for the Building 830 and Building 832 extraction wellfields for the $Tnsc_{1b}$ hydrostratigraphic unit.

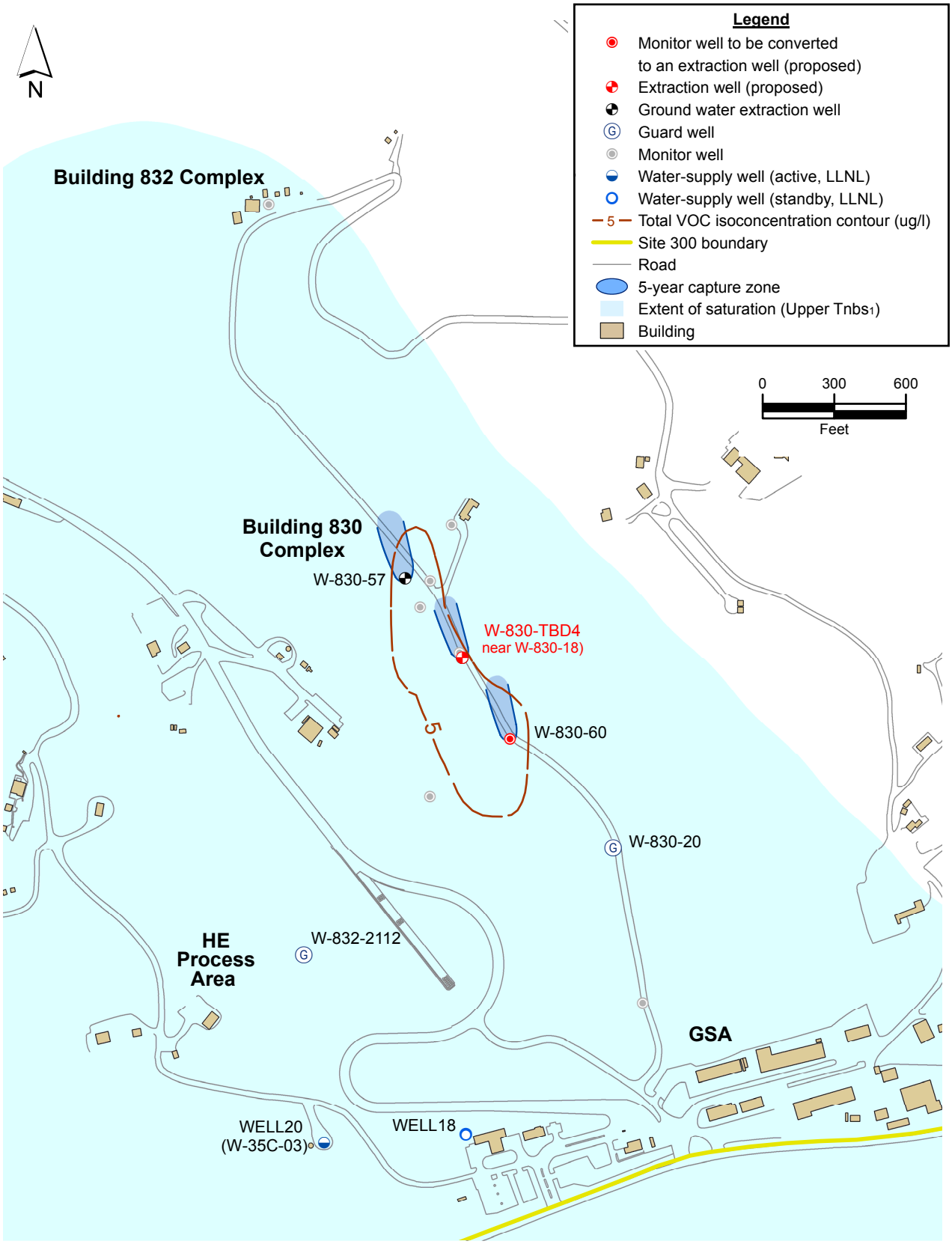
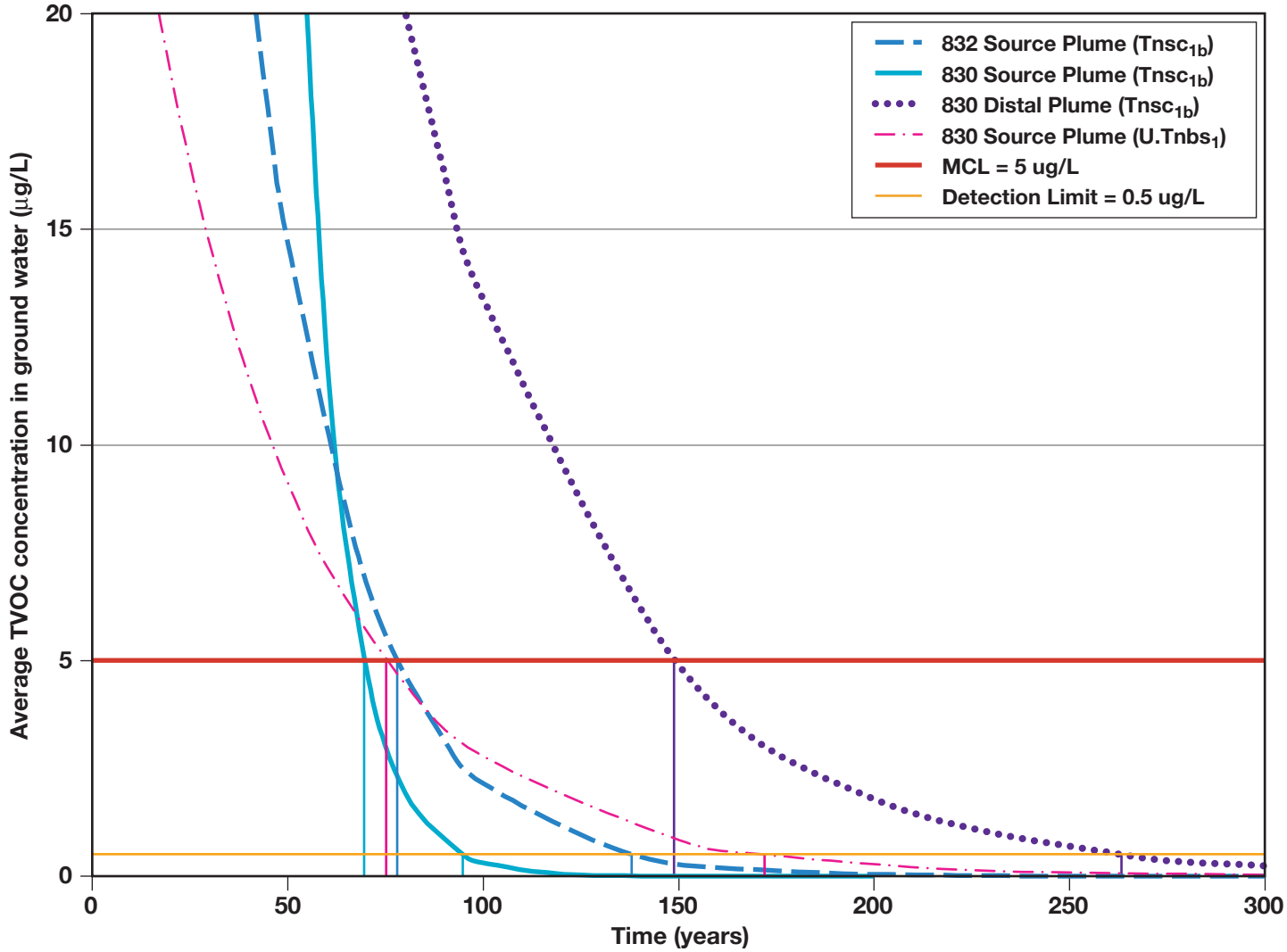


Figure 30. Predicted capture zone for the Building 830 Upper $Tnbs_1$ hydrostratigraphic unit extraction wellfield.



ERD-S3R-05-0134

Figure 31. Time-series plot of estimated time to total VOC cleanup for Building 832 Canyon OU proposed $Tnsc_{1b}$ and Upper $Tnbs_1$ extraction wellfields based on mixed tank model results.

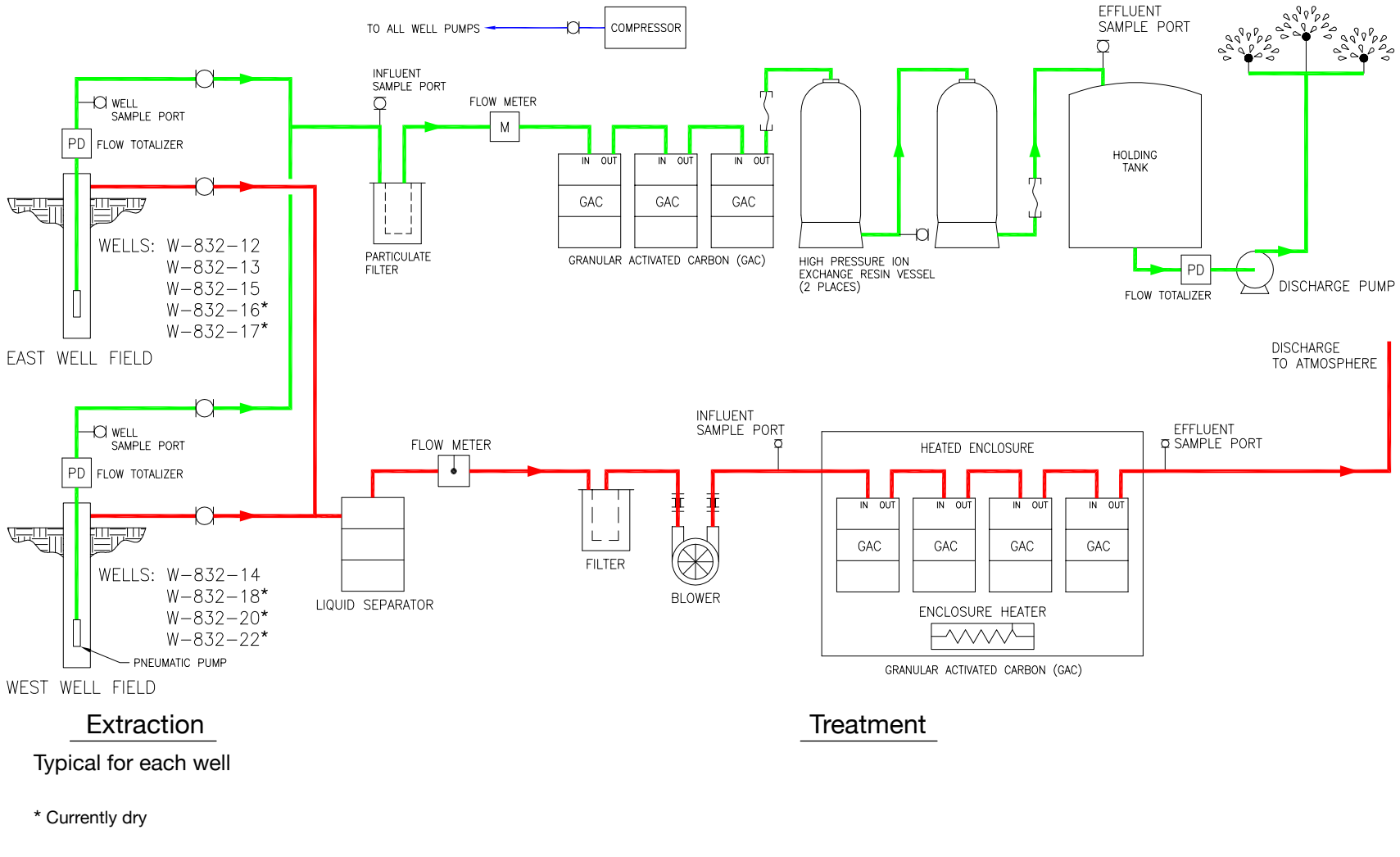
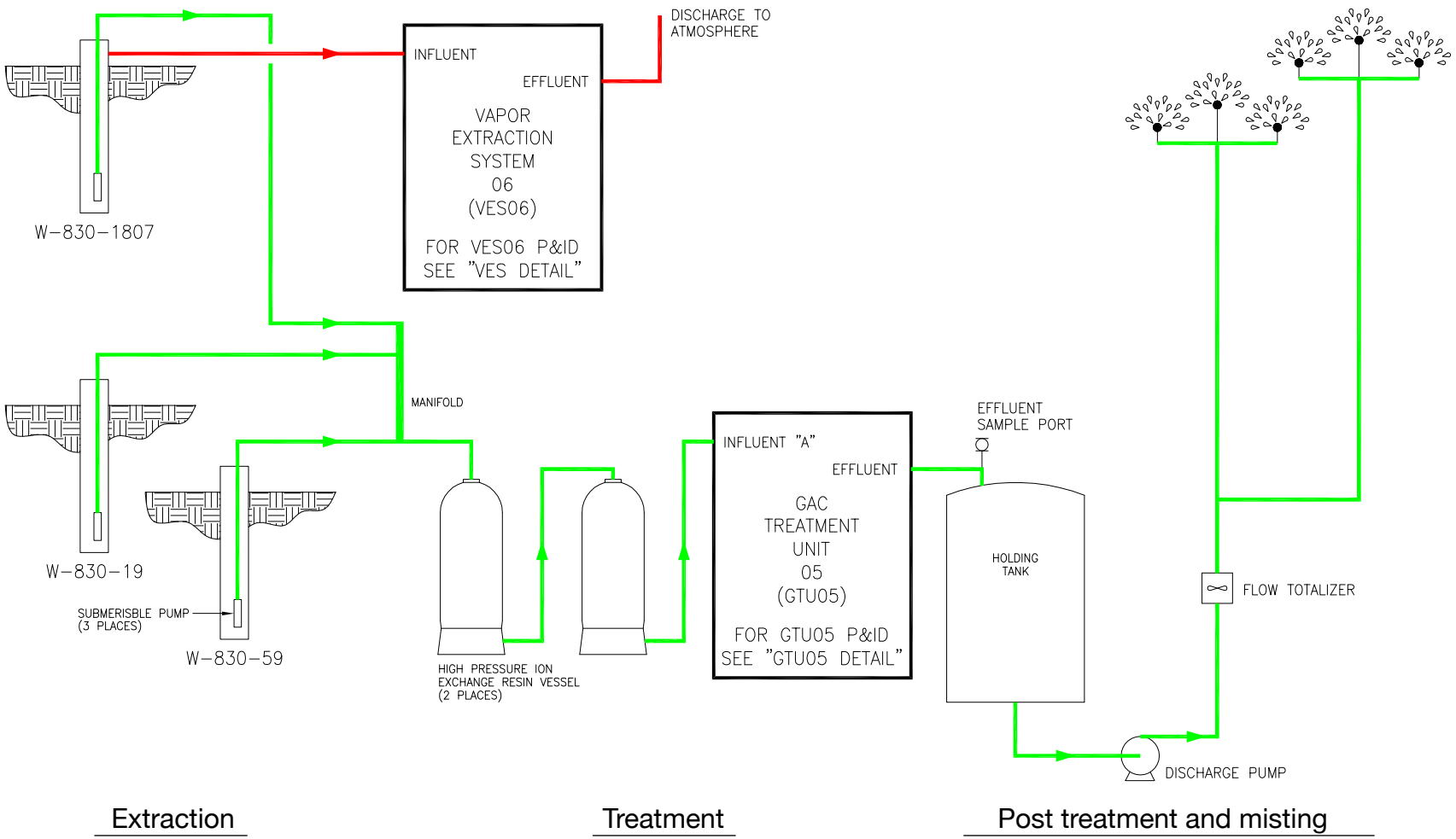


Figure 32. Piping and instrument diagram, Treatment Facility B832-SRC.



ERD-S3R-05-0010

Figure 33. Piping and instrument diagram, Treatment Facility B830-SRC.

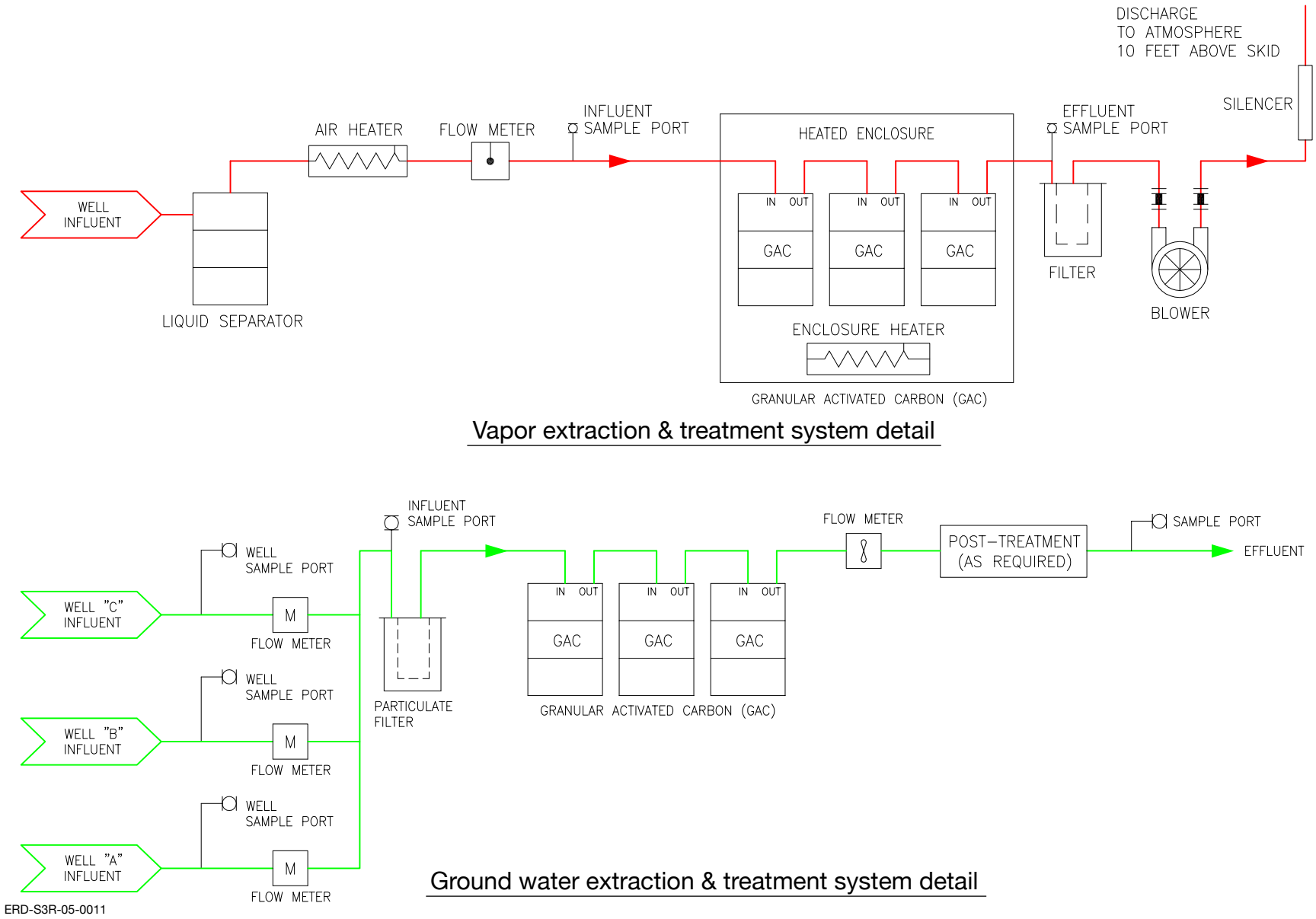


Figure 34. Piping and instrument diagram, soil vapor and ground water extraction & treatment system detail, Treatment Facility B830-SRC.

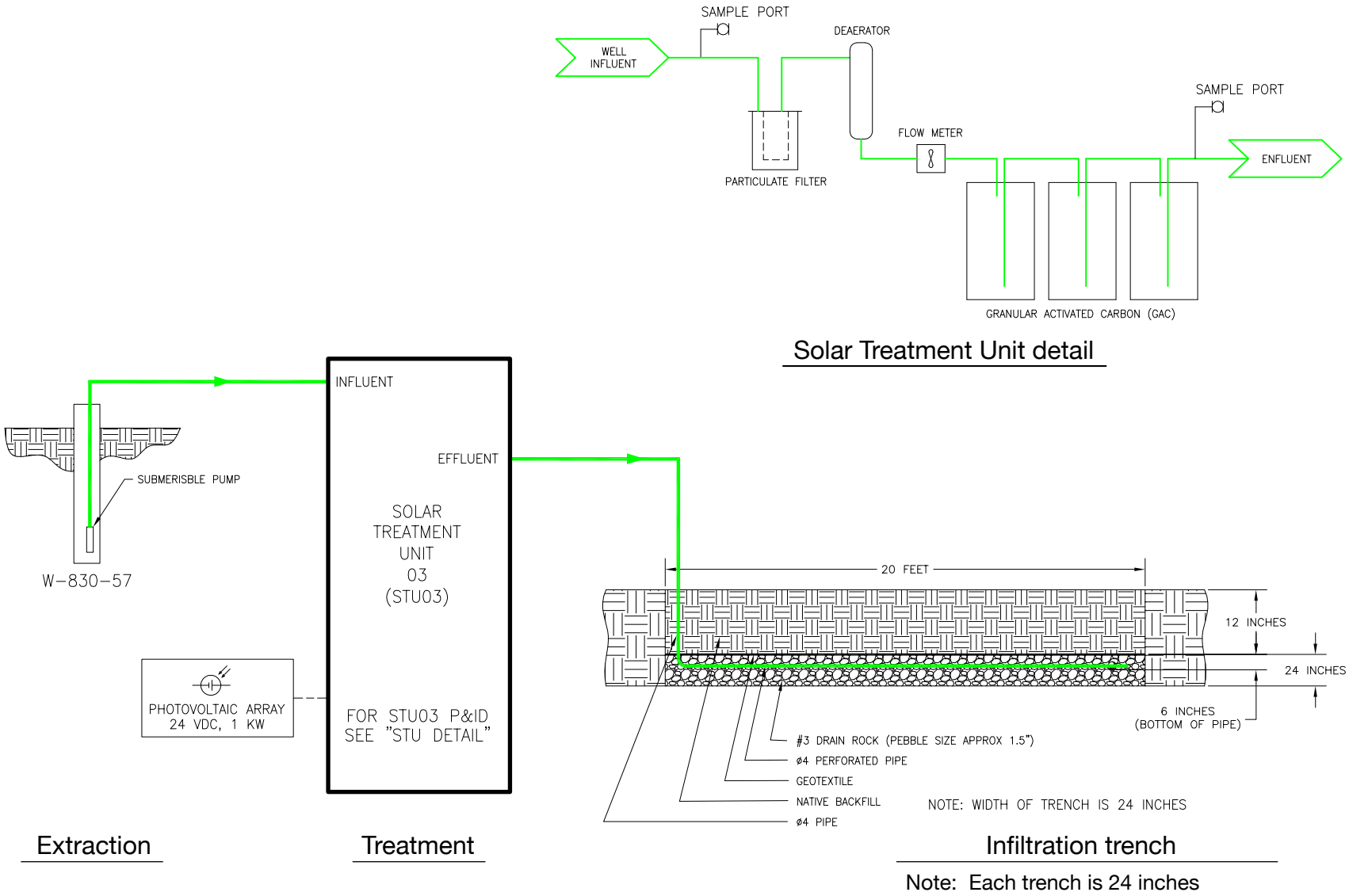
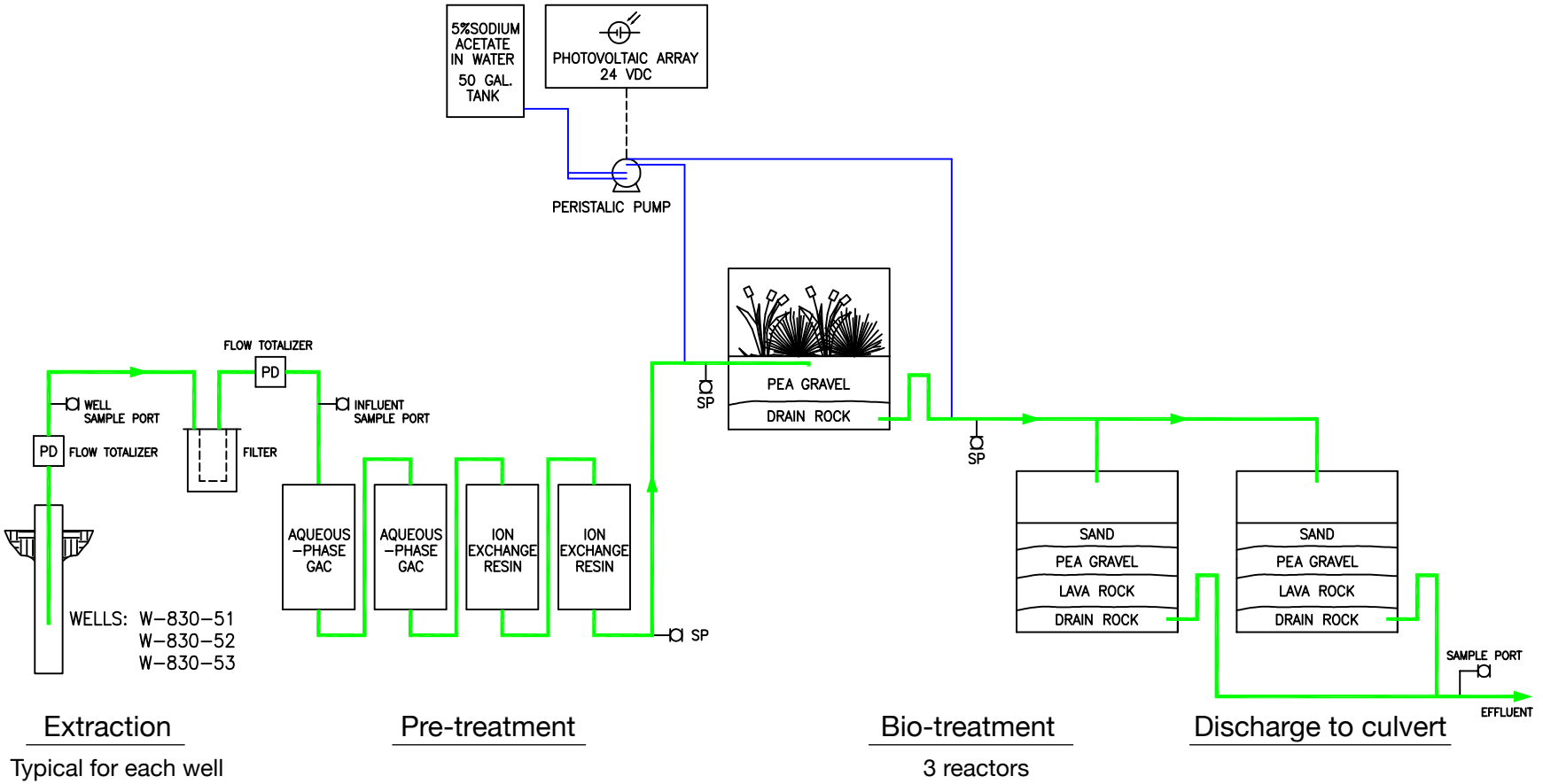


Figure 35. Piping and instrument diagram, Treatment Facility B830-PRXN.



ERD-S3R-05-0014

Figure 36. Piping and instrument diagram, Treatment Facility B830-DISS.

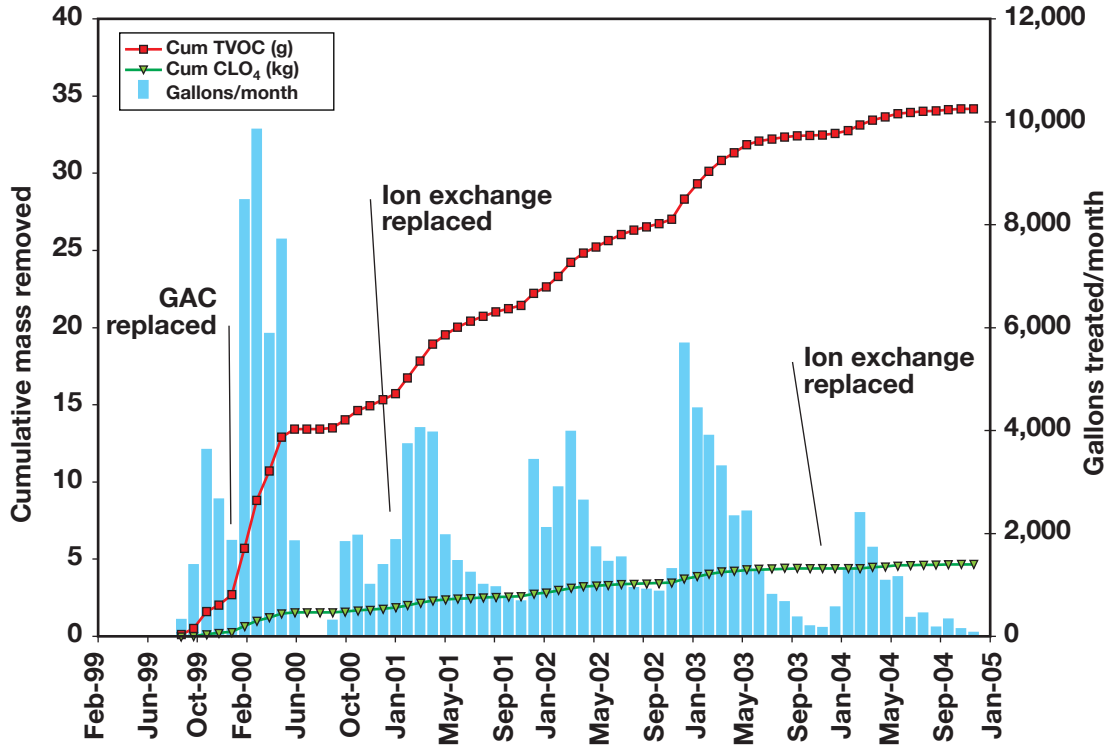
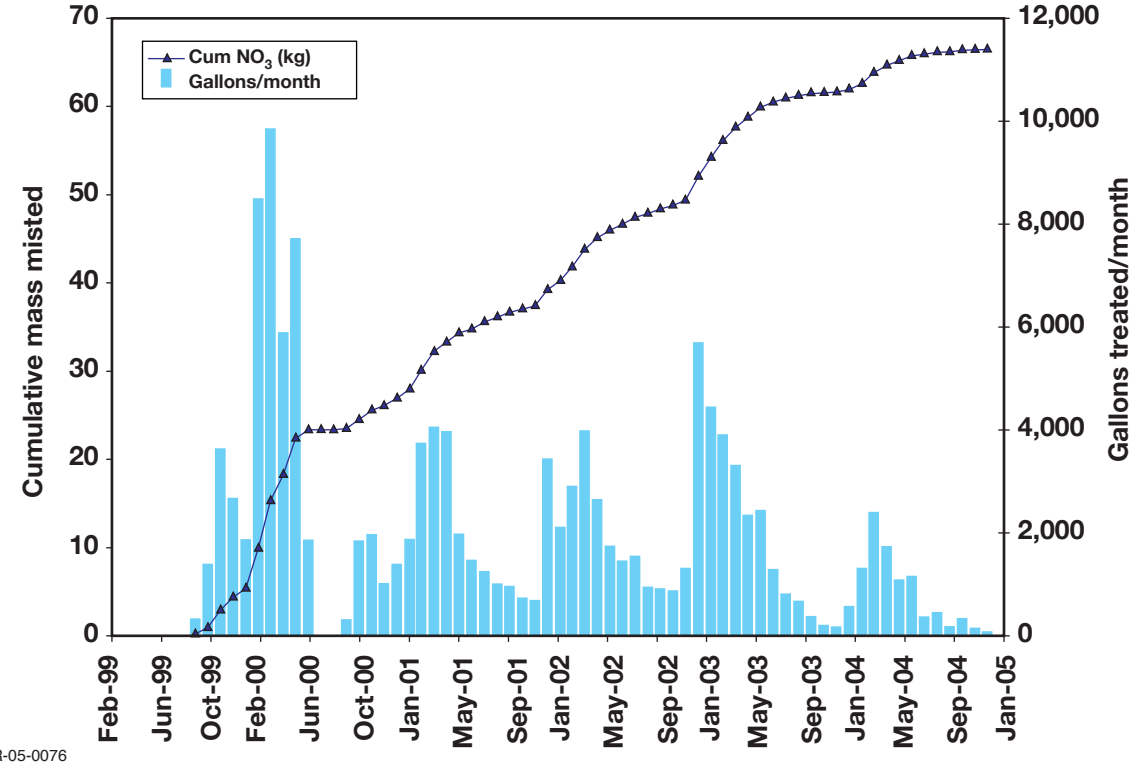


Figure 37. Time-series plot showing aqueous-phase total VOC (TVOC) and perchlorate (ClO_4) mass removal performance for B832-SRC.



ERD-S3R-05-0076

Figure 38. Time-series plot showing aqueous-phase nitrate (NO_3) mass misted to nearby indigenous grasslands at B832-SRC.

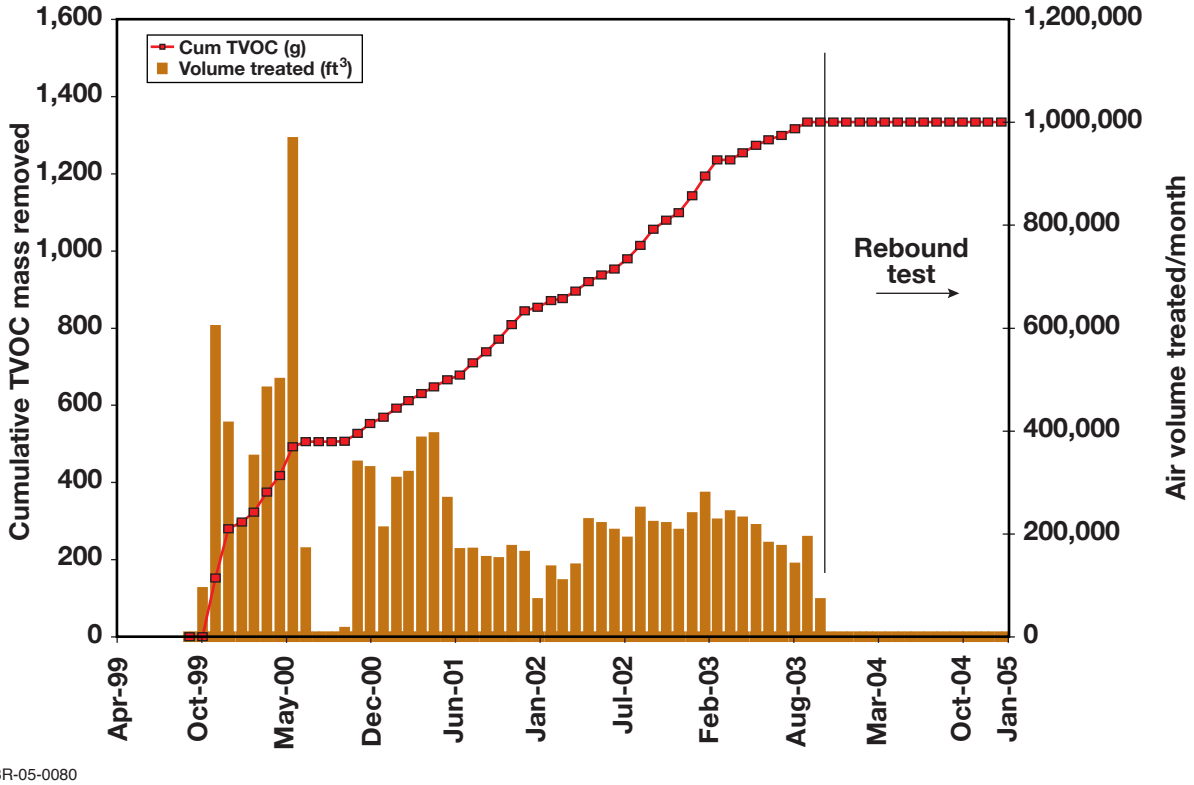


Figure 39. Time-series plot showing vapor-phase total VOC mass removal performance for B832-SRC.

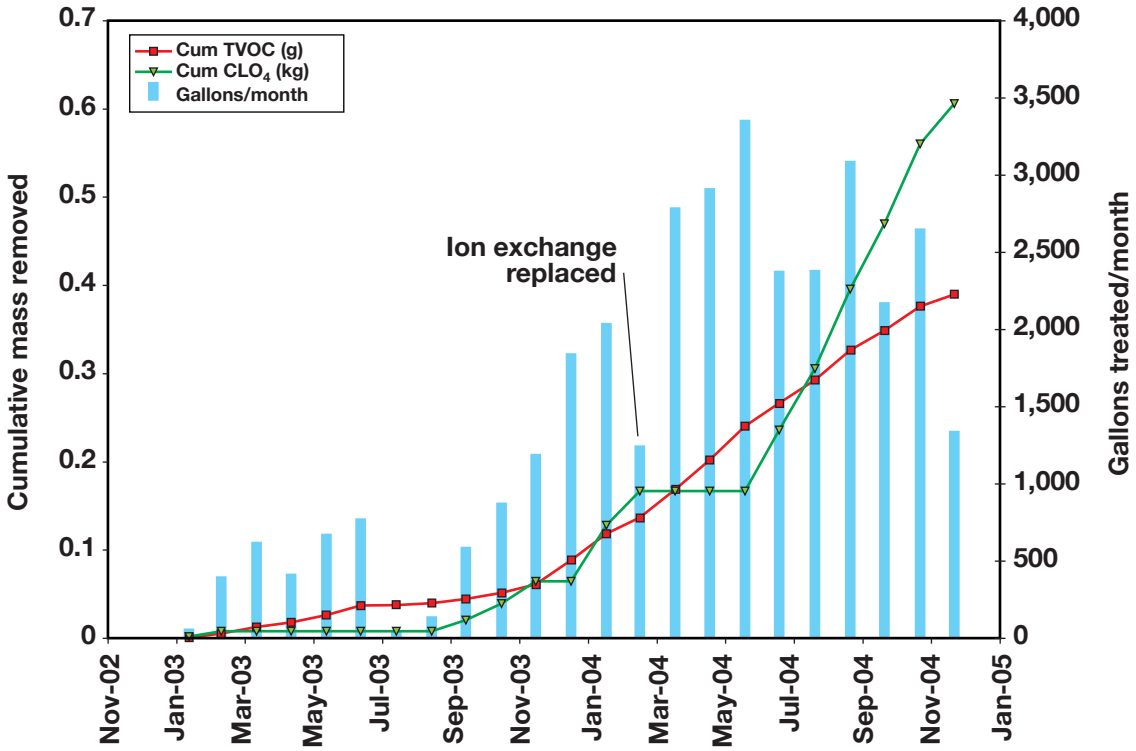
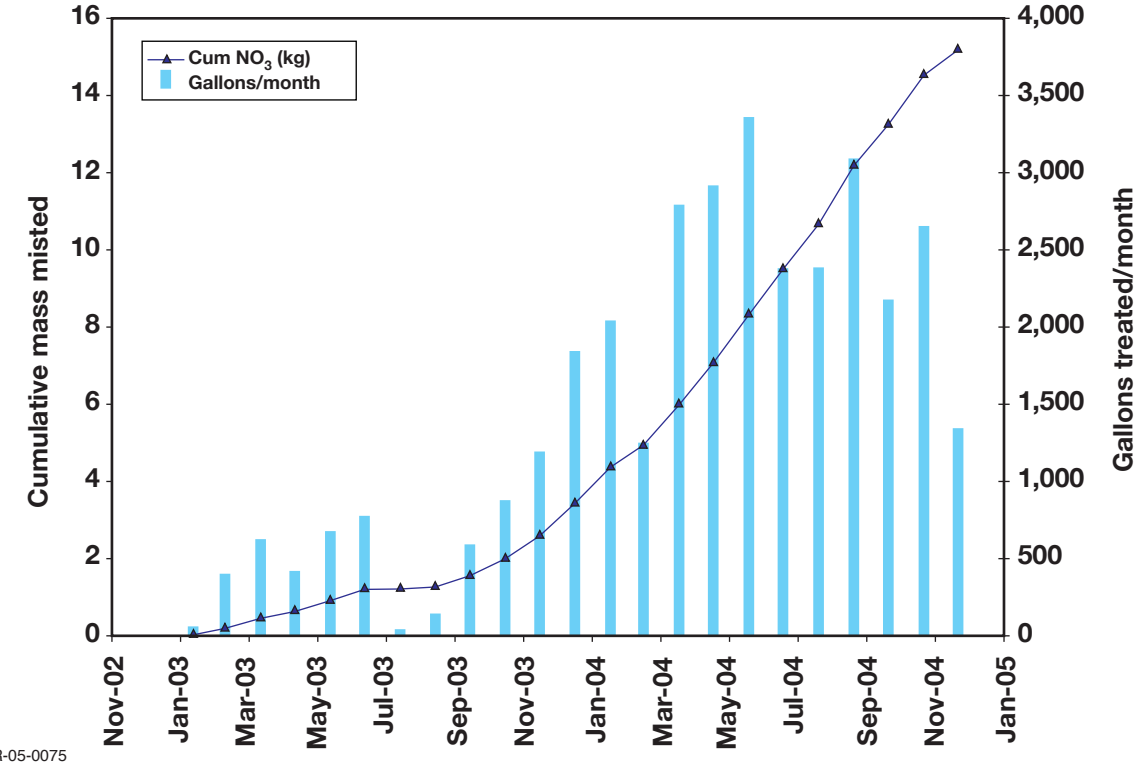


Figure 40. Time-series plot showing aqueous-phase total VOC (TVOC) and perchlorate (ClO_4) mass removal performance for B830-SRC.



ERD-S3R-05-0075

Figure 41. Time-series plot showing aqueous-phase nitrate (NO_3) mass misted to nearby indigenous grasslands at B830-SRC.

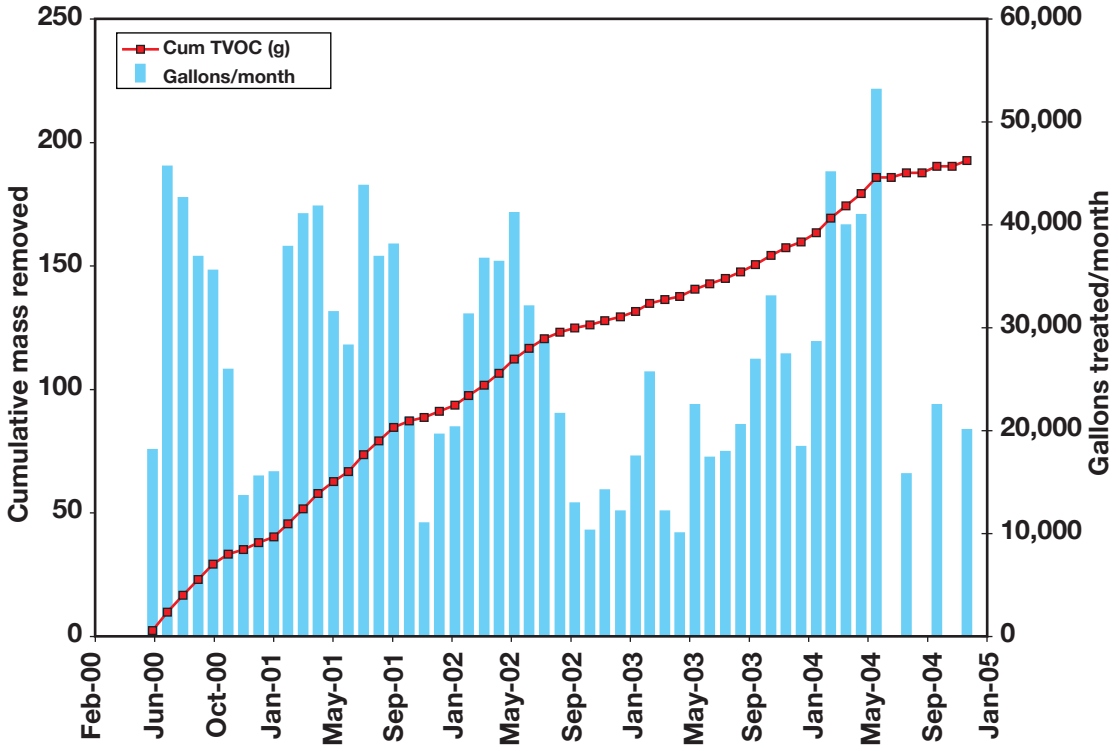
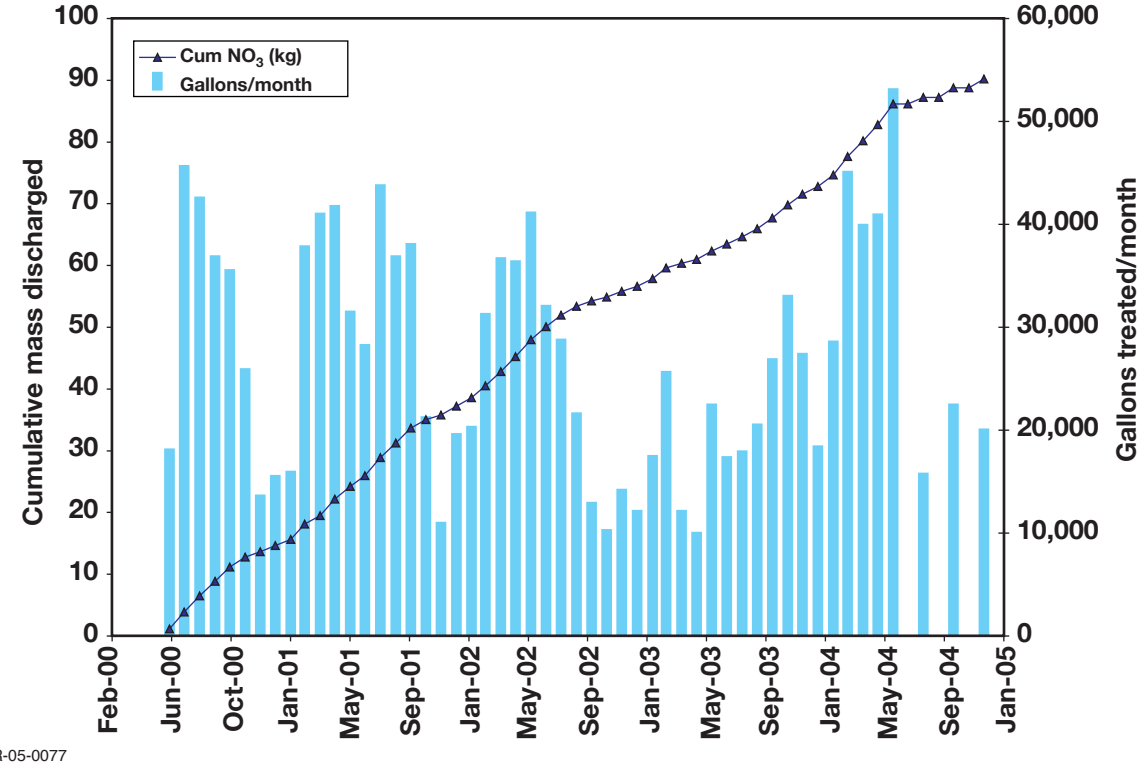


Figure 42. Time-series plot showing aqueous-phase total VOC (TVOC) mass removal performance for B830-PRXN.



ERD-S3R-05-0077

Figure 43. Time-series plot showing aqueous-phase nitrate (NO_3) mass discharged to subsurface trench at B830-PRXN.

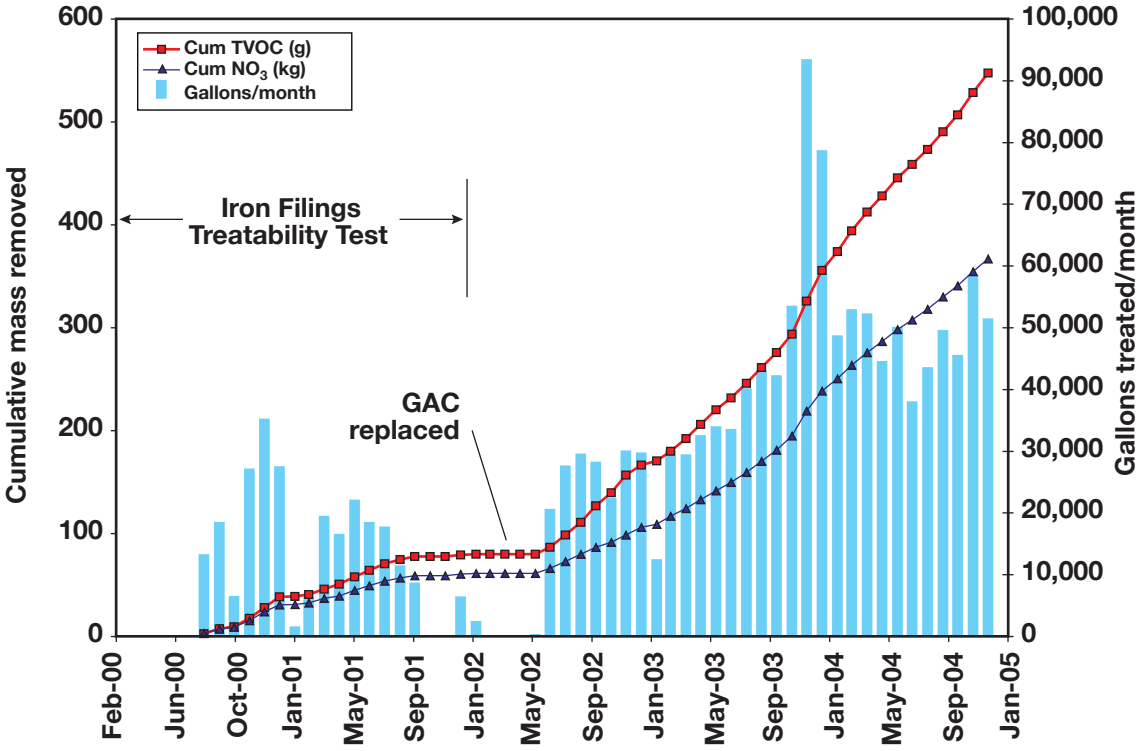


Figure 44. Time-series plot showing aqueous-phase total VOC (TVOC) and nitrate (NO_3) mass removal performance for B830-DISS.

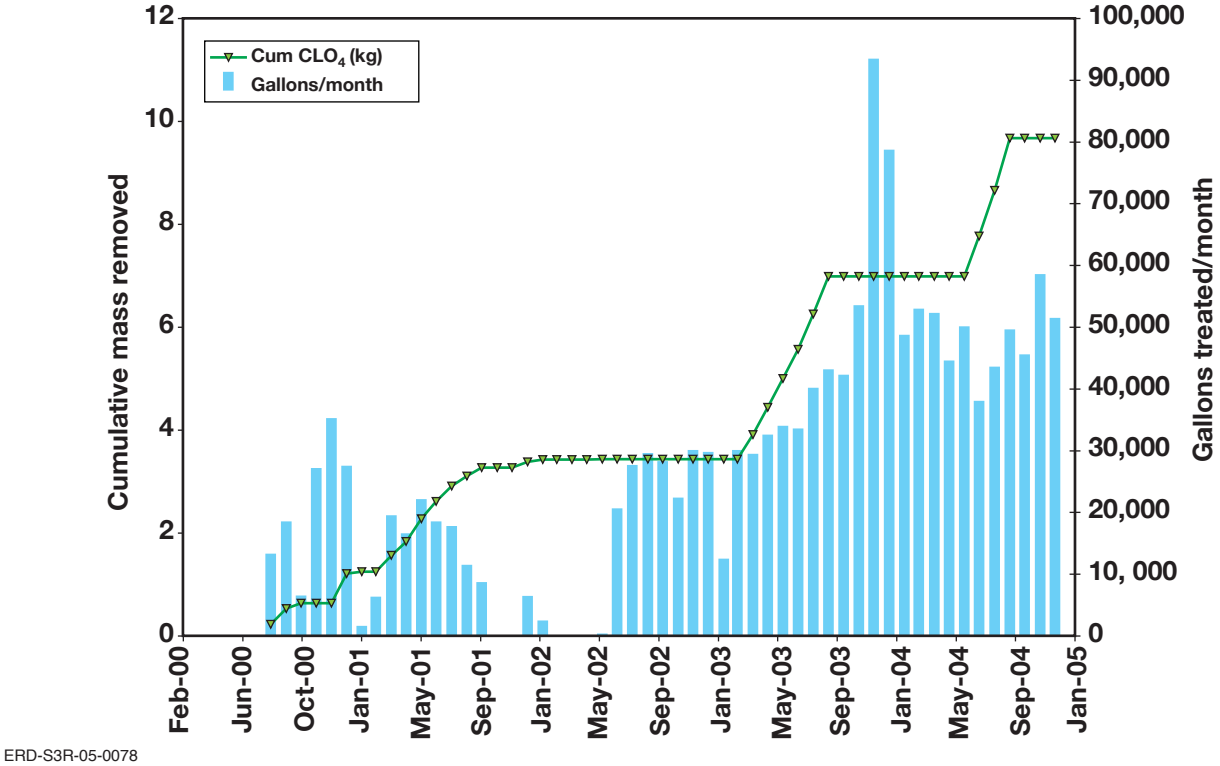


Figure 45. Time-series plot showing aqueous-phase perchlorate (ClO_4) mass removal performance at B830-DISS.

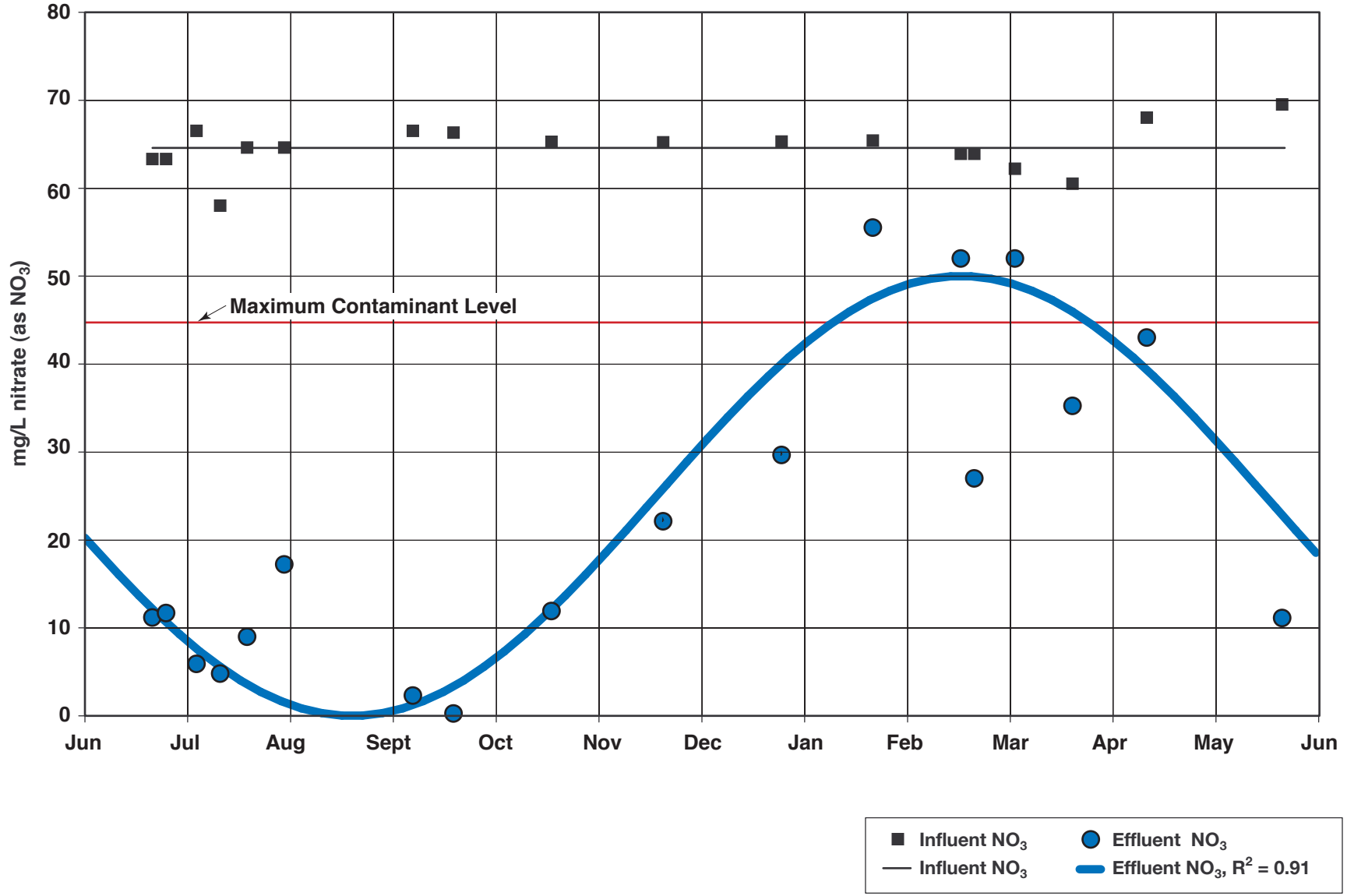


Figure 46. Representative seasonal data, B830 bio-reactor nitrate (NO_3) influent and effluent concentrations for B830-DISS.

Tables

Table 1. Collocated soil and soil vapor results from the SimulProbe sampling at Building 832.

Location	Date	Depth (ft below ground surface)	TCE concentration in soil vapor ($ppm_{v/v}$)[a]	TCE concentration in soil (mg/kg)[b]
W-832-12	02/04/98	5.0	<1.0	<0.0005
W-832-12	02/04/98	10.0	<1.0	<0.0005
W-832-12	02/04/98	15.0	<1.0	0.0043
W-832-12	02/04/98	20.0	1.7	0.0042
W-832-12	02/09/98	25.0	2.3	0.0041
W-832-12	02/09/98	29.5	NS	<0.0005
W-832-12	02/10/98	35.5	NS	0.0018
W-832-13	02/10/98	4.5	NS	<0.0005
W-832-13	02/10/98	5.0	<0.2	NS
W-832-13	02/10/98	10.0	<0.2	0.0063
W-832-13	02/11/98	14.5	NS	0.0440
W-832-13	02/11/98	15.0	1.4	NS
W-832-13	02/11/98	18.5	30.0	0.1000
W-832-13	02/11/98	19.5	22.0	0.0330
W-832-13	02/11/98	22.0	NS	0.0270
W-832-13	02/11/98	22.5	7.3	NS
W-832-13	02/12/98	24.5	NS	0.0037
W-832-13	02/12/98	25.0	3.9	NS
W-832-13	02/12/98	27.5	<0.2	0.0110
W-832-14	02/12/98	5.0	<0.2	<0.0005
W-832-14	02/17/98	7.5	<0.2	<0.0005
W-832-14	02/17/98	10.0	<0.2	<0.0005
W-832-14	02/17/98	12.5	<0.2	<0.0005
W-832-14	02/17/98	15.0	<0.2	0.0015
W-832-14	02/17/98	17.5	NS	0.0009
W-832-14	02/17/98	20.0	<0.2	0.0150
W-832-14	02/17/98	22.5	1.0	0.0590
W-832-15	02/19/98	5.0	<0.2	<0.0005
W-832-15	02/19/98	7.5	<0.2	0.0018
W-832-15	02/20/98	10.0	<0.2	0.0044
W-832-15	02/20/98	12.5	<0.2	0.0160
W-832-15	02/20/98	14.5	1.6	0.0190
W-832-15	02/20/98	17.5	5.0	0.1600
W-832-15	02/23/98	19.5	NS	0.1100
W-832-15	02/23/98	21.5	NS	0.0280
W-832-15	02/23/98	23.5	NS	0.0110
W-832-15	02/23/98	24.5	NS	0.0240
W-832-16	02/23/98	12.5	NS	0.0008
W-832-16	02/24/98	16.7	NS	0.0015
W-832-16	02/24/98	17.2	<0.2	NS
W-832-16	02/24/98	17.5	NS	0.0100

02-06/ERD 832 RD:VM:gl

Table 1. Collocated soil and soil vapor results from the SimulProbe sampling at Building 832. (Cont. Page 2 of 2)

Location	Date	Depth (ft below ground surface)	TCE concentration in soil vapor ($ppm_{v/v}$)[b]	TCE concentration in soil (mg/kg)[b]
W-832-17	02/24/98	12.0	NS	0.0087
W-832-17	02/24/98	14.0	NS	0.0250
W-832-17	02/24/98	15.5	<0.2	0.0350
W-832-17	02/25/98	17.2	<0.2	0.0450
W-832-18	03/03/98	5.0	<0.2	<0.0005
W-832-18	03/03/98	7.0	<0.2	0.0012
W-832-18	03/03/98	10.0	<0.2	0.0020
W-832-18	03/03/98	12.5	0.4	0.0062
W-832-18	03/03/98	15.0	0.5	0.0490
W-832-18	03/03/98	17.5	3.2	0.0310
W-832-18	03/03/98	20.5	13	0.1100
W-832-18	03/03/98	22.5	20	0.0810
W-832-18	03/03/98	25.0	20	0.0380
W-832-19	03/04/98	5.0	<0.2	<0.0005
W-832-19	03/04/98	7.5	<0.2	<0.0005
W-832-19	03/04/98	10.0	<0.2	<0.0005
W-832-19	03/04/98	12.5	<0.2	<0.0005
W-832-19	03/04/98	15.0	<0.2	<0.0005
W-832-19	03/04/98	17.5	<0.2	<0.0005
W-832-19	03/04/98	20.0	<0.2	<0.0005
W-832-19	03/04/98	22.5	<0.2	<0.0005
W-832-19	03/04/98	25.0	<0.2	0.0073
W-832-20	03/05/98	5.0	<0.2	0.0007
W-832-20	03/05/98	7.5	<0.2	0.0006
W-832-20	03/05/98	10.0	<0.2	0.0055
W-832-20	03/05/98	12.5	<0.2	0.0014
W-832-20	03/05/98	14.5	<0.2	0.0078
W-832-20	03/05/98	17.5	1.4	0.0170
W-832-20	03/05/98	20.0	6.2	0.0260
W-832-20	03/05/98	22.5	8.7	0.0730
W-832-20	03/05/98	25.0	NS	0.0370

Notes:

ft = Feet.

mg/kg = Milligrams per kilogram.

NS = No sample was collected.

$ppm_{v/v}$ = Parts per million on a volume-to-volume basis.

TCE = Trichloroethylene.

[a] Soil vapor concentrations were measured using EPA Method TO-14.

[b] TCE concentrations in soil were measured using EPA Method 8010.

Table 2. Summary of hydraulic test data for the Building 832 Canyon OU.

Well ID	HSU	Date	Type of test	Flow rate (Q) (gpm)	Transmissivity (T) (gpd/ft)	Hydraulic conductivity (K) (gpd/sq ft)	Data quality*
W-830-04A	$Tnsc_{1b}$	10/21/86	Drawdown	14.5	1,400	56	Good
W-830-09	Upper $Tnbs_1$	10/21/86	Slug	N/A	25	0.8	Good
W-831-01	Lower $Tnbs_1$	01/09/87	Slug	N/A	90	4.5	Excellent
W-840-01	Lower $Tnbs_1$	01/09/87	Slug	N/A	890	45	Good
W-841-01	Upper $Tnbs_1$	04/08/87	Drawdown	1.0	91	6.5	Fair
W-830-05	$Tnsc_1$	05/08/87	Slug	N/A	670	45	Fair
W-832-15	$Tnsc_{1b}$	03/12/98	Drawdown	0.9	230	21	Fair
W-830-49	$Tnsc_{1b}$	11/10/98	Drawdown	0.7	16	0.8	Poor
W-830-10	$Tnsc_{1b}$	11/19/98	Drawdown	7.5	9,600	960	Fair
W-830-52	$Tnsc_{1b}$	06/08/99	Artesian Flow	4.0	9,500	950	Fair
W-830-51	$Tnsc_{1b}$	06/10/99	Artesian Flow	5.0	6,700	670	Fair
W-830-53	$Tnsc_{1b}$	06/11/99	Artesian Flow	0.5	4,300	220	Fair
W-830-57	Upper $Tnbs_1$	01/18/00	Drawdown	4.5	610	31	Good

Notes:

gpd/sq ft = Gallons per day per square feet.
gpm = Gallons per minute.
HSU = Hydrostratigraphic unit.
Lower $Tnbs_1$ = Lower member of the Neroly lower blue sandstone, below claystone marker bed (regional aquifer).
NA = Not applicable.
OU = Operable unit.
$Tnsc_1$ = Miocene Neroly Formation – middle siltstone/claystone member.
$Tnsc_{1b}$ = Sandstone body within the $Tnsc_1$ Neroly middle siltstone/claystone.
Upper $Tnbs_1$ = Upper member of the Neroly lower blue sandstone, above claystone marker bed.

***Data Quality**

Excellent	High confidence that type curve match is unique. Data are smooth and flow rate well controlled.
Good	Some confidence that curve match is unique. Data are not too "noisy." Well bore storage effects, if present, do not significantly interfere with the curve match. Boundary effects can be separated from properties of the pumped zone.
Fair	Low confidence that curve match is unique. Data are "noisy." Multiple leakiness and other boundary effects tend to obscure the curve match.
Poor	Unique curve match cannot be obtained due to multiple boundaries, well bore storage, uneven flow rate, or equipment problems. Usually, the test is repeated.

Table 3. Existing and proposed extraction well specifications.

B830-SRC existing extraction wells	Date completed	Casing depth (ft bgs)	Screen interval (ft bgs)	Sand-pack interval (ft bgs)	HSU	Current yield (gpm)	Most recent TCE (μg/L)	Most recent ClO_4 (μg/L)	Most recent NO_3 (mg/L)
W-830-19	06/11/96	47.0	36.5-46.5	32-46	$Tnsc_{1b}$	0.01	5,000	10	156
W-830-59	03/14/00	61.9	41-61	36.7-63	$Tnsc_{1b}$	0.03	2,300	<4	83.3
W-830-1807	08/13/02	38.5	18-38	15-40	$Tnsc_{1b}$	0.03	2,200	<4	84.3
B830-SRC proposed extraction wells	**Date completed**	**Casing depth (ft bgs)**	**Screen interval (ft bgs)**	**Sand-pack interval (ft bgs)**	**HSU**	**Expected yield (gpm)**	**Most recent TCE (μg/L)**	**Most recent ClO_4 (μg/L)**	**Most recent NO_3 (mg/L)**
W-830-25[a]/TBD3	08/08/96	24.0	19-24	15-25	$Tnsc_{1b}$	Unknown, replacement well will be tested.[b]	560	11	90
W-830-28[a]/TBD2	09/12/96	64.5	54-64	50-66	$Tnsc_{1b}$	Unknown, replacement well will be tested.[b]	50	< 4	8
W-830-34[a]/TBD1	10/03/96	26.0	15.5-25.5	12-25.5	Qal/WBR	Similar to W-830-1807.[c]	1,300	< 4	110
W-830-49	10/28/97	44.8	24.4-44.4	21.3-45	$Tnsc_{1b}$	0.5[d]	9,500	< 4	150
W-830-57	11/23/99	78.3	57.5-77.5	56-80	U $Tnbs_1$	1.3	30	6	17
W-830-60	03/00/02	120.0	95-110	91-112	U $Tnbs_1$	Unknown, replacement well will be tested.[e]	32	< 4	12
W-830-18[a]/TBD4	04/17/96	174	96-105.8	90-113	U $Tnbs_1$	Unknown, replacement well will be tested.[e]	5.4[f]	< 4	< 5
B832-SRC existing extraction wells	**Date completed**	**Casing depth (ft bgs)**	**Screen interval (ft bgs)**	**Sand-pack interval (ft bgs)**	**HSU**	**Current yield (gpm)**	**Most recent TCE (μg/L)**	**Most recent ClO_4 (μg/L)**	**Most recent NO_3 (mg/L)**
W-832-12	02/26/98	26.0	16-26	14-26	$Tnsc_{1b}$	0.01	60	8.3	131
W-832-15	02/26/98	25.0	14-25	12-25	$Tnsc_{1b}$	0.02	33	15	129
B832-SRC proposed extraction wells	**Date completed**	**Casing depth (ft bgs)**	**Screen interval (ft bgs)**	**Sand-pack interval (ft bgs)**	**HSU**	**Expected yield (gpm)**	**Most recent TCE (μg/L)**	**Most recent ClO_4 (μg/L)**	**Most recent NO_3 (mg/L)**
W-832-01	08/23/94	37.7	27.7-37.7	23.5-38.6	$Tnsc_{1b}$	0.1	160	6.4	93
W-832-10	10/13/97	36.0	26-36	23-36	$Tnsc_{1b}$	0.02	200	8.6	72
W-832-11	10/22/97	35.0	25-35	22.8-36	$Tnsc_{1b}$	0.05	130	7	79
W-832-TBD1	to be drilled				$Tnsc_{1b}$	0.02			
B830-DISS existing extraction wells	**Date completed**	**Casing depth (ft bgs)**	**Screen interval (ft bgs)**	**Sand-pack interval (ft bgs)**	**HSU**	**Current yield (gpm)**	**Most recent TCE (μg/L)**	**Most recent ClO_4 (μg/L)**	**Most recent NO_3 (mg/L)**
W-830-51	03/10/99	50.3	40-50	37-52	$Tnsc_{1b}$	0.5	89	6	61.3
W-830-52	03/24/99	52.3	42-52	38-54	$Tnsc_{1b}$	0.5	87	6.7	64.5
W-830-53	04/28/99	74.5	54-74	50-76	$Tnsc_{1b}$	0[g]	82	6	53.7

Notes appear on following page.

Table 3. Existing and proposed extraction well specifications. (Cont. Page 2 of 2)

Notes:

bgs = Below ground surface.
ClO_4 = Perchlorate.
DISS = Distal south.
ft = Feet.
GF = Grundfos pump.
HSU = Hydrostratigraphic unit.
NO_3 = Nitrate.
mg/L = Milligrams per liter.
NP = No pump.
PB = Polyethylene Bailer.
Qal/WBR = Quaternary alluvium/Weathered bedrock.
SRC = Source.
TBD1,2,3,4 = To be drilled.
TCE = Trichloroethylene.
$Tnsc_1$ = Miocene Neroly Formation – middle siltstone/claystone member.
$Tnsc_{1b}$ = Sandstone body within the $Tnsc_1$ Neroly middle siltstone/claystone.
µg/L = Micrograms per liter.
U $Tnbs_1$ = Upper member of the Neroly lower blue sandstone, above claystone marker bed.

[a] New extraction wells will be installed in the immediate vicinity of these existing wells. The new wells will be fully penetrating, completed with 5-inch casing, and screened across the maximum estimated extent of saturation in the well.
[b] A value of 0.25 gpm was used in capture zone and mixed tank modeling.
[c] A value of 0.03 gpm was used in capture zone and mixed tank modeling.
[d] Based on drawdown test.
[e] A value of 1 gpm was used in capture zone and mixed tank modeling.
[f] The data in this well are suspect. Three-casing volume sampling will be conducted to determine concentrations.
[g] Not currently flowing.

Table 4a. Parameters used in the WinFlow model.

HSU	Model area	Hydraulic conductivity (ft/day)	Average HSU thickness (ft)	Gradient (ft/ft)	Flow direction	Porosity
$Tnsc_{1b}$	B832-SRC	0.1	20	0.055	S–SW	0.25
	B830-SRC	1.0	23	0.048	S–SW	0.25
	B830-DISS	1.0	23	0.059	S–SE	0.25
Upper $Tnbs_1$		1.0	75	0.025	S–SE	0.25
Lower $Tnbs_1$		4.0	350	0.02	S–SE	0.25

Table 4b. Parameters used in the mixed tank model.

HSU	Model area	Volume of contaminated ground water (liter)	Average TVOC concentration (μg/L)	Estimated extraction flow rate (liter/year)	Decay rate (1/year)	Retardation coefficient
$Tnsc_{1b}$	B832-SRC	1.19E+07	100	4.38E+05	0.014	1.5
	B830-SRC	1.88E+07	2,900	2.19E+06	0.014	1.5
	B830-DISS	2.12E+08	100	1.99E+06	0.014	1.5
Upper $Tnbs_1$		4.40E+08	30	6.57E+06	0.014	1.5

Notes:

DISS = Distal south.

ft = Feet.

HSU = Hydrostratigraphic unit.

Lower $Tnbs_1$ = Lower member of the Neroly lower blue sandstone, below claystone marker bed (regional aquifer).

μg/L = Micrograms per liter.

S = South.

SE = Southeast.

SRC = Source.

SW = Southwest.

$Tnsc_{1b}$ = Sandstone body within the $Tnsc_1$ Neroly middle siltstone/claystone.

TVOC = Total volatile organic compound.

Upper $Tnbs_1$ = Upper member of the Neroly lower blue sandstone, above claystone marker bed.

Table 5. Design specifications for the Building 832 OU treatment facilities.

Treatment facility	Treatment type	Extraction wells	Average ground water extraction rate (gal/month)	Most recent concentration			Discharge method
				TCE (μg/L)	ClO_4 (μg/L)	NO_3 (mg/L)	
B832-SRC	Aq GAC/IX	W-832-12	1,500	60	8	130	Misting
		W-832-13	0	16	11	70	
		W-832-14	0	32	10	86	
		W-832-15	4,500	33	15	129	
		W-832-16	0	11	9	<4	
		W-832-17	0	10	<4	26	
		W-832-18	0	130	<4	36	
		W-832-20	0	75	4.5	46	
		W-832-22	0	–	–	–	
B832-SRC Expansion		W-832-10	40,000	93	6.6	74	
		W-832-11	8,000	99	6.2	73	
		W-832-01	8,000	210	6.6	80	
		W-832-TBD1	unknown	unknown	unknown	unknown	
B832-SRC Facility Total			62,000				
B830-SRC	Aq GAC/IX	W-830-59	600	2,300	<4	83.3	Misting
		W-830-1807	1,500	2,200	<4	84.3	
		W-830-19	1,000	5,000	10	56	
B830-SRC Expansion		W-830-25/TBD3	10,800[a]	560	11	82	
		W-830-28/TBD2	10,800[a]	50	<4	9.1	
		W-830-57	43,000	30	<4	17	
		W-830-49	20,000[a]	9,500	<4	150	
		W-830-34/TBD1	1,500[a]	1,300	<4	110	
		W-830-18/TBD4	43,000[a]	5.4	<4	<5	
		W-830-60	43,000[a]	27	<4	12	
B830-SRC Facility Total			175,000				

Table 5. Design specifications for the Building 832 OU treatment facilities. (Cont. Page 2 of 2)

Treatment facility	Treatment type	Extraction wells	Average ground water extraction rate (gal/month)	Most recent concentration			Discharge method
				TCE (μg/L)	ClO_4 (μg/L)	NO_3 (mg/L)	
B830-PRXN[b]	Aq GAC	W-830-57	20,000	30	0	17	Infiltration
B830-DISS South	Aq GAC/BIO/IX	W-830-51	13,000	89	6	61.3	Surface discharge
		W-830-52	30,000	87	6.7	64.5	
		W-830-53	0	82	6	53.7	
B830-DISS Expansion		W-830-51	43,000	89	6	61.3	
		W-830-52	130,000	87	6.7	64.5	
		W-830-53	43,000	82	6	53.7	
B830-DISS Facility Total			216,000				
Discharge Criteria				<0.5	<4	45 (surface discharge)	
Regulatory Standard				5 (MCL)	4 (MCL)	45 (MCL)	

Notes:

Aq GAC = Aqueous-phase granular activated carbon.
BIO = Bioreactor.
ClO_4 = Perchlorate.
DISS = Distal south.
ft = Feet.
gpm = Gallons per minute
IX = Ion exchange.
Lower $Tnbs_1$ = Lower member of the Neroly lower blue sandstone, below claystone marker bed (regional aquifer).
MCL = Maximum Contaminant Level.
μg/L = Micrograms per liter.
mg/L = Milligrams per liter.
OU = Operable unit.
S = South.
SE = Southeast.
SRC = Source.
SW = Southwest.
TVOC = Total volatile organic compound.
TCE = Trichloroethylene.

[a] Estimated flow.

[b] B830-PRXN extraction well W-830-57 will be added to B830-SRC expanded extraction wellfield in 2006. Use of B830-PRXN facility will then be discontinued.

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Table 6. Treatment facility engineering data for Building 832-Source.

Existing Facility Capabilities	– Ground water extraction from 9 wells – Soil vapor extraction from 9 wells – Ground water and soil vapor treatment with GAC and ion-exchange resin – Extraction well isolation (water and vapor) – Removal of VOCs and perchlorate from ground water – Removal of VOCs from soil vapor – Dispersion of nitrate to grasslands
Existing Flow Rate	About 1,000 gal per month.
Existing Treatment Capacity	About 800,000 gal per month (20 gpm).
Existing Vapor Extraction Flow Rate	About 4 scfm.
Existing Vapor Treatment Capacity	About 20 scfm.
Existing Extraction Wells	Wells W-832-12, W-832-13, W-832-14, W-832-15, W-832-16, W-832-17, W-832-18, W-832-20, W-832-22.
Existing Extraction Well Pump Type	Pneumatic Displacement. AP4B-S QED AutoPump, bottom inlet.
Water Flow Meters	Badger 3/4" positive displacement meter.
Existing water conveyance line	PE tubing, steel pipe, PVC pipe.
Particulate Filter	Cuno Model 12DC3, 150 psi rated.
Treatment Media	– Three 200-lb aqueous-phase GAC canisters in series. Max 12 psi, 15 gpm. – Three 150-lb vapor-phase GAC canisters in series. Max 12 psi, 300 scfm. – Two fiber wound vessels with SR7 ion-exchange resin. Max 150 psi, 10 gpm.
Insulated carbon housing	Sahara Electric Hot Box, Model 6E04-CS. Four 55-gal drum capacity.
Holding Tank	Polyethylene, 150 gal.
PLC	OPTO-22 Snap I/O system.
Expansion Facility Requirements	– Extract ground water from three wells – Convey ground water to existing treatment facility – Flow rates from extraction wells range from <0.5 to 1 gpm – No additional electrical power – No interlocks – Use existing compressed air supply – Minimize impact to B832 activities
Expected Groundwater Extraction Rate with Expansion	About 50,000 gallons per month.
Proposed Expansion Extraction Wells	Wells W-832-10, W-832-11, W-832-01. New well W-832-TBD1.
Proposed Extraction Well Pump Type	Pneumatic Displacement. AP4B-S QED AutoPump, bottom inlet.
Expansion water conveyance line	Copper.

Notes appear on following page.

Table 6. Treatment facility engineering data for Building 832-Source. (Cont. Page 2 of 2)

Notes:

GAC = Granular activated carbon.
gal = Gallons.
gpm = Gallons per minute.
I/O = Input/output.
lb = Pound(s).
Max = Maximum.
psi = Parts per square inch.
PE = Polyethylene.
PLC = Programmable logic controller.
PVC = Polyvinyl chloride.
scf = Standard cubic feet.
scfm = Standard cubic feet per minute.
VOCs = Volatile organic compounds.

Table 7. Treatment facility engineering data for Building 830-Source.

Existing Facility Capabilities	– Ground water extraction from 3 wells – Soil vapor extraction from 1 well – Ground water and soil vapor treatment with GAC and ion-exchange resin – Extraction well isolation (water and vapor) – Removal of VOCs and perchlorate from ground water – Removal of VOCs from soil vapor – Dispersion of nitrate to grasslands
Existing Flow Rate	About 2,500 gal per month.
Existing Treatment Capacity	About 20 gpm (150,000 gal per month).
Existing Vapor Extraction Flow Rate	About 0 scf/month.
Existing Vapor Treatment Capacity	About 20 scfm.
Existing Extraction Wells	Wells W-830-59, W-830-1807, W-830-19.
Existing Extraction Well Pump Type	Electric Positive Displacement, ShurFlo, 24 VDC.
Water Flow Meters	Rosemount magnetic tube mass flow meter.
Existing water conveyance line	PVC pipe, Steel Pipe.
Particulate Filter	Cuno Model 12DC3, 150 psi rated.
Treatment Media	– Three 200-lb aqueous-phase GAC canisters in series. Max 12 psi, 15 gpm. – Three 150-lb vapor-phase GAC canisters in series. Max 12 psi, 300 scfm. – Two fiber wound vessels with SR7 ion-exchange resin. Max 150 psi, 10 gpm.
Insulated carbon housing	Sahara Electric Hot Box, Model 6E04-CS. Four 55-gal drum capacity. Vapor phase only.
Holding Tank	Polyethylene, 150 gal.
PLC	OPTO-22 Snap I/O system.
Expansion Facility Requirements	– Extract ground water from six additional wells – Convey ground water to existing treatment facility – Flow rates from extraction wells range from <0.5 to 2 gpm – Remove existing B830-Proximal Facility
Expected Groundwater Extraction Rate with Expansion	About 150,000 gal per month.
Proposed Expansion Extraction Wells	Wells W-830-25TBD3, W-830-18TBD4, W-830-28TBD2, W-830-57, W-830-49, W-830-34TBD1, W-830-60.
Proposed Extraction Well Pump Type	Electric Positive Displacement.
Expansion water conveyance line	Copper.

Notes appear on following page.

Table 7. Treatment facility engineering data for Building 830-Source. (Cont. Page 2 of 2)

Notes:

Equipment is as specified or equivalent.

GAC = Granular activated carbon.

gal = Gallons.

gpm = Gallons per minute.

I/O = Input/output.

lb = Pound(s).

Max = Maximum.

psi = Parts per square inch.

PVC = Polyvinyl chloride.

scf = Standard cubic feet.

scfm = Standard cubic feet per minute.

VDC = Volts direct current.

VOCs = Volatile organic compounds.

Table 8. Treatment facility engineering data for Building 830-Proximal North.

Existing Facility Capabilities	**– Ground water extraction from 1 well** **– Ground water treatment with GAC** **– Removal of VOCs from ground water** **– Infiltration of nitrate bearing water to subsurface**
Existing Flow Rate	**About 500 to 1,500 gal/day.**
Existing Treatment Capacity	**About 5 gpm (7,200 gal/day).**
Existing Extraction Wells	**Well W-830-57.**
Existing Extraction Well Pump Type	**Electric Positive Displacement, ShurFlo, 24 VDC.**
Water Flow Meter	**Badger 3/4" positive displacement meter.**
Existing water conveyance line	**PVC pipe.**
Particulate Filter	**Cuno plastic single 10" cartridge filter.**
Treatment Media	**Three 200-lb aqueous phase granular activated carbon canisters in series. Max 12 psi, 15 gpm.**

Notes:

GAC = Granular activated carbon.
Gal = Gallons.
gpm = Gallons per minute.
lb = Pound(s).
psi = Parts per square inch.
PVC = Polyvinyl chloride.
VDC = Volts direct current.
VOCs = Volatile organic compounds.

Table 9. Treatment facility engineering data for Building 830-Distal South.

Existing Facility Capabilities	– Ground water extraction from 3 wells – Artesian driven ground water extraction and treatment – Ground water treatment with GAC, ion-exchange resin and bioreactor – Removal of VOCs, perchlorate, and nitrate from ground water.
Existing Flow Rate	About 65,000 gal per month (1.5 gpm).
Existing Treatment Capacity	About 65,000 gal per month (1.5 gpm).
Existing Extraction Wells	Wells W-830-51, W-830-52, W-830-53.
Existing Extraction Well Pump Type	No pumps. Artesian Flow.
Water Flow Meters	Badger 3/4" positive displacement meters at well heads.
Water Flow Meters	Badger 1" positive displacement meter at facility.
Existing water conveyance line	PVC pipe (UV resistant).
Particulate Filter	Cuno Model 12DC3, 150 psi rated.
Treatment/Adsorptive Media	– Three 200-lb aqueous phase granular activated carbon canisters in series. Max 12 psi, 15 gpm. – Two fiber wound vessels with SR7 ion-exchange resin. Max 150 psi, 10 gpm. – Two fiber wound vessels with SR7 ion-exchange resin. Max 150 psi, 10 gpm.
Bioreactor	– One 1,200-gal high tank with gravel. – Two 350-gal tanks with gravel. – Acetic acid holding tank, 30 gal. – Acetic acid pump: Watson-Marlow Bredel Alitea series 400 peristaltic pump, 24 VDC with calibration tube, solar panel array, batteries and controller.
Expansion Facility Requirements	Allow artesian wells to flow up to a maximum of 5 gpm. – Expand existing treatment capacity and increase efficiency – Add two 12,000-gal tanks and water heaters
Expected Groundwater Extraction Rate with Expansion	About 200,000 gal per month.
Proposed Treatment Facility Modification	Additional bio-reactors and heaters.

Notes appear on the following page.

Table 9. Treatment facility engineering data for Building 830-Distal South. (Cont. Page 2 of 2)

Notes:
Equipment is as specified or equivalent.

diam. = Diameter.
GAC = Granular activated carbon.
Gal = Gallons.
gpm = Gallons per minute.
lb = Pound(s).
psi = Parts per square inch.
PVC = Polyvinyl chloride.
UV = Ultraviolet.
VDC = Volts direct current.
VOCs = Volatile organic compounds.

Table 10. Summary of treatment facility mass removal performance.

Treatment facility	Volume of ground water treated (gal)	Volume of soil vapor treated (ft^3)	Estimated total VOC mass removed (kg)	Estimated total perchlorate mass removed (kg)	Estimated total nitrate mass removed (kg)
B832-SRC GWTS	131,803	NA	0.034	0.0046	66.5
B832-SRC SVE	NA	11,902,910	1.33	NA	NA
B830-SRC GWTS	43,411	NA	0.42	0.0006	15.2
B830-PRXN GWTS	1,419,056	NA	0.193	NA	NA
B830-DISS GWTS	1,508,189	NA	0.547	.0097	366.9
Total	3,102,459	11,902,910	2.52	0.0149	448.6

Table 11. Summary of mass removal for $Tnsc_{1b}$ and Upper $Tnbs_1$ HSUs.

HSU	Volume of ground water treated (gal)	Volume of soil vapor treated (ft^3)	Estimated total VOC mass removed (kg)	Estimated total perchlorate mass removed (kg)	Estimated total nitrate mass removed (kg)
$Tnsc_{1b}$	1,683,403	11,902,910	2.33	0.0149	448.6
Upper $Tnbs_1$	1,419,056	NA	0.193	NA	NA
Total	3,102,459	11,902,910	2.52	0.0149	448.6

Notes:

B830 = Building 830.
B832 = Building 832.
SRC = Source.
PRXN = Proximal-North.
DISS = Distal south.
ft^3 = Cubic feet.
kg = Kilograms.
gal = Gallons.
HSU = Hydrostratigraphic unit.
NA = Not applicable.
GWTS = Ground water treatment system.
SVE = Soil vapor extraction.
$Tnsc_{1b}$ = Sandstone body within the $Tnsc_1$ Neroly middle siltstone/claystone.
Upper $Tnbs_1$ = Upper member of the Neroly lower blue sandstone, above claystone marker bed.
VOC = Volatile organic compound.

No mass was reported in Table 10 for the B830-SRC SVE system because it was in the testing phase.

Table 12. Building 832 Canyon OU remedial action and document schedule.

Activity	Completion date
Building 832-Source GTU Startup	September 28, 1999
Building 832-Source SVE Startup	October 21, 1999
Building 830-Proximal North Startup	June 1, 2000
Building 830-Distal South Startup	July 27, 2000
Building 830-Source GTU Startup	February 26, 2003
Building 830-Source SVE Startup	May 9, 2003
Building 832-Source Expansion (phase I)	September 30, 2005
Building 830-Source Expansion	September 29, 2006
Building 832-Source Expansion (phase II)	September 28, 2007
Building 830-Distal South Modification	September 28, 2007
Draft Building 832 Five-Year Review	February 23, 2011
Draft Final Building 832 Five-Year Review	July 7, 2011
Final Building 832 Five-Year Review	August 5, 2011

Notes:

GTU = Ground water treatment unit.

OU = Operable unit.

RD = Remedial Design.

SVE = Soil vapor extraction.

Table 13. Cost estimate for wellfield expansion and facility O&M at Building 832-Source.

Activity	Sub-Activity	Parameter	Quantity	Unit	Direct Capital ($)	Indirect Capital ($)	Annual O&M($)
System Design							
	Design	Labor	8	days		$7,042	
	Procurement	Labor	4	days		$3,770	
	Design Reviews	Labor	8	days		$6,832	
	Permits	Labor	2	days		$2,075	
	Hydraulic testing	Labor	6	days		$5,655	
				Sub Totals:	$0	$25,374	$0
System Construction							
	Site Prep	Labor	17	days		$11,225	
				total			
	Pipeline	Labor	39	days		$24,856	
		Materials/ Equipment	all	total	$10,388		
	Wellheads/pumps/controls	Labor	13	days		$8,726	
		Materials/ Equipment	all	total	$3,505		
	New Extraction Wells	Contract	1	total	$32,100		
				Sub Totals:	$45,993	$44,806	$0
Facility Startup							
	Leak Check and Optimization	Labor	7	days		4814	
	Sampling	Labor	4	days		2204	
	Analytical	Contract	1	total	$535		
				Sub Totals:	$535	$7,018	$0
Operations and Maintenance							
	Materials, Equipment, Contracts	Sampling equipment, Analytical	1	cy			$52,630
	O&M Labor	Sampling, Reporting and Management	62	days			$123,529
		Maintenance	300	days			$52,941
				Sub Totals:	$0	$0	$229,100
			Assumed interest rate = 5% (30 year design life)				
				Total Costs (net present value):	$3,646,000		

Table 14. Cost estimate for wellfield expansion and facility O&M at Building 830-Source.

Activity	Sub-Activity	Parameter	Quantity	Unit	Direct Capital ($)	Indirect Capital ($)	Annual O&M($)
System Design							
	Design	Labor	13	days		$11,661	
	Procurement	Labor	9	days		$7,794	
	Design Reviews	Labor	13	days		$11,505	
	Permits	Labor	8	days		$7,303	
	Hydraulic testing	Labor	20	days		$18,849	
				Sub Totals:	$0	$57,113	$0
System Construction							
	Site Prep	Labor	14	days		$8,656	
		Materials/ Equipment	all	total	$535		
	Pipeline	Labor	35	days		$22,033	
		Materials/ Equipment	all	total	$6,892		
	Wellheads/pumps/controls	Labor	25.5	days		$21,895	
		Materials/ Equipment	all	total	$5,404		
	New Extraction Wells	Contract	5	total	$160,500		
				Sub Totals:	$173,331	$52,584	$0
Facility Startup							
	Leak Check and Optimization	Labor	14.5	days		$10,113	
	Sampling	Labor	3.5	days		$2,204	
	Analytical	Contract	all	total	$535		
				Sub Totals:	$535	$12,316	$0
Operations and Maintenance							
	Materials, Equipment, Contracts	Sampling equipment, Analytical	1	cy			$38,565
	O&M Labor	Sampling and Reporting	62	days			$113,985
		Maintenance	300	days			$48,851
				Sub Totals:	$0	$0	$201,400
			Assumed interest rate = 5% (30 year design life)				
				Total Costs (net present value):	$3,392,000		

Table 15. Cost estimate for treatment facility modification and facility O&M at Building 830-Distal South.

Activity	Sub-Activity	Parameter	Quantity	Unit	Direct Capital ($)	Indirect Capital ($)	Annual O&M($)
System Design							
	Design	Labor	15	days		$13,546	
	Procurement	Labor	12	days		$10,622	
	Design Reviews	Labor	11	days		$9,621	
	Permits	Labor	7	days		$6,361	
				Sub Totals:	$0	$40,149	$0
System Construction							
	Site Prep/retaining wall	Labor	28	days		$18,837	
		Materials/ Equipment	all	total	$8,560		
	Piping/Tanks/Heaters	Labor	31	days		20828	
		Materials/ Equipment	all	total	$13,007		
	Electricałcontrols	Labor	12	days		8559	
				Sub Totals:	$21,567	$48,223	$0
Facility Startup							
	Leak Check and Optimization	Labor	15	days		10113	
	Sampling	Labor	2	days		1049	
	Analytical	Contract	1	total	$321		
				Sub Totals:	$321	$11,162	$0
Operations and Maintenance							
	Materials, Equipment, Contracts	Sampling equipment, Analytical	1	cy			$ 35,565.00
	O&M Labor	Sampling and Reporting	145	days			$ 78,634.50
		Maintenance	62	days			$ 33,700.50
				Sub Totals:	$0	$0	$147,900
		Assumed interest rate = 5% (30 year design life)					
				Total Costs (net present value):	$2,280,000		

Appendix A

Construction Quality Assurance/ Quality Control Plan

Appendix A

Construction Quality Assurance/ Quality Control Plan

A-1. Introduction

This Quality Assurance/Quality Control (QA/QC) Plan has been developed in support of the construction and buildout of the Building 832 Canyon Operable Unit (OU) ground water and soil vapor extraction (SVE) and treatment systems and extraction wellfield. Some of these facilities have already been constructed as part of the Building 832 Canyon Treatability Studies. As such, this plan will apply only to wellfield expansion and future construction of ground water treatment facilities.

The purpose of this plan is to define quality objectives and areas of responsibility in accordance with the requirements for the construction and buildout of LLNL extraction and treatment facilities. This plan has been developed to comply with Lawrence Livermore National Laboratory (LLNL) QA policy and to address the applicable elements of U.S. Department of Energy (DOE) Order 414.1B (DOE, 2004). A matrix comparing the elements of this plan to the U.S. Environmental Protection Agency (EPA) requirements for Quality Assurance Project Plans (QA/G-5)(U.S. EPA, 1998) is provided in Table A-1.

The QA/QC objectives are to:

- Assure excellence in construction design and implementation.
- Provide the QA/QC requirements to meet all programmatic and institutional needs.

The QA/QC Plan provides confidence that these objectives will be achieved and that achievement will include due consideration for health, safety, property, and the environment.

A-2. Quality Assurance Program

The LLNL Site 300 Environmental Restoration Project's QA Program is based on the following QA documents:

- U.S. Department of Energy (DOE) Order 414.1B, Quality Assurance Program (DOE, 2004).
- Lawrence Livermore National Laboratory (LLNL) Environmental Protection Department (EPD) Quality Assurance Management Plan (QAMP) (LLNL, 2004).
- LLNL Environmental Restoration Project Quality Assurance Project Plan (QAPP) (Dibley, 1999).
- LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures (SOPs) (Goodrich and Depue, 2003).

Table A-1 shows the 10 elements of the EPD QAMP, which implements DOE Order 414.1B, and their applicability to any future construction related activities for the Building 832 Canyon OU ground water extraction and treatment systems. The Construction QA/QC Plan follows the Environmental Restoration Project QAPP approved by the U.S. Environmental Protection Agency (EPA).

A-2.1. Organization

This section documents the organizational structure, functional responsibilities, and lines of communication for those aspects of construction related activities for the Building 832 Canyon OU ground water and SVE and treatment systems that affect quality.

Figure A-1 shows the organizational structure for construction QA/QC activities. The descriptions below generally describe the QA/QC responsibilities of those involved in carrying out the QA/QC program for the construction of the Building 832 Canyon OU ground water treatment systems. Project personnel as shown in Figure A-1 have the following responsibilities:

- The U.S. DOE is the Principal Responsible Party for Comprehensive, Environmental Response, Compensation and Liability Act (CERCLA) related activities at the LLNL Site 300. Environmental restoration activities at Site 300 are conducted by University of California staff in the LLNL Environmental Restoration Division (ERD), hereafter referred to as LLNL, under the direction of the DOE Site 300 Remedial Project Manager (RPM). The DOE RPM coordinates these activities through the U.S. Environmental Protection Agency, and California Department of Toxic Substances Control and the Regional Water Quality Control Board RPMs.
- The LLNL Environmental Protection Department (EPD) Quality Assurance Manager provides oversight and monitors QA related activities of divisions within the EPD, including ERD. The Quality Assurance Manager reports the results of quality verification to the EPD Department Head who, in turn, relays this information to DOE.
- The LLNL ERD Division Leader is responsible for implementing the EPD and ERD QA programs as it relates to activities in the division and ensuring that nonconforming conditions are promptly addressed and documented. The ERD Division Leader reports to both the EPD Department Head and to DOE.
- The LLNL ERD Site 300 Project Leader is responsible for ensuring that approved procedures related to QA are used during activities in the project and division and ensuring that nonconforming conditions are promptly addressed and documented. The Site 300 Project Leader issues the QA/QC plan and periodically reviews its implementation. The Site 300 Project Leader reports to the ERD Division Leader on QA conformance and other QA-related issues.
- The LLNL ERD Quality Assurance Implementation Coordinator is responsible for the development and implementation for the QA/QC plan, establishment and control of the applicable QA/QC requirements, coordination with appropriate project personnel to assure compliance within groups over which the quality organization has no administrative control, and development of tracking and reporting systems to provide management visibility of implementation activities and results. The Quality Assurance

Implementation Coordinator maintains direct communication and liaison with the EPD Quality Assurance Manager and has line authority through the ERD Division Leader for the implementation of the QA Program within the division.

- The LLNL Quality Assurance Engineer is responsible for providing direction to the Subproject Leader, Remediation Engineer, and Technician Supervisor in the selection and installation of the equipment and remediation systems to meet QA objectives and ensuring that construction meets design criteria specified in the design documents. The Quality Assurance Engineer reports directly to the Quality Assurance Implementation Coordinator on construction QA/QC related activities.

  The Quality Assurance Implementation Coordinator and Quality Assurance Engineer constitute the independent quality assurance reviewers as defined in the EPD Quality Assurance Management Plan. The Quality Assurance Management Plan requires that design/technical reviews are conducted by competent, independent reviewers other than those involved in the original design activity although they may be from the same organization. Additional QA audits of ERD activities are regularly conducted by DOE. The ERD Division Leader may assign an outside (non-LLNL), independent QA team as appropriate (i.e., when the necessary technical expertise to conduct design review is not available within the LLNL organization).
- The LLNL Subproject Leader is responsible for coordinating facility construction. The Subproject Leader reports directly to the Site 300 Project Leader.
- The LLNL Remediation Engineer is responsible for writing design criteria for equipment and flow rates to treat water, as well as providing oversight for construction activities. The Remediation Engineer is the equivalent to the Remedial Design Engineer. The Remediation Engineer reports to the Subproject Leader regarding facility design and construction.
- The LLNL Plant Engineering Project Manager (PEPM) is responsible for coordinating Plant Engineering activities, if any. The PEPM reports functionally during any assigned construction activities to the ERD Site 300 Project Leader and the Subproject Leader. The PEPM is Plant Engineering's primary contact with ERD for the assigned project. He/she is responsible for coordinating and executing the project assigned to him/her.
- The LLNL ERD Technician Supervisor is responsible for the supervision and oversight of day-to-day construction activities. The Technician Supervisor is the equivalent to the Remedial Action Constructor. The Technician Supervisor reports to the Subproject Leader regarding construction-related activities.

A-3. Training and Qualifications

Personnel supporting Environmental Restoration Projects are trained to ensure that they have the skills and knowledge necessary to perform their work assignments in a safe, competent, uniform, and environmentally sound manner. Technicians performing construction activities comply with the EPD's Training Management Plan, the Safety and Security Directorate Training Implementation Plan, and the LLNL Training Program Manual. In addition to the regulatory driven training such as hazardous waste operations and emergency response certification,

Superfund Amendments and Reauthorization Act/Occupational Safety and Health Administration (SARA/OSHA), and the Environment, Safety, and Health courses provided by LLNL, technicians also receive on-the-job training for their specific work tasks. All training is tracked and recorded by the EPD Training Section.

A-4. Quality Improvement

ERD technicians integrate quality improvement into all construction activities by communicating to management, per the requirements of SOP 4.12, "Quality Improvement Forms", any unsafe practice or nonconforming item or process (e.g., faulty material, malfunctioning equipment, process defects, data irregularities, and deviations from standard operating procedures) that could potentially compromise worker safety or the activity's deliverable. The technicians also identify and communicate methods to improve quality or achieve greater efficiency of the treatment facilities or associated extraction system under construction.

A-5. Documents and Records

Documents and records have been developed and controlled in a manner that ensures availability to EPD managers and workers so that they can perform their assigned responsibilities safely and properly per the requirements of SOP 4.18, "ERD Document Control". Records are retained so that the basis of technical and regulatory decisions can be adequately defended.

A-6. Work Processes

All work must be authorized before commencing and work activities be conducted under conditions and controls that ensure worker safety and provide assurance that quality is achieved. Work processes will be performed per approved procedures.

A-6.1. Identification and Control of Items

Material delivered to the job site is inspected to verify compliance with the approved submittal to assure that only correct and accepted items are used or installed.

The Technician Supervisor will request identification and inspection of items arriving at the construction site, when required. Acceptance of items or materials not in conformance with the design requirements shall be approved by the Project Manager and QA Engineer.

Samples, generated as part of the construction activities will be assigned unique identifiers. Documented traceability of sample identifiers is maintained throughout the handling of samples. Such documented traceability is referred to as the chain-of-custody process for samples and is described in SOP 4.2, "Sample Control and Documentation".

A-6.2. Handling, Storing, and Shipping of Items

Procedures have been developed to ensure that items associated with construction activities are handled, stored, and shipped to prevent damage, loss, or deterioration.

Environmental samples will be handled, stored, and shipped per the requirements of SOP 4.3, "Sample Containers and Preservation" and SOP 4.4, "Guide to the Handling, Packaging and Shipping of Samples".

A-7. Design Control

If during the course of construction, design changes are necessary, these changes must be controlled in accordance with the following requirements:

- Changes to final designs, field changes, and nonconforming items identified as "use as is" or "repair" must be justified and must be subject to design control measures commensurate with those applied to the original design.
- Design control measures for changes must include provisions to ensure that the design analyses for the item are still valid.
- Changes must be approved by the same groups or organizations that reviewed and approved the original design documents.
- If a significant design change becomes necessary because of an incorrect original design, the design process and design verification methods and implementing procedures must be reviewed and modified, as appropriate. These design deficiencies must be documented according to the requirements provided using the organization's nonconformance reporting process.
- Field changes must be incorporated into the applicable design documents.
- Design changes that affect related implementing procedures or training programs must be communicated to the appropriate organizations.

A-8. Inspection and Acceptance Testing

All construction work is subjected to inspection. The QA Engineer shall notify the Subproject Leader and Remediation Engineer if the work does not meet design criteria or quality requirements. After construction, the QA Engineer shall verify the accuracy of the as-built drawings to the final constructed facility.

The Technician Supervisor and Remediation Engineer shall maintain cognizance of incoming and stored materials and items and inspect or test them for conformance to requirements, as necessary. They shall tag rejected items to ensure that they are not inadvertently used.

Lockout tags shall be tied on electrical equipment, lifts and hoists, valves, etc. where such items (1) are unsafe to use, (2) are uncertified, or (3) may pose a risk to personnel working on the system per the requirements of SOP 4.16, "ERD Lockout/Tag Program".

A-9. Assessment/Verification

A-9.1. System Check

Prior to operating a new or modified ground water or soil vapor treatment facility with contaminated ground water or soil vapor, a system check will be conducted to confirm the proper

construction and operation of the treatment system. The following minimum requirements apply to this system check phase:

- A conformance inspection will be conducted to confirm that all equipment, piping, instrumentation, and control systems of the treatment system have been installed according to the approved design. Any deficiencies in the treatment system will be corrected.
- To confirm piping integrity, piping of the collection system and treatment system will be tested. Any leaks will be repaired.
- All instrumentation, control systems, and equipment will be inspected for malfunctions. All automatic controls, such as shutdown or alarm switches necessary for the operation of each treatment system phase, will be inspected for operational readiness prior to startup of that phase. Mechanical equipment, such as pumps and valves, required for the operation of the treatment phases, will be cycled or operated. Any functional deficiencies will be corrected.

A-9.2. Proof-of-System Check

After the system check has been conducted and any deficiencies corrected, a proof-of-system check will be conducted to ensure that the extraction wellfield and treatment system will remove and treat contaminated ground water or soil vapor to meet regulatory effluent discharge limits. The proof-of-system check will consist of the following elements:

- The proof-of-system check will last long enough to demonstrate that contaminated ground water or soil vapor has been extracted from each extraction well and has been treated by the treatment system to meet effluent discharge limitations.
- Each of the new extraction wells will be pumped long enough to confirm that the ground water pumps and water level shutoff devices operate properly.
- The treated ground water will be analyzed for volatile organic compounds (VOCs), nitrate, and perchlorate, as appropriate, after passing through the treatment system.
- The treated soil vapor will be analyzed for VOCs after passing through the treatment system.
- If analysis show that ground water or soil vapor contaminant concentrations are above the effluent discharge limitations, the treatment system will be modified until the concentrations reach regulatory standards.
- All treatment, transport, and disposal components (including pumps, valves, liquid level controllers, pipelines, flow meters, pressure gauges, etc.) will be inspected for leaks and/or malfunctions. In addition, the system's automatic controls will be inspected for operational readiness. All mechanical equipment will be operated under load to assure proper performance. Any deficiencies will be corrected.

A-9.3. Proof-of-System Monitoring

Proof-of-system monitoring will be conducted to characterize changes to the treatment system influent and effluent stream as a result of connecting new extraction wells, to determine

the treatment efficiencies of new treatment facilities, and to monitor the performance of the new extraction wells.

During the proof-of-system monitoring, the following analyses or measurements will be conducted:

- Total volume of water or soil vapor extracted from each new extraction well.
- Water levels in the new extraction wells.
- Total volume of water or soil vapor treated.
- Analysis of ground water treatment system effluent samples for volatile organic compounds, nitrate, and perchlorate, as appropriate, as well as pH.
- Analysis of soil vapor treatment system effluent samples for VOCs

The quality of the data generated as part of the proof-of-system testing will be assessed following the data quality assessment procedures outlined in Section 3.1.3 and Section 4 (Data Validation and Usability) of the ERD QAPP (Dibley, 1999).

A-9.4. Measuring and Testing Equipment Calibration and Verification

All Measuring and Test Equipment used in acceptance testing of electronic, monitoring, and interlock systems and items will be calibrated in accordance with the applicable LLNL or manufacturer's calibration manual or LLNL SOP 4.8, "Calibration/Verification and Maintenance of Field Instruments Used in Measuring Parameters of Surface Water, Ground Water, and Soils", as appropriate. The individual conducting the test will be responsible for assuring that all test equipment is calibrated and within its certification period.

A-10. References

Dibley, V. (March 1999), *Environmental Restoration Division, Quality Assurance Project Plan, Livermore Site and Site 300 Environmental Restoration Projects*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-103160 Rev. 2).

Goodrich, R., and R. Depue (Eds.) (2003), *LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures (SOPs),* Lawrence Livermore National Laboratory, Livermore Calif. (UCRL-MA-109115 Rev. 11).

LLNL (November 2001) *Environmental Protection Department Quality Assurance Management Plan*, *Rev. 4*, Lawrence Livermore National Laboratory, Livermore Calif. (UCRL-AR-146357).

LLNL (1989), Construction Manager Manual - Subcontracted Construction Projects, Plant Engineering Department.

LLNL (1990), Construction Inspector's Policy and Procedure Manual, Plant Engineering Department.

U.S. DOE (2004), DOE Order 414.1B, Quality Assurance Program, Office of Nuclear Safety Policy and Standards.

U.S. Environmental Protection Agency (1998), Guidance for Quality Assurance Project Plans (QA/G-5), EPA/600/R-98/018, Office of Research and Development.

Table A-1. Applicability of the EPD QAMP elements to the construction of Building 832 Canyon OU treatment systems and wellfield buildout.

EPD QAMP requirement	Title	Applicable ?
Element 1	EPD Quality Assurance Program Description	Yes
Element 2	Training and Qualification	Yes
Element 3	Quality Improvement	Yes
Element 4	Document and Records	Yes
Element 5	Work Processes	Yes
Element 6	Design Control	Yes
Element 7	Procurement	Yes
Element 8	Inspection and Acceptance Testing	Yes
Element 9	Management Assessment	Yes
Element 10	Independent Assessment	Yes

Notes:

EPD = Environmental Protection Department.
OU = Operable Unit.
QAMP = Quality Assurance Management Plan.

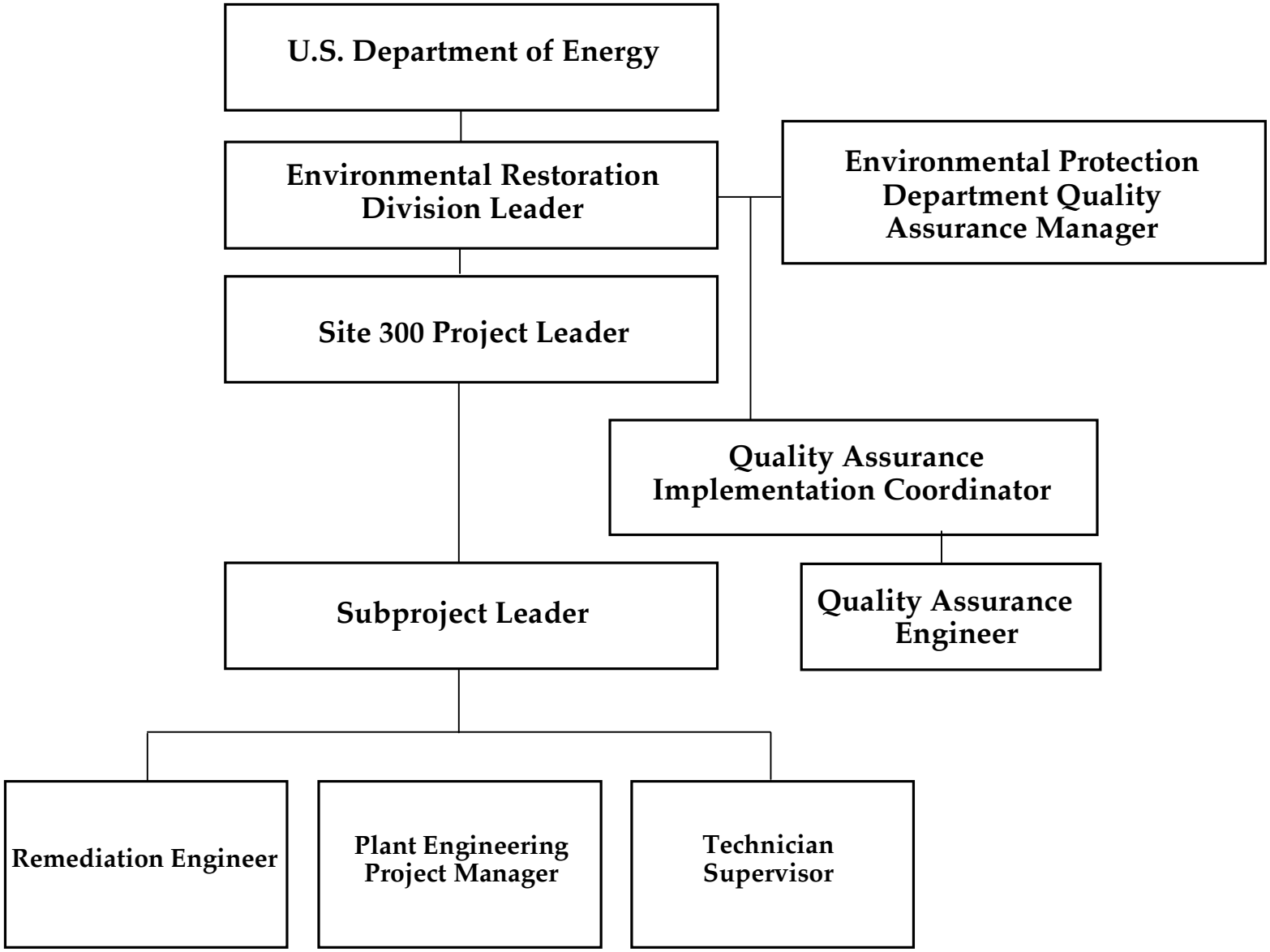

Figure A-1. Organizational structure for construction QA activities.

Appendix B

Construction Health and Safety

Appendix B
Construction Health and Safety Plan

This Appendix contains the Construction Health and Safety Plan for the Building 832 Canyon Operable Unit (OU) Remedial Action.

B-1. Reason for Issue

Safety procedures are required to construct the Building 832 Canyon OU remedial action. This Health and Safety Plan serves as an administrative tool to summarize the requirements that are pertinent to the Building 832 Canyon OU treatment facility construction. Some treatment facilities have already been constructed as part of the Building 832 Canyon Treatability Studies. This plan will apply only to wellfield expansion and future construction of ground water extraction and treatment facilities. Any potential health and safety hazards and the control of such hazards during construction are addressed in one or more of the following documents:

- Lawrence Livermore National Laboratory (LLNL) Environment, Safety, and Health Manual (LLNL, 2003).
- LLNL Environment, Safety, and Health Manual, Document 2.5 - Procured Services Subcontractor Environment, Safety, and Health Program (LLNL, 2003).
- LLNL Environmental Restoration Division (ERD) Site Safety Plan for Lawrence Livermore National Laboratory Comprehensive, Environmental Response, Compensation and Liability Act (CERCLA) Investigations at Site 300 (LLNL, 2000).

The requirements of the LLNL Environmental Safety and Health (ES&H) Manual are based on DOE's Integrated Safety Management System Principles and Work Smart Standards.

B-2. Work to be Performed and Location of Activity

B-2.1. Location of Treatment Facilities

The Building 832 Canyon Operable Unit (OU) occupies approximately 70 acres in the southeast portion of Lawrence Livermore National Laboratory (LLNL) Site 300 (Figure 1). Four treatment facilities have already been constructed and are operating at present. Building 832-Source (B832-SRC) ground water and soil vapor treatment facility is south and across the street from Building 832. The Building 830-Proximal (B830-PRX) ground water treatment facility is southwest of and downgradient from Building 830. The Building 830-Source (B830-SRC) ground water and soil vapor treatment facility is adjacent to Building 830. The Building 830-Distal South (B830-DISS) ground water treatment facility is located in the Building 832 Canyon, downgradient from Building 830. Locations of the treatment facilities are shown in Figure 2 of the Remedial Design report.

B-2.2. Existing Treatment Facilities

The B832-SRC facility treats ground water for VOCs, perchlorate, and nitrate and has been in operation since October 1999. Ground water is extracted from nine wells (W-832-12, W-832-13, W-832-14, W-832-15, W-832-16, W-832-17, W-832-18, W-832-20, and W-832-22) to remove source contamination and to mitigate plume migration. Ground water extraction rates at this facility are seasonally variable, ranging from 10 to 200 gallons per day. Ground water is treated using a Cuno filter for particulate filtration, three aqueous-phase GAC units connected in series to remove VOCs, and two ion exchange columns with SR-7 resin (also connected in series) to remove perchlorate. Treated ground water is discharged via a misting system. Soil vapor is extracted from the same nine wells used for ground water extraction. A positive displacement rotary lobe blower is used to create a vacuum at each wellhead through a system of manifolded piping. The contaminated vapors are treated using three vapor-phase GAC units connected in series. Treated soil vapors are then discharged to the atmosphere under a permit from the San Joaquin Valley Unified Air Pollution Control District. Expansions are planned for this facility in fiscal years 2005 and 2007 that will include the construction of a pipeline from four extraction wells downgradient from the Building 832 source area to the B832-SRC treatment facility.

The B830-SRC facility treats ground water for VOCs, perchlorate, and nitrate and has been in operation since February 2003. Ground water is extracted from three wells (W-830-1807, W-830-19, and W-830-59) to remove source contamination and to mitigate plume migration. These wells exhibit very low sustainable yield and are operated by timers that pump the wells at low flow rates until dry and then shut off while the water levels recover. Ground water from these wells is treated using three aqueous-phase GAC units connected in series to remove VOCs followed by treatment using two ion exchange units also connected in series to remove perchlorate. Treated water is then discharged via a misting tower. The B830-SRC soil vapor extraction and treatment system is being tested to evaluate whether this is a viable remediation technology for this low permeability source area. Soil vapor is extracted from well W-830-1807 using a regenerative blower and the contaminated vapors are treated using three vapor-phase GAC units connected in series. Treated soil vapors are then discharged to the atmosphere under a permit from the San Joaquin Valley Unified Air Pollution Control District. An expansion is planned for this facility in fiscal year 2006 that will include the construction of a pipeline from 7 extraction wells downgradient from the Building 830 source to the B830-SRC treatment facility.

The B830-PRXN facility treats ground water for VOCs and nitrate and has been in operation since October 2000. Ground water is extracted from extraction well W-830-57 using a solar-powered ground water treatment unit. The ground water is treated using three aqueous-phase GAC units connected in series to remove VOCs; the effluent is discharged to the ground via a French drain. As discussed in Section 5 Remedial Strategy, this facility will be discontinued and its extraction well, W-830-57, will be connected to the existing B830-SRC facility.

The B830-DISS facility treats ground water for VOCs, perchlorate, and nitrate and has been in operation since July 2000. Ground water is extracted from three wells (W-830-51, W-830-52, and W-830-53) using natural artesian pressure. The ground water is treated using GAC units to remove VOCs. Nitrate and trace amounts of perchlorate are removed from the extracted ground water using bioreactor technology. The water flows through three open-container wetland

bioreactors containing microorganisms that use nitrate during cellular respiration. Acetic acid is added to the process stream as a carbon source. Treatment system effluent is discharged via a storm drain that discharges to the Corral Hollow alluvium.

Health and safety hazards and controls for the operation of these facilities are discussed in Appendix D (Operations and Maintenance Health and Safety Plan).

B-2.3. Future Treatment Facilities

The Remedial Design for the Building 832 Canyon OU does not include any plans to install additional ground water extraction and treatment facilities at this time. In the event that the remedial strategy proposed in this report does not meet cleanup objectives, additional extraction wells will be installed and new facilities will be considered if needed.

Health and safety hazards and controls for the construction of these facilities are discussed in this Construction Health and Safety Plan.

B-3. Responsibilities

Ed Folsom, phone number (925) 422-0389, LLNL pager number 02892, and home phone number (925) 455-6750, is responsible for the safety of this operation and for assuring that all work is performed in conformance with this Health and Safety Plan. In the absence of the responsible individual, Greg Santucci, phone number (925) 422-3089, LLNL pager number 06502, shall assume these responsibilities.

The responsible individual(s) listed above, and the LLNL Environmental Safety & Health (ES&H) team leader may approve any changes in construction activities that improve or do not significantly affect safety and environmental controls. The responsible individual will ensure that this action is documented in a memorandum. Any changes in the operation that increase the hazard level, introduce additional hazards, or decrease safety shall not be made until a revision to this Health and Safety Plan has been reviewed and approved, consistent with the LLNL Environmental Restoration Division review and approval process.

Before starting construction activities, the responsible individual shall verify and document that the operating personnel have read and understand the Health and Safety Plan, relevant Integration Work Sheets (IWSs), and associated LLNL ES&H Manual sections referenced in Section B-8.2.

B-4. Hazard Analysis

B-4.1. Noise Hazard

Irreversible hearing loss can occur due to long-term exposure to noise from operating heavy equipment and other construction activities. Noise can also aggravate pre-existing hypertension. The American Conference of Industrial Hygienists has established a standard of 85 dBA over an 8-hour day. Exposure to noise louder than 85 dBA is permitted as long as the average exposure for the entire day is less than 85 dBA.

B-4.2. Electrical Hazard

A 480, 208/230, and 110 VAC electrical power supply is used to operate the Building 832 Canyon OU ground water and soil vapor extraction and treatment systems. Electrical shock and injury may occur if personnel come into contact with exposed energized parts during servicing and maintenance activities.

B-4.3. Chemical Hazard

VOCs, consisting primarily of trichloroethene (TCE), are expected to be in the extracted ground water treated in all the Building 832 Canyon OU remediation systems. Concentrations of TCE in the treatment systems influent are expected to range from 29 μg/L to 4,100 μg/L. Other VOC that were periodically detected in the Building 832 Canyon OU treatment system influent during 2003 include: tetrachloroethene at 12 μg/L, chloroform at 0.69 μg/L, 1,2-dichloroethane at 2.8 μg/L, and cis-1,2-dichloroethene at 1.4 μg/L. TCE has been detected in soil vapor up to 35 parts per million volume per volume ($ppm_{v/v}$). These VOCs are listed as potential carcinogens and kidney and liver toxins that may enter the body through inhalation, skin absorption, and/or ingestion. It is irritating to the eyes, nose, and throat and may affect the central nervous system.

Nitrate (as NO_3) is expected to be in extracted ground water treated by the Building 832 Canyon OU treatment facilities at concentrations ranging from 17 mg/L to 135 mg/L. Nitrate is non-carcinogenic but significant concentrations of nitrogen in drinking water has been linked to methemoglobinemia, or blue baby syndrome, a potentially fatal disease of infants.

Perchlorate is expected to be contained in extracted ground water treated by the Building 832 Canyon OU treatment facilities at concentrations ranging from <4 μg/L to 13 μg/L. The concerns surrounding perchlorate contamination involves its ability to inhibit iodide anion uptake by the thyroid. This results in decreased thyroid hormone production that can affect metabolism, growth, and development. Perchlorate is currently listed as non-carcinogenic however additional studies are being conducted to provide data to evaluate the potential for cancer risk.

B-4.4. Explosives Hazard

No explosives are treated by the treatment facilities located in the Building 832 Canyon OU. However, high explosives are mechanically pressed and machined into shaped detonation devices at within the High Explosives Process Area. The major hazards from explosives are personal injury and property damage caused by heat, blast, noise, fumes, and flying debris or projectiles from unintentional or inadequately controlled ignition or explosion of such materials.

B-4.5. Confined Space Hazard

A confined space is defined as an enclosed area that is large enough for an employee to enter and perform assigned work, has limited or restricted means of entry or exit, and is not designed for continuous human occupancy. If an ignition source is present in or introduced into an enclosed space that contains flammable gases, solvents, or dust, the atmosphere may burn or explode. Serious injury or death may result when the atmosphere contains even low concentrations of toxic gases.

B-4.6. Hand and Portable Power Tool Hazard

The Laboratory provides hand and portable tools that meet accepted national safety standards. However, these tools can still cause injury and must be properly used and maintained.

B-4.7. Working Alone Hazard

Working alone means performing any activity out of sight or communication for more than a few minutes at a time. For work on exposed energized electrical equipment, an individual is considered to be working alone if not within sight of someone else. The major danger in working alone is sustaining an illness or injury that precludes self-rescue.

B-4.8. Physical and Biological Hazards

Physical hazards associated with working at Site 300 include extreme temperatures with temperatures often exceeding 100º F in the summer. High air temperatures coupled with use of semi-permeable or impermeable protective clothing and/or strenuous physical activities have a high potential for inducing heat stress in workers. In addition, hazardous conditions may exist during lightning storms at Site 300. Biological hazards include rattlesnakes and insects (i.e., tarantulas, black widow spiders, scorpions, etc.).

B-4.9. Slip/Trip/Fall Hazards

The surfaces that operators stand or work on can be hazardous if not properly designed or maintained. Injuries can result from slips, trips, or falls on work surfaces. Work at heights or at elevated locations can also pose a fall hazard.

B-4.10. Material Handling Hazards

The hazards associated with improper material handling include being struck by a load, losing control of a load, physical overexertion, and exceeding equipment capacities. Such accidents can lead to injuries.

B-4.11. Mechanical Motion Hazards

A wide variety of mechanical motions and actions may present hazards to personnel. These can include the movement of rotating members, reciprocating arms, moving belts, meshing gears, cutting teeth, and any part that may cause impact or shear. These different types of hazardous mechanical motions and actions are basic in varying combinations to nearly all machines.

B-4.12. Hazards to Eyes

During construction activities, flying particles or objects can present a hazard to worker's eyes. The use of soldering or welding equipment also poses an eye hazard.

B-4.13. Fire Hazards

Soldering or welding of pipe connections may be necessary to connect pipeline to extraction wells or to the treatment facility. These hot-work activities present a fire hazard, particularly

when performed in the more remote, grassy areas of the OU during the summer months when the grass is dry and highly ignitable.

In addition, vehicle travel off-road into grassy areas may be necessary during pipeline construction or hook-up. Hot engine and vehicle exhaust components may present a fire hazard when contacting high, dry grass or vegetation.

B-5. Hazard Control

Controls for the hazards identified in Section B-4 are based on selected sections of LLNL ES&H Manual, the Site Safety Plan for LLNL CERCLA Investigations at Site 300 (2000), and Site 300 Environmental Restoration Project IWSs.

B-5.1. Noise Hazard Control

Personnel are required to wear noise protection when working within a noise hazard area. ES&H Team 1 shall be notified each time new drilling or generator equipment is brought on site, so that an evaluation of noise exposures can be conducted. Participation in a hearing conservation program is required for all individuals exposed to noise levels that equal or exceed an 8-hour time-weighted average of 85 dBA or the peak level of 140 dBC. Noise safety precautions will be followed as outlined in the LLNL ES&H Manual, Document 18.6, "Hearing Conservation".

B-5.2. Electrical Hazard Control

B-5.2.1. Access Control

Limiting access to the breaker switches prevents inadvertent contact with energized equipment. All breaker switches are contained in cabinets with keyed locks.

B-5.2.2. Electrical System Maintenance Safety Procedures

Personnel shall be trained to HS5220-W, "Electrical Safety Awareness"; HS5230-W, "High Voltage Safety"; HS5245, "Lock & Tag"; HS5250, "Working on Energized R&D Equipment"; and HS5210-W, "Capacitor Safety Orientation". All electrical systems shall be checked for grounding continuity. Ground Fault Circuit Interrupters (GFCIs) shall be used on power outlets, temporary power cords (120 VAC), generators, and all power tools. Portable generators are to be used and maintained according to the assured ground program. Generators shall not be used in the rain. When practical, mechanical barriers and interlock systems shall be used. All breaker switches are contained in cabinets with keyed locks. All electrical equipment and systems will meet LLNL electrical standards and UL standards. All applicable controls stated in the LLNL ES&H Manual, Document 16.1, "Electrical Safety", 16.2, "Work and Design Controls for Electrical Equipment", and 16.3, "LLNL Authority Having Jurisdiction Requirements for Approving Electrical Equipment, Installations and Work" shall be followed. Only qualified electricians or electrical technicians may work on electrical systems.

B-5.3. Chemical Hazard Control

Concentrations of contaminants in the treatment facility influent are generally several orders of magnitude lower than the recommended permissible exposure limits (PELs) or threshold limit values (TLVs) for these chemicals. Therefore, it is not anticipated that exposure levels in excess of PELs or TLVs will be encountered. However, precautions, such as use of personal protective equipment or clothing (i.e., gloves, safety glasses) should be taken to prevent exposure when potential contact with contaminated, untreated ground water is possible per the requirements of LLNL ES&H Manual, Document 11.1, "Personal Protective Equipment." In addition, to prevent the ingestion of hazardous materials, workers should wash their hands prior to eating, drinking, smoking, or using restroom facilities. The Material Safety Data Sheets for the chemical encountered at Building 832 Canyon OU are maintained at the technician's office at Site 300 and in the Site Safety Plan for LLNL CERCLA Investigations at Site 300 (2000). Additional information on the safe handling of chemicals can be found in the LLNL ES&H Manual, Document 14.1, "LLNL Chemical Safety Management Program."

B-5.4. Explosives Hazard Control

Explosives treatment or handling is not anticipated as part of the construction activities in the Building 832 Canyon OU at this time. When remote operations occur at Site 300, access to the area is restricted. Workers must complete and follow the safety procedures covered in Course HS0095W, "Site 300 Safety Orientation Training." This course contains information regarding signs, procedures, and controls used to minimize exposure to hazards related to Site 300 activities. Although no explosives are used in environmental restoration activities, it is imperative that workers follow the special safety and access requirements for the Building 832 Canyon OU during construction activities in this area.

B-5.5. Confined Space Hazard Control

Confined space entries are not anticipated as part of construction activities in the Building 832 Canyon OU at this time. However, construction personnel and technicians should be familiar with and perform all work in confined spaces in accordance with the LLNL ES&H Manual, Document 18.7, "Working in Confined Spaces." The Hazards Control Team 1 will be contacted prior to entry of any confined spaces. A Confined Space Permit is required, and only qualified personnel with recent Confined Space Training are permitted to work in confined spaces. Personnel must follow the Two-Man Rule when working in confined spaces. Personnel shall contact the CAS Operator via trunked radio in case of emergency.

B-5.6. Hand and Portable Tool Hazard Control

Facility technicians and construction personnel are responsible for selecting and using the proper tools for the job assigned and for wearing the appropriate personal protective equipment (i.e., safety glasses, etc.) when working with hand and portable tools. All hand and portable tools should be inspected prior to use to make sure they are not damaged and are in good-working condition. Any tool that is damaged or unfit for use should be immediately removed from service. Personnel are responsible for following the work safety standards outlined in LLNL ES&H Manual, Document 11.2, "Hazards—General and Miscellaneous" Chapter 5.0, *Hand and Portable Power Tools* and Document 19.1, "LLNL Ergonomics Program". Personnel

are responsible for wearing the appropriate PPE such as safety glasses, gloves, and steel toed boots, as appropriate.

B-5.7. Working Alone Hazard Control

When working alone on a non-hazardous activity, facility technicians and construction personnel will advise a co-worker or supervisor that they will be working alone and when they expect to return. For potentially hazardous activities, technicians will: (1) exercise prudent judgment whether or not to perform the activity alone, and (2) obtain prior authorization from work supervisor before beginning planned hazardous-work-alone operations to ensure that all hazards have been thoroughly evaluated from the perspective of working alone. Work supervisors are responsible for ensuring an IWS is prepared for activities classified as hazardous for working alone. Personnel are responsible for following the work safety standards outlined in LLNL ES&H Manual, Document 11.2, "Hazards—General and Miscellaneous" Chapter 12.0, *Working Alone* and the Environmental Restoration Division Working Alone Guidelines (in ERD O&M Manual, Appendix L) for all work-alone activities.

B-5.8. Physical and Biological Hazard Control

During late spring and summer months, technicians and construction personnel should ingest fluids and evaluate their physical conditions regularly and break when necessary to avoid overheating. Work should be conducted in accordance with the LLNL ES&H Manual, Document 11.2, "Hazards—General and Miscellaneous" Chapters 16.0, *Heat Stress* and 19.0 *Working Outdoors*. All personnel should follow procedures outlined in the Site 300 Lightning Procedures (S300 MGM-T-7) during a lightning alert at Site 300. A lightning alert means the weather conditions are potentially conducive to lightning. Lightning alerts are announced through the Site 300 communications systems. Employees and visitors must evacuate and remain outside explosives hazard zones until a lightning alert is cleared.

Technicians and construction personnel should inspect work areas for snakes and other biological hazards before commencing work. The use of high top work boots is recommended. Avoid biological hazards when possible; do not harass wildlife. Anyone who is bitten should be moved to a safe area and kept calm. Notify the Emergency Dispatch by calling 911 or 925-447-6880 from a cellular phone immediately.

B-5.9. Slip/Trip/Fall Hazard Control

Work surfaces around the treatment facilities should be properly maintained at all times to prevent slips, trips, and falls. Maintenance includes assuring all spills and foreign materials (i.e., tools, excess equipment, etc.) are promptly removed, installing rubber or slip resistant mats at locations that may accumulate water, and ensuring that floor openings are equipped with adequate covers when worker exposure is possible. Any access to elevated locations or work at heights requires guardrails, an administrative control system, or fall protection devices. Personnel are responsible for following the work safety standards outlined in LLNL ES&H Manual, Document 11.1, "Personal Protective Equipment" and Document 11.2, Chapters 2.0, *Housekeeping* and 17.0, *Walking and Working Surfaces*.

B-5.10. Material Handling Hazard Control

Operators should use methods that ensure personal safety and safety of the material being handled when lifting or handling materials manually. Objects that are too heavy or bulky to handle safely should be moved using more than one person or mechanical lifting device. All material lifting or handling should be performed in accordance with the safety standards and procedures for lifting contained in the LLNL ES&H Manual, Document 15.2, "Manual and Mechanical Material Handling."

B-5.11. Mechanical Motion Hazard Control

Any machine part, function, or process, which may cause injury shall either be guarded (physical barriers which prevent access to danger areas) or safeguarded (provided with devices which inhibit machine operation, to mitigate or eliminate danger areas).

Machine operators shall be trained in the proper use of equipment and associated guards/safeguards to protect themselves and others from machine-related hazards. Machine operators shall wear protective clothing or personal protective equipment as necessary whenever engineering controls are not available or are not fully capable of protecting personnel. At a minimum, all personnel operating or working within close proximity of heavy machinery or equipment shall wear safety shoes and safety glasses. When there is a potential for head injury, hard hats shall be worn. Additional details for personal protective equipment are contained in the LLNL ES&H Manual, Document 11.1.

B-5.12. Eye Hazard Control

Eye protection shall be provided and worn by technicians where flying particles or objects present a hazard. The minimum type of eye protection is a pair of safety glasses. Increased protection against flying particles is provided when safety glasses have side shields; side shields should be used in most cases. Special eye protection is required when operations such as welding or metal cutting with a torch or arc are performed.

Generally, the technician supervisor will select the eye protection that is appropriate for the type of work being conducted by the technician. Additional details for eye protection are contained in the LLNL ES&H Manual, Document 11.1.

B-5.13. Fire Hazard Control

As part of the LLNL program to control fire hazards, permits are required for welding, soldering, and other hot-work operations with a high fire potential. The permits are obtained from the LLNL Fire Department at Site 300. Construction areas shall be maintained in a fire-safe condition, including ensuring that the construction site is accessible to the Fire Department. Technicians will obtain fire permits for all soldering or welding work with a high fire potential. This work will be also be conducted in accordance with the requirements of the LLNL ES&H Manual, Document 22.5, "Fire", LLNL Fire Protection Program Manual, and National Fire Protection Association (NFPA) 51 (Standard for Fire Prevention During Welding, Cutting, or Other Hot Work).

In addition, technicians must obtain approval to access any construction work site that requires off-pavement travel as defined by the LLNL "Restricted Off-Pavement Travel at Site 300" policy manual. Technicians planning to travel off-pavement must receive prior permission from the Site 300 Manager, the Functional Area Supervisor, and the CAS Operator and carry a trunked radio for communications. In addition, appropriate training is required for all personnel engaging in off-road travel at Site 300. Personnel should not park or drive through dry, tall grass. Technicians performing off-road travel during construction activities shall be familiar with the "Restricted Off-Pavement Travel at Site 300" manual (LLNL, 2001), LLNL ES&H Manual, Document 21.3, Chapter 4.0, *Off Pavement Travel*, and IWS 11313.

In case of fire, contact the LLNL Fire Department by dialing 911 or 925-447-6880 from a cellular phone.

B-6. Stop Work Procedures

LLNL's stop-work procedure applies to all work done at the Laboratory. Activities that are imminently dangerous to workers, the public, or the environment shall be stopped immediately by any Laboratory employee, supplemental labor employee, or contractor. Each worker is empowered to stop work if there is a perceived unsafe or unapproved condition. "Stopping work" includes stabilizing an imminent danger situation to the extent that it can be left unattended for a prolonged period of time until the issue is resolved. The person requesting the work stoppage shall notify manager responsible for the work. The manager shall notify the area ES&H Team and the Directorate ES&H Assurance Manager as soon as possible of this action. Informal stop work interventions to correct minor conditions (e.g., to remind workers to put on their hard hats, safety glasses etc.) do not require formal notification. Details of the Stop Work Process are included in the LLNL ES&H Manual, Document 2.1, "Laboratory and ES&H Policies, General Worker Responsibilities, and Integrated Safety Management."

B-7. Emergency Response Procedures

In the event of an emergency, facility operations personnel will first dial 911 or 925-447-6880 from a cellular phone to report to the Emergency Dispatcher, then administer first aid, if necessary and if trained appropriately, to injured personnel. The Emergency Dispatcher uses reserved telephone lines to promptly relay the emergency call to the following members of the LLNL Emergency Response Team:

- Fire Department.
- Security Department.
- Hazards Control Safety Teams.
- Plant Engineering.
- Health Services.

The Emergency Response Team will go to the scene of the emergency immediately. The phone numbers of individuals to be notified in the event of an emergency during off-shift hours are posted at the Building 832 Canyon OU treatment facilities. The LLNL ES&H Manual

describes the emergency response procedures in Document 22.1, "Emergency Preparedness and Response" and Document 22.2, "Environmental Emergency Response."

The Site 300 Environmental Restoration Division Emergency Self-Help Plan's for Buildings 843 and 835 and trailer 8726 outline the self-help procedures personnel follow in the event of a disaster.

B-8. Applicable Documents

The following documents and/or sections thereof apply to safely performing construction activities at the Building 832 Canyon OU and are incorporated into this Health and Safety Plan by reference.

B-8.1. Integration Work Sheet Safety Procedures

#11313 Site 300 Off Road 4 Wheel Driving Training and Restricted Travel to Perform ERD Activities

#11324 ERD Site 300 Tractor and Forklift Operation

#11340 B843 Machine Shop Operations

#11579 ERD Electronic Routine Electronic Operations

B-8.2. LLNL Environment, Safety, and Health Manual Sections

Document 2.1 Laboratory and ES&H Policies, General Worker Responsibilities, and Integrated Safety Management

Document 2.5 Procured Services Subcontractor Environment, Safety, and Health Program

Document 11.1 Personal Protective Equipment

Document 11.2 Hazards—General and Miscellaneous

- Chapters 2.0 Housekeeping
- Chapter 5.0 Hand and Portable Power Tools
- Chapter 12.0 Working Alone
- Chapter 16.0 Heat Stress
- Chapter 17.0 Walking and Working Surfaces
- Chapter 19.0 Working Outdoors

Document 12.6 LLNL Lockout/Tagout Program

Document 14.1 LLNL Chemical Safety Management Program

Document 15.2 Manual and Mechanical Material Handling

Document 16.1 Electrical Safety

Document 16.2 Work and Design Controls for Electrical Equipment

Document 16.3 LLNL Authority Having Jurisdiction Requirements for Approving Electrical Equipment, Installations and Work

Document 18.6 Hearing Conservation

Document 18.7 Working in Confined Spaces

Document 19.1 LLNL Ergonomics Program

Document 21.3 Vehicle Operations and Traffic

Chapters 4.0 Off-Pavement Travel

Document 22.1 Emergency Preparedness and Response

Document 22.2 Environmental Emergency Response

Document 22.5 Fire

B-8.3. Site Safety Plan for LLNL CERCLA Investigations at Site 300, November 2000

B-8.4. Site 300 Environmental Restoration Emergency Self-Help Plans

Site 300 Trailer 8726

Site 300 Building 835

Site 300 Building 843

B-9. References

LLNL (2000), *Site Safety Plan for Lawrence Livermore National Laboratory CERCLA Investigations at Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-21172 Rev. 3).

LLNL (latest edition), *Fire Protection Program Manual*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-MA-116646).

LLNL (2004), LLNL Site 300 Environment Restoration Division Emergency Self-Help Plan, Trailer 8726.

LLNL (2004), LLNL Site 300 Environment Restoration Division Emergency Self-Help Plan, Building 835.

LLNL (2004), LLNL Site 300 Environment Restoration Division Emergency Self-Help Plan, Building 843.

LLNL (2001), *Restricted Off-Pavement Travel at Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-MI-144038).

LLNL (2003), LLNL Environment, Safety, and Health Manual.

LLNL (2004), Operations and Maintenance Manual Volume 1: Treatment Facility Quality Assurance and Documentation, Appendix L.

Appendix C

Operations and Maintenance Quality Assurance/ Quality Control Plan

Appendix C

Operations and Maintenance Quality Assurance/Quality Control Plan

C-1. Introduction

This Quality Assurance/Quality Control (QA/QC) Plan has been developed in support of the Operations and Maintenance (O&M) for the Building 832 Canyon OU ground water and soil vapor extraction and treatment systems. The purpose of the plan is to define the quality objectives and areas of responsibility to operate and maintain these facilities. This plan meets the QA requirements of the U.S. Department of Energy (DOE) Order 414.1B (DOE, 2004), the Environmental Protection Department (EPD) Quality Assurance Management Plan (QAMP), (2004), and the Quality Assurance Project Plan (QAPP) for the Livermore Site and Site 300 Environmental Restoration Projects (1999). A matrix comparing the elements of this plan to the U.S. Environmental Protection Agency (EPA) requirements for Quality Assurance Project Plans (QA/G-5)(U.S. EPA, 1998) is provided in Table C-1.

The objectives of the project supported by this QA/QC plan are to:

- Assure excellence in maintenance services and operations to achieve quality, and
- Provide the QA/QC requirements to meet all programmatic and institutional needs.

This QA/QC plan defines the process for providing confidence that these QA/QC objectives will be achieved and that achievement will include due consideration for health, safety, property, and the environment.

C-2. Quality Assurance Program

The LLNL Site 300 Environmental Restoration Project's QA Program is based on the following QA documents:

- U.S. Department of Energy (DOE) Order 414.1B, Quality Assurance Program (DOE, 2004).
- Lawrence Livermore National Laboratory (LLNL) Environmental Protection Department (EPD) Quality Assurance Management Plan (QAMP) (LLNL, 2004).
- LLNL Environmental Restoration Project Quality Assurance Project Plan (QAPP) (Dibley, 1999).
- LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures (SOPs) (Goodrich and Depue, 2003).

Table C-1 shows the 10 elements of the EPD QAMP, which implements DOE Order 414.1B, and their applicability to the operation and maintenance for the Building 832 Canyon OU ground

water extraction and treatment systems. The Construction QA/QC Plan follows the Environmental Restoration Project QAPP approved by the U.S. Environmental Protection Agency (EPA).

C-2.1. Organization

This section documents the organizational structure, functional responsibilities, levels of authority, and lines of communications for those aspects of the O&M of the Building 832 Canyon OU ground water treatment systems that affect quality.

Figure C-1 shows the organizational structure for QA/QC activities. The descriptions below generally describe the QA/QC responsibilities of those mainly involved in carrying out the QA/QC program for the O&M of the Building 832 Canyon OU ground water treatment systems. The Lawrence Livermore National Laboratory (LLNL) Environmental Restoration Division (ERD) Site 300 Project Leader, the Quality Assurance Engineer, the Subproject Leader, and other individuals shown in Figure C-1 have the following responsibilities:

- The Site 300 Project Leader issues this QA/QC plan and periodically reviews its implementation. The Site 300 Project Leader may request an independent review or formal audit of the QA/QC program.
- The Quality Assurance Implementation Coordinator is responsible for the development and implementation of the QA/QC plan, establishment and control of the QA document files, coordination with appropriate project personnel to assure compliance within groups over which the quality organization has no administrative control, and development of tracking and reporting systems to provide management visibility of implementation activities and results.
- The Quality Assurance Engineer is responsible for providing direction in the O&M of remediation systems to meet QA/QC objectives.
- The Subproject Leader is responsible for overseeing facility startup and monitoring its performance and operations.
- The Remediation Engineer is responsible for providing technical direction in the O&M of treatment systems, reviewing and tracking failure of equipment and systems and determining the root cause of failures. The Remediation Engineer is also responsible for implementing the changes to the preventative maintenance schedule to reduce facility maintenance cost and downtime.
- The LLNL Plant Engineering Project Manager reports functionally during any assigned maintenance activities to the ERD Site 300 Project Leader and the Subproject Leader. The Plant Engineering Project Manager is Plant Engineering's primary contact with ERD for the assigned project. He/she coordinates and executes the project assigned to him/her. He/she is responsible for approving minor technical field design changes related to treatment facility modifications and/or O&M activities.
- The Technician Supervisor is responsible for the day-to-day supervision of the facility technicians who operate and maintain the treatment facilities. This includes scheduling required maintenance and ensuring completion in a timely fashion.

- The Treatment Facility Operator/Technician is responsible for the day-to-day operation and maintenance of the treatment facilities. This includes operating equipment, sampling, and performing maintenance to approved procedures, ensuring the measuring and testing equipment is properly calibrated and is of the proper type, range, and accuracy, reporting nonconformances or improvements, and reviewing facility data.
- State Certified Analytical Laboratories using EPA methods are responsible for providing independent chemical analytical results on water samples. For the Building 832 Canyon OU ground water treatment systems, these samples are submitted as part of the monitoring program required by LLNL's discharge permits, in addition to operational testing samples collected prior to the official operation of a facility and routine samples taken to evaluate facility performance.

C-3. Training and Qualifications

Personnel supporting Environmental Restoration Projects are trained to ensure that they have the skills and knowledge necessary to perform their work assignments in a safe, competent, uniform, and environmentally sound manner. Technicians performing construction activities comply with the EPD's Training Management Plan, the Safety and Security Directorate Training Implementation Plan, and the LLNL Training Program Manual. In addition to the regulatory driven training such as hazardous waste operations and emergency response certification, Superfund Amendments and Reauthorization Act/Occupational Safety and Health Administration (SARA/OSHA), and the Environment, Safety, and Health courses provided by LLNL, technicians also receive on-the-job training for their specific work tasks. All training is tracked and recorded by the EPD Training Section.

C-4. Quality Improvement

ERD facility technicians integrate quality improvement into all treatment facility O&M activities by communicating to management per the requirements of SOP 4.12, "Quality Improvement Forms," any unsafe practice or nonconforming item or process (e.g., faulty material, malfunctioning equipment, process defects, data irregularities, and deviations from standard operating procedures) that could potentially compromise worker safety, the activity's deliverable, or the compliance status of the facility. The technicians also identify and communicate methods to improve quality or achieve greater efficiency of the treatment facilities. These personnel also participate in facility assessments and operations meetings to address quality improvement issues.

C-5. Documents and Records

Documents and records have been developed and controlled in a manner that ensures availability to EPD managers and workers so that they can perform their assigned responsibilities safely and properly per the requirements of SOP 4.18, "ERD Document Control". Records are retained so that the basis of technical and regulatory decisions can be adequately defended.

C-5.1. Record Keeping

An operational logbook is kept at each facility. The logbook entries include the operating parameters of each system (i.e., temperature, pressure, etc.), the number and type of samples taken, maintenance performed on the system, and all adjustments made by the operators to the system.

In addition, the following QA records are generated by treatment facility activities:

- Chain-of Custodies
- Analytical data
- Instrument calibration and maintenance logbooks
- Assessment reports and checklists
- Course and On-the-Job Training completion records
- Completed Quality Improvement Forms
- Standard traceability certificates

C-6. Work Processes

All work must be authorized before commencing and work activities be conducted under conditions and controls that ensure worker safety and provide assurance that quality is achieved. Work processes will be performed per approved procedures.

C-6.1. Identification and Control of Items

Samples, generated as part of the O&M activities will be assigned unique identifiers. Documented traceability of sample identifiers is maintained throughout the handling of samples. Such documented traceability is referred to as the chain-of-custody process for samples and is described in SOP 4.2, "Sample Control and Documentation".

C-6.2. Identification and Control of Waste Products

Waste products generated by O&M activities will be received and managed per the LLNL Radioactive and Hazardous Waste Management Division SOPs. Waste will be assigned unique identifiers. Documented traceability of identifiers is maintained throughout the handling of a product (the CoC process) and for the data generated from the characterization of a product.

C-6.3. Handling, Storing, and Shipping of Items

Procedures have been developed to ensure that items associated with O&M activities are handled, stored, and shipped to prevent damage, loss, or deterioration.

Environmental samples will be handled, stored, and shipped per the requirements of SOP 4.3, "Sample Containers and Preservation" and SOP 4.4, "Guide to the Handling, Packaging and Shipping of Samples".

C-6.4. Equipment Calibration and Verification

All measuring and test equipment used at the treatment facilities should be calibrated, maintained, and controlled per ERD Standard Operating Procedure 4.8 "Calibration/Verification and Maintenance of Measuring and Test Equipment" and the EPD QAMP, Section 5.5.5, to assure conformance with standards of known accuracy and traceability. Facility technicians are responsible for ensuring the calibration status of all data collection and monitoring equipment is current prior to use. The calibration status of this equipment will be identified and tracked in a Calibration/Maintenance Log.

C-6.5. Operations and Maintenance

The Building 832 Canyon OU ground water treatment systems will be operated to treat ground water containing volatile organic compounds (VOCs), nitrate, and perchlorate. The water will be treated to meet the requirements specified by the Regional Water Quality Control Board (RWQCB). Building 832 Canyon OU soil vapor treatment systems will be operated to treat soil vapor containing VOCs to San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) standards. Therefore, O&M activities at this facility shall be controlled by quality procedures designed to meet these requirements.

C-6.5.1. Operations

The treatment facilities have a required monitoring program as described in the Compliance Monitoring Plan (CMP)/Contingency Plan for Interim Remedies (2002). Water and vapor samples are collected and analyzed to monitor the performance of the treatment systems in meeting Substantive Requirements for waste water discharge issued by the RWQCB and requirements of the SJVUAPCD.

The Building 832 Canyon OU treatment systems have their own set of operating procedures including startup, shutdown, normal operation, safety considerations, and maintenance procedures. These facility specific procedures will be developed and included in the facility O&M manual to cover the different modes of operation.

C-6.5.2. Maintenance

Two types of maintenance are performed at the Building 832 Canyon OU ground water treatment systems:

- Preventive
- Corrective

C-6.5.2.1. Preventive Maintenance

Preventive maintenance is performed on those treatment facility components that need routine servicing and are part of systems related to quality. The preventive maintenance schedule is kept at the facility with the operations procedures. Maintenance will be performed by LLNL Plant Engineering and/or ERD personnel, and will follow the requirements set in the O&M manual to ensure the maintenance functions are performed as planned.

Table C-2 is a tentative schedule of the preventive maintenance for the Building 832 Canyon OU treatment systems.

C-6.5.2.2. Corrective Maintenance

Corrective maintenance is performed when a system component fails or is beginning to fail and the quality of facility operations could be compromised if operation continues. Using the graded approach, root cause analysis is performed when a component fails before the corrective maintenance action commences. This is to ensure that the nature of the problem is understood and can be prevented. This root cause analysis is also used to modify the preventive maintenance plan where appropriate. The results of the root cause analyses are documented in the daily facility operations logbook. Quality Improvement Forms are used to document component failures, root cause analysis, and preventive maintenance per SOP 4.12. As with preventive maintenance, corrective maintenance is performed by Plant Engineering personnel or ERD personnel in accordance with this QA/QC plan.

All corrective maintenance actions and their times of completion are recorded in the facility daily operations logs. Once complete, the specific component or system is started up and operated. This ensures that the maintenance was correctly performed and that system quality is maintained. An entry in the facility log is made, indicating that an operational check was made following preventive or corrective maintenance and the performance of the new component is noted. If successful, the system is allowed to resume normal operations. Startup sampling will be performed upon system restart, if necessary, in accordance with the requirements of the CMP for the Building 832 Canyon OU treatment system.

When the O&M manual for the Building 832 Canyon OU ground water treatment systems is developed, it will indicate the required spare parts for system components that have relatively high risk of failure or a long lead time for procurement. These components are to be maintained onsite to prevent extended shutdown of the treatment system.

C-7. Inspection and Acceptance Testing

The Technician Supervisor and Remediation Engineer shall maintain cognizance of incoming and stored materials and items and inspect or test them for conformance to requirements, as necessary. They shall tag rejected items to ensure that they are not inadvertently used.

Lockout tags shall be tied on electrical equipment, lifts and hoists, valves, etc. where such items (1) are unsafe to use, (2) are uncertified, or (3) may pose a risk to personnel working on the system per the requirements of SOP 4.16, “ERD Lockout/Tag Program”.

C-8. Assessment/Verification

ERD performs QA/Management self-assessments of the treatment facilities triennially. These assessments review treatment facility activities to QA and Environmental Safety and Health (ES&H) requirements and procedures. A member of the ERD management team participates on the assessment team to identify, correct, and prevent management problems that hinder the achievement of ERD’s objectives. ERD uses the results of the assessments performed by internal and external organizations to assess the performance of treatment facility activities.

Additional information on assessment tools can be found in the ERD Quality Assurance Project Plan (1999) and the EPD QAMP (2004).

C-8. References

Dibley, V. (1999), *Environmental Restoration Division, Quality Assurance Project Plan, Livermore Site and Site 300 Environmental Restoration Projects,* Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-103160 Rev. 2).

Goodrich, R., and R. Depue (Eds.) (2003), *LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures (SOPs),* Lawrence Livermore National Laboratory Livermore, Calif. (UCRL-MA-109115 Rev. 11).

Ferry, R., L. Ferry, M. Dresen, T. Carlsen, (2002), *Compliance Monitoring Plan/Contingency Plan for Interim Remedies at Lawrence Livermore National Laboratory Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-147570).

LLNL (November 2004), *Environmental Protection Department Quality Assurance Management Plan, Rev. 4,* Lawrence Livermore National Laboratory, Livermore Calif. (UCRL-AR-146357).

LLNL (2004), *Environmental Restoration Division, Operations and Maintenance Manual, Volume 1: Treatment Facility Quality Assurance and Documentation*, Lawrence Livermore National Laboratory, Livermore, Calif.

U.S. DOE (2004), DOE Order 414.1B, Quality Assurance Program, Office of Nuclear Safety Policy and Standards.

U.S. Environmental Protection Agency (1998), Guidance for Quality Assurance Project Plans (QA/G-5), EPA/600/R-98/018, Office of Research and Development.

Table C-1. Applicability of the EPD QAMP elements to the operation and maintenance of the Building 832 Canyon OU extraction and treatment systems.

EPD QAMP requirement	Title	Applicable ?
Element 1	EPD Quality Assurance Program Description	Yes
Element 2	Training and Qualification	Yes
Element 3	Quality Improvement	Yes
Element 4	Document and Records	Yes
Element 5	Work Processes	Yes
Element 6	Design Control	Yes
Element 7	Procurement	Yes
Element 8	Inspection and Acceptance Testing	Yes
Element 9	Management Assessment	Yes
Element 10	Independent Assessment	Yes

Notes:

EPD = Environmental Protection Department.
OU = Operable Unit.
QAMP = Quality Assurance Management Plan.

Table C-2. Preventive maintenance for the Building 832 Canyon OU treatment systems.

Action	Frequency/comments
Inspect submersible pump	Annually
Check aqueous-phase granular activated carbon (GAC) units and associated piping	Weekly
Check bioreactor units and associated piping[a]	Weekly
Check ion exchange units and associated piping[a]	Weekly
Check discharge lines	Weekly
Monitor pump controller	Weekly
Monitor level sensors	Weekly
Monitor pressure indicators	Weekly
Monitor pH meter	Weekly
Monitor flow indicator	Weekly
Inspect miscellaneous hoses, seals, fittings, etc.	Weekly
Perform preventive maintenance for well pumps	Quarterly
Perform preventive maintenance for temperature sensors	Annually
Perform preventive maintenance for temperature indicators	Annually
Remove organic growth beneath misting system.	Annually
Trim/remove excess organic growth in bio-reactors	Annually
Back flush fines from bio-reactor	Annually
Inspect/replace peristaltic hose	Weekly
Monitor piezometric level of infiltration trench	Quarterly
Monitor/adjust bio-reactor water level	Weekly
Monitor/adjust acidic acid injection rate	Weekly
Interlock check	Annually
Clean Solar Array	As needed
Check electrical breakers and disconnects[b]	Annually
Inspect sampling ports	Before use
Clean organic debris from area surrounding the building	As needed

[a] Where unit is present as part of treatment train of the facility.

[b] All electrical system maintenance to be performed by a qualified electrician or electrical technician.

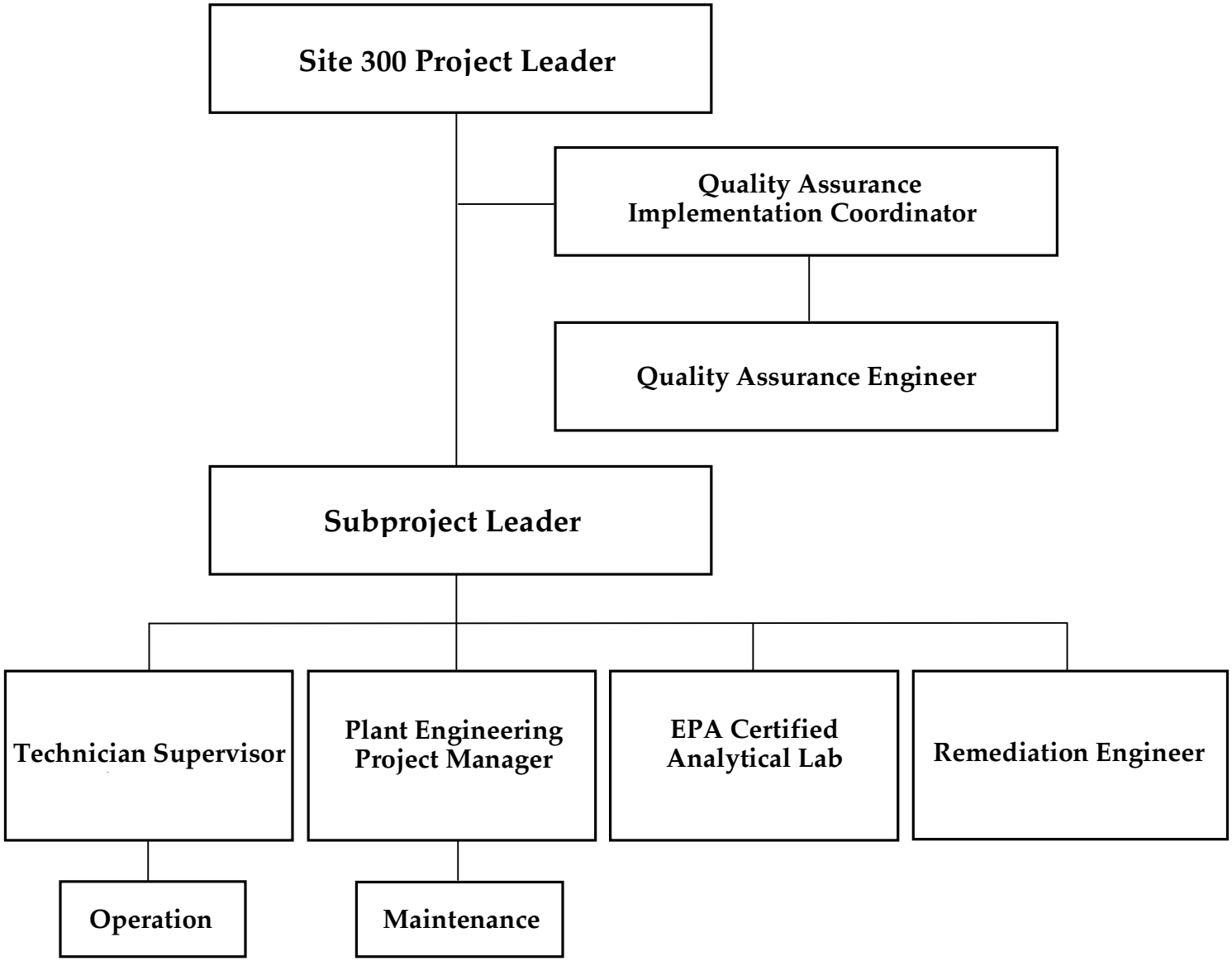

Figure C-1. Organizational chart for O&M QA/QC for the Building 832 Canyon treatment facilities.

Appendix D

Operations and Maintenance Health and Safety Plan

Appendix D

Operations and Maintenance Health and Safety Plan

This Appendix contains the Operations and Maintenance (O&M) Health and Safety Plan for the Building 832 Canyon Operable Unit (OU) ground water and soil vapor extraction (SVE) and treatment facilities.

D-1. Reason for Issue

Safety procedures are required to operate and maintain the ground water and SVE and treatment systems for the Building 832 Canyon OU. This Health and Safety Plan serves as an administrative tool to summarize the requirements of the Lawrence Livermore National Laboratory (LLNL) Environment, Safety, and Health (ES&H) Manual (LLNL, 2004) and Site Safety Plan for LLNL Site 300 (LLNL, 2000), that are pertinent to the Building 832 Canyon OU treatment facility O&M. The requirements of the LLNL ES&H Manual are based on Department of Energy's (DOE's) Integrated Safety Management System Principles and Work Smart Standards.

D-2. Work to be Performed and Location of Activity

D-2.1. Location of Treatment Facilities

The Building 832 Canyon Operable Unit (OU) occupies approximately 70 acres in the southeast portion of Lawrence Livermore National Laboratory (LLNL) Site 300 (Figure 1). Four ground water and two soil vapor treatment facilities have already been constructed and are operating at present. Building 832-Source (B832-SRC) ground water and soil vapor treatment facility is south and across the street from Building 832. The Building 830-Proximal North (B830-PRXN) ground water treatment facility is southwest of and downgradient from Building 830. The Building 830-Source (B830-SRC) ground water and soil vapor treatment facility is adjacent to Building 830. The Building 830-Distal South (B830-DISS) ground water treatment facility is located in the Building 832 Canyon, downgradient from Building 830. Locations of the treatment facilities are shown in Figure 2 of the Remedial Design report.

D-2.2. Treatment Objectives and Methods

The treatment systems in the Building 832 Canyon OU are used to remove VOCs, nitrate, and perchlorate from ground water to meet Substantive Requirements for discharge of treated water issued by the Regional Water Quality Control Board (RWQCB). Soil vapor is extracted to prevent impact to ground water and human exposure. Soil vapors are treated and discharged to

atmosphere under San Joaquin Valley Unified Air Pollution Control District requirements. Contaminated ground water will be pumped from extraction wells utilizing submersible pumps. Flow to the treatment facilities is not expected to exceed 10 gallons per minute per facility. Aqueous-phase granular activated carbon (GAC) will be used to remove volatile organic compounds (VOCs) from the extracted ground water. Ion-exchange units and/or biotreatment units will then treat perchlorate in the treatment facility influent. Nitrate will be treated by plant uptake via misting over native grasslands or by biotreatment units. VOCs in soil vapor will be removed by vapor-phase GAC.

D-2.3. Particulate Filtration

Extracted ground water passes through a five-micron filtration system to remove suspended particles from the ground water. This filtration process is designed to remove particulates from ground water that could reduce treatment system efficiency.

D-2.4. Ground Water Treatment Process

The B832-SRC facility treats ground water for VOCs, perchlorate, and nitrate and has been in operation since October 1999. Ground water is extracted from nine wells (W-832-12, W-832-13, W-832-14, W-832-15, W-832-16, W-832-17, W-832-18, W-832-20, and W-832-22) to remove source contamination and to mitigate plume migration. Ground water extraction rates at this facility are seasonally variable, ranging from 10 to 200 gallons per day. Ground water is treated using a Cuno filter for particulate filtration, three aqueous-phase GAC units connected in series to remove VOCs, and two ion exchange columns with SR-7 resin (also connected in series) to remove perchlorate. Treated ground water is discharged via a misting system. Expansions are planned for this facility in fiscal years 2005 and 2006 that will include the construction of a pipeline from 4 extraction wells downgradient from the Building 832 source area to the B832-SRC treatment facility.

The B830-SRC facility treats ground water for VOCs, perchlorate, and nitrate and has been in operation since February 2003. Ground water is extracted from three wells (W-830-1807, W-830-19, and W-830-59) to remove source contamination and to mitigate plume migration. These wells exhibit very low sustainable yield and are operated by timers that pump the wells at low flow rates until dry and then shut off while the water levels recover. Ground water from these wells is treated using three aqueous-phase GAC units connected in series to remove VOCs followed by treatment using two ion exchange units also connected in series to remove perchlorate. Treated water is then discharged via a misting tower. An expansion is planned for this facility in fiscal year 2006 that will include the construction of a pipeline from 7 extraction wells downgradient from the Building 830 source to the B830-SRC treatment facility.

The B830-PRXN facility treats ground water for VOCs and nitrate and has been in operation since October 2000. Ground water is extracted from extraction well W-830-57 using a solar-powered ground water treatment unit. The ground water is treated using three aqueous-phase GAC units connected in series to remove VOCs; the effluent is discharged to the ground via a French drain.

The B830-DISS facility treats ground water for VOCs, perchlorate, and nitrate and has been in operation since July 2000. Ground water is extracted from three wells (W-830-51, W-830-52,

and W-830-53) using natural artesian pressure. The ground water is treated using GAC units to remove VOCs. Nitrate and trace amounts of perchlorate are removed from the extracted ground water using bioreactor technology. The water flows through three open-container wetland bioreactors containing microorganisms that use nitrate during cellular respiration. Acetic acid is added to the process stream as a carbon source. Treatment system effluent is discharged via a storm drain that discharges to the Corral Hollow alluvium.

D-2.5. Discharge of Treated Ground Water

Treated ground water from the treatment systems in Building 832 Canyon OU will be discharged through misting towers or infiltration trenches. Treatment facility effluent sprayed from the misting towers typically will form a cloud of water vapor that quickly evaporates. Nitrate is or is expected to be present in the treatment facility's effluent and is discharged via misting towers. The amount of nitrate released during misting operations is not significant enough to cause detectable increases in nitrate deposition rates downwind of the facility. Therefore, misting of nitrate-containing treatment facility effluent is not expected to impact local ground water quality.

D-2.6. Soil Vapor Treatment Process

The B832-SRC facility extracts and treats VOC contaminated soil vapor from the same nine wells used for ground water extraction. A positive displacement rotary lobe blower is used to create a vacuum at each wellhead through a system of manifolded piping. The contaminated vapors are treated using three vapor-phase GAC units connected in series. Treated soil vapors are then discharged to the atmosphere under a permit from the San Joaquin Valley Unified Air Pollution Control District.

The B830-SRC soil vapor extraction and treatment system is being tested to evaluate whether this is a viable remediation technology for this low permeability source area. Soil vapor is extracted from well W-830-1807 using a regenerative blower and the contaminated vapors are treated using three vapor-phase GAC units connected in series. Treated soil vapors are then discharged to the atmosphere under a permit from the San Joaquin Valley Unified Air Pollution Control District. An expansion is planned for this facility in fiscal year 2006 that will include the construction of a pipeline from 1 extraction wells downgradient from the Building 830 source to the B830-SRC treatment facility.

D-3. Responsibilities

Ed Folsom, phone number (925) 422-0389, LLNL pager number 02892, and home phone number (925) 455-6750, is responsible for the safety of this operation and for assuring that all work is performed in conformance with this Health and Safety Plan. In the absence of the responsible individual, Greg Santucci, phone number (925) 422-3089, LLNL pager number 06502, shall assume these responsibilities.

Any changes in operations that improve or do not significantly affect safety and environmental controls may be approved by the responsible individual(s) listed above, and the LLNL ES&H team leader. The responsible individual will ensure that this action is documented

in a memorandum. Any changes in the operation that increase the hazard level, introduce additional hazards, or decrease safety shall not be made until a revision to this Health and Safety Plan has been reviewed and approved, consistent with the LLNL Environmental Restoration Division (ERD) review and approval process.

Before starting operation, the responsible individual shall verify and document that the operating personnel have read and understand the Health and Safety Plan, relevant Integration Work Sheets (IWSs), and associated LLNL ES&H Manual sections referenced in Section D-5 below.

D-4. Hazard Analysis

A Preliminary Hazard Analysis of the Site 300 treatment facilities was conducted by LLNL Hazards Control. The Hazards Control team classified the ERD treatment facilities as "excluded" facilities. An excluded facility is a facility that is not designated by DOE as a nuclear facility or by LLNL as a high-, moderate-, or low-hazard non-nuclear facility. Excluded facilities do not require Facility Safety Procedures. However, a number of hazards are associated with work at the Building 832 Canyon OU as described below.

D-4.1. Noise Hazard

Irreversible hearing loss can occur due to long-term exposure to noise from operating heavy equipment and other construction activities. Noise can also aggravate pre-existing hypertension. The American Conference of Industrial Hygienists has established a standard of 85 dBA over an 8-hour day. Exposure to noise louder than 85 dBA is permitted as long as the average exposure for the entire day is less than 85 dBA.

D-4.2. Electrical Hazard

A 480, 208/230, and 110 VAC electrical power supply is used to operate the Building 832 Canyon OU ground water and soil vapor extraction and treatment systems. Electrical shock and injury may occur if personnel come into contact with exposed energized parts during servicing and maintenance activities.

D-4.3. Seismic Hazard

Personnel may be injured during an earthquake due to falling equipment or missile hazards (equipment or materials moving energetically due to seismic forces).

D-4.4. Chemical Hazard

VOCs, consisting primarily of trichloroethene (TCE), are expected to be in the extracted ground water treated in all the Building 832 Canyon OU remediation systems. Concentrations of TCE in the treatment systems influent are expected to range from 29 μg/L to 4,100 μg/L. Other VOC that were periodically detected in the Building 832 Canyon OU treatment system influent during 2003 include: tetrachloroethene at 12 μg/L, chloroform at 0.69 μg/L, 1, 2-dichloroethane at 2.8 μg/L, and cis-1, 2- dichloroethene at 1.4 μg/L. TCE has been detected in soil vapor up to

35 parts per million per volume (ppm_v). These VOCs are listed as potential carcinogens and kidney and liver toxins that may enter the body through inhalation, skin absorption, and/or ingestion. It is irritating to the eyes, nose, and throat and may affect the central nervous system.

Nitrate (as NO_3) is expected to be in extracted ground water treated by the Building 832 Canyon OU treatment facilities at concentrations ranging from 17 mg/L to 135 mg/L. Nitrate is non-carcinogenic but significant concentrations of nitrogen in drinking water has been linked to methemoglobinemia, or blue baby syndrome, a potentially fatal disease of infants.

Perchlorate is or is expected to be contained in extracted ground water treated by the Building 832 Canyon OU treatment facilities at concentrations ranging from <4 μg/L to 13 μg/L. The concerns surrounding perchlorate contamination involves its ability to inhibit iodide anion uptake by the thyroid. This results in decreased thyroid hormone production that can affect metabolism, growth, and development. Perchlorate is currently listed as non-carcinogenic however additional studies are being conducted to provide data to evaluate the potential for cancer risk.

D-4.5. Explosives Hazard

No explosives are treated by the treatment facilities located in the Building 832 Canyon OU. However, high explosives are mechanically pressed and machined into shaped detonation devices at within the High Explosives Process Area. The major hazards from explosives are personal injury and property damage caused by heat, blast, noise, fumes, and flying debris or projectiles from unintentional or inadequately controlled ignition or explosion of such materials.

D-4.6. Confined Space Hazard

A confined space is defined as an enclosed area that is large enough for an employee to enter and perform assigned work, has limited or restricted means of entry or exit, and is not designed for continuous human occupancy. If an ignition source is present in or introduced into an enclosed space that contains flammable gases, solvents, or dust, the atmosphere may burn or explode. Serious injury or death may result when the atmosphere contains even low concentrations of toxic gases.

D-4.7. Hand and Portable Power Tool Hazard

The Laboratory provides hand and portable tools that meet accepted national safety standards. However, these tools can still cause injury and must be properly used and maintained.

D-4.8. Working Alone Hazard

Working alone means performing any activity out of sight or communication for more than a few minutes at a time. For work on exposed energized electrical equipment, an individual is considered to be working alone if not within sight of someone else. The major danger in working alone is sustaining an illness or injury that precludes self-rescue.

D-4.9. Physical and Biological Hazards

Physical hazards associated with working at Site 300 include extreme temperatures with temperatures often exceeding 100º F in the summer. High air temperatures coupled with use of semi-permeable or impermeable protective clothing and/or strenuous physical activities have a high potential for inducing heat stress in workers. In addition, hazardous conditions may exist during lightning storms at Site 300. Biological hazards include rattlesnakes and insects (i.e., tarantulas, black widow spiders, scorpions, etc.).

D-4.10. Slip/Trip/Fall Hazards

The surfaces that operators stand or work on can be hazardous if not properly designed or maintained. Injuries can result from slips, trips, or falls on work surfaces. Work at heights or at elevated locations can also pose a fall hazard.

D-4.11. Material Handling Hazards

The hazards associated with improper material handling include being struck by a load, losing control of a load, physical overexertion, and exceeding equipment capacities. Such accidents can lead to injuries.

D-4.12. Mechanical Motion Hazards

A wide variety of mechanical motions and actions may present hazards to personnel. These can include the movement of rotating members, reciprocating arms, moving belts, meshing gears, cutting teeth, and any part that may cause impact or shear. These different types of hazardous mechanical motions and actions are basic in varying combinations to nearly all machines.

D-4.13. Fire Hazards

Vehicle travel off-road into grassy areas may be necessary during pipeline and/or well maintenance. Hot engine and vehicle exhaust components may present a fire hazard when contacting high, dry grass or vegetation.

D-5. Hazard Control

Controls for the hazards identified in Section D-4 are based on selected sections of LLNL ES&H Manual, the Site Safety Plan for LLNL CERCLA Investigations at Site 300 (2000), and Site 300 Environmental Restoration Project IWSs.

D-5.1. Noise Hazard Control

Personnel are required to wear noise protection when working within a noise hazard area. ES&H Team 1 shall be notified each time new drilling or generator equipment is brought on site, so that an evaluation of noise exposures can be conducted. Participation in a hearing conservation program is required for all individuals exposed to noise levels that equal or exceed

an 8-hour time-weighted average of 85 dBA or the peak level of 140 dBC. Noise safety precautions will be followed as outlined in the LLNL ES&H Manual, Document 18.6, "Hearing Conservation".

D-5.2. Electrical Hazard Control

D-5.2.1. Access Control

Inadvertent contact with energized equipment is prevented by limiting access to the breaker switches. All breaker switches are contained in cabinets with keyed locks. Energized circuits are insulated from personnel contact.

D-5.2.2. Electrical System Maintenance Safety Procedures

Personnel shall be trained to HS5220-W, "Electrical Safety Awareness"; HS5230-W, "High Voltage Safety"; HS5245, "Lock & Tag"; HS5250, "Working on Energized R&D Equipment"; and HS5210-W, "Capacitor Safety Orientation". All electrical systems shall be checked for grounding continuity. Ground Fault Circuit Interrupters (GFCIs) shall be used on power outlets, temporary power cords (120 VAC), generators, and all power tools. Portable generators are to be used and maintained according to the assured ground program. Generators shall not be used in the rain. When practical, mechanical barriers and interlock systems shall be used. All breaker switches are contained in cabinets with keyed locks. All electrical equipment and systems will meet LLNL electrical standards and UL standards. All applicable controls stated in the LLNL ES&H Manual, Document 16.1, "Electrical Safety", 16.2, "Work and Design Controls for Electrical Equipment", and 16.3, "LLNL Authority Having Jurisdiction Requirements for Approving Electrical Equipment, Installations and Work" shall be followed. Only qualified electricians or electrical technicians may work on electrical systems.

D-5.3. Seismic Hazard Control

Equipment greater than 5 ft tall will remain securely bolted to concrete pads to avoid damage and injury during an earthquake. To preclude injury from missile hazards (equipment or materials moving energetically due to seismic forces), any equipment or materials stored at a height of 5 ft or more shall be seismically restrained.

D-5.4. Chemical Hazard Control

Concentrations of contaminants in the treatment facility influent are generally several orders of magnitude lower than the recommended permissible exposure limits (PELs) or threshold limit values (TLVs) for these chemicals. Therefore, it is not anticipated that exposure levels in excess of PELs or TLVs will be encountered. However, precautions, such as use of personal protective equipment or clothing (i.e., gloves, safety glasses) should be taken to prevent exposure when potential contact with contaminated, untreated ground water is possible per the requirements of LLNL ES&H Manual, Document 11.1, "Personal Protective Equipment." In addition, to prevent the ingestion of hazardous materials, workers should wash their hands prior to eating, drinking, smoking, or using restroom facilities. The Material Safety Data Sheets for the chemical

encountered at Building 832 Canyon OU are maintained at the technician's office at Site 300 and in the Site Safety Plan for LLNL CERCLA Investigations at Site 300 (2000). Additional information on the safe handling of chemicals can be found in the LLNL ES&H Manual, Document 14.1, "LLNL Chemical Safety Management Program."

D-5.5. Explosives Hazard Control

Explosives treatment or handling is not anticipated as part of the construction activities in the Building 832 Canyon OU at this time. When remote operations occur in the Building 832 Canyon OU, access to the area is restricted. Workers must complete and follow the safety procedures covered in Course HS0095W "Site 300 Safety Orientation Training." This course contains information regarding signs, procedures, and controls used to minimize exposure to hazards related to Site 300 activities. Although no explosives are used in environmental restoration activities, it is imperative that workers follow the special safety and access requirements for the Building 832 Canyon OU during construction activities in this area.

D-5.6. Confined Space Hazard Control

Confined space entries are not anticipated as part of construction activities in the Building 832 Canyon OU at this time. However, construction personnel and technicians should be familiar with and perform all work in confined spaces in accordance with the LLNL ES&H Manual, Document 18.7, "Working in Confined Spaces." The Hazards Control Team 1 will be contacted prior to entry of any confined spaces. A Confined Space Permit is required, and only qualified personnel with recent Confined Space Training are permitted to work in confined spaces. Personnel must follow the Two-Man Rule when working in confined spaces. Personnel shall contact the CAS Operator via trunked radio in case of emergency.

D-5.7. Hand and Portable Tool Hazard Control

Facility technicians and construction personnel are responsible for selecting and using the proper tools for the job assigned and for wearing the appropriate personal protective equipment (i.e., safety glasses, etc.) when working with hand and portable tools. All hand and portable tools should be inspected prior to use to make sure they are not damaged and are in good-working condition. Any tool that is damaged or unfit for use should be immediately removed from service. Personnel are responsible for following the work safety standards outlined in LLNL ES&H Manual, Document 11.2, "Hazards—General and Miscellaneous" Chapter 5.0, *Hand and Portable Power Tools* and Document 19.1, "LLNL Ergonomics Program". Personnel are responsible for wearing the appropriate PPE such as safety glasses, gloves, and steel toed boots, as appropriate.

D-5.8. Working Alone Hazard Control

When working alone on a non-hazardous activity, facility technicians and construction personnel will advise a co-worker or supervisor that they will be working alone and when they expect to return. For potentially hazardous activities, technicians will: (1) exercise prudent judgment whether or not to perform the activity alone, and (2) obtain prior authorization from work supervisor before beginning planned hazardous-work-alone operations to ensure that all

hazards have been thoroughly evaluated from the perspective of working alone. Work supervisors are responsible for ensuring an IWS is prepared for activities classified as hazardous for working alone. Personnel are responsible for following the work safety standards outlined in LLNL ES&H Manual, Document 11.2, "Hazards—General and Miscellaneous" Chapter 12.0, *Working Alone* and the Environmental Restoration Division Working Alone Guidelines (in ERD O&M Manual, Appendix L) for all work-alone activities.

D-5.9. Physical and Biological Hazard Control

During late spring and summer months, technicians and construction personnel should ingest fluids and evaluate their physical conditions regularly and break when necessary to avoid overheating. Work should be conducted in accordance with the LLNL ES&H Manual, Document 11.2, "Hazards—General and Miscellaneous" Chapters 16.0, *Heat Stress* and 19.0 *Working Outdoors*. All personnel should follow procedures outlined in the Site 300 Lightning Procedures (S300 MGM-T-7) during a lightning alert at Site 300. A lightning alert means the weather conditions are potentially conducive to lightning. Lightning alerts are announced through the Site 300 communications systems. Employees and visitors must evacuate and remain outside explosives hazard zones until a lightning alert is cleared.

Technicians and construction personnel should inspect work areas for snakes and other biological hazards before commencing work. The use of high top work boots is recommended. Avoid biological hazards when possible; do not harass wildlife. Anyone who is bitten should be moved to a safe area and kept calm. Notify the Emergency Dispatch by calling 911.

D-5.10. Slip/Trip/Fall Hazard Control

Work surfaces around the treatment facilities should be properly maintained at all times to prevent slips, trips, and falls. Maintenance includes assuring all spills and foreign materials (i.e., tools, excess equipment, etc.) are promptly removed, installing rubber or slip resistant mats at locations that may accumulate water, and ensuring that floor openings are equipped with adequate covers when worker exposure is possible. Any access to elevated locations or work at heights requires guardrails, an administrative control system, or fall protection devices. Personnel are responsible for following the work safety standards outlined in LLNL ES&H Manual, Document 11.1, "Personal Protective Equipment" and Document 11.2, Chapters 2.0, *Housekeeping* and 17.0, *Walking and Working Surfaces*.

D-5.11. Material Handling Hazard Control

Operators should use methods that ensure personal safety and safety of the material being handled when lifting or handling materials manually. Objects that are too heavy or bulky to handle safely should be moved using more than one person or mechanical lifting device. All material lifting or handling should be performed in accordance with the safety standards and procedures for lifting contained in the LLNL ES&H Manual, Document 15.2, "Manual and Mechanical Material Handling."

D-5.12. Mechanical Motion Hazard Control

Any machine part, function, or process, which may cause injury shall either be guarded (physical barriers which prevent access to danger areas) or safeguarded (provided with devices which inhibit machine operation, to mitigate or eliminate danger areas).

Machine operators shall be trained in the proper use of equipment and associated guards/safeguards to protect themselves and others from machine-related hazards. Machine operators shall wear protective clothing or personal protective equipment as necessary whenever engineering controls are not available or are not fully capable of protecting personnel. At a minimum, all personnel operating or working within close proximity of heavy machinery or equipment shall wear safety shoes and safety glasses. When there is a potential for head injury, hard hats shall be worn. Additional details for personal protective equipment are contained in the LLNL ES&H Manual, Document 11.1.

D-5.13. Fire Hazard Control

As part of the LLNL program to control fire hazards, permits are required for welding, soldering, and other hot-work operations with a high fire potential. The permits are obtained from the LLNL Fire Department at Site 300. Construction areas shall be maintained in a fire-safe condition, including ensuring that the construction site is accessible to the Fire Department. Technicians will obtain fire permits for all soldering or welding work with a high fire potential. This work will be also be conducted in accordance with the requirements of the LLNL ES&H Manual, Document 22.5, "Fire", LLNL Fire Protection Program Manual, and National Fire Protection Association (NFPA) 51 (Standard for Fire Prevention During Welding, Cutting, or Other Hot Work).

In addition, technicians must obtain approval to access any construction work site that requires off-pavement travel as defined by the LLNL "Restricted Off-Pavement Travel at Site 300" policy manual. Technicians planning to travel off-pavement must receive prior permission from the Site 300 Manager, the Functional Area Supervisor, and the CAS Operator and carry a trunked radio for communications. In addition, appropriate training is required for all personnel engaging in off-road travel at Site 300. Personnel should not park or drive through dry, tall grass. Technicians performing off-road travel during construction activities shall be familiar with the "Restricted Off-Pavement Travel at Site 300" manual (LLNL, 2001), LLNL ES&H Manual, Document 21.3, Chapter 4.0, *Off Pavement Travel*, and IWS 11313.

In case of fire, contact the LLNL Fire Department by dialing 911 or 925-447-6880 from a cellular phone.

D-6. Stop Work Procedures

LLNL's stop-work procedure applies to all work done at the Laboratory. Activities that are imminently dangerous to workers, the public, or the environment shall be stopped immediately by any Laboratory employee, supplemental labor employee, or contractor. Each worker is empowered to stop work if there is a perceived unsafe or unapproved condition. "Stopping work" includes stabilizing an imminent danger situation to the extent that it can be left unattended for a prolonged period of time until the issue is resolved. The person requesting the

work stoppage shall notify manager responsible for the work. The manager shall notify the area ES&H Team and the Directorate ES&H Assurance Manager as soon as possible of this action. Informal stop work interventions to correct minor conditions (e.g., to remind workers to put on their hard hats, safety glasses etc.) do not require formal notification. Details of the Stop Work Process are included in the LLNL ES&H Manual, Document 2.1, "Laboratory and ES&H Policies, General Worker Responsibilities, and Integrated Safety Management."

D-7. Environmental Concerns and Controls

D-7.1. Ground Water and Soil Vapor Extraction and Treatment Systems

Concern:

- Discharge of untreated ground water or soil vapor.

Controls:

- Interlocks shut off the system and the flow of air and water if physical damage to key treatment system components occurs.
- Scheduled sampling per CMP monitors treated ground water discharge.
- Scheduled sampling per SJVUAPCD requirements monitors treated soil vapor discharge.
- Facility operator inspects the system periodically.

D-8. Training

D-8.1. Basic Facility Operator Courses

The following courses are required for all Building 832 Canyon OU treatment facility operators:

- HS-0039—SARA/OSHA Training (40-hour course with yearly refreshers).
- HS-0001—New Employee Safety Orientation.
- HS-1620—Standard First Aid (First Aid Certification valid for 2 years).
- HS-5300—Back Care Workshop.
- HS-5605 – Driving the Site 300 Trails.
- HS-5606W – LLNL Radio Course.
- HS-0095— Site 300 Safety.
- HS-2080—Site 300 Explosives Safety Training for Crafts, Protective Services, and Fire Personnel.

D-8.2. Selective Training Courses

The following courses may be required when they apply to the tasks assigned to the facility operator:

- HS-0006—Hazardous Waste Handling Practices (refresher training required annually).
- HS-4150—Confined Space Entry.
- HS-4240—Chemical Safety.
- HS-5220—Electrical Safety (required every 5 years).
- HS-5245—Lockout and Tag Procedure (refresher training required every 5 years).

D-8.3. Training Responsibilities and Documentation

Training courses identified in this section do not qualify a person to operate the treatment equipment and treatment systems located in Building 832 Canyon OU. Only the responsible individual(s) identified in Section D-3 of this Health and Safety Plan will determine if and when a person is qualified to operate the treatment facilities. Once qualified, the technician supervisor records that the technician has been qualified as a treatment facility operator.

The responsible individual, or designee, shall ensure that all required training (including on-the-job training if applicable) is completed and documented in the LLNL Laboratory Training Records and Information Network. Untrained personnel may work under the supervision of a trained person until the required training is completed.

D-9. Maintenance

Items requiring periodic maintenance do not impact the safety of the operation. Interlocks shall be tested annually.

D-10. Quality Assurance

O&M activities at the Building 832 Canyon OU treatment facilities shall be controlled by quality procedures designed to meet ground water and soil vapor treatment and discharge requirements specified by the RWQCB and the SJVUAPCD. Controls to prevent the discharge of untreated ground water and meet quality objectives include:

- Annual interlock function checks shall be performed by the Facility Electronics Staff or Plant Engineering Electronic Engineering Staff. Test documentation shall be maintained by the Facility Electronics Supervisor, or designee.
- Scheduled weekly, monthly, quarterly, and annual sampling of water and vapor to ensure compliance and quality.
- Treatment facility-related analytical data will be reviewed by the Quality Control Chemist or designee to ensure the data meets quality objectives.

D-11. Emergency Response Procedures

In the event of an emergency, facility operations personnel will first dial 911 or 925-447-6880 from a cellular phone to report to the Emergency Dispatcher, then administer first aid, if necessary and if trained appropriately, to injured personnel. The Emergency Dispatcher uses reserved telephone lines to promptly relay the emergency call to the following members of the LLNL Emergency Response Team:

- Fire Department.
- Security Department.
- Hazards Control Safety Teams.
- Plant Engineering.
- Health Services.

The Emergency Response Team will go to the scene of the emergency immediately. The phone numbers of individuals to be notified in the event of an emergency during off-shift hours are posted at the Building 832 Canyon OU treatment facilities. The LLNL ES&H Manual describes the emergency response procedures in Document 22.1, "Emergency Preparedness and Response" and Document 22.2, "Environmental Emergency Response."

The Site 300 Environmental Restoration Division Emergency Self-Help Plans for buildings 843 and 835 and trailer 8726 outline the self-help procedures personnel follow in the event of a disaster.

D-12. Applicable Documents

The following documents and/or sections thereof apply to the safe operation of the Building 832 Canyon OU treatment facilities and are incorporated into this Health and Safety Plan by reference.

#11313	Site 300 Off Road 4 Wheel Driving Training and Restricted Travel to Perform ERD Activities
#11314	ERD Site 300 Ion Exchange Resin Replacement
#11324	ERD Site 300 Tractor and Forklift Operation
#11325	Post Well Completion, Testing, Evaluation, Construction and Demolition of Wells and Treatment Equipment
#11339	ERD Site 300 Hydraulic Pump Truck Operation
#11340	B843 Machine Shop Operations
#11341	Ground Water And Soil Vapor Treatment Facility Operations at Site 300
#11346	Recycling spent activated carbon by contractor
#11579	ERD Electronic Routine Electronic Operations

D-8.2. LLNL Environment, Safety, and Health Manual Sections

Document 2.1 Laboratory and ES&H Policies, General Worker Responsibilities, and Integrated Safety Management

Document 2.5 Procured Services Subcontractor Environment, Safety, and Health Program

Document 11.1 Personal Protective Equipment

Document 11.2 Hazards—General and Miscellaneous

Chapters 2.0 Housekeeping

Chapter 5.0 Hand and Portable Power Tools

Chapter 12.0 Working Alone

Chapter 16.0 Heat Stress

Chapter 17.0 Walking and Working Surfaces

Chapter 19.0 Working Outdoors

Document 12.6 LLNL Lockout/Tagout Program

Document 14.1 LLNL Chemical Safety Management Program

Document 15.2 Manual and Mechanical Material Handling

Document 16.1 Electrical Safety

Document 16.2 Work and Design Controls for Electrical Equipment

Document 16.3 LLNL Authority Having Jurisdiction Requirements for Approving Electrical Equipment, Installations and Work

Document 18.6 Hearing Conservation

Document 18.7 Working in Confined Spaces

Document 19.1 LLNL Ergonomics Program

Document 21.3 Vehicle Operations and Traffic

Chapters 4.0 Off-Pavement Travel

Document 22.1 Emergency Preparedness and Response

Document 22.2 Environmental Emergency Response

Document 22.5 Fire

D-12.3. Site Safety Plan for LLNL CERCLA Investigations at Site 300, November 2000

D-12.4. Site 300 Environmental Restoration Emergency Self-Help Plans

Site 300 Trailer 8726

Site 300 Building 835

Site 300 Building 843

D-12.5. Treatment Facility Operating Manuals for the Building 832 Canyon OU Ground Water Treatment Facilities

Operations and Maintenance Manual Volume 1: Treatment Facility Quality Assurance and Documentation

Operations and Maintenance Manual: Solar Treatment Units (to be produced)

Operations and Maintenance Manual: Biotreatment Unit, Containized Wetlands (to be produced)

D-12.6. LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures (SOPs) (Goodrich and Depue, 2003)

D-13. References

Goodrich, R., and R. Depue (2003), *LLNL Livermore Site and Site 300 Environmental Restoration Project Standard Operating Procedures (SOPs)*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-109115 Rev. 11).

LLNL (2000), *Site Safety Plan for Lawrence Livermore National Laboratory CERCLA Investigations at Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-21172 Rev. 3).

LLNL (latest edition), *Fire Protection Program Manual*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-MA-116646).

LLNL (2004), LLNL Site 300 Environment Restoration Division Emergency Self-Help Plan, Trailer 8726.

LLNL (2004), LLNL Site 300 Environment Restoration Division Emergency Self-Help Plan, Building 835.

LLNL (2004), LLNL Site 300 Environment Restoration Division Emergency Self-Help Plan, Building 843.

LLNL (2001), *Restricted Off-Pavement Travel at Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-MI-144038).

LLNL (2004), LLNL Environment, Safety, and Health Manual.

LLNL (2004), Operations and Maintenance Manual Volume 1: Treatment Facility Quality Assurance and Documentation.

Appendix E

Substantive Requirements
Building 832 Canyon OU Treatability Study and Building 854 OU

SUBSTANTIVE REQUIREMENTS
BUILDING 832 CANYON OU TREATABILITY STUDY
AND
BUILDING 854 OU
LAWRENCE LIVERMORE NATIONAL LABORATORY SITE 300
U.S. DEPARTMENT OF ENERGY
SAN JOAQUIN COUNTY

The California Regional Water Quality Control Board, Central Valley Region, (hereafter Board) finds that:

1. The U.S. Department of Energy and the Regents of the University of California, Lawrence Livermore National Laboratory Site 300, (hereafter jointly referred to as Discharger), propose to conduct treatability studies at the Building 832 Canyon Operable Unit (OU) and the Building 854 OU.

2. The Building 832 Canyon OU contains facilities that were used to test the stability of weapons and weapons components under various environmental conditions and mechanical stresses. Building 854 Complex was used for testing of electrical, mechanical and experimental devices containing inert or hazardous materials. At the Building 854 Complex, a TCE brine system with elevated outdoor piping carried TCE between buildings. Contaminants were released to the subsurface as a result of these activities.

3. Groundwater, soil and soil vapor beneath the Building 832 Canyon OU are contaminated with volatile organic compounds (VOCs), primarily trichloroethylene (TCE). Releases occurred mainly at Building 830 and at the Building 832 Complex where TCE was used as a heat exchange fluid. Plumes of nitrate have also been identified in the vicinity of Building 830 and Building 832. Perchlorate has been detected in several wells in both the Building 330 and Building 832 areas.

4. Groundwater contaminants at the Building 854 OU are TCE, nitrate and perchlorate. The maximum detection of TCE in groundwater was 2,900 ug/l in well W-854-02. Nitrate has been detected in concentrations in excess of its MCL (45 mg/l) in groundwater samples from wells W-854-05 and W-854-08 (maximum detection of 180 mg/l from well W-854-08). Perchlorate has been detected at a maximum concentration of 16 ug/l in well W-854-11.

5. Most recent concentrations of TCE in the proposed extraction wells were 270 ug/l in W-854-03 and 140 ug/l in W-854-02. The maximum nitrate concentration was 43 mg/l in W-854-03 and 53 mg/l in W-854-02. The maximum perchlorate concentration in W-854-03 was 9.7 ug/l. No perchlorate has been detected in W-854-02.

6. The site is located in San Joaquin County in the Altamont Hills of the North Diablo Range, approximately 20 kilometers southwest of the town of Tracy. The Building 832 area is located in the southeast part of Site 300. The Building 832 Canyon OU is underlain by Tertiary-age Neroly Formation sedimentary bedrock units that form the canyon walls and Quaternary alluvium in the entrenched stream channels on the canyon floor. Depth to groundwater below ground surface ranges from 20 to 40 feet.

7. The Building 854 Complex is located in the southwest part of Site 300. It is underlain by an unsaturated Quaternary landslide deposit locally in excess of 70 feet thick. Underlying the landslide deposit is the Tertiary Neroly lower blue sandstone and the Cierbo formation. The contaminated aquifer occurs in the Neroly blue sandstone and the underlying upper Cierbo Formation.

8. Depth to groundwater at the proposed extraction wells at Building 854 is 116 feet at well W-854-03 and 140 feet at well W-854-02.

9. Treatability studies are proposed for the Building 832 Canyon OU and the Building 854 OU to evaluate the effectiveness of groundwater techniques in achieving source control and to assess the effect of source control on downgradient contaminant concentrations. As part of the treatability tests, hydraulic testing will be performed to evaluate extraction wells, determine extraction rates and contaminant concentrations and estimate capture zones.

10. To perform the treatability studies, the Discharger may use several types of groundwater remediation technologies including: 1) air stripping, 2) vapor-phase granular activated carbon (GAC), 3) resin columns, 4) aqueous-phase GAC, 5) iron fillings and 6) phytoremediation. Extraction techniques may include active and passive groundwater extraction and soil vapor extraction powered by natural hydraulic gradients, solar panels or supplied electricity.

11. The treatment systems will be located on property owned by the U.S. Department of Energy and will be managed under the direction of the Regents of the University of California. The Building 832 treatment facility (B832-TF1) will be located south and across the street from Building 832 (Figure 1). The Building 830 portable treatment unit (PTU) will be located adjacent to well W-830-19 (Figure 1). Other portable/solar treatment units may be used to extract and treat wells at various locations within the Building 830 area as needed.

12. At the Building 832 treatment facility groundwater will be extracted from 9 wells (Figure 1) to lower the water table and enhance the soil vapor extraction efforts (W-832-12, W-832-13, W-832-14, W-832-15, W-832-16, W-832-17, W-832-18, W-832-20 and W-832-22). Groundwater from these wells will be treated using an aqueous-phase GAC treatment unit. Extracted soil vapor will be treated using a vapor-phase

GAC treatment unit.

13. Groundwater from three extraction wells in the Building 830 area (W-830-19, W-830-25, and W-830-49) will be extracted and treated with a PTU. Groundwater from other wells near Building 830, including W-830-30 and W-830-34, and from well W-832-05 near Building 832 may be treated by solar powered (SWAT) units (Figure 1).

14. Other wells in the Building 832 Canyon OU, including W-830-10, W-830-51, W-830-52, W-830-53, W-830-56 and W-830-14, may be used as extraction wells for additional treatment facilities. In this event, a complete description of wells and treatment system parameters will be submitted to the Board. Discharge from all treatment facilities will adhere to the limitations defined in these Substantive Requirements.

15. Table 1 presents the historic maximum and most recent concentrations for four constituents of concern from a selection of key wells in the Building 832 Canyon OU.

16. The extracted groundwater at the Building 854 Complex will be treated by SWAT units.

17. The groundwater treatments systems (GWTSs) work as follows:

Building 832 Treatment Facility (Water) (Figure 1):

1. Independent well pumps pump extracted groundwater to the treatment facility.
2. The groundwater passes through a twenty-micron filtration system to remove suspended particles from groundwater.
3. The water then passes through three aqueous-phase GAC canisters placed in series, which remove the VOCs.
4. Water is then pumped to the discharge location where it will be discharged by misting nozzles that distribute the water over a large ground surface area.
5. The discharge point for this system will be located on the hill adjacent to and approximately 500 feet south of the treatment facility. The area is vegetated primarily with native grasses.

Building 832 Treatment Facility (Vapor)(Figure 1):

1. Contaminated soil vapors are pulled under vacuum from the subsurface by the action of a positive displacement blower.
2. Extracted soil vapor passes through a knock out chamber that separates water from the air stream.
3. Soil vapors then enter four GAC canisters (in series) which remove the VOCs from the air stream.

4. Treated soil vapors then are discharged to the atmosphere through a 12-ft stack.

Building 830 Treatment Facility (PTU) (Figure 1):

1. Extracted groundwater is pumped to the PTU.
2. Prior to entering the air stripper in the PTU, the groundwater passes through a five-micron filtration system to remove suspended particles.
3. Following filtration, the influent is aerated through a series of air blower trays, stripping out the VOCs.
4. Following treatment for VOCs, if the perchlorate concentration in the effluent is greater than the detection limit, the water will be fed to resin columns to remove perchlorate. Then the treated groundwater will be discharged to the hillside via a perforated pipe or will be misted directly onto the hillside as an appropriate method of discharging nitrate-bearing water
5. The VOC-laden vapors generated in the air stripper are treated in two vapor-phase GAC canisters connected in series.
6. If discharge is through a perforated pipe, the discharge area will be about 100 feet below well W-830-25 in the Canyon bottom. (Figure 1).
7. Monthly monitoring of the discharge area will be conducted to ensure that no runoff is occurring into a surface drainage system.

GTU/SWAT:

1. Extracted groundwater is pumped to the groundwater treatment unit.
2. Prior to entering the aqueous-phase GAC units, the groundwater passes through a five-micron filtration system to remove suspended particles from groundwater.
3. The influent passes from the filtration system to three aqueous-phase GAC units connected in series to allow the VOCs to adsorb to the GAC.
4. Following treatment for VOCs, the water will then be fed to resin columns if the perchlorate concentration in the effluent is above the detection limit.
5. Treated groundwater is then pumped to the discharge location where it will be discharged to a misting system where it will be misted to the hillside or it will be discharged to a percolation trench.
6. The discharge point for the unit extracting from W-830-30 and W-830-34 is located along the north slope of the drainageway/arroyo leading up to Building 830 (Figure 1).
7. The discharge point for the unit extracting from W-832-05 is located approximately 225 ft. south of well W-832-05 east of the road leading up the Building 832 complex (Figure. 1).
8. Treated groundwater from extraction well W-854-03 will be discharged to a percolation trench and from extraction well W-854-02 will be discharged by misting into the atmosphere on a nearby hillside similar to the method to be used

at the 832-TF-1 (Figure 2). An additional trench may be constructed to test in situ biological treatment of nitrate.

9. Monthly monitoring of the discharge area will be conducted to ensure that no runoff is occurring into a surface drainage system.

Iron Fillings Treatment System (Figure 1):

1. Extracted groundwater flows to the unit under passive hydraulic pressure.
2. The groundwater passes through a twenty-micron filtration system to remove suspended particles from groundwater.
3. The influent passes from the filtration system through four iron filling drums in parallel.
4. The water then passes through two aqueous-phase GAC units connected in parallel. (The iron filings should remove all VOCs. The GAC units will act as backup during this testing period.)
5. The iron filings treatment will raise the pH and cause iron dissolution into the treated water. In order to adjust the pH and remove the dissolved iron from the treated groundwater, following treatment for VOCs, the water will be fed through an aeration and sand filtration unit. If nitrate concentrations are at or above the MCL, the treated groundwater will then be fed through a phytoremediation system.
6. Treated groundwater will be discharged into the adjacent streambed.

14. If the Discharger needs to use groundwater discharge locations other than those listed above as a result of the testing of additional wells, discharge locations will be submitted to the Board for review prior to discharge.

15. For the nine wells connected to the B-832 TF1, the Discharger anticipates that the area will dewater relatively quickly based on dry boreholes in the area in the early 1990s and the perched nature of the existing water in thin, clayey sand units totaling about 10 feet in thickness. Dewatering should occur after removal of about 580,000 gallons of water.

16. At an extraction rate of 10,000 gallons/day, the dewatering will take place in about two months. Since groundwater recharge into the wells occurs only during the rainy season, the pumps are designed to automatically extract water from these zones as water accumulates so that dewatering occurs when necessary. After removal of the TCE and other VOCs by the GAC units, the treated groundwater will be misted on the hillside above the TF so the hillside vegetation will use that nitrate in the groundwater. If enough rainfall results in perched water accumulating over the wet season, this misting process will be repeated next year.

18. The Discharger anticipates that approximately 10,500 gallons/day can be extracted from wells W-830-19, W-830-25, and W-830-49 in the Building 830 area. The extracted groundwater will be treated in a PTU. The SWAT unit will treat approximately 3,000 gallons/day extracted from wells W-830-30, and W-830-34.

19. The extraction rate from wells W-854-02 and W-854-03 is estimated at one to three gallons per minute.

The Discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. Discharge Prohibitions

1. Bypass or overflow of untreated or partially treated waste is prohibited.

2. Discharge of waste classified as 'hazardous' or 'designated', as defined in Sections 2521(a) and 2522(a) of Chapter 15, is prohibited.

3. Discharge in violation of State Board Resolution 68-16 is prohibited.

B. Effluent Limitations

1. The discharge of groundwater effluent, in excess of the following limits is prohibited:

Compound	Maximum Daily Concentration (µg/L)[1]	Monthly Median Concentration (µg/L)
Tetrachloroethylene	5.0	0.5
Trichloroethylene	5.0	0.5
1,1-Dichloroethylene	5.0	0.5
1,2-Dichloroethylene	5.0	0.5
1,1,1-Trichloroethane	5.0	0.5
1,2-Dichloroethane	5.0	0.5
Chloroform	5.0	0.5
Freon 11	5.0	0.5
Total Volatile Organic Compounds [2]	5.0	0.5
Nitrate (as NO_3)	***	
Perchlorate[3]	18.0	ND<4

[1] Using EPA Method 601 with a detection limit of 0.5 µg/L or less for halogenated VOCs and EPA Method 353.2 with a detection limit of 500 µg/L for nitrate.
[2] Total VOCs will be the sum of all VOCs detected above the 0.5 µg/L concentration.

[3] Using EPA Method 300.0 with a detection limit of 4 µg/L.

***Nitrate will be removed from the system effluent by resin columns or phytoremediation or nitrate-bearing treated groundwater will be misted on the hillsides and nitrate will be used by vegetation. Nitrate levels for B-832 TF1 should average about 70 mg/L (ppm). Discharge from this facility should last for no more than two months based on the estimated volume of water available for pumping at the facility (see Sec. 13 above). Monthly monitoring of the discharge area will be conducted to ensure that no runoff is occurring in the hillside discharge area.

2. The discharge of individual VOCs other than those listed in B.1 above in excess of the 5.0 µg/L maximum daily concentration and the 0.5 µg/L monthly median concentration using EPA Method 601 is prohibited.

3. All chromatograph peaks for EPA Method 601 shall be identified.

4. The treated groundwater will not have a pH less than 6.5 or greater than 8.5.

5. The Discharger shall use the best practicable cost-effective control technique currently available to limit mineralization to no more than a reasonable increment.

6. No runoff from the discharge locations will occur, and to safeguard this, monthly monitoring of the discharge areas will be conducted to ensure that no runoff is occurring.

C. Discharge Specifications

1. SYSTEM CHECK

Prior to operating the groundwater treatment system with contaminated groundwater, a system check shall be conducted to confirm the proper construction and operation of the treatment system. The following minimum requirements apply to this system check phase:

a. A conformance inspection shall be conducted to confirm that all equipment, piping, instrumentation, and control systems of the groundwater treatment system have been installed according to the approved design. Any deficiencies in the groundwater treatment system shall be corrected.

b. To confirm piping integrity, piping of the collection system and treatment system shall be pressure tested at 150 percent of the design pressure with potable water. Any leaks shall be repaired.

c. All instrumentation, control systems, and equipment shall be inspected for malfunctions. All automatic controls, such as shutdown or alarm switches necessary for the operation of each treatment system phase, shall be certified

operational prior to startup of that phase. Mechanical equipment, such as pumps, air blowers, and valves, required for the operation of the treatment phases, will be cycled or operated. Any functional deficiencies shall be corrected.

2. FULL SCALE OPERATION

   a. All extracted groundwater will be treated by the treatment systems and discharged directly to the ground surface or indirectly to the ground surface via misting.
   b. The Discharger shall operate the treatment systems to maximize the removal of VOCs from the extracted groundwater.
   c. The system operations shall be monitored in accordance with the full scale operational phase monitoring plan in the MRP.

   d. All treatment, transport, and disposal components (including pumping valves, liquid level controllers, pipelines, blowers, flow meters, pressure gauges, etc.) will be inspected for leaks and/or malfunctions each business day that the system is operational during manual operations and weekly during automated operation.

3. DURING ALL PHASES OF OPERATIONS

   a. Neither the treatment nor the discharge shall cause a nuisance or condition of pollution as defined by the California Water Code, Section 13050.

   b. The discharge shall not cause degradation of any water supply.

   c. Any collected screenings, sludge, and other solids removed from liquid wastes shall be disposed of in a manner consistent with Chapter 15, Division 3, Title 23, CCR.

D. Provisions

1. The Discharger shall not allow pollutant-free wastewater to be discharged into the collection, treatment, and disposal system in amounts that significantly diminish the system's capability to comply with these Substantive Requirements. Pollutant-free wastewater means rainfall, groundwater, cooling waters, and condensates that are essentially free of pollutants.

2. The Discharger may be required to submit technical reports as directed by the Board.

3. The Discharger shall comply with the attached MRP, which is part of these Substantive Requirements and any revision thereto, i.e., monitoring frequency, locations, constituent changes, etc. as ordered by the Board.

4. The Discharger shall notify the Board immediately, during normal working hours via telephone, and at least within 24 hours of any spill of untreated groundwater. This notification shall include the size and cause of the spill, any immediate damage to the environment, any corrective/cleanup actions taken and/or additional monitoring proposed.

5. The Discharger shall report to the Board, DTSC, and the U.S. EPA quarterly operation and status reports for the treatability study during Remedial Project Manager (RPM) meetings. These operational reports shall contain a summary of operating parameters, operation and maintenance activities, and any shut down or spill events that occurred during the quarter.

6. The Discharger shall comply with the "Standard Provisions and Reporting Requirements for Waste Discharge Requirements", date 1 March 1991, which are attached hereto and by reference a part of these Substantive Requirements except for those Provisions and Requirements which are superceded by CERCLA requirements. This attachment and its individual paragraphs are commonly referenced as "Standard Provisions".

7. The Discharger shall report promptly to the Board any material change or proposed change in the character, location, or volume of the discharge.

8. In the event of any change in ownership of land or waste discharge facilities presently owned or controlled by the Discharger, and associated with the groundwater cleanup of the Building 832 Canyon area and Building 854 area groundwater, the Discharger shall notify at that time the succeeding owner or operator of the existence of these Substantive Requirements by letter. A copy of the notification shall be forwarded to this office.

9. A copy of the Substantive Requirements shall be kept at the discharge facility for reference by operating personnel. Key operating personnel shall be familiar with its contents.

10. The Board will review these Substantive Requirements periodically and may revise them. The Discharger shall be notified prior to the review of these Substantive Requirements by the Board, and have the opportunity to review and comment on the proposed changes.

Appendix F

Soil Vapor Extraction System Shut-off Evaluation

Appendix F

Soil Vapor Extraction System Shut-off Evaluation

F-1. Introduction

This Appendix presents a methodology for evaluating whether a soil vapor extraction (SVE) system can be shut off. This decision requires a comprehensive evaluation of site characterization issues, trend analysis of soil vapor concentrations and mass removal rates, human health risk, and SVE system performance. This methodology is potentially applicable to any SVE system at Site 300. It is based on similar evaluations presented in the General Services Area (GSA) Record of Decision (ROD) (U.S. Department of Energy [DOE] [1997]), U.S. Army Corps of Engineers (1995), and an unpublished report on SVE shut-off criteria for Castle Air Force Base (1999).

As presented in the SVE System Shut-off flow chart (Figure F-1), this evaluation is subdivided into three parts:

- Prerequisites to begin an SVE System Shut-off Evaluation.
- SVE System Shut-off Evaluation.
- Resolution of the SVE Shut-off Evaluation.

DOE/LLNL will make the decision to shut off the SVE system permanently only after receiving concurrence from the regulatory agencies for this action. The evaluation methodology presented here is intended to provide a framework to facilitate this decision. Other factors may be considered upon agreement with the regulatory agencies.

F-2. Prerequisites to begin an SVE System Shut-off Evaluation

An evaluation may begin after all parties agree that existing data are adequate to address the following characterization, human health risk, and SVE system performance issues:

1. There is no immediate or unacceptable human health risk.
2. The site has been adequately characterized.
    - Unsaturated (vadose) and saturated zone contamination is delineated.
    - SVE wells and soil vapor monitoring points are located appropriately both in the horizontal and vertical planes.
    - Subsurface parameters influencing soil vapor migration are quantified (i.e., moisture content, air permeability, porosity, retardation, partitioning coefficients, carbon content, etc.).
    - Geologic features that influence soil moisture and soil vapor migration are identified (i.e., low permeability zones, preferential vapor and moisture pathways, etc.).

- Ground water flow direction, elevation changes, and other sources of ground water contamination are determined.

3. The site conceptual model is supported by subsurface and treatment facility operational data.
   - Borings, wells, and soil vapor monitoring points installed over time yield expected geologic, pressure, and chemistry data.
   - Initial and current estimates of subsurface contaminant mass agree with cumulative mass removed at the treatment facility.
4. Trend analysis of soil vapor concentration data indicate that:
   - Soil vapor and ground water concentrations in wells show decreasing trends immediately down gradient from the vadose zone sources without active ground water remediation.
   - Soil vapor concentrations show decreasing trends in all wells.
   - No significant soil vapor concentration gradients exist toward potential receptors.
   - Soil vapor concentrations have reached asymptotic levels in all wells.
   - Soil vapor concentrations in wells do not significantly increase after temporary events of SVE system shut off and subsequent restart.
5. The SVE system is designed appropriately and optimized as best as possible.
   - Vacuum influence tests show that soil vapor is extracted from contaminated areas, unsaturated zone contamination is fully captured, and maximum flushing rates are obtained in the high concentration zones.
   - SVE well field management has been optimized over time to maximize mass removal (flow rates, alternating SVE well use, etc.).
   - Mass removal rate at the treatment facility has reached asymptotic levels with no significant increase after temporary events of SVE system shutdown.
   - SVE system zone of influence reaches all contaminated areas, including potential stagnation zones in the subsurface.

F-3. SVE System Shut-off Evaluation

This evaluation can be grouped into the following three general topics:

- Quantitative analysis.
- Relationship to ground water cleanup.
- Cost/benefit analysis.

These topics represent different approaches to SVE System Shut-off Evaluation. They are not listed in order of priority and they do not all need to be satisfied to shut off an SVE system. A series of questions are presented under each topic to facilitate the evaluation. The answers to these questions will provide a basis for negotiations between DOE/LLNL and the regulatory agencies regarding whether to continue or discontinue SVE system operation.

1. Quantitative analysis for evaluating potential impact to ground water (and/or other potential receptors) from residual vadose zone contamination, using predictive tools.
   - What is the estimated residual mass in vadose zone in each media (soil vapor, soil moisture, separate phase)?
   - How is the residual contamination distributed in the subsurface?
   - What is the site-specific infiltration and percolation rates from rainfall recharge?
   - What are the estimated values of soil vapor and soil moisture migration parameters such as, relative permeability, porosity, moisture content, carbon content, intrinsic biodegradation rates, etc.?
   - What is the lowest observed depth to water at the site, and how much does it fluctuate?
   - Based on the above information, does the predicted concentration of leachate in the vadose zone (using an appropriate vadose zone partitioning model) exceed ground water cleanup standard?
   - Based on the leachate concentration, do the predicted ground water concentrations (using an appropriate vadose zone and ground water transport model) exceed ground water cleanup standard?
2. Assessment of SVE system operation relative to the state of ground water remediation, to determine if continued operation of the SVE system further assists reaching the overall cleanup standards.
   - What are the location and capture zones of ground water extraction wells relative to the vadose zone contamination?
   - What is the predicted time to cleanup for ground water (using a ground water transport model) with and with out operation of the SVE system?
   - Does the operation of the SVE system enhance or impede ground water remediation system performance?
   - Does the operation of the SVE system enhance or impede intrinsic degradation processes in ground water and/or vadose zone?
3. Preparation of a detailed, comparative cost-benefit analysis to assess the feasibility of long-term costs under continued operation versus shut-off scenarios.
   - What is the cost per unit contaminant mass removed from the subsurface by the SVE and ground water extraction (GWE) systems?
   - What is the predicted time to cleanup and cost (using appropriate vadose zone and ground water transport models) for the vadose zone and ground water contamination when both SVE and GWE systems are operational?
   - What is the predicted time to cleanup and cost (using appropriate vadose zone ground water transport models) for the vadose zone and ground water contamination when only the GWE system is operational and there is additional impact from residual contamination from the vadose zone?

- Based on the above information, does the operation of the SVE system significantly reduce the time and cost to reach ground water cleanup standards?
- What are the predicted effectiveness and cost of further enhancements to the SVE system (e.g., additional SVE wells, air injection, air-sparging, bioventing) beyond optimization of the existing system?
- How does the mass removed by operating the SVE system under asymptotic concentrations compare to the resulting environmental impact of operating the SVE system?

F-4. Resolution of the SVE Shut-off Evaluation

There are five general outcomes from an SVE Shut-off Evaluation:

1. The vadose zone remediation is determined to be complete and the SVE system can be permanently shut off.
2. The residual mass of contaminants in the vadose zone will not impact ground water at concentrations exceeding cleanup standards. Therefore continued soil vapor and ground water monitoring without SVE system operation is appropriate.
3. The residual mass of contaminants in the vadose zone will impact ground water at concentrations exceeding cleanup standards, however, continued SVE system operation will not significantly reduce the time to reach ground water cleanup standards. Therefore continued ground water extraction without SVE system operation is appropriate.
4. The residual vadose zone contamination will impact ground water at concentrations exceeding cleanup standards, therefore continued SVE system operation is appropriate.
5. The residual vadose zone contamination will impact ground water at concentrations exceeding cleanup standards and continued SVE system operation is not adequate to remediate the residual contamination. Therefore the deployment of an SVE enhancement technology (air-sparging, bioventing, permeability enhancement methods, thermal or chemical enhancement methods, etc.) and/or another remedial solution (excavation, vitrification, barometric pumping, horizontal wells, etc.) is appropriate.

Ground water and soil vapor monitoring will be conducted throughout the life of the Building 834 OU remediation project. Monitoring data will be used to continually optimize treatment system operation and provide input for this evaluation.

F-5. References

Department of the Army U.S. Army Corps of Engineers (1995*), Engineering and Design - Soil Vapor Extraction and Bioventing*, Washington, D.C. (EM-1110-1-4001).

Castle Air Force Base (1999), *Draft SVE Turn-Off Criteria – SVE Termination or Optimization Process* (unpublished).

Johnson, P.C., C.C. Stanley, M.W. Kemblowski, D.L. Byers, and J.D. Colthart (1990), "A practical approach to the design, operation, and monitoring of in situ soil-venting systems," *Ground Water Monitoring Review* 10(**2**):159–78.

Landgraf, R., and L. Rueth (1997), *Final Record of Decision for the General Services Area Operable Unit, Lawrence Livermore National Laboratory, Site 300*, Lawrence Livermore National Laboratory, Livermore, Calif. (UCRL-AR-124061).

U.S. EPA (1991*), Soil Vapor Extraction Technology: Reference Handbook*, Final Report, U.S. Environmental Protection Agency, Office of Research and Development, Risk Reduction Engineering Laboratory, Cincinnati, OH (EPA/540/2-91/003).

U.S. EPA (1995), *Guide to Documenting Cost and Performance for Remediation Projects*, Member Agencies of the Federal Remediation Technologies Roundtable (EPA-542-B95-002).

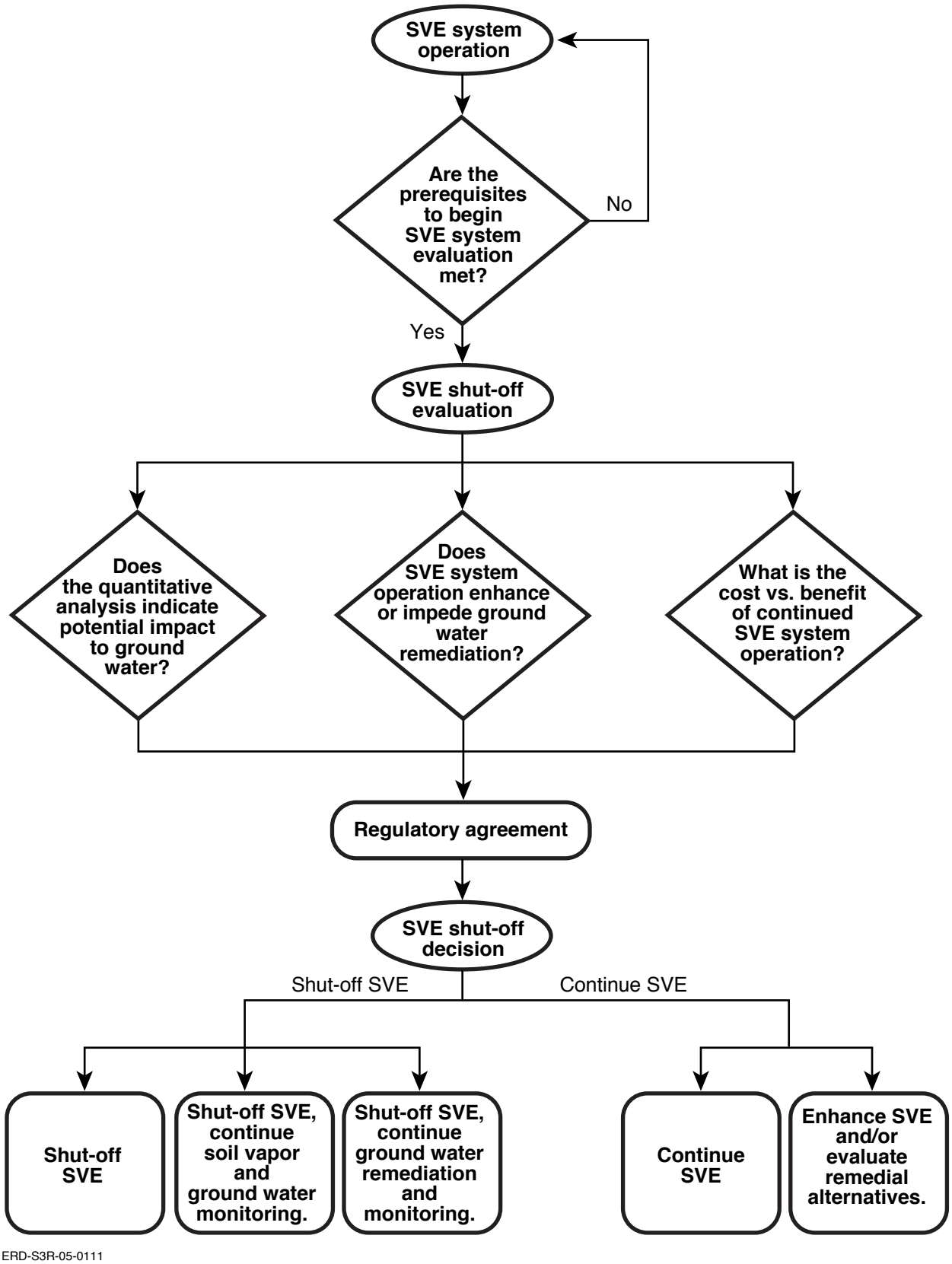

Figure F-1. Soil vapor extraction (SVE) system shut-off evaluation flow chart.

Attachment A

Analytical Data Tables on CD

Attachment A
Analytical Data Tables

Table A-1. Ground water elevations, Building 832 Canyon OU.

Table A-2. VOCs in ground water and surface water (μg/L), Building 832 Canyon OU.

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

Table A-4. High Explosives in ground water and surface water (μg/L), Building 832 Canyon OU.

Table A-5. High Explosives in soil and rock (mg/kg), Building 832 Canyon OU.

Table A-6. Tritium in ground water and surface water (pCi/L), Building 832 Canyon OU.

Table A-7. Tritium in soil and rock (pCi/g), Building 832 Canyon OU.

Table A-8. Tritium in soil moisture (pCi/L), Building 832 Canyon OU.

Table A-9. Gross alpha/gross beta in ground water and surface water (pCi/L), Building 832 Canyon OU.

Table A-10. Gross alpha/gross beta in soil and rock (pCi/g), Building 832 Canyon OU.

Table A-11. Uranium isotopes in ground water and surface water (pCi/L), Building 832 Canyon OU.

Table A-12. Uranium isotope mass ratios in ground water and surface water, Building 832 Canyon OU.

Table A-13. Uranium isotopes in soil, rock and soil moisture (pCi/g), Building 832 Canyon OU.

Table A-14. Thorium isotopes in ground water and surface water (pCi/L), Building 832 Canyon OU.

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

Table A-16. Nitrogenous compounds in soil and rock (mg/kg), Building 832 Canyon OU.

Table A-17. Metals in ground water and surface water (mg/L), Building 832 Canyon OU.

Table A-18. Total metals in soil and rock (mg/kg), Building 832 Canyon OU.

Table A-19. Aromatic hydrocarbons in ground water and surface water (μg/L), Building 832 Canyon OU.

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

Table A-21. Fuel hydrocarbons in ground water and surface water (μg/L), Building 832 Canyon OU.

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

Table A-23. Cations in ground water and surface water (mg/L), Building 832 Canyon OU.

Table A-24. VOCs in soil vapor (Petrex (TM)) (ion counts), Building 832 Canyon OU.

Table A-25. Depth discrete VOC soil vapor results (active vacuum induced)($ppm_{v/v}$) collected from uncased boreholes, Building 832 Canyon OU.

Table A-26. Depth discrete VOC soil vapor results (active vacuum induced)($ppm_{v/v}$) collected from uncased boreholes, Building 832 Canyon OU.

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-35B-01	18-Nov-98	16.81	506.17	
W-35B-01	2-Dec-98	17.02	506.	
W-35B-01	12-Jan-99	17.48	505.54	
W-35B-01	4-Feb-99	16.86	506.16	
W-35B-01	4-Mar-99	13.22	509.8	
W-35B-01	19-Apr-99	11.15	511.87	
W-35B-01	6-May-99	11.77	511.25	
W-35B-01	1-Jun-99	12.72	510.3	
W-35B-01	23-Jul-99	15.72	507.3	
W-35B-01	11-Aug-99	16.62	506.4	
W-35B-01	11-Sep-99	0.	0.	NM
W-35B-01	20-Oct-99	18.32	504.7	
W-35B-01	8-Dec-99	18.55	504.47	
W-35B-01	5-Jan-00	18.33	504.69	
W-35B-01	15-Feb-00	18.	505.02	
W-35B-01	17-Mar-00	15.91	507.11	
W-35B-01	10-Apr-00	15.64	507.38	
W-35B-01	2-May-00	15.41	507.61	
W-35B-01	1-Jun-00	16.21	506.81	
W-35B-01	5-Jul-00	17.38	505.64	
W-35B-01	2-Aug-00	17.82	505.2	
W-35B-01	6-Sep-00	18.33	504.69	
W-35B-01	6-Sep-00	18.33	504.69	
W-35B-01	9-Oct-00	18.39	504.63	
W-35B-01	1-Nov-00	18.44	504.58	
W-35B-01	6-Dec-00	18.53	504.49	
W-35B-01	11-Jan-01	18.52	504.5	
W-35B-01	7-Feb-01	18.36	504.66	
W-35B-01	8-Mar-01	18.28	504.74	
W-35B-01	12-Apr-01	0.	0.	NM/OFFSITE
W-35B-01	1-May-01	18.43	504.59	
W-35B-01	6-Jun-01	18.5	504.52	
W-35B-01	6-Jul-01	18.62	504.4	
W-35B-01	2-Aug-01	18.68	504.34	
W-35B-01	17-Sep-01	18.78	504.24	
W-35B-01	1-Oct-01	18.81	504.21	
W-35B-01	2-Nov-01	18.78	504.24	
W-35B-01	7-Dec-01	18.56	504.46	
W-35B-01	10-Jan-02	18.44	504.58	
W-35B-01	7-Feb-02	18.49	504.53	
W-35B-01	7-Mar-02	0.	0.	NM
W-35B-01	12-Apr-02	18.78	504.24	
W-35B-01	1-May-02	0.	0.	NM
W-35B-01	5-Jun-02	18.71	504.31	
W-35B-01	17-Jul-02	18.91	504.11	
W-35B-01	6-Aug-02	18.81	504.21	
W-35B-01	6-Sep-02	18.94	504.08	
W-35B-01	8-Oct-02	18.86	504.16	
W-35B-01	8-Jan-03	18.06	504.96	
W-35B-01	3-Feb-03	17.92	505.1	
W-35B-01	5-Mar-03	17.21	505.81	
W-35B-01	14-Apr-03	16.17	506.85	
W-35B-01	14-Jul-03	17.91	505.11	
W-35B-01	8-Oct-03	18.87	504.15	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-35B-01	7-Jan-04	18.6	504.42	
W-35B-01	1-Apr-04	18.66	504.36	
W-35B-01	6-Jul-04	18.	505.02	
W-35B-01	4-Oct-04	18.92	504.1	
W-35B-01	14-Jan-05	18.42	504.6	
W-35C-06	25-Jan-91	0.	0.	NM
W-35C-06	8-Feb-91	0.	0.	NM
W-35C-06	8-Mar-91	0.	0.	NM
W-35C-06	2-Apr-91	26.51	505.41	
W-35C-06	2-May-91	26.6	505.32	
W-35C-06	13-Jun-91	26.35	505.57	
W-35C-06	3-Jul-91	26.07	505.85	
W-35C-06	5-Aug-91	25.32	506.6	
W-35C-06	5-Sep-91	24.9	507.02	
W-35C-06	2-Oct-91	24.77	507.15	
W-35C-06	29-Oct-91	25.01	506.91	
W-35C-06	4-Dec-91	25.41	506.51	
W-35C-06	7-Jan-92	25.35	506.57	
W-35C-06	4-Feb-92	26.	505.92	
W-35C-06	3-Mar-92	21.59	510.33	
W-35C-06	31-Mar-92	19.6	512.32	
W-35C-06	4-May-92	18.65	513.27	
W-35C-06	1-Jun-92	19.29	512.63	
W-35C-06	6-Jul-92	21.	510.92	
W-35C-06	5-Aug-92	22.45	509.47	
W-35C-06	1-Sep-92	23.46	508.46	
W-35C-06	1-Oct-92	24.3	507.62	
W-35C-06	3-Nov-92	24.95	506.97	
W-35C-06	2-Dec-92	25.45	506.47	
W-35C-06	22-Jan-93	18.1	513.82	
W-35C-06	4-Feb-93	15.63	516.29	
W-35C-06	2-Mar-93	11.46	520.46	
W-35C-06	7-Apr-93	11.18	520.74	
W-35C-06	11-May-93	13.6	518.32	
W-35C-06	7-Jun-93	15.52	516.4	
W-35C-06	14-Jul-93	18.38	513.54	
W-35C-06	9-Aug-93	20.43	511.49	
W-35C-06	14-Sep-93	22.41	509.51	
W-35C-06	13-Oct-93	23.5	508.42	
W-35C-06	1-Nov-93	24.1	507.82	
W-35C-06	1-Dec-93	24.6	507.32	
W-35C-06	5-Jan-94	25.09	506.83	
W-35C-06	4-Feb-94	25.4	506.52	
W-35C-06	5-Apr-94	25.25	506.67	
W-35C-06	5-Jul-94	25.43	506.49	
W-35C-06	19-Oct-94	25.89	506.03	
W-35C-06	9-Jan-95	26.15	505.77	
W-35C-06	6-Apr-95	7.41	524.51	
W-35C-06	6-Jul-95	15.74	516.18	
W-35C-06	5-Oct-95	22.57	509.35	
W-35C-06	10-Jan-96	24.68	507.24	
W-35C-06	1-Feb-96	22.24	509.68	
W-35C-06	1-Mar-96	7.57	524.35	
W-35C-06	3-Apr-96	8.49	523.43	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-35C-06	1-May-96	11.15	520.77	
W-35C-06	4-Jun-96	14.1	517.82	
W-35C-06	9-Jul-96	17.05	514.87	
W-35C-06	5-Aug-96	19.47	512.45	
W-35C-06	3-Sep-96	21.92	510.	
W-35C-06	3-Oct-96	23.15	508.77	
W-35C-06	5-Nov-96	23.96	507.96	
W-35C-06	6-Dec-96	24.44	507.48	
W-35C-06	3-Jan-97	19.78	512.14	
W-35C-06	3-Feb-97	6.98	524.94	
W-35C-06	5-Mar-97	8.9	523.02	
W-35C-06	4-Apr-97	12.05	519.87	
W-35C-06	1-May-97	14.1	517.82	
W-35C-06	2-Jun-97	16.64	515.28	
W-35C-06	3-Jul-97	19.14	512.78	
W-35C-06	4-Aug-97	21.94	509.98	
W-35C-06	4-Sep-97	23.22	508.7	
W-35C-06	1-Oct-97	23.92	508.	
W-35C-06	3-Nov-97	24.48	507.44	
W-35C-06	5-Dec-97	24.84	507.08	
W-35C-06	7-Jan-98	25.11	506.81	
W-35C-06	4-Feb-98	15.24	516.68	
W-35C-06	2-Mar-98	6.07	525.85	
W-35C-06	2-Apr-98	10.2	521.72	
W-35C-06	5-May-98	11.46	520.46	
W-35C-06	3-Jun-98	13.44	518.48	
W-35C-06	7-Jul-98	14.97	516.95	
W-35C-06	5-Aug-98	16.49	515.43	
W-35C-06	4-Sep-98	18.34	513.58	
W-35C-06	22-Oct-98	21.28	510.64	
W-35C-06	17-Nov-98	22.63	509.29	
W-35C-06	2-Dec-98	22.67	509.25	
W-35C-06	8-Jan-99	23.02	508.9	
W-35C-06	4-Feb-99	22.11	509.81	
W-35C-06	4-Mar-99	18.14	513.78	
W-35C-06	19-Apr-99	16.73	515.19	
W-35C-06	6-May-99	17.32	514.6	
W-35C-06	1-Jun-99	18.11	513.81	
W-35C-06	23-Jul-99	20.97	510.95	
W-35C-06	11-Aug-99	21.9	510.02	
W-35C-06	11-Sep-99	0.	0.	NM
W-35C-06	19-Oct-99	23.47	508.45	
W-35C-06	2-Dec-99	24.53	507.39	NM
W-35C-06	5-Jan-00	24.52	507.4	
W-35C-06	2-Feb-00	24.48	507.44	NM
W-35C-06	10-Mar-00	20.64	511.28	
W-35C-06	12-Apr-00	19.47	512.45	
W-35C-06	3-May-00	19.68	512.24	
W-35C-06	2-Jun-00	20.7	511.22	
W-35C-06	11-Jul-00	22.23	509.69	
W-35C-06	2-Aug-00	23.	508.92	
W-35C-06	6-Sep-00	23.88	508.04	
W-35C-06	6-Sep-00	23.88	508.04	
W-35C-06	6-Oct-00	24.34	507.58	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-35C-06	6-Nov-00	24.79	507.13	
W-35C-06	6-Dec-00	25.18	506.74	
W-35C-06	11-Jan-01	25.54	506.38	
W-35C-06	7-Feb-01	25.69	506.23	
W-35C-06	8-Mar-01	25.2	506.72	
W-35C-06	12-Apr-01	24.94	506.98	
W-35C-06	1-May-01	24.78	507.14	
W-35C-06	6-Jun-01	24.58	507.34	
W-35C-06	6-Jul-01	24.06	507.86	
W-35C-06	13-Aug-01	23.52	508.4	
W-35C-06	13-Sep-01	23.87	508.05	
W-35C-06	5-Oct-01	24.39	507.53	
W-35C-06	8-Nov-01	25.15	506.77	
W-35C-06	7-Dec-01	25.42	506.5	
W-35C-06	11-Jan-02	25.19	506.73	
W-35C-06	7-Feb-02	25.12	506.8	
W-35C-06	7-Mar-02	0.	0.	NM
W-35C-06	12-Apr-02	24.87	507.05	
W-35C-06	2-May-02	25.09	506.83	
W-35C-06	5-Jun-02	25.09	506.83	
W-35C-06	3-Jul-02	24.96	506.96	
W-35C-06	3-Aug-02	24.56	507.36	
W-35C-06	6-Sep-02	24.48	507.44	
W-35C-06	1-Oct-02	24.82	507.1	
W-35C-06	6-Jan-03	23.23	508.69	
W-35C-06	3-Feb-03	22.18	509.74	
W-35C-06	1-Mar-03	21.23	510.69	
W-35C-06	12-Apr-03	20.45	511.47	
W-35C-06	7-Jul-03	22.21	509.71	
W-35C-06	2-Oct-03	24.29	507.63	
W-35C-06	6-Jan-04	25.21	506.71	
W-35C-06	6-Apr-04	24.4	507.52	
W-35C-06	6-Jul-04	22.35	509.57	
W-35C-06	4-Oct-04	24.76	507.16	
W-35C-06	5-Jan-05	25.69	506.23	
W-4C	9-Dec-91	0.	0.	NM
W-4C	7-Jan-92	0.	0.	NM
W-4C	4-Feb-92	0.	0.	NM
W-4C	3-Mar-92	0.	0.	NM
W-4C	31-Mar-92	3.83	525.95	
W-4C	4-May-92	0.	0.	NM
W-4C	1-Jun-92	0.	0.	NM
W-4C	6-Jul-92	14.91	514.87	
W-4C	5-Aug-92	20.25	509.53	
W-4C	1-Sep-92	27.94	501.84	
W-4C	1-Oct-92	26.29	503.49	
W-4C	3-Nov-92	19.15	510.63	
W-4C	2-Dec-92	15.35	514.43	
W-4C	22-Jan-93	10.3	519.48	
W-4C	4-Feb-93	9.25	520.53	
W-4C	2-Mar-93	7.62	522.16	
W-4C	7-Apr-93	6.03	523.75	
W-4C	11-May-93	6.74	523.04	
W-4C	7-Jun-93	7.24	522.54	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-4C	14-Jul-93	12.3	517.48	
W-4C	9-Aug-93	17.77	512.01	
W-4C	14-Sep-93	17.8	511.98	
W-4C	13-Oct-93	15.18	514.6	
W-4C	1-Nov-93	12.77	517.01	
W-4C	1-Dec-93	10.4	519.38	
W-4C	5-Jan-94	6.14	523.64	
W-4C	4-Feb-94	4.63	525.15	
W-4C	5-Apr-94	6.36	523.42	
W-4C	5-Jul-94	11.35	518.43	
W-4C	19-Oct-94	18.65	511.13	
W-4C	9-Jan-95	8.81	520.97	
W-4C	6-Apr-95	4.85	524.93	
W-4C	6-Jul-95	10.17	519.61	
W-4C	5-Oct-95	17.34	512.44	
W-4C	10-Jan-96	9.94	519.84	
W-4C	1-Feb-96	8.57	521.21	
W-4C	1-Mar-96	7.67	522.11	
W-4C	3-Apr-96	7.23	522.55	
W-4C	1-May-96	7.17	522.61	
W-4C	4-Jun-96	8.89	520.89	
W-4C	9-Jul-96	13.34	516.44	
W-4C	5-Aug-96	19.66	510.12	
W-4C	3-Sep-96	21.33	508.45	
W-4C	3-Oct-96	19.33	510.45	
W-4C	5-Nov-96	17.68	512.1	
W-4C	9-Dec-96	12.89	516.89	
W-4C	3-Jan-97	10.22	519.56	
W-4C	3-Feb-97	7.51	522.27	
W-4C	5-Mar-97	6.36	523.42	
W-4C	4-Apr-97	7.56	522.22	
W-4C	1-May-97	10.22	519.56	
W-4C	4-Jun-97	14.7	515.08	
W-4C	1-Jul-97	21.22	508.56	
W-4C	4-Aug-97	28.03	501.75	
W-4C	2-Sep-97	23.38	506.4	
W-4C	1-Oct-97	22.14	507.64	
W-4C	3-Nov-97	19.38	510.4	
W-4C	5-Dec-97	15.89	513.89	
W-4C	7-Jan-98	13.73	516.05	
W-4C	4-Feb-98	12.22	517.56	
W-4C	2-Mar-98	10.87	518.91	
W-4C	2-Apr-98	8.7	521.08	
W-4C	5-May-98	7.46	522.32	
W-4C	3-Jun-98	7.04	522.74	
W-4C	7-Jul-98	10.62	519.16	
W-4C	5-Aug-98	14.69	515.09	
W-4C	3-Sep-98	15.48	514.3	
W-4C	22-Oct-98	15.33	514.45	
W-4C	17-Nov-98	13.56	516.22	
W-4C	2-Dec-98	12.41	517.37	
W-4C	8-Jan-99	9.54	520.24	
W-4C	4-Feb-99	8.15	521.63	
W-4C	4-Mar-99	7.26	522.52	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-4C	19-Apr-99	6.73	523.05	
W-4C	6-May-99	7.43	522.35	
W-4C	1-Jun-99	0.	0.	FA/CONSTRUCT
W-4C	23-Jul-99	0.	0.	RA/CONSTRUCT
W-4C	11-Aug-99	0.	0.	FA/CONSTRUCT
W-4C	11-Sep-99	0.	0.	FA/CONSTRUCT
W-4C	19-Oct-99	16.17	513.61	RA/CONSTRUCT
W-4C	2-Dec-99	13.02	516.76	FA/CONSTRUCT
W-4C	5-Jan-00	11.84	517.94	RA/CONSTRUCT
W-4C	15-Feb-00	0.	0.	FA/CONSTRUCT
W-4C	17-Mar-00	8.95	520.83	FA/CONSTRUCT
W-4C	13-Apr-00	8.94	520.84	
W-4C	3-May-00	9.94	519.84	FA/CONSTRUCT
W-4C	7-Jun-00	11.22	518.56	FA/CONSTRUCT
W-4C	11-Jul-00	14.89	514.89	
W-4C	2-Aug-00	16.14	513.64	
W-4C	6-Sep-00	18.79	510.99	
W-4C	6-Sep-00	18.79	510.99	
W-4C	6-Oct-00	18.52	511.26	
W-4C	6-Nov-00	15.82	513.96	
W-4C	6-Dec-00	13.54	516.24	
W-4C	11-Jan-01	10.24	519.54	
W-4C	8-Feb-01	9.19	520.59	
W-4C	8-Mar-01	7.23	522.55	
W-4C	12-Apr-01	6.16	523.62	
W-4C	1-May-01	6.45	523.33	
W-4C	7-Jun-01	10.28	519.5	
W-4C	10-Jul-01	13.67	516.11	
W-4C	8-Aug-01	15.71	514.07	
W-4C	18-Sep-01	17.11	512.67	
W-4C	8-Oct-01	16.67	513.11	
W-4C	2-Nov-01	15.52	514.26	
W-4C	7-Dec-01	12.58	517.2	
W-4C	11-Jan-02	10.59	519.19	
W-4C	7-Feb-02	10.29	519.49	
W-4C	7-Mar-02	8.76	521.02	
W-4C	12-Apr-02	8.99	520.79	
W-4C	1-May-02	0.	0.	NM
W-4C	1-Jun-02	9.2	520.58	
W-4C	3-Jul-02	13.97	515.81	
W-4C	3-Aug-02	15.6	514.18	
W-4C	6-Sep-02	17.78	512.	
W-4C	2-Oct-02	17.62	512.16	
W-4C	6-Jan-03	11.45	518.33	
W-4C	4-Feb-03	10.02	519.76	
W-4C	4-Mar-03	8.72	521.06	
W-4C	12-Apr-03	7.96	521.82	
W-4C	14-Jul-03	14.44	515.34	MT
W-4C	2-Oct-03	18.58	511.2	
W-4C	6-Jan-04	10.92	518.86	
W-4C	7-Apr-04	7.66	522.12	
W-4C	6-Jul-04	15.26	514.52	
W-4C	5-Oct-04	16.2	513.58	
W-4C	12-Jan-05	7.97	521.81	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-6BS	3-Mar-88	25.98	507.25	
W-6BS	4-Apr-88	25.98	507.25	
W-6BS	2-May-88	26.13	507.1	
W-6BS	1-Jun-88	26.31	506.92	
W-6BS	8-Jul-88	26.25	506.98	
W-6BS	3-Aug-88	26.44	506.79	
W-6BS	6-Sep-88	26.51	506.72	
W-6BS	6-Oct-88	26.77	506.46	
W-6BS	3-Nov-88	26.9	506.33	
W-6BS	30-Nov-88	26.99	506.24	
W-6BS	9-Jan-89	27.18	506.05	
W-6BS	7-Feb-89	27.35	505.88	
W-6BS	28-Feb-89	27.46	505.77	
W-6BS	4-Apr-89	27.5	505.73	
W-6BS	8-May-89	27.48	505.75	
W-6BS	6-Jun-89	27.69	505.54	
W-6BS	6-Jul-89	27.72	505.51	
W-6BS	8-Aug-89	27.71	505.52	
W-6BS	6-Sep-89	27.8	505.43	
W-6BS	6-Oct-89	27.97	505.26	
W-6BS	8-Nov-89	27.97	505.26	
W-6BS	5-Dec-89	27.94	505.29	
W-6BS	9-Jan-90	27.97	505.26	
W-6BS	31-Jan-90	27.9	505.4	
W-6BS	6-Mar-90	27.5	505.73	
W-6BS	3-Apr-90	27.61	505.62	
W-6BS	2-May-90	27.52	505.71	
W-6BS	7-Jun-90	27.53	505.7	
W-6BS	3-Jul-90	27.75	505.48	
W-6BS	3-Aug-90	27.61	505.62	
W-6BS	11-Sep-90	27.59	505.64	
W-6BS	12-Oct-90	27.82	505.41	
W-6BS	15-Nov-90	27.85	505.38	
W-6BS	4-Dec-90	28.05	505.18	
W-6BS	25-Jan-91	28.26	504.97	
W-6BS	7-Feb-91	28.32	504.91	
W-6BS	13-Mar-91	27.97	505.26	
W-6BS	3-Apr-91	27.24	505.99	
W-6BS	2-May-91	27.41	505.82	
W-6BS	13-Jun-91	27.07	506.16	
W-6BS	3-Jul-91	26.66	506.57	
W-6BS	5-Aug-91	25.9	507.33	
W-6BS	5-Sep-91	25.59	507.64	
W-6BS	2-Oct-91	25.44	507.79	
W-6BS	12-Nov-91	25.71	507.52	
W-6BS	9-Dec-91	26.13	507.1	
W-6BS	7-Jan-92	26.4	506.83	
W-6BS	4-Feb-92	26.69	506.54	
W-6BS	3-Mar-92	22.3	510.93	
W-6BS	31-Mar-92	20.45	512.78	
W-6BS	4-May-92	19.52	513.71	
W-6BS	1-Jun-92	20.14	513.09	
W-6BS	6-Jul-92	21.78	511.45	
W-6BS	5-Aug-92	23.15	510.08	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-6BS	1-Sep-92	24.12	509.11	
W-6BS	1-Oct-92	24.95	508.28	
W-6BS	3-Nov-92	25.68	507.55	
W-6BS	2-Dec-92	26.18	507.05	
W-6BS	22-Jan-93	19.1	514.13	
W-6BS	4-Feb-93	16.58	516.65	
W-6BS	2-Mar-93	12.53	520.7	
W-6BS	7-Apr-93	12.17	521.06	
W-6BS	11-May-93	14.51	518.72	
W-6BS	7-Jun-93	16.42	516.81	
W-6BS	14-Jul-93	19.29	513.94	
W-6BS	9-Aug-93	21.29	511.94	
W-6BS	14-Sep-93	23.1	510.13	
W-6BS	13-Oct-93	24.18	509.05	
W-6BS	1-Nov-93	24.74	508.49	
W-6BS	1-Dec-93	25.3	507.93	
W-6BS	5-Jan-94	25.8	507.43	
W-6BS	4-Feb-94	26.14	507.09	
W-6BS	5-Apr-94	26.	507.23	
W-6BS	5-Jul-94	26.12	507.11	
W-6BS	19-Oct-94	26.61	506.62	
W-6BS	9-Jan-95	26.86	506.37	
W-6BS	22-Mar-95	10.03	523.2	
W-6BS	6-Apr-95	8.4	524.83	
W-6BS	6-Jul-95	16.63	516.6	
W-6BS	5-Oct-95	23.3	509.93	
W-6BS	10-Jan-96	25.31	507.92	
W-6BS	3-Apr-96	9.5	523.73	
W-6BS	9-Jul-96	17.94	515.29	
W-6BS	3-Oct-96	23.84	509.39	DRY
W-6BS	3-Jan-97	20.98	512.25	
W-6BS	4-Apr-97	12.98	520.25	
W-6BS	3-Jul-97	20.08	513.15	
W-6BS	1-Oct-97	24.6	508.63	
W-6BS	7-Jan-98	25.84	507.39	
W-6BS	2-Apr-98	11.2	522.03	
W-6BS	7-Jul-98	15.9	517.33	
W-6BS	22-Oct-98	22.12	511.11	
W-6BS	8-Jan-99	23.84	509.39	
W-6BS	19-Apr-99	17.65	515.58	
W-6BS	23-Jul-99	0.	0.	RA
W-6BS	19-Oct-99	0.	0.	RA
W-6BS	24-Jan-00	23.29	509.94	RA
W-6BS	13-Apr-00	0.	0.	RA
W-6BS	11-Jul-00	0.	0.	NM
W-6BS	12-Oct-00	23.39	509.84	
W-6BS	11-Jan-01	24.51	508.72	
W-6BS	12-Apr-01	23.66	509.57	
W-6BS	16-Jul-01	22.7	510.53	
W-6BS	8-Oct-01	23.04	510.19	CB
W-6BS	14-Jan-02	23.77	509.46	CB
W-6BS	12-Apr-02	23.78	509.45	
W-6BS	3-Jul-02	23.8	509.43	
W-6BS	9-Oct-02	23.51	509.72	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-6BS	6-Jan-03	23.69	509.54	
W-6BS	15-Apr-03	19.3	513.93	
W-6BS	10-Jul-03	20.73	512.5	
W-6BS	2-Oct-03	22.68	510.55	
W-6BS	21-Jan-04	23.13	510.1	
W-6BS	20-Apr-04	22.35	510.88	
W-6BS	6-Jul-04	21.	512.23	
W-6BS	5-Oct-04	23.54	509.69	
W-6BS	25-Jan-05	23.79	509.44	
W-6ES	1-Jun-88	24.59	506.9	
W-6ES	8-Jul-88	24.69	506.8	
W-6ES	3-Aug-88	25.59	505.9	
W-6ES	6-Sep-88	25.68	505.81	
W-6ES	10-Oct-88	25.99	505.5	
W-6ES	4-Nov-88	26.19	505.3	
W-6ES	30-Nov-88	26.19	505.3	
W-6ES	12-Jan-89	26.34	505.15	
W-6ES	10-Feb-89	26.51	504.98	
W-6ES	3-Mar-89	26.62	504.87	
W-6ES	4-Apr-89	26.7	504.79	
W-6ES	8-May-89	26.7	504.79	
W-6ES	6-Jun-89	26.81	504.68	
W-6ES	6-Jul-89	26.79	504.7	
W-6ES	8-Aug-89	26.81	504.68	
W-6ES	6-Sep-89	26.96	504.53	
W-6ES	6-Oct-89	27.11	504.38	
W-6ES	8-Nov-89	27.1	504.39	
W-6ES	8-Dec-89	27.04	504.45	
W-6ES	12-Jan-90	26.98	504.51	
W-6ES	31-Jan-90	27.	504.5	
W-6ES	6-Mar-90	26.59	504.9	
W-6ES	5-Apr-90	26.76	504.73	
W-6ES	4-May-90	26.71	504.78	
W-6ES	7-Jun-90	26.67	504.82	
W-6ES	3-Jul-90	26.68	504.81	
W-6ES	3-Aug-90	26.78	504.71	
W-6ES	13-Sep-90	26.82	504.67	
W-6ES	12-Oct-90	26.94	504.55	
W-6ES	15-Nov-90	27.06	504.43	
W-6ES	4-Dec-90	27.13	504.36	
W-6ES	25-Jan-91	27.42	504.07	
W-6ES	8-Feb-91	27.4	504.09	
W-6ES	8-Mar-91	27.09	504.4	
W-6ES	2-Apr-91	26.41	505.08	
W-6ES	2-May-91	26.53	504.96	
W-6ES	13-Jun-91	26.23	505.26	
W-6ES	3-Jul-91	25.96	505.53	
W-6ES	5-Aug-91	25.16	506.33	
W-6ES	5-Sep-91	24.78	506.71	
W-6ES	2-Oct-91	24.65	506.84	
W-6ES	29-Oct-91	25.	506.49	
W-6ES	4-Dec-91	25.33	506.16	
W-6ES	7-Jan-92	25.65	505.84	
W-6ES	4-Feb-92	25.9	505.59	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-6ES	3-Mar-92	21.52	509.97	
W-6ES	31-Mar-92	19.56	511.93	
W-6ES	4-May-92	18.6	512.89	
W-6ES	1-Jun-92	19.2	512.29	
W-6ES	6-Jul-92	20.94	510.55	
W-6ES	5-Aug-92	22.34	509.15	
W-6ES	1-Sep-92	23.3	508.19	
W-6ES	1-Oct-92	24.14	507.35	
W-6ES	3-Nov-92	24.83	506.66	
W-6ES	2-Dec-92	25.33	506.16	
W-6ES	22-Jan-93	18.19	513.3	
W-6ES	4-Feb-93	15.66	515.83	
W-6ES	2-Mar-93	11.56	519.93	
W-6ES	7-Apr-93	11.3	520.19	
W-6ES	11-May-93	13.69	517.8	
W-6ES	7-Jun-93	15.55	515.94	
W-6ES	14-Jul-93	18.33	513.16	
W-6ES	9-Aug-93	20.44	511.05	
W-6ES	14-Sep-93	22.32	509.17	
W-6ES	13-Oct-93	23.38	508.11	
W-6ES	1-Nov-93	23.96	507.53	
W-6ES	1-Dec-93	24.45	507.04	
W-6ES	5-Jan-94	24.98	506.51	
W-6ES	4-Feb-94	25.28	506.21	
W-6ES	5-Apr-94	25.13	506.36	
W-6ES	5-Jul-94	25.35	506.14	
W-6ES	19-Oct-94	25.78	505.71	
W-6ES	9-Jan-95	26.07	505.42	
W-6ES	6-Apr-95	7.62	523.87	
W-6ES	6-Jul-95	15.79	515.7	
W-6ES	5-Oct-95	22.48	509.01	
W-6ES	10-Jan-96	24.54	506.95	
W-6ES	1-Feb-96	22.32	509.17	
W-6ES	1-Mar-96	7.79	523.7	
W-6ES	3-Apr-96	8.77	522.72	
W-6ES	1-May-96	11.57	519.92	
W-6ES	4-Jun-96	14.23	517.26	
W-6ES	9-Jul-96	17.08	514.41	
W-6ES	5-Aug-96	19.43	512.06	
W-6ES	3-Sep-96	21.88	509.61	
W-6ES	3-Oct-96	23.06	508.43	
W-6ES	5-Nov-96	23.84	507.65	
W-6ES	6-Dec-96	24.3	507.19	
W-6ES	3-Jan-97	19.81	511.68	
W-6ES	3-Feb-97	7.17	524.32	
W-6ES	5-Mar-97	9.2	522.29	
W-6ES	4-Apr-97	12.29	519.2	
W-6ES	1-May-97	14.22	517.27	
W-6ES	2-Jun-97	16.67	514.82	
W-6ES	3-Jul-97	19.11	512.38	
W-6ES	4-Aug-97	21.89	509.6	
W-6ES	4-Sep-97	23.13	508.36	
W-6ES	1-Oct-97	23.82	507.67	
W-6ES	3-Nov-97	24.35	507.14	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-6ES	5-Dec-97	24.71	506.78	
W-6ES	7-Jan-98	24.98	506.51	
W-6ES	4-Feb-98	15.53	515.96	
W-6ES	2-Mar-98	6.35	525.14	
W-6ES	2-Apr-98	10.41	521.08	
W-6ES	5-May-98	11.67	519.82	
W-6ES	3-Jun-98	13.57	517.92	
W-6ES	7-Jul-98	15.08	516.41	
W-6ES	5-Aug-98	16.43	515.06	
W-6ES	4-Sep-98	18.34	513.15	
W-6ES	22-Oct-98	21.28	510.21	
W-6ES	17-Nov-98	22.33	509.16	
W-6ES	2-Dec-98	22.55	508.94	
W-6ES	8-Jan-99	23.1	508.39	
W-6ES	4-Feb-99	22.03	509.46	
W-6ES	4-Mar-99	18.21	513.28	
W-6ES	19-Apr-99	16.72	514.77	
W-6ES	6-May-99	17.3	514.19	
W-6ES	1-Jun-99	18.18	513.31	
W-6ES	23-Jul-99	21.06	510.43	
W-6ES	11-Aug-99	21.93	509.56	
W-6ES	11-Sep-99	0.	0.	NM
W-6ES	19-Oct-99	23.59	507.9	
W-6ES	2-Dec-99	24.32	507.17	
W-6ES	11-Jan-00	24.58	506.91	
W-6ES	15-Feb-00	24.32	507.17	
W-6ES	10-Mar-00	20.57	510.92	
W-6ES	13-Apr-00	19.67	511.82	
W-6ES	2-May-00	19.65	511.84	
W-6ES	2-Jun-00	20.71	510.78	
W-6ES	11-Jul-00	22.23	509.26	
W-6ES	3-Aug-00	22.83	508.66	
W-6ES	6-Sep-00	23.82	507.67	
W-6ES	6-Sep-00	23.82	507.67	
W-6ES	6-Oct-00	24.23	507.26	
W-6ES	6-Nov-00	24.65	506.84	
W-6ES	6-Dec-00	25.02	506.47	
W-6ES	11-Jan-01	25.4	506.09	
W-6ES	7-Feb-01	25.55	505.94	
W-6ES	8-Mar-01	25.07	506.42	
W-6ES	12-Apr-01	24.82	506.67	
W-6ES	1-May-01	24.68	506.81	
W-6ES	6-Jun-01	24.52	506.97	
W-6ES	16-Jul-01	23.7	507.79	
W-6ES	8-Aug-01	23.46	508.03	
W-6ES	13-Sep-01	23.87	507.62	
W-6ES	10-Oct-01	23.84	507.65	
W-6ES	8-Nov-01	25.05	506.44	
W-6ES	7-Dec-01	25.33	506.16	
W-6ES	11-Jan-02	25.09	506.4	
W-6ES	7-Feb-02	25.04	506.45	
W-6ES	7-Mar-02	0.	0.	
W-6ES	12-Apr-02	24.85	506.64	
W-6ES	2-May-02	25.02	506.47	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-6ES	1-Jun-02	25.	506.49	
W-6ES	3-Jul-02	24.87	506.62	
W-6ES	3-Aug-02	24.48	507.01	
W-6ES	6-Sep-02	24.37	507.12	
W-6ES	8-Oct-02	24.68	506.81	
W-6ES	6-Jan-03	23.16	508.33	
W-6ES	4-Feb-03	22.18	509.31	
W-6ES	1-Mar-03	21.31	510.18	
W-6ES	12-Apr-03	20.44	511.05	
W-6ES	14-Jul-03	22.41	509.08	
W-6ES	2-Oct-03	24.18	507.31	
W-6ES	6-Jan-04	25.09	506.4	
W-6ES	6-Apr-04	24.31	507.18	
W-6ES	6-Jul-04	22.29	509.2	
W-6ES	5-Oct-04	24.57	506.92	
W-6ES	10-Jan-05	25.46	506.03	
W-814-04	11-Mar-91	234.98	579.71	
W-814-04	4-Apr-91	234.82	579.87	
W-814-04	6-May-91	234.77	579.92	
W-814-04	11-Jun-91	234.65	580.04	
W-814-04	8-Jul-91	234.84	579.85	
W-814-04	7-Aug-91	235.25	579.44	
W-814-04	9-Sep-91	234.93	579.76	
W-814-04	4-Oct-91	235.25	579.44	
W-814-04	27-Nov-91	234.8	579.89	
W-814-04	5-Dec-91	234.86	579.83	
W-814-04	9-Jan-92	238.84	575.85	
W-814-04	4-Feb-92	234.39	580.3	
W-814-04	3-Mar-92	234.2	580.49	
W-814-04	31-Mar-92	234.2	580.49	
W-814-04	4-May-92	234.23	580.46	
W-814-04	1-Jun-92	234.35	580.34	
W-814-04	13-Jul-92	234.7	579.99	
W-814-04	5-Aug-92	234.74	579.95	
W-814-04	31-Aug-92	234.91	579.78	
W-814-04	1-Oct-92	235.03	579.66	
W-814-04	2-Nov-92	235.22	579.47	
W-814-04	30-Nov-92	235.12	579.57	
W-814-04	26-Jan-93	234.46	580.23	
W-814-04	5-Feb-93	234.26	580.43	
W-814-04	3-Mar-93	234.29	580.4	
W-814-04	8-Apr-93	234.06	580.63	
W-814-04	12-May-93	233.45	581.24	
W-814-04	9-Jun-93	233.5	581.19	
W-814-04	19-Jul-93	233.64	581.05	
W-814-04	9-Aug-93	234.03	580.66	
W-814-04	14-Sep-93	233.58	581.11	
W-814-04	13-Oct-93	233.66	581.03	
W-814-04	1-Nov-93	233.86	580.83	
W-814-04	2-Dec-93	233.7	580.99	
W-814-04	5-Jan-94	233.54	581.15	
W-814-04	3-Feb-94	233.34	581.35	
W-814-04	6-Apr-94	233.56	581.13	
W-814-04	6-Jul-94	234.75	579.94	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-814-04	12-Oct-94	234.45	580.24	
W-814-04	11-Jan-95	234.03	580.66	
W-814-04	6-Apr-95	233.	581.69	
W-814-04	11-Jul-95	233.07	581.62	
W-814-04	6-Oct-95	232.9	581.79	
W-814-04	10-Jan-96	233.18	581.51	
W-814-04	1-Feb-96	232.71	581.98	
W-814-04	1-Mar-96	233.75	580.94	
W-814-04	3-Apr-96	232.85	581.84	
W-814-04	1-May-96	232.64	582.05	
W-814-04	5-Jun-96	232.65	582.04	
W-814-04	10-Jul-96	232.87	581.82	
W-814-04	6-Aug-96	233.01	581.68	
W-814-04	9-Sep-96	232.98	581.71	
W-814-04	4-Oct-96	233.1	581.59	
W-814-04	5-Nov-96	233.08	581.61	
W-814-04	6-Dec-96	232.78	581.91	
W-814-04	6-Jan-97	233.17	581.52	
W-814-04	3-Feb-97	232.78	581.91	
W-814-04	3-Mar-97	232.74	581.95	
W-814-04	7-Apr-97	232.58	582.11	
W-814-04	5-May-97	232.6	582.09	
W-814-04	2-Jun-97	232.72	581.97	
W-814-04	7-Jul-97	232.74	581.95	
W-814-04	4-Aug-97	232.97	581.72	
W-814-04	10-Sep-97	232.99	581.7	
W-814-04	3-Oct-97	233.02	581.67	
W-814-04	3-Nov-97	233.01	581.68	
W-814-04	1-Dec-97	232.78	581.91	
W-814-04	7-Jan-98	232.76	581.93	
W-814-04	4-Feb-98	232.5	582.19	
W-814-04	4-Mar-98	231.35	583.34	
W-814-04	2-Apr-98	230.41	584.28	
W-814-04	6-May-98	230.06	584.63	
W-814-04	3-Jun-98	229.87	584.82	
W-814-04	9-Jul-98	229.92	584.77	
W-814-04	12-Aug-98	230.29	584.4	
W-814-04	8-Sep-98	230.28	584.41	
W-814-04	13-Oct-98	230.77	583.92	
W-814-04	17-Nov-98	230.81	583.88	
W-814-04	1-Dec-98	230.94	583.75	
W-814-04	8-Jan-99	231.08	583.61	
W-814-04	5-Feb-99	231.17	583.52	
W-814-04	4-Mar-99	231.01	583.68	
W-814-04	19-Apr-99	231.44	583.25	
W-814-04	6-May-99	231.33	583.36	
W-814-04	1-Jun-99	231.41	583.28	
W-814-04	23-Jul-99	231.76	582.93	
W-814-04	11-Aug-99	0.	0.	NM
W-814-04	11-Sep-99	0.	0.	NM
W-814-04	7-Oct-99	232.	582.69	
W-814-04	7-Dec-99	232.1	582.59	NM
W-814-04	10-Jan-00	231.56	583.13	
W-814-04	22-Feb-00	232.15	582.54	NM

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-814-04	16-Mar-00	232.01	582.68	
W-814-04	6-Apr-00	232.01	582.68	
W-814-04	4-May-00	231.94	582.75	
W-814-04	7-Jun-00	231.91	582.78	
W-814-04	11-Jul-00	231.96	582.73	
W-814-04	8-Aug-00	232.	582.69	
W-814-04	8-Sep-00	231.85	582.84	
W-814-04	8-Sep-00	231.85	582.84	
W-814-04	12-Oct-00	231.87	582.82	
W-814-04	6-Nov-00	231.87	582.82	
W-814-04	7-Dec-00	232.14	582.55	
W-814-04	4-Jan-01	232.	582.69	
W-814-04	8-Feb-01	231.89	582.8	
W-814-04	8-Mar-01	231.64	583.05	
W-814-04	4-Apr-01	231.73	582.96	
W-814-04	8-May-01	231.73	582.96	
W-814-04	7-Jun-01	232.02	582.67	
W-814-04	13-Jul-01	232.25	582.44	
W-814-04	8-Aug-01	232.38	582.31	
W-814-04	18-Sep-01	232.28	582.41	
W-814-04	8-Oct-01	232.51	582.18	
W-814-04	19-Nov-01	232.6	582.09	
W-814-04	7-Dec-01	232.13	582.56	
W-814-04	8-Jan-02	232.27	582.42	
W-814-04	11-Feb-02	232.25	582.44	
W-814-04	11-Mar-02	0.	0.	NM
W-814-04	5-Apr-02	232.27	582.42	
W-814-04	1-May-02	0.	0.	NM
W-814-04	1-Jun-02	232.33	582.36	
W-814-04	8-Jul-02	232.25	582.44	
W-814-04	6-Aug-02	232.69	582.	
W-814-04	9-Sep-02	233.07	581.62	
W-814-04	2-Oct-02	233.16	581.53	
W-814-04	10-Jan-03	232.87	581.82	
W-814-04	1-Feb-03	232.94	581.75	
W-814-04	1-Mar-03	232.73	581.96	
W-814-04	22-Apr-03	232.63	582.06	
W-814-04	28-Jul-03	233.32	581.37	
W-814-04	3-Oct-03	233.16	581.53	
W-814-04	8-Jan-04	234.23	580.46	
W-814-04	14-Apr-04	233.31	581.38	
W-814-04	8-Jul-04	233.1	581.59	
W-814-04	5-Oct-04	234.25	580.44	
W-814-04	3-Jan-05	234.12	580.57	
W-830-04A	1-Jun-88	43.99	580.11	
W-830-04A	6-Jul-88	44.17	579.93	
W-830-04A	4-Aug-88	44.49	581.61	
W-830-04A	30-Aug-88	44.45	579.65	
W-830-04A	4-Oct-88	44.66	579.44	
W-830-04A	4-Nov-88	44.51	579.59	
W-830-04A	2-Dec-88	44.3	579.8	
W-830-04A	12-Jan-89	44.21	579.89	
W-830-04A	9-Feb-89	44.13	579.97	
W-830-04A	2-Mar-89	43.91	580.19	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-04A	12-Apr-89	44.17	579.93	
W-830-04A	9-May-89	44.44	579.66	
W-830-04A	7-Jun-89	44.78	579.32	
W-830-04A	10-Jul-89	45.14	578.96	
W-830-04A	9-Aug-89	45.5	578.6	
W-830-04A	7-Sep-89	45.56	578.54	
W-830-04A	9-Oct-89	45.5	578.6	
W-830-04A	9-Nov-89	45.93	578.17	
W-830-04A	8-Dec-89	45.97	578.13	
W-830-04A	11-Jan-90	45.91	578.19	
W-830-04A	30-Jan-90	45.8	578.3	
W-830-04A	8-Mar-90	45.59	578.51	
W-830-04A	5-Apr-90	45.55	578.55	
W-830-04A	3-May-90	45.64	578.46	
W-830-04A	7-Jun-90	45.85	578.25	
W-830-04A	5-Jul-90	48.03	576.07	
W-830-04A	7-Aug-90	46.5	577.6	
W-830-04A	12-Sep-90	46.65	577.45	
W-830-04A	15-Oct-90	46.52	577.58	
W-830-04A	15-Nov-90	46.26	577.84	
W-830-04A	7-Dec-90	46.18	577.92	
W-830-04A	25-Jan-91	45.86	578.24	
W-830-04A	11-Feb-91	45.81	578.29	
W-830-04A	11-Mar-91	45.53	578.57	
W-830-04A	5-Apr-91	45.31	578.79	
W-830-04A	8-May-91	45.46	578.64	
W-830-04A	17-Jun-91	45.75	578.35	
W-830-04A	11-Jul-91	45.91	578.19	
W-830-04A	8-Aug-91	46.29	577.81	
W-830-04A	11-Sep-91	46.24	577.86	
W-830-04A	8-Oct-91	46.21	577.89	
W-830-04A	12-Nov-91	45.87	578.23	
W-830-04A	6-Dec-91	45.67	578.43	
W-830-04A	16-Jan-92	45.51	578.59	
W-830-04A	6-Feb-92	45.23	578.87	
W-830-04A	4-Mar-92	45.11	578.99	
W-830-04A	2-Apr-92	45.04	579.06	
W-830-04A	6-May-92	45.31	578.79	
W-830-04A	3-Jun-92	45.44	578.66	
W-830-04A	7-Jul-92	45.75	578.35	
W-830-04A	14-Aug-92	45.96	578.14	
W-830-04A	1-Sep-92	46.17	577.93	
W-830-04A	8-Oct-92	46.27	577.83	
W-830-04A	4-Nov-92	46.25	577.85	
W-830-04A	4-Dec-92	45.88	578.22	
W-830-04A	8-Jan-93	45.19	578.91	
W-830-04A	5-Feb-93	44.98	579.12	
W-830-04A	4-Mar-93	44.74	579.36	
W-830-04A	9-Apr-93	44.21	579.89	
W-830-04A	12-May-93	44.1	580.	
W-830-04A	10-Jun-93	44.23	579.87	
W-830-04A	20-Jul-93	44.59	579.51	
W-830-04A	11-Aug-93	44.7	579.4	
W-830-04A	14-Sep-93	44.66	579.44	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-04A	13-Oct-93	44.52	579.58	
W-830-04A	2-Nov-93	44.52	579.58	
W-830-04A	3-Dec-93	44.45	579.65	
W-830-04A	6-Jan-94	44.37	579.73	
W-830-04A	4-Feb-94	44.18	579.92	
W-830-04A	4-Mar-94	44.31	579.79	
W-830-04A	8-Apr-94	44.43	579.67	
W-830-04A	6-May-94	44.64	579.46	
W-830-04A	3-Jun-94	44.91	579.19	
W-830-04A	6-Jul-94	45.13	578.97	
W-830-04A	3-Aug-94	45.08	579.02	
W-830-04A	12-Oct-94	45.43	578.67	
W-830-04A	2-Nov-94	45.62	578.48	
W-830-04A	9-Jan-95	44.76	579.34	
W-830-04A	8-Mar-95	44.42	579.68	
W-830-04A	6-Apr-95	43.64	580.46	
W-830-04A	4-May-95	43.66	580.44	
W-830-04A	12-May-95	43.63	580.47	PS
W-830-04A	2-Jun-95	43.74	580.36	
W-830-04A	6-Jul-95	43.9	580.2	
W-830-04A	1-Aug-95	43.86	580.24	
W-830-04A	5-Sep-95	43.9	580.2	
W-830-04A	6-Oct-95	43.81	580.29	
W-830-04A	2-Nov-95	43.84	580.26	
W-830-04A	4-Dec-95	43.89	580.21	
W-830-04A	10-Jan-96	43.78	580.32	
W-830-04A	2-Feb-96	43.61	580.49	
W-830-04A	4-Mar-96	43.44	580.66	
W-830-04A	2-Apr-96	43.55	580.55	
W-830-04A	1-May-96	43.45	580.65	
W-830-04A	3-Jun-96	43.58	580.52	
W-830-04A	9-Jul-96	43.8	580.3	
W-830-04A	6-Aug-96	44.05	580.05	
W-830-04A	9-Sep-96	44.03	580.07	
W-830-04A	10-Oct-96	44.06	580.04	
W-830-04A	5-Nov-96	43.95	580.15	
W-830-04A	4-Dec-96	43.8	580.3	
W-830-04A	3-Jan-97	43.62	580.48	
W-830-04A	3-Feb-97	43.41	580.69	
W-830-04A	3-Mar-97	43.47	580.63	
W-830-04A	3-Apr-97	43.13	580.97	
W-830-04A	1-May-97	43.54	580.56	
W-830-04A	2-Jun-97	43.61	580.49	
W-830-04A	1-Jul-97	43.81	580.29	
W-830-04A	1-Aug-97	43.97	580.13	
W-830-04A	2-Sep-97	44.02	580.08	
W-830-04A	10-Oct-97	43.95	580.15	
W-830-04A	3-Nov-97	43.95	580.15	
W-830-04A	1-Dec-97	43.72	580.38	
W-830-04A	7-Jan-98	43.65	580.45	
W-830-04A	4-Feb-98	43.11	580.99	
W-830-04A	2-Mar-98	42.48	581.62	
W-830-04A	2-Apr-98	43.2	580.9	
W-830-04A	6-May-98	42.02	582.08	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-04A	4-Jun-98	41.92	582.18	
W-830-04A	9-Jul-98	41.71	582.39	
W-830-04A	5-Aug-98	42.09	582.01	
W-830-04A	4-Sep-98	42.05	582.05	
W-830-04A	22-Oct-98	42.27	581.83	
W-830-04A	17-Nov-98	42.17	581.93	
W-830-04A	2-Dec-98	42.38	581.72	
W-830-04A	8-Jan-99	42.35	581.75	
W-830-04A	3-Feb-99	42.38	581.72	
W-830-04A	4-Mar-99	42.37	581.73	
W-830-04A	19-Apr-99	42.55	581.55	
W-830-04A	6-May-99	42.72	581.38	
W-830-04A	8-Jun-99	42.89	581.21	
W-830-04A	28-Jul-99	43.1	581.	
W-830-04A	20-Aug-99	43.05	581.05	
W-830-04A	8-Sep-99	43.15	580.95	
W-830-04A	11-Oct-99	43.24	580.86	
W-830-04A	7-Dec-99	43.16	580.94	
W-830-04A	11-Jan-00	42.79	581.31	
W-830-04A	28-Feb-00	43.31	580.79	
W-830-04A	18-Mar-00	43.28	580.82	
W-830-04A	4-Apr-00	43.38	580.72	
W-830-04A	3-May-00	43.21	580.89	
W-830-04A	1-Jun-00	43.02	581.08	
W-830-04A	21-Jun-00	43.18	580.92	PS
W-830-04A	7-Jul-00	43.23	580.87	
W-830-04A	2-Aug-00	43.22	580.88	
W-830-04A	6-Sep-00	43.33	580.77	
W-830-04A	6-Sep-00	43.33	580.77	
W-830-04A	2-Oct-00	42.99	581.11	
W-830-04A	3-Nov-00	42.91	581.19	
W-830-04A	4-Dec-00	43.35	580.75	
W-830-04A	12-Jan-01	43.43	580.67	
W-830-04A	1-Feb-01	43.08	581.02	
W-830-04A	8-Mar-01	42.94	581.16	
W-830-04A	5-Apr-01	43.03	581.07	
W-830-04A	2-May-01	42.98	581.12	
W-830-04A	3-May-01	42.98	581.12	PS
W-830-04A	5-Jun-01	43.15	580.95	
W-830-04A	5-Jul-01	43.36	580.74	
W-830-04A	3-Aug-01	43.69	580.41	
W-830-04A	13-Sep-01	43.34	580.76	
W-830-04A	27-Sep-01	43.51	580.59	PS
W-830-04A	5-Oct-01	43.63	580.47	
W-830-04A	13-Nov-01	43.16	580.94	
W-830-04A	5-Dec-01	42.99	581.11	
W-830-04A	3-Jan-02	42.98	581.12	
W-830-04A	8-Feb-02	43.53	580.57	
W-830-04A	7-Mar-02	43.05	581.05	
W-830-04A	2-Apr-02	42.95	581.15	
W-830-04A	1-May-02	42.96	581.14	
W-830-04A	2-Jun-02	43.	581.1	
W-830-04A	15-Jul-02	43.5	580.6	
W-830-04A	2-Aug-02	43.78	580.32	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-04A	3-Sep-02	44.07	580.03	
W-830-04A	5-Oct-02	44.18	579.92	
W-830-04A	6-Jan-03	43.94	580.16	
W-830-04A	3-Feb-03	44.1	580.	
W-830-04A	1-Mar-03	43.68	580.42	
W-830-04A	8-Apr-03	43.71	580.39	
W-830-04A	7-Jul-03	44.75	579.35	
W-830-04A	2-Oct-03	44.65	579.45	
W-830-04A	7-Jan-04	46.19	577.91	
W-830-04A	13-Apr-04	44.55	579.55	
W-830-04A	6-Jul-04	44.43	579.67	
W-830-04A	6-Oct-04	45.85	578.25	
W-830-04A	3-Jan-05	45.5	578.6	
W-830-05	1-Jun-88	24.51	559.86	
W-830-05	6-Jul-88	24.64	559.73	
W-830-05	4-Aug-88	24.68	560.62	
W-830-05	30-Aug-88	24.64	559.73	
W-830-05	4-Oct-88	24.75	559.62	
W-830-05	4-Nov-88	24.88	559.49	
W-830-05	2-Dec-88	24.83	559.54	
W-830-05	12-Jan-89	24.91	559.46	
W-830-05	9-Feb-89	24.87	559.5	
W-830-05	2-Mar-89	24.68	559.69	
W-830-05	12-Apr-89	24.91	559.46	
W-830-05	9-May-89	24.89	559.48	
W-830-05	7-Jun-89	25.03	559.34	
W-830-05	10-Jul-89	25.11	559.26	
W-830-05	9-Aug-89	26.38	557.99	
W-830-05	7-Sep-89	26.39	557.98	
W-830-05	9-Oct-89	25.	559.37	
W-830-05	9-Nov-89	26.17	558.2	
W-830-05	8-Dec-89	25.97	558.4	
W-830-05	11-Jan-90	25.88	558.49	
W-830-05	30-Jan-90	26.	558.4	
W-830-05	8-Mar-90	25.87	558.5	
W-830-05	5-Apr-90	25.96	558.41	
W-830-05	3-May-90	26.2	558.17	
W-830-05	7-Jun-90	26.21	558.16	
W-830-05	5-Jul-90	27.04	557.33	
W-830-05	7-Aug-90	27.54	556.83	
W-830-05	12-Sep-90	27.41	556.96	
W-830-05	15-Oct-90	27.02	557.35	
W-830-05	15-Nov-90	26.35	558.02	
W-830-05	7-Dec-90	26.34	558.03	
W-830-05	25-Jan-91	26.02	558.35	
W-830-05	11-Feb-91	25.81	558.56	
W-830-05	11-Mar-91	25.74	558.63	
W-830-05	5-Apr-91	25.79	558.58	
W-830-05	8-May-91	25.9	558.47	
W-830-05	17-Jun-91	26.52	557.85	
W-830-05	11-Jul-91	26.79	557.58	
W-830-05	8-Aug-91	27.07	557.3	
W-830-05	11-Sep-91	27.12	557.25	
W-830-05	8-Oct-91	27.	557.37	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-05	12-Nov-91	26.34	558.03	
W-830-05	6-Dec-91	26.11	558.26	
W-830-05	16-Jan-92	25.97	558.4	
W-830-05	6-Feb-92	25.91	558.46	
W-830-05	4-Mar-92	25.74	558.63	
W-830-05	2-Apr-92	25.64	558.73	
W-830-05	6-May-92	25.96	558.41	
W-830-05	3-Jun-92	26.2	558.17	
W-830-05	7-Jul-92	26.39	557.98	
W-830-05	14-Aug-92	26.6	557.77	
W-830-05	3-Sep-92	26.63	557.74	
W-830-05	8-Oct-92	26.56	557.81	
W-830-05	4-Nov-92	26.4	557.97	
W-830-05	4-Dec-92	26.14	558.23	
W-830-05	8-Jan-93	25.53	558.84	
W-830-05	5-Feb-93	25.5	558.87	
W-830-05	4-Mar-93	25.56	558.81	
W-830-05	9-Apr-93	25.55	558.82	
W-830-05	12-May-93	25.28	559.09	
W-830-05	10-Jun-93	25.53	558.84	
W-830-05	20-Jul-93	26.	558.37	
W-830-05	11-Aug-93	25.95	558.42	
W-830-05	14-Sep-93	25.72	558.65	
W-830-05	13-Oct-93	25.57	558.8	
W-830-05	2-Nov-93	25.59	558.78	
W-830-05	3-Dec-93	25.52	558.85	
W-830-05	6-Jan-94	25.54	558.83	
W-830-05	4-Feb-94	25.48	558.89	
W-830-05	4-Mar-94	25.49	558.88	
W-830-05	8-Apr-94	25.57	558.8	
W-830-05	6-May-94	25.71	558.66	
W-830-05	3-Jun-94	25.81	558.56	
W-830-05	6-Jul-94	26.12	558.25	
W-830-05	3-Aug-94	26.24	558.13	
W-830-05	12-Oct-94	26.15	558.22	
W-830-05	2-Nov-94	26.25	558.12	
W-830-05	9-Jan-95	25.59	558.78	
W-830-05	8-Mar-95	25.6	558.77	
W-830-05	6-Apr-95	25.26	559.11	
W-830-05	4-May-95	25.35	559.02	
W-830-05	11-May-95	25.37	559.	PS
W-830-05	2-Jun-95	25.51	558.86	
W-830-05	6-Jul-95	24.93	559.44	
W-830-05	1-Aug-95	24.78	559.59	
W-830-05	5-Sep-95	24.74	559.63	
W-830-05	6-Oct-95	24.65	559.72	
W-830-05	2-Nov-95	24.68	559.69	
W-830-05	4-Dec-95	24.68	559.69	
W-830-05	10-Jan-96	24.75	559.62	
W-830-05	2-Feb-96	24.73	559.64	
W-830-05	4-Mar-96	24.67	559.7	
W-830-05	2-Apr-96	24.68	559.69	
W-830-05	1-May-96	24.68	559.69	
W-830-05	3-Jun-96	24.75	559.62	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-05	9-Jul-96	24.58	559.79	
W-830-05	6-Aug-96	24.74	559.63	
W-830-05	9-Sep-96	24.61	559.76	
W-830-05	10-Oct-96	24.7	559.67	
W-830-05	5-Nov-96	24.72	559.65	
W-830-05	4-Dec-96	24.68	559.69	
W-830-05	3-Jan-97	24.91	559.46	
W-830-05	3-Feb-97	24.87	559.5	
W-830-05	3-Mar-97	24.93	559.44	
W-830-05	3-Apr-97	24.8	559.57	
W-830-05	1-May-97	24.89	559.48	
W-830-05	2-Jun-97	24.8	559.57	
W-830-05	1-Jul-97	24.88	559.49	
W-830-05	1-Aug-97	24.84	559.53	
W-830-05	2-Sep-97	24.81	559.56	
W-830-05	10-Oct-97	24.77	559.6	
W-830-05	3-Nov-97	24.78	559.59	
W-830-05	1-Dec-97	24.76	559.61	
W-830-05	7-Jan-98	23.82	560.55	
W-830-05	4-Feb-98	24.34	560.03	
W-830-05	2-Mar-98	24.7	559.67	
W-830-05	2-Apr-98	24.69	559.68	
W-830-05	6-May-98	24.05	560.32	
W-830-05	4-Jun-98	23.87	560.5	
W-830-05	9-Jul-98	23.62	560.75	
W-830-05	5-Aug-98	23.66	560.71	
W-830-05	4-Sep-98	23.61	560.76	
W-830-05	21-Oct-98	23.64	560.73	
W-830-05	17-Nov-98	23.93	560.44	
W-830-05	2-Dec-98	23.92	560.45	
W-830-05	8-Jan-99	23.93	560.44	
W-830-05	5-Feb-99	23.94	560.43	
W-830-05	4-Mar-99	23.87	560.5	
W-830-05	19-Apr-99	23.95	560.42	
W-830-05	6-May-99	23.96	560.41	
W-830-05	8-Jun-99	23.96	560.41	
W-830-05	28-Jul-99	24.02	560.35	
W-830-05	20-Aug-99	24.07	560.3	
W-830-05	8-Sep-99	23.97	560.4	
W-830-05	11-Oct-99	24.	560.37	
W-830-05	7-Dec-99	24.23	560.14	
W-830-05	11-Jan-00	23.95	560.42	
W-830-05	28-Jan-00	23.99	560.38	PS
W-830-05	28-Feb-00	24.2	560.17	
W-830-05	18-Mar-00	24.15	560.22	
W-830-05	4-Apr-00	24.12	560.25	
W-830-05	3-May-00	23.94	560.43	
W-830-05	1-Jun-00	23.91	560.46	
W-830-05	21-Jun-00	23.72	560.65	PS
W-830-05	7-Jul-00	23.68	560.69	
W-830-05	2-Aug-00	23.68	560.69	
W-830-05	6-Sep-00	23.74	560.63	
W-830-05	6-Sep-00	23.74	560.63	
W-830-05	3-Oct-00	23.88	560.49	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-05	3-Nov-00	24.07	560.3	
W-830-05	4-Dec-00	24.11	560.26	
W-830-05	12-Jan-01	24.38	559.99	
W-830-05	1-Feb-01	24.16	560.21	
W-830-05	8-Mar-01	24.47	559.9	
W-830-05	5-Apr-01	24.39	559.98	
W-830-05	2-May-01	24.52	559.85	
W-830-05	3-May-01	24.52	559.85	PS
W-830-05	5-Jun-01	24.64	559.73	
W-830-05	5-Jul-01	24.56	559.81	
W-830-05	3-Aug-01	24.68	559.69	
W-830-05	13-Sep-01	24.73	559.64	
W-830-05	5-Oct-01	24.69	559.68	
W-830-05	13-Nov-01	24.89	559.48	
W-830-05	5-Dec-01	24.79	559.58	
W-830-05	3-Jan-02	24.72	559.65	
W-830-05	8-Feb-02	24.89	559.48	
W-830-05	7-Mar-02	24.77	559.6	
W-830-05	2-Apr-02	24.73	559.64	
W-830-05	1-May-02	24.86	559.51	
W-830-05	2-Jun-02	24.9	559.47	
W-830-05	15-Jul-02	24.95	559.42	
W-830-05	2-Aug-02	24.99	559.38	
W-830-05	3-Sep-02	25.05	559.32	
W-830-05	5-Oct-02	25.15	559.22	
W-830-05	6-Jan-03	24.92	559.45	
W-830-05	3-Feb-03	25.	559.37	
W-830-05	1-Mar-03	24.96	559.41	
W-830-05	15-Apr-03	24.92	559.45	
W-830-05	7-Jul-03	24.96	559.41	
W-830-05	2-Oct-03	24.94	559.43	
W-830-05	6-Jan-04	24.99	559.38	
W-830-05	13-Apr-04	25.03	559.34	
W-830-05	6-Jul-04	25.21	559.16	
W-830-05	6-Oct-04	23.53	560.84	
W-830-05	3-Jan-05	24.96	559.41	
W-830-07	8-Nov-96	0.	0.	DRY
W-830-07	4-Dec-96	0.	0.	DRY
W-830-07	7-Jan-97	0.	0.	DRY
W-830-07	4-Feb-97	0.	0.	DRY
W-830-07	5-Mar-97	0.	0.	DRY
W-830-07	9-Apr-97	0.	0.	DRY
W-830-07	5-May-97	0.	0.	DRY
W-830-07	4-Jun-97	0.	0.	DRY
W-830-07	1-Jul-97	0.	0.	DRY
W-830-07	1-Aug-97	0.	0.	DRY
W-830-07	5-Sep-97	0.	0.	DRY
W-830-07	8-Oct-97	0.	0.	DRY
W-830-07	3-Nov-97	0.	0.	DRY
W-830-07	4-Dec-97	0.	0.	DRY
W-830-07	9-Jan-98	0.	0.	DRY
W-830-07	9-Feb-98	10.45	624.35	
W-830-07	4-Mar-98	0.	0.	DRY
W-830-07	2-Apr-98	0.	0.	DRY

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-07	4-May-98	0.	0.	DRY
W-830-07	4-Jun-98	0.	0.	DRY NO RECOR
W-830-07	16-Jul-98	0.	0.	DRY
W-830-07	6-Aug-98	0.	0.	DRY NO RCRD
W-830-07	3-Sep-98	0.	0.	DRY NO RCRD
W-830-07	8-Oct-98	0.	0.	DRY
W-830-07	19-Nov-98	0.	0.	DRY
W-830-07	4-Dec-98	0.	0.	DRY
W-830-07	7-Jan-99	0.	0.	DRY
W-830-07	3-Feb-99	0.	0.	DRY
W-830-07	8-Mar-99	0.	0.	DRY
W-830-07	12-Apr-99	0.	0.	DRY
W-830-07	5-May-99	0.	0.	DRY
W-830-07	8-Jun-99	0.	0.	DRY
W-830-07	7-Jul-99	0.	0.	DRY
W-830-07	20-Aug-99	0.	0.	DRY
W-830-07	20-Sep-99	0.	0.	DRY
W-830-07	19-Oct-99	0.	0.	DRY
W-830-07	9-Dec-99	0.	0.	DRY
W-830-07	19-Jan-00	0.	0.	DRY
W-830-07	29-Feb-00	0.	0.	NA
W-830-07	18-Mar-00	0.	0.	DRY
W-830-07	4-Apr-00	0.	0.	DRY
W-830-07	3-May-00	0.	0.	DRY
W-830-07	9-Jun-00	0.	0.	DRY
W-830-07	7-Jul-00	0.	0.	DRY
W-830-07	2-Aug-00	0.	0.	DRY
W-830-07	6-Sep-00	0.	0.	DRY
W-830-07	6-Sep-00	0.	0.	DRY
W-830-07	3-Oct-00	0.	0.	DRY
W-830-07	3-Nov-00	0.	0.	DRY
W-830-07	4-Dec-00	0.	0.	DRY
W-830-07	9-Jan-01	0.	0.	DRY
W-830-07	1-Feb-01	0.	0.	DRY
W-830-07	8-Mar-01	0.	0.	DRY
W-830-07	11-Apr-01	0.	0.	DRY
W-830-07	7-May-01	0.	0.	DRY
W-830-07	6-Jun-01	0.	0.	DRY
W-830-07	6-Jul-01	0.	0.	DRY
W-830-07	6-Aug-01	0.	0.	DRY
W-830-07	10-Sep-01	0.	0.	DRY
W-830-07	8-Oct-01	0.	0.	DRY
W-830-07	13-Nov-01	0.	0.	DRY
W-830-07	10-Dec-01	0.	0.	DRY
W-830-07	7-Jan-02	0.	0.	DRY
W-830-07	14-Feb-02	0.	0.	DRY
W-830-07	12-Apr-02	0.	0.	DRY
W-830-07	1-May-02	0.	0.	DRY
W-830-07	2-Jun-02	0.	0.	DRY
W-830-07	15-Jul-02	0.	0.	DRY
W-830-07	1-Aug-02	0.	0.	DRY
W-830-07	4-Sep-02	0.	0.	DRY
W-830-07	5-Oct-02	0.	0.	DRY
W-830-07	11-Jan-03	11.5	623.3	MUD

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-07	5-Feb-03	0.	0.	DRY
W-830-07	4-Mar-03	0.	0.	DRY
W-830-07	8-Apr-03	0.	0.	DRY
W-830-07	1-Jul-03	0.	0.	DRY
W-830-07	2-Oct-03	0.	0.	DRY
W-830-07	8-Jan-04	0.	0.	DRY
W-830-07	7-Apr-04	0.	0.	DRY
W-830-07	7-Jul-04	0.	0.	DRY
W-830-07	5-Oct-04	0.	0.	DRY
W-830-07	13-Jan-05	0.	0.	DRY
W-830-09	2-Jun-88	99.53	597.57	
W-830-09	6-Jul-88	99.6	597.5	
W-830-09	5-Aug-88	99.7	597.4	
W-830-09	30-Aug-88	99.7	597.4	
W-830-09	4-Oct-88	100.07	597.03	
W-830-09	4-Nov-88	100.37	596.73	
W-830-09	2-Dec-88	100.3	596.8	
W-830-09	12-Jan-89	100.56	596.54	
W-830-09	9-Feb-89	100.45	596.65	
W-830-09	2-Mar-89	99.91	597.19	
W-830-09	12-Apr-89	100.08	597.02	
W-830-09	9-May-89	100.39	596.71	
W-830-09	7-Jun-89	100.55	596.55	
W-830-09	10-Jul-89	100.64	596.46	
W-830-09	9-Aug-89	100.87	596.23	
W-830-09	7-Sep-89	101.1	596.	
W-830-09	9-Oct-89	101.46	595.64	
W-830-09	9-Nov-89	102.53	594.57	
W-830-09	8-Dec-89	102.72	594.38	
W-830-09	11-Jan-90	102.61	594.49	
W-830-09	30-Jan-90	102.5	594.6	
W-830-09	8-Mar-90	102.7	594.4	
W-830-09	5-Apr-90	102.86	594.24	
W-830-09	3-May-90	103.06	594.04	
W-830-09	7-Jun-90	103.36	593.74	
W-830-09	9-Jul-90	103.23	593.87	
W-830-09	7-Aug-90	103.47	593.63	
W-830-09	12-Sep-90	103.71	593.39	
W-830-09	15-Oct-90	103.81	593.29	
W-830-09	15-Nov-90	104.07	593.03	
W-830-09	7-Dec-90	104.05	593.05	
W-830-09	25-Jan-91	103.96	593.14	
W-830-09	11-Feb-91	103.97	593.13	
W-830-09	11-Mar-91	104.09	593.01	
W-830-09	5-Apr-91	104.01	593.09	
W-830-09	8-May-91	103.81	593.29	
W-830-09	17-Jun-91	103.98	593.12	
W-830-09	11-Jul-91	104.04	593.06	
W-830-09	8-Aug-91	103.65	593.45	
W-830-09	11-Sep-91	104.51	592.59	
W-830-09	8-Oct-91	104.48	592.62	
W-830-09	27-Nov-91	104.45	592.65	
W-830-09	6-Dec-91	104.69	592.41	
W-830-09	16-Jan-92	104.6	592.5	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-09	6-Feb-92	104.15	592.95	
W-830-09	4-Mar-92	104.46	592.64	
W-830-09	2-Apr-92	104.39	592.71	
W-830-09	6-May-92	104.51	592.59	
W-830-09	3-Jun-92	104.29	592.81	
W-830-09	7-Jul-92	104.61	592.49	
W-830-09	14-Aug-92	104.75	592.35	
W-830-09	2-Sep-92	104.75	592.35	
W-830-09	8-Oct-92	104.86	592.24	
W-830-09	4-Nov-92	105.1	592.	
W-830-09	4-Dec-92	104.81	592.29	
W-830-09	8-Jan-93	104.72	592.38	
W-830-09	5-Feb-93	104.86	592.24	
W-830-09	4-Mar-93	105.06	592.04	
W-830-09	9-Apr-93	104.73	592.37	
W-830-09	12-May-93	104.4	592.7	
W-830-09	10-Jun-93	104.33	592.77	
W-830-09	20-Jul-93	104.2	592.9	
W-830-09	11-Aug-93	104.38	592.72	
W-830-09	14-Sep-93	104.38	592.72	
W-830-09	13-Oct-93	104.23	592.87	
W-830-09	2-Nov-93	104.65	592.45	
W-830-09	3-Dec-93	104.3	592.8	
W-830-09	6-Jan-94	104.12	592.98	
W-830-09	3-Feb-94	103.74	593.36	
W-830-09	4-Mar-94	103.86	593.24	
W-830-09	12-Apr-94	103.94	593.16	
W-830-09	6-May-94	103.82	593.28	
W-830-09	3-Jun-94	103.9	593.2	
W-830-09	6-Jul-94	104.01	593.09	
W-830-09	3-Aug-94	104.	593.1	
W-830-09	12-Oct-94	104.54	592.56	
W-830-09	2-Nov-94	104.62	592.48	
W-830-09	12-Jan-95	104.65	592.45	
W-830-09	8-Mar-95	104.18	592.92	
W-830-09	6-Apr-95	104.05	593.05	
W-830-09	4-May-95	103.96	593.14	
W-830-09	16-May-95	103.99	593.11	PS
W-830-09	2-Jun-95	103.89	593.21	
W-830-09	7-Jul-95	0.	0.	NM
W-830-09	2-Aug-95	0.	0.	TR
W-830-09	6-Sep-95	0.	0.	NM
W-830-09	5-Oct-95	103.79	593.31	
W-830-09	2-Nov-95	104.	593.1	
W-830-09	5-Dec-95	103.97	593.13	
W-830-09	11-Jan-96	103.99	593.11	
W-830-09	2-Feb-96	103.79	593.31	
W-830-09	5-Mar-96	103.7	593.4	
W-830-09	4-Apr-96	103.83	593.27	
W-830-09	2-May-96	103.41	593.69	
W-830-09	5-Jun-96	103.22	593.88	
W-830-09	11-Jul-96	103.42	593.68	
W-830-09	7-Aug-96	103.4	593.7	
W-830-09	6-Sep-96	103.4	593.7	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-09	11-Oct-96	103.6	593.5	
W-830-09	7-Nov-96	103.77	593.33	
W-830-09	4-Dec-96	103.48	593.62	
W-830-09	7-Jan-97	103.72	593.38	
W-830-09	4-Feb-97	103.41	593.69	
W-830-09	5-Mar-97	103.49	593.61	
W-830-09	9-Apr-97	103.08	594.02	
W-830-09	5-May-97	103.25	593.85	
W-830-09	4-Jun-97	103.09	594.01	
W-830-09	11-Jul-97	103.05	594.05	
W-830-09	5-Aug-97	103.24	593.86	
W-830-09	5-Sep-97	103.2	593.9	
W-830-09	8-Oct-97	103.42	593.68	
W-830-09	6-Nov-97	103.32	593.78	
W-830-09	5-Dec-97	103.21	593.89	
W-830-09	9-Jan-98	103.05	594.05	
W-830-09	5-Feb-98	103.32	593.78	
W-830-09	4-Mar-98	103.02	594.08	
W-830-09	2-Apr-98	103.17	593.93	
W-830-09	4-May-98	102.71	594.39	
W-830-09	4-Jun-98	102.37	594.73	
W-830-09	16-Jul-98	102.11	594.99	
W-830-09	6-Aug-98	101.94	595.16	
W-830-09	3-Sep-98	101.7	595.4	
W-830-09	8-Oct-98	101.67	595.43	
W-830-09	19-Nov-98	101.65	595.45	
W-830-09	4-Dec-98	101.42	595.68	
W-830-09	7-Jan-99	101.19	595.91	
W-830-09	3-Feb-99	101.01	596.09	
W-830-09	8-Mar-99	100.73	596.37	
W-830-09	12-Apr-99	100.57	596.53	
W-830-09	5-May-99	100.58	596.52	
W-830-09	8-Jun-99	100.34	596.76	
W-830-09	7-Jul-99	100.26	596.84	
W-830-09	10-Aug-99	100.17	596.93	
W-830-09	10-Sep-99	0.	0.	NM
W-830-09	11-Oct-99	99.98	597.12	
W-830-09	10-Dec-99	100.1	597.	
W-830-09	11-Jan-00	99.55	597.55	
W-830-09	9-Feb-00	99.74	597.36	
W-830-09	18-Mar-00	100.	597.1	
W-830-09	4-Apr-00	99.95	597.15	
W-830-09	3-May-00	99.46	597.64	
W-830-09	9-Jun-00	99.76	597.34	
W-830-09	22-Jun-00	99.42	597.68	PS
W-830-09	5-Jul-00	99.78	597.32	
W-830-09	31-Jul-00	100.22	596.88	PS
W-830-09	1-Aug-00	100.45	596.65	
W-830-09	5-Sep-00	100.76	596.34	
W-830-09	2-Oct-00	100.79	596.31	
W-830-09	1-Nov-00	101.27	595.83	
W-830-09	16-Nov-00	101.25	595.85	ps
W-830-09	4-Dec-00	101.25	595.85	
W-830-09	9-Jan-01	100.72	596.38	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-09	29-Jan-01	100.95	596.15	PS
W-830-09	1-Feb-01	100.95	596.15	
W-830-09	2-Mar-01	100.62	596.48	
W-830-09	5-Apr-01	100.98	596.12	
W-830-09	2-May-01	101.36	595.74	
W-830-09	15-May-01	101.41	595.69	PS
W-830-09	6-Jun-01	101.59	595.51	
W-830-09	6-Jul-01	101.31	595.79	
W-830-09	6-Aug-01	101.75	595.35	
W-830-09	10-Sep-01	102.02	595.08	
W-830-09	8-Oct-01	102.19	594.91	
W-830-09	13-Nov-01	102.79	594.31	
W-830-09	30-Nov-01	102.13	594.97	PS
W-830-09	5-Dec-01	102.13	594.97	
W-830-09	7-Jan-02	101.87	595.23	
W-830-09	8-Feb-02	102.04	595.06	
W-830-09	2-Apr-02	101.79	595.31	
W-830-09	1-May-02	102.17	594.93	
W-830-09	3-Jun-02	102.15	594.95	
W-830-09	18-Jul-02	101.67	595.43	
W-830-09	1-Aug-02	102.25	594.85	
W-830-09	3-Sep-02	102.39	594.71	
W-830-09	1-Oct-02	102.36	594.74	
W-830-09	6-Jan-03	100.65	596.45	
W-830-09	5-Feb-03	101.59	595.51	
W-830-09	4-Mar-03	101.36	595.74	
W-830-09	5-Apr-03	101.6	595.5	
W-830-09	9-Jul-03	100.86	596.24	
W-830-09	1-Oct-03	100.88	596.22	
W-830-09	6-Jan-04	101.3	595.8	
W-830-09	1-Apr-04	101.54	595.56	
W-830-09	6-Jul-04	102.05	595.05	
W-830-09	4-Oct-04	101.41	595.69	
W-830-09	6-Jan-05	101.61	595.49	
W-830-10	2-Apr-92	17.69	579.01	
W-830-10	7-Jul-92	18.38	578.32	
W-830-10	8-Oct-92	18.95	577.75	
W-830-10	8-Jan-93	17.85	578.85	
W-830-10	9-Apr-93	16.91	579.79	
W-830-10	20-Jul-93	17.29	579.41	
W-830-10	13-Oct-93	17.2	579.5	
W-830-10	6-Jan-94	17.04	579.66	
W-830-10	8-Apr-94	17.14	579.56	
W-830-10	6-Jul-94	17.82	578.88	
W-830-10	12-Oct-94	18.11	578.59	
W-830-10	9-Jan-95	17.4	579.3	
W-830-10	6-Apr-95	16.37	580.33	
W-830-10	12-May-95	16.32	580.38	PS
W-830-10	6-Jul-95	16.59	580.11	
W-830-10	6-Oct-95	16.5	580.2	
W-830-10	10-Jan-96	16.45	580.25	
W-830-10	2-Feb-96	16.3	580.4	
W-830-10	4-Mar-96	16.11	580.59	
W-830-10	2-Apr-96	16.23	580.47	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-10	1-May-96	16.13	580.57	
W-830-10	3-Jun-96	16.25	580.45	
W-830-10	9-Jul-96	16.42	580.28	
W-830-10	6-Aug-96	16.68	580.02	
W-830-10	9-Sep-96	16.69	580.01	
W-830-10	10-Oct-96	16.74	579.96	
W-830-10	5-Nov-96	16.62	580.08	
W-830-10	4-Dec-96	16.41	580.29	
W-830-10	3-Jan-97	16.25	580.45	
W-830-10	3-Feb-97	16.07	580.63	
W-830-10	3-Mar-97	16.15	580.55	
W-830-10	3-Apr-97	15.96	580.74	
W-830-10	1-May-97	16.19	580.51	
W-830-10	2-Jun-97	16.26	580.44	
W-830-10	1-Jul-97	16.4	580.3	
W-830-10	1-Aug-97	16.63	580.07	
W-830-10	2-Sep-97	16.68	580.02	
W-830-10	10-Oct-97	16.51	580.19	
W-830-10	3-Nov-97	16.59	580.11	
W-830-10	1-Dec-97	16.33	580.37	
W-830-10	7-Jan-98	16.24	580.46	
W-830-10	4-Feb-98	15.72	580.98	
W-830-10	2-Mar-98	15.16	581.54	
W-830-10	2-Apr-98	14.96	581.74	
W-830-10	6-May-98	14.72	581.98	
W-830-10	4-Jun-98	14.62	582.08	
W-830-10	9-Jul-98	14.57	582.13	
W-830-10	5-Aug-98	14.72	581.98	
W-830-10	4-Sep-98	14.78	581.92	
W-830-10	22-Oct-98	14.99	581.71	
W-830-10	17-Nov-98	14.95	581.75	
W-830-10	2-Dec-98	15.1	581.6	
W-830-10	8-Jan-99	15.12	581.58	
W-830-10	5-Feb-99	15.11	581.59	
W-830-10	4-Mar-99	15.15	581.55	
W-830-10	19-Apr-99	15.39	581.31	
W-830-10	6-May-99	15.33	581.37	
W-830-10	8-Jun-99	15.52	581.18	
W-830-10	28-Jul-99	15.9	580.8	
W-830-10	11-Aug-99	15.85	580.85	
W-830-10	8-Sep-99	15.88	580.82	
W-830-10	11-Oct-99	15.87	580.83	
W-830-10	7-Dec-99	15.8	580.9	
W-830-10	11-Jan-00	15.52	581.18	
W-830-10	28-Feb-00	15.84	580.86	
W-830-10	18-Mar-00	15.94	580.76	
W-830-10	4-Apr-00	15.96	580.74	
W-830-10	3-May-00	15.89	580.81	
W-830-10	1-Jun-00	15.77	580.93	
W-830-10	23-Jun-00	15.95	580.75	PS
W-830-10	7-Jul-00	15.95	580.75	
W-830-10	28-Jul-00	16.36	580.34	PS
W-830-10	1-Aug-00	16.36	580.34	
W-830-10	6-Sep-00	16.02	580.68	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-10	6-Sep-00	16.02	580.68	
W-830-10	2-Oct-00	15.57	581.13	
W-830-10	3-Nov-00	15.67	581.03	
W-830-10	17-Nov-00	16.05	580.65	ps
W-830-10	4-Dec-00	16.05	580.65	
W-830-10	12-Jan-01	16.1	580.6	
W-830-10	30-Jan-01	15.78	580.92	PS
W-830-10	1-Feb-01	15.89	580.81	
W-830-10	8-Mar-01	15.69	581.01	
W-830-10	5-Apr-01	15.78	580.92	
W-830-10	2-May-01	15.69	581.01	
W-830-10	17-May-01	15.78	580.92	PS
W-830-10	5-Jun-01	15.88	580.82	
W-830-10	5-Jul-01	16.07	580.63	
W-830-10	3-Aug-01	16.48	580.22	
W-830-10	13-Sep-01	16.09	580.61	
W-830-10	19-Sep-01	16.09	580.61	PS
W-830-10	5-Oct-01	16.4	580.3	
W-830-10	13-Nov-01	15.88	580.82	
W-830-10	5-Dec-01	15.65	581.05	
W-830-10	26-Dec-01	15.71	580.99	PS
W-830-10	3-Jan-02	15.58	581.12	
W-830-10	31-Jan-02	16.04	580.66	PS
W-830-10	8-Feb-02	16.04	580.66	
W-830-10	7-Mar-02	15.74	580.96	
W-830-10	2-Apr-02	15.55	581.15	
W-830-10	1-May-02	15.66	581.04	
W-830-10	2-Jun-02	15.6	581.1	
W-830-10	15-Jul-02	16.3	580.4	
W-830-10	2-Aug-02	16.46	580.24	
W-830-10	3-Sep-02	16.72	579.98	
W-830-10	5-Oct-02	16.88	579.82	
W-830-10	23-Dec-02	16.56	580.14	ps
W-830-10	6-Jan-03	16.67	580.03	
W-830-10	3-Feb-03	16.82	579.88	
W-830-10	1-Mar-03	16.45	580.25	
W-830-10	15-Apr-03	16.4	580.3	
W-830-10	7-Jul-03	17.5	579.2	
W-830-10	2-Oct-03	17.37	579.33	
W-830-10	7-Jan-04	18.87	577.83	
W-830-10	13-Apr-04	17.27	579.43	
W-830-10	6-Jul-04	17.06	579.64	
W-830-10	6-Oct-04	18.59	578.11	
W-830-10	3-Jan-05	18.25	578.45	
W-830-11	2-Apr-92	31.95	564.24	
W-830-11	7-Jul-92	34.05	562.14	
W-830-11	8-Oct-92	34.72	561.47	
W-830-11	8-Jan-93	33.14	563.05	
W-830-11	9-Apr-93	32.97	563.22	
W-830-11	20-Jul-93	34.3	561.89	
W-830-11	13-Oct-93	33.56	562.63	
W-830-11	6-Jan-94	33.28	562.91	
W-830-11	8-Apr-94	33.68	562.51	
W-830-11	6-Jul-94	34.22	561.97	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-11	12-Oct-94	34.22	561.97	
W-830-11	9-Jan-95	33.21	562.98	
W-830-11	6-Apr-95	33.08	563.11	
W-830-11	12-May-95	33.47	562.72	PS
W-830-11	6-Jul-95	34.33	561.86	
W-830-11	6-Oct-95	33.73	562.46	
W-830-11	10-Jan-96	33.19	563.	
W-830-11	2-Apr-96	33.23	562.96	
W-830-11	9-Jul-96	33.05	563.14	
W-830-11	10-Oct-96	33.58	562.61	
W-830-11	3-Jan-97	32.85	563.34	
W-830-11	3-Apr-97	33.07	563.12	
W-830-11	1-Jul-97	33.92	562.27	
W-830-11	10-Oct-97	33.63	562.56	
W-830-11	7-Jan-98	32.97	563.22	
W-830-11	2-Apr-98	32.71	563.48	
W-830-11	4-Jun-98	33.33	562.86	
W-830-11	9-Jul-98	32.56	563.63	
W-830-11	5-Aug-98	32.56	563.63	
W-830-11	3-Sep-98	0.	0.	
W-830-11	22-Oct-98	32.57	563.62	
W-830-11	19-Nov-98	0.	0.	NM
W-830-11	4-Dec-98	0.	0.	NM
W-830-11	8-Jan-99	32.65	563.54	
W-830-11	5-Feb-99	32.55	563.64	
W-830-11	4-Mar-99	32.51	563.68	
W-830-11	19-Apr-99	33.39	562.8	
W-830-11	6-May-99	33.36	562.83	
W-830-11	8-Jun-99	33.67	562.52	
W-830-11	28-Jul-99	33.75	562.44	
W-830-11	11-Aug-99	33.69	562.5	
W-830-11	8-Sep-99	33.64	562.55	
W-830-11	11-Oct-99	33.31	562.88	
W-830-11	7-Dec-99	33.	563.19	
W-830-11	11-Jan-00	32.71	563.48	
W-830-11	28-Jan-00	32.53	563.66	PS
W-830-11	28-Feb-00	31.83	564.36	
W-830-11	18-Mar-00	32.99	563.2	
W-830-11	4-Apr-00	33.01	563.18	
W-830-11	3-May-00	33.29	562.9	
W-830-11	1-Jun-00	33.75	562.44	
W-830-11	21-Jun-00	33.92	562.27	PS
W-830-11	7-Jul-00	34.09	562.1	
W-830-11	28-Jul-00	34.27	561.92	PS
W-830-11	1-Aug-00	34.27	561.92	
W-830-11	6-Sep-00	33.54	562.65	
W-830-11	6-Sep-00	33.54	562.65	
W-830-11	2-Oct-00	33.39	562.8	
W-830-11	3-Nov-00	32.84	563.35	
W-830-11	17-Nov-00	32.77	563.42	ps
W-830-11	4-Dec-00	32.77	563.42	
W-830-11	12-Jan-01	33.24	562.95	
W-830-11	30-Jan-01	32.88	563.31	PS
W-830-11	1-Feb-01	34.24	561.95	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-11	8-Mar-01	32.76	563.43	
W-830-11	5-Apr-01	32.84	563.35	
W-830-11	2-May-01	33.06	563.13	
W-830-11	17-May-01	33.33	562.86	PS
W-830-11	5-Jun-01	34.02	562.17	
W-830-11	5-Jul-01	34.1	562.09	
W-830-11	3-Aug-01	34.23	561.96	
W-830-11	13-Sep-01	34.13	562.06	
W-830-11	19-Sep-01	33.96	562.23	PS
W-830-11	5-Oct-01	34.02	562.17	
W-830-11	13-Nov-01	33.35	562.84	
W-830-11	5-Dec-01	32.78	563.41	
W-830-11	18-Dec-01	32.86	563.33	PS
W-830-11	3-Jan-02	32.68	563.51	
W-830-11	31-Jan-02	32.92	563.27	PS
W-830-11	8-Feb-02	32.95	563.24	
W-830-11	7-Mar-02	33.09	563.1	
W-830-11	2-Apr-02	32.81	563.38	
W-830-11	1-May-02	33.06	563.13	
W-830-11	2-Jun-02	33.45	562.74	
W-830-11	15-Jul-02	34.4	561.79	
W-830-11	2-Aug-02	34.63	561.56	
W-830-11	3-Sep-02	34.92	561.27	
W-830-11	5-Oct-02	34.72	561.47	
W-830-11	23-Dec-02	33.05	563.14	ps
W-830-11	6-Jan-03	33.15	563.04	
W-830-11	3-Feb-03	33.7	562.49	
W-830-11	1-Mar-03	33.49	562.7	
W-830-11	15-Apr-03	33.75	562.44	
W-830-11	7-Jul-03	35.59	560.6	
W-830-11	2-Oct-03	34.62	561.57	
W-830-11	6-Jan-04	34.3	561.89	
W-830-11	13-Apr-04	34.7	561.49	
W-830-11	6-Jul-04	34.93	561.26	
W-830-11	6-Oct-04	35.2	560.99	
W-830-11	3-Jan-05	33.8	562.39	
W-830-12	8-Mar-95	111.6	581.02	
W-830-12	31-Mar-95	111.08	581.54	
W-830-12	7-Apr-95	111.05	581.57	
W-830-12	19-Apr-95	111.	581.62	
W-830-12	28-Apr-95	111.16	581.46	
W-830-12	8-May-95	111.17	581.45	
W-830-12	16-May-95	110.79	581.83	PS
W-830-12	2-Jun-95	111.63	580.99	
W-830-12	7-Jul-95	0.	0.	TR
W-830-12	2-Aug-95	0.	0.	TR
W-830-12	6-Sep-95	0.	0.	NM
W-830-12	5-Oct-95	114.95	577.67	
W-830-12	2-Nov-95	114.55	578.07	
W-830-12	5-Dec-95	113.52	579.1	
W-830-12	11-Jan-96	112.71	579.91	
W-830-12	2-Feb-96	112.06	580.56	
W-830-12	5-Mar-96	111.69	580.93	
W-830-12	4-Apr-96	111.51	581.11	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-12	2-May-96	111.32	581.3	
W-830-12	5-Jun-96	111.22	581.4	
W-830-12	11-Jul-96	112.79	579.83	
W-830-12	7-Aug-96	113.76	578.86	
W-830-12	6-Sep-96	114.31	578.31	
W-830-12	11-Oct-96	114.49	578.13	
W-830-12	22-Nov-96	113.6	579.02	
W-830-12	4-Dec-96	113.3	579.32	
W-830-12	7-Jan-97	112.57	580.05	
W-830-12	4-Feb-97	111.72	580.9	
W-830-12	5-Mar-97	111.33	581.29	
W-830-12	9-Apr-97	111.72	580.9	
W-830-12	5-May-97	112.29	580.33	
W-830-12	2-Jun-97	113.21	579.41	
W-830-12	11-Jul-97	115.21	577.41	
W-830-12	5-Aug-97	116.62	576.	
W-830-12	5-Sep-97	116.15	576.47	
W-830-12	8-Oct-97	116.76	575.86	
W-830-12	6-Nov-97	116.21	576.41	
W-830-12	5-Dec-97	115.31	577.31	
W-830-12	9-Jan-98	114.7	577.92	
W-830-12	5-Feb-98	114.6	578.02	
W-830-12	4-Mar-98	114.01	578.61	
W-830-12	2-Apr-98	113.51	579.11	
W-830-12	4-May-98	112.91	579.71	
W-830-12	4-Jun-98	112.36	580.26	
W-830-12	16-Jul-98	113.54	579.08	
W-830-12	6-Aug-98	113.84	578.78	
W-830-12	4-Sep-98	114.04	578.58	
W-830-12	8-Oct-98	114.26	578.36	
W-830-12	17-Nov-98	113.49	579.13	
W-830-12	4-Dec-98	112.91	579.71	
W-830-12	7-Jan-99	111.74	580.88	
W-830-12	3-Feb-99	111.4	581.22	
W-830-12	8-Mar-99	110.26	582.36	
W-830-12	12-Apr-99	109.87	582.75	
W-830-12	5-May-99	110.14	582.48	
W-830-12	8-Jun-99	110.52	582.1	
W-830-12	7-Jul-99	110.83	581.79	
W-830-12	10-Aug-99	111.15	581.47	
W-830-12	10-Sep-99	0.	0.	NM
W-830-12	11-Oct-99	111.35	581.27	
W-830-12	10-Dec-99	110.6	582.02	
W-830-12	11-Jan-00	109.22	583.4	
W-830-12	29-Feb-00	108.7	583.92	
W-830-12	18-Mar-00	108.85	583.77	
W-830-12	4-Apr-00	108.63	583.99	
W-830-12	3-May-00	108.25	584.37	
W-830-12	9-Jun-00	108.4	584.22	
W-830-12	22-Jun-00	108.52	584.1	PS
W-830-12	5-Jul-00	108.75	583.87	
W-830-12	1-Aug-00	108.96	583.66	
W-830-12	5-Sep-00	109.92	582.7	
W-830-12	2-Oct-00	109.86	582.76	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-12	1-Nov-00	109.74	582.88	
W-830-12	4-Dec-00	108.72	583.9	
W-830-12	9-Jan-01	107.29	585.33	MEASURED TWI
W-830-12	1-Feb-01	107.18	585.44	
W-830-12	2-Mar-01	106.18	586.44	
W-830-12	5-Apr-01	105.55	587.07	
W-830-12	2-May-01	105.17	587.45	
W-830-12	15-May-01	105.73	586.89	PS
W-830-12	6-Jun-01	105.59	587.03	
W-830-12	6-Jul-01	106.05	586.57	
W-830-12	6-Aug-01	106.82	585.8	
W-830-12	10-Sep-01	107.05	585.57	
W-830-12	8-Oct-01	107.09	585.53	
W-830-12	14-Nov-01	106.79	585.83	
W-830-12	6-Dec-01	105.93	586.69	
W-830-12	7-Jan-02	105.12	587.5	
W-830-12	8-Feb-02	104.81	587.81	
W-830-12	8-Mar-02	0.	0.	NM
W-830-12	2-Apr-02	103.58	589.04	
W-830-12	1-May-02	103.74	588.88	
W-830-12	3-Jun-02	104.1	588.52	
W-830-12	18-Jul-02	104.04	588.58	
W-830-12	1-Aug-02	104.24	588.38	
W-830-12	3-Sep-02	104.68	587.94	
W-830-12	1-Oct-02	105.09	587.53	
W-830-12	6-Jan-03	103.4	589.22	
W-830-12	5-Feb-03	102.83	589.79	
W-830-12	6-Mar-03	102.53	590.09	
W-830-12	5-Apr-03	102.08	590.54	
W-830-12	9-Jul-03	102.95	589.67	
W-830-12	1-Oct-03	102.89	589.73	
W-830-12	6-Jan-04	101.41	591.21	
W-830-12	1-Apr-04	100.11	592.51	
W-830-12	6-Jul-04	101.37	591.25	
W-830-12	4-Oct-04	102.2	590.42	
W-830-12	6-Jan-05	100.62	592.	
W-830-13	8-Mar-95	0.	0.	NM
W-830-13	31-Mar-95	25.05	539.46	
W-830-13	7-Apr-95	25.15	539.36	
W-830-13	19-Apr-95	25.5	539.01	
W-830-13	28-Apr-95	25.74	538.77	
W-830-13	8-May-95	25.88	538.63	
W-830-13	12-May-95	25.93	538.58	PS
W-830-13	2-Jun-95	26.6	537.91	
W-830-13	6-Jul-95	27.32	537.19	
W-830-13	1-Aug-95	27.72	536.79	
W-830-13	5-Sep-95	28.	536.51	
W-830-13	6-Oct-95	27.58	536.93	
W-830-13	2-Nov-95	27.15	537.36	
W-830-13	4-Dec-95	26.66	537.85	
W-830-13	10-Jan-96	25.58	538.93	
W-830-13	2-Feb-96	24.78	539.73	
W-830-13	4-Mar-96	24.69	539.82	
W-830-13	2-Apr-96	25.21	539.3	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-13	1-May-96	25.59	538.92	
W-830-13	3-Jun-96	26.16	538.35	
W-830-13	9-Jul-96	26.71	537.8	
W-830-13	6-Aug-96	27.21	537.3	
W-830-13	9-Sep-96	27.45	537.06	
W-830-13	16-Oct-96	27.39	537.12	
W-830-13	5-Nov-96	26.86	537.65	
W-830-13	4-Dec-96	25.95	538.56	
W-830-13	3-Jan-97	24.96	539.55	
W-830-13	3-Feb-97	24.81	539.7	
W-830-13	3-Mar-97	25.28	539.23	
W-830-13	3-Apr-97	25.48	539.03	
W-830-13	1-May-97	26.17	538.34	
W-830-13	2-Jun-97	26.85	537.66	
W-830-13	1-Jul-97	27.15	537.36	
W-830-13	1-Aug-97	27.2	537.31	
W-830-13	2-Sep-97	27.05	537.46	
W-830-13	10-Oct-97	26.79	537.72	
W-830-13	3-Nov-97	26.55	537.96	
W-830-13	1-Dec-97	25.91	538.6	
W-830-13	7-Jan-98	25.11	539.4	
W-830-13	4-Feb-98	23.98	540.53	
W-830-13	2-Mar-98	23.52	540.99	
W-830-13	2-Apr-98	24.16	540.35	
W-830-13	6-May-98	23.91	540.6	
W-830-13	4-Jun-98	24.03	540.48	
W-830-13	9-Jul-98	24.17	540.34	
W-830-13	5-Aug-98	24.3	540.21	
W-830-13	4-Sep-98	24.23	540.28	
W-830-13	21-Oct-98	23.81	540.7	
W-830-13	17-Nov-98	23.48	541.03	
W-830-13	2-Dec-98	23.26	541.25	
W-830-13	8-Jan-99	23.18	541.33	
W-830-13	5-Feb-99	23.07	541.44	
W-830-13	4-Mar-99	23.4	541.11	
W-830-13	19-Apr-99	23.36	541.15	
W-830-13	6-May-99	23.46	541.05	
W-830-13	8-Jun-99	23.62	540.89	
W-830-13	28-Jul-99	24.57	539.94	
W-830-13	20-Aug-99	24.68	539.83	
W-830-13	8-Sep-99	24.88	539.63	
W-830-13	14-Oct-99	24.85	539.66	
W-830-13	7-Dec-99	24.	540.51	
W-830-13	11-Jan-00	22.92	541.59	
W-830-13	28-Jan-00	22.48	542.03	PS
W-830-13	28-Feb-00	23.	541.51	
W-830-13	18-Mar-00	23.31	541.2	
W-830-13	4-Apr-00	23.58	540.93	
W-830-13	3-May-00	24.18	540.33	
W-830-13	1-Jun-00	24.95	539.56	
W-830-13	23-Jun-00	25.32	539.19	PS
W-830-13	7-Jul-00	25.72	538.79	
W-830-13	2-Aug-00	26.03	538.48	
W-830-13	15-Aug-00	26.12	538.39	PS

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-13	6-Sep-00	25.98	538.53	
W-830-13	6-Sep-00	25.98	538.53	
W-830-13	3-Oct-00	25.77	538.74	
W-830-13	3-Nov-00	24.81	539.7	
W-830-13	17-Nov-00	24.45	540.06	ps
W-830-13	4-Dec-00	24.45	540.06	
W-830-13	12-Jan-01	23.88	540.63	
W-830-13	31-Jan-01	23.84	540.67	PS
W-830-13	1-Feb-01	23.84	540.67	
W-830-13	8-Mar-01	23.04	541.47	
W-830-13	5-Apr-01	23.65	540.86	
W-830-13	2-May-01	24.03	540.48	
W-830-13	17-May-01	24.63	539.88	PS
W-830-13	5-Jun-01	25.37	539.14	
W-830-13	5-Jul-01	26.04	538.47	
W-830-13	3-Aug-01	26.35	538.16	
W-830-13	13-Sep-01	26.59	537.92	
W-830-13	25-Sep-01	26.53	537.98	PS
W-830-13	5-Oct-01	26.48	538.03	
W-830-13	13-Nov-01	26.17	538.34	
W-830-13	5-Dec-01	25.16	539.35	
W-830-13	18-Dec-01	24.86	539.65	PS
W-830-13	3-Jan-02	23.52	540.99	
W-830-13	8-Feb-02	24.37	540.14	
W-830-13	7-Mar-02	24.47	540.04	
W-830-13	12-Mar-02	24.63	539.88	PS
W-830-13	2-Apr-02	24.37	540.14	
W-830-13	1-May-02	25.16	539.35	
W-830-13	2-Jun-02	25.9	538.61	
W-830-13	15-Jul-02	26.87	537.64	
W-830-13	2-Aug-02	27.11	537.4	
W-830-13	3-Sep-02	27.39	537.12	
W-830-13	5-Oct-02	27.66	536.85	
W-830-13	23-Dec-02	24.79	539.72	ps
W-830-13	6-Jan-03	24.73	539.78	
W-830-13	3-Feb-03	25.36	539.15	
W-830-13	5-Mar-03	25.22	539.29	
W-830-13	15-Apr-03	25.9	538.61	
W-830-13	7-Jul-03	27.88	536.63	
W-830-13	2-Oct-03	28.11	536.4	
W-830-13	6-Jan-04	26.65	537.86	
W-830-13	13-Apr-04	27.03	537.48	
W-830-13	7-Jul-04	28.36	536.15	
W-830-13	6-Oct-04	28.68	535.83	
W-830-13	4-Jan-05	26.75	537.76	
W-830-14	8-Mar-95	21.48	544.02	
W-830-14	31-Mar-95	20.82	544.68	
W-830-14	7-Apr-95	20.96	544.54	
W-830-14	19-Apr-95	21.24	544.26	
W-830-14	28-Apr-95	21.33	544.17	
W-830-14	8-May-95	21.35	544.15	
W-830-14	18-May-95	21.41	544.09	PS
W-830-14	2-Jun-95	21.45	544.05	
W-830-14	6-Jul-95	21.39	544.11	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-14	1-Aug-95	21.42	544.08	
W-830-14	5-Sep-95	21.49	544.01	
W-830-14	6-Oct-95	21.4	544.1	
W-830-14	2-Nov-95	21.5	544.	
W-830-14	4-Dec-95	21.61	543.89	
W-830-14	10-Jan-96	21.61	543.89	
W-830-14	2-Feb-96	21.6	543.9	
W-830-14	4-Mar-96	20.83	544.67	
W-830-14	2-Apr-96	21.14	544.36	
W-830-14	1-May-96	21.26	544.24	
W-830-14	3-Jun-96	21.38	544.12	
W-830-14	9-Jul-96	21.47	544.03	
W-830-14	6-Aug-96	21.55	543.95	
W-830-14	9-Sep-96	21.61	543.89	
W-830-14	10-Oct-96	21.67	543.83	
W-830-14	5-Nov-96	21.73	543.77	
W-830-14	4-Dec-96	21.67	543.83	
W-830-14	3-Jan-97	21.61	543.89	
W-830-14	3-Feb-97	21.24	544.26	
W-830-14	3-Mar-97	21.36	544.14	
W-830-14	3-Apr-97	21.21	544.29	
W-830-14	1-May-97	21.23	544.27	
W-830-14	2-Jun-97	21.25	544.25	
W-830-14	1-Jul-97	21.34	544.16	
W-830-14	1-Aug-97	21.5	544.	
W-830-14	2-Sep-97	21.63	543.87	
W-830-14	10-Oct-97	21.6	543.9	
W-830-14	3-Nov-97	21.66	543.84	
W-830-14	1-Dec-97	21.61	543.89	
W-830-14	7-Jan-98	21.66	543.84	
W-830-14	4-Feb-98	21.4	544.1	
W-830-14	2-Mar-98	18.11	547.39	
W-830-14	2-Apr-98	17.11	548.39	
W-830-14	6-May-98	18.84	546.66	
W-830-14	4-Jun-98	18.89	546.61	
W-830-14	9-Jul-98	19.2	546.3	
W-830-14	5-Aug-98	19.7	545.8	
W-830-14	8-Sep-98	20.2	545.3	
W-830-14	21-Oct-98	20.48	545.02	
W-830-14	17-Nov-98	20.95	544.55	
W-830-14	2-Dec-98	20.76	544.74	
W-830-14	8-Jan-99	20.92	544.58	
W-830-14	5-Feb-99	20.81	544.69	
W-830-14	4-Mar-99	20.69	544.81	
W-830-14	19-Apr-99	20.8	544.7	
W-830-14	6-May-99	20.86	544.64	
W-830-14	8-Jun-99	20.82	544.68	
W-830-14	28-Jul-99	18.98	546.52	
W-830-14	20-Aug-99	18.97	546.53	
W-830-14	8-Sep-99	18.99	546.51	
W-830-14	14-Oct-99	19.01	546.49	
W-830-14	7-Dec-99	19.25	546.25	
W-830-14	11-Jan-00	19.02	546.48	
W-830-14	28-Feb-00	19.13	546.37	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-14	18-Mar-00	19.21	546.29	
W-830-14	4-Apr-00	19.4	546.1	
W-830-14	3-May-00	19.25	546.25	
W-830-14	1-Jun-00	19.29	546.21	
W-830-14	21-Jun-00	19.21	546.29	PS
W-830-14	7-Jul-00	19.27	546.23	
W-830-14	28-Jul-00	19.3	546.2	PS
W-830-14	1-Aug-00	19.3	546.2	
W-830-14	6-Sep-00	19.34	546.16	
W-830-14	6-Sep-00	19.34	546.16	
W-830-14	3-Oct-00	19.44	546.06	
W-830-14	3-Nov-00	19.54	545.96	
W-830-14	17-Nov-00	19.62	545.88	ps
W-830-14	4-Dec-00	19.62	545.88	
W-830-14	12-Jan-01	19.69	545.81	
W-830-14	30-Jan-01	19.64	545.86	PS
W-830-14	1-Feb-01	19.65	545.85	
W-830-14	8-Mar-01	19.65	545.85	
W-830-14	5-Apr-01	19.64	545.86	
W-830-14	2-May-01	19.62	545.88	
W-830-14	17-May-01	19.64	545.86	PS
W-830-14	5-Jun-01	19.73	545.77	
W-830-14	5-Jul-01	19.64	545.86	
W-830-14	3-Aug-01	19.86	545.64	
W-830-14	13-Sep-01	19.91	545.59	
W-830-14	19-Sep-01	19.91	545.59	PS
W-830-14	5-Oct-01	20.19	545.31	
W-830-14	13-Nov-01	20.22	545.28	
W-830-14	5-Dec-01	20.32	545.18	
W-830-14	26-Dec-01	20.3	545.2	PS
W-830-14	3-Jan-02	20.22	545.28	
W-830-14	31-Jan-02	20.01	545.49	PS
W-830-14	8-Feb-02	20.13	545.37	
W-830-14	7-Mar-02	19.96	545.54	
W-830-14	2-Apr-02	19.89	545.61	
W-830-14	1-May-02	20.04	545.46	
W-830-14	2-Jun-02	20.1	545.4	
W-830-14	15-Jul-02	20.15	545.35	
W-830-14	2-Aug-02	20.13	545.37	
W-830-14	3-Sep-02	20.18	545.32	
W-830-14	5-Oct-02	20.27	545.23	
W-830-14	23-Dec-02	20.28	545.22	ps
W-830-14	6-Jan-03	20.18	545.32	
W-830-14	3-Feb-03	20.17	545.33	
W-830-14	5-Mar-03	20.21	545.29	
W-830-14	15-Apr-03	20.2	545.3	
W-830-14	7-Jul-03	20.22	545.28	
W-830-14	2-Oct-03	20.22	545.28	
W-830-14	6-Jan-04	20.38	545.12	
W-830-14	13-Apr-04	20.21	545.29	
W-830-14	7-Jul-04	20.15	545.35	
W-830-14	6-Oct-04	20.35	545.15	
W-830-14	4-Jan-05	20.26	545.24	
W-830-15	8-Mar-95	3.83	561.27	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-15	31-Mar-95	3.44	561.66	
W-830-15	7-Apr-95	3.49	561.61	
W-830-15	19-Apr-95	4.17	560.93	
W-830-15	28-Apr-95	4.55	560.55	
W-830-15	8-May-95	4.27	560.83	
W-830-15	16-May-95	4.22	560.88	PS
W-830-15	2-Jun-95	5.56	559.54	
W-830-15	6-Jul-95	7.39	557.71	
W-830-15	1-Aug-95	9.04	556.06	
W-830-15	5-Sep-95	10.7	554.4	
W-830-15	6-Oct-95	9.65	555.45	
W-830-15	2-Nov-95	8.71	556.39	
W-830-15	4-Dec-95	7.37	557.73	
W-830-15	10-Jan-96	5.67	559.43	
W-830-15	2-Feb-96	5.08	560.02	
W-830-15	4-Mar-96	4.67	560.43	
W-830-15	2-Apr-96	5.35	559.75	
W-830-15	1-May-96	5.16	559.94	
W-830-15	3-Jun-96	5.77	559.33	
W-830-15	9-Jul-96	7.5	557.6	
W-830-15	6-Aug-96	10.22	554.88	
W-830-15	9-Sep-96	10.36	554.73	
W-830-15	10-Oct-96	9.66	555.43	
W-830-15	5-Nov-96	8.78	556.31	
W-830-15	4-Dec-96	6.28	558.81	
W-830-15	3-Jan-97	4.2	560.89	
W-830-15	3-Feb-97	3.22	561.87	
W-830-15	3-Mar-97	2.87	562.22	
W-830-15	3-Apr-97	4.29	560.8	
W-830-15	1-May-97	5.79	559.3	
W-830-15	2-Jun-97	7.44	557.65	
W-830-15	1-Jul-97	10.1	554.99	
W-830-15	1-Aug-97	14.1	550.99	
W-830-15	2-Sep-97	12.14	552.95	
W-830-15	10-Oct-97	11.18	553.91	
W-830-15	3-Nov-97	9.38	555.71	
W-830-15	1-Dec-97	7.2	557.89	
W-830-15	7-Jan-98	6.05	559.04	
W-830-15	4-Feb-98	5.3	559.79	
W-830-15	2-Mar-98	4.42	560.67	
W-830-15	2-Apr-98	2.74	562.35	
W-830-15	6-May-98	2.01	563.08	
W-830-15	5-Jun-98	1.69	563.4	
W-830-15	9-Jul-98	4.04	561.05	
W-830-15	5-Aug-98	5.19	559.9	
W-830-15	8-Sep-98	4.6	560.49	
W-830-15	21-Oct-98	4.59	560.5	
W-830-15	17-Nov-98	3.45	561.64	
W-830-15	2-Dec-98	2.73	562.36	
W-830-15	8-Jan-99	1.17	563.92	
W-830-15	5-Feb-99	0.73	564.36	
W-830-15	4-Mar-99	0.46	564.63	
W-830-15	19-Apr-99	0.52	564.57	
W-830-15	6-May-99	1.1	563.99	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-15	8-Jun-99	2.34	562.75	
W-830-15	28-Jul-99	4.86	560.23	
W-830-15	20-Aug-99	4.57	560.52	
W-830-15	20-Sep-99	0.	0.	NM
W-830-15	14-Oct-99	4.36	560.73	
W-830-15	7-Dec-99	2.31	562.78	
W-830-15	11-Jan-00	1.97	563.12	
W-830-15	29-Feb-00	0.92	564.17	
W-830-15	18-Mar-00	0.75	564.34	
W-830-15	4-Apr-00	0.78	564.31	
W-830-15	3-May-00	1.82	563.27	
W-830-15	1-Jun-00	2.01	563.08	
W-830-15	7-Jul-00	3.64	561.45	
W-830-15	2-Aug-00	3.97	561.12	
W-830-15	6-Sep-00	5.12	559.97	
W-830-15	6-Sep-00	5.12	559.97	
W-830-15	3-Oct-00	5.13	559.96	
W-830-15	3-Nov-00	3.9	561.19	
W-830-15	4-Dec-00	2.85	562.24	
W-830-15	12-Jan-01	0.79	564.3	
W-830-15	1-Feb-01	0.74	564.35	
W-830-15	8-Mar-01	0.	0.	NM/CB
W-830-15	5-Apr-01	0.	0.	CB/NM
W-830-15	2-May-01	0.61	564.48	CB
W-830-15	5-Jun-01	3.01	562.08	CB/MT
W-830-15	5-Jul-01	4.17	560.92	CB
W-830-15	3-Aug-01	4.87	560.22	CB
W-830-15	13-Sep-01	5.37	559.72	CB
W-830-15	5-Oct-01	5.3	559.79	CB
W-830-15	13-Nov-01	3.78	561.31	CB
W-830-15	5-Dec-01	2.54	562.55	CB
W-830-15	3-Jan-02	1.47	563.62	CB
W-830-15	8-Feb-02	1.67	563.42	CB
W-830-15	7-Mar-02	1.18	563.91	CB
W-830-15	2-Apr-02	0.99	564.1	CB
W-830-15	1-May-02	1.57	563.52	CB
W-830-15	2-Jun-02	1.68	563.41	CB
W-830-15	23-Jul-02	4.69	560.4	CB
W-830-15	2-Aug-02	4.68	560.41	CB
W-830-15	3-Sep-02	5.86	559.23	CB
W-830-15	9-Oct-02	5.46	559.63	CB
W-830-15	6-Jan-03	2.14	562.95	CB
W-830-15	3-Feb-03	1.5	563.59	CB
W-830-15	5-Mar-03	0.76	564.33	CB
W-830-15	15-Apr-03	1.	564.09	CB
W-830-15	7-Jul-03	3.58	561.51	CB
W-830-15	10-Oct-03	6.02	559.07	CB
W-830-15	13-Jan-04	1.52	563.57	CB
W-830-15	19-Apr-04	1.9	563.19	CB
W-830-15	7-Jul-04	5.18	559.91	CB
W-830-15	6-Oct-04	3.82	561.27	CB
W-830-15	4-Jan-05	0.07	565.02	CB
W-830-16	3-Oct-95	84.	586.88	
W-830-16	10-Jan-96	94.42	576.46	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-16	1-Feb-96	94.06	576.82	
W-830-16	1-Mar-96	94.17	576.71	
W-830-16	3-Apr-96	94.17	576.71	
W-830-16	1-May-96	94.18	576.7	
W-830-16	3-Jun-96	94.3	576.58	
W-830-16	10-Jul-96	94.26	576.62	
W-830-16	6-Aug-96	94.93	575.95	
W-830-16	9-Sep-96	95.06	575.82	
W-830-16	4-Oct-96	94.95	575.93	
W-830-16	5-Nov-96	94.73	576.15	
W-830-16	5-Dec-96	94.21	576.67	
W-830-16	6-Jan-97	94.15	576.73	
W-830-16	3-Feb-97	93.4	577.48	
W-830-16	3-Mar-97	93.83	577.05	
W-830-16	3-Apr-97	93.7	577.18	
W-830-16	5-May-97	94.28	576.6	
W-830-16	4-Jun-97	94.34	576.54	
W-830-16	2-Jul-97	94.84	576.04	
W-830-16	4-Aug-97	93.47	577.41	
W-830-16	2-Sep-97	95.61	575.27	
W-830-16	3-Oct-97	95.45	575.43	
W-830-16	3-Nov-97	95.04	575.84	
W-830-16	1-Dec-97	94.5	576.38	
W-830-16	8-Jan-98	94.23	576.65	
W-830-16	9-Feb-98	93.8	577.08	
W-830-16	3-Mar-98	92.97	577.91	
W-830-16	2-Apr-98	92.52	578.36	
W-830-16	6-May-98	92.3	578.58	
W-830-16	5-Jun-98	92.22	578.66	
W-830-16	9-Jul-98	92.61	578.27	
W-830-16	5-Aug-98	92.65	578.23	
W-830-16	8-Sep-98	93.01	577.87	
W-830-16	13-Oct-98	93.03	577.85	
W-830-16	17-Nov-98	92.75	578.13	
W-830-16	2-Dec-98	92.67	578.21	
W-830-16	8-Jan-99	92.72	578.16	
W-830-16	5-Feb-99	92.6	578.28	
W-830-16	4-Mar-99	92.5	578.38	
W-830-16	19-Apr-99	92.69	578.19	
W-830-16	6-May-99	92.99	577.89	
W-830-16	1-Jun-99	96.73	574.15	
W-830-16	23-Jul-99	94.45	576.43	
W-830-16	20-Aug-99	94.44	576.44	
W-830-16	20-Sep-99	0.	0.	NM
W-830-16	14-Oct-99	94.69	576.19	
W-830-16	7-Dec-99	94.57	576.31	
W-830-16	10-Jan-00	94.22	576.66	
W-830-16	28-Feb-00	94.3	576.58	
W-830-16	16-Mar-00	94.23	576.65	
W-830-16	5-Apr-00	34.57	636.31	ME
W-830-16	4-May-00	94.63	576.25	
W-830-16	9-Jun-00	94.46	576.42	
W-830-16	22-Jun-00	94.46	576.42	PS
W-830-16	12-Jul-00	94.62	576.26	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-16	3-Aug-00	94.55	576.33	
W-830-16	8-Sep-00	94.77	576.11	
W-830-16	8-Sep-00	94.77	576.11	
W-830-16	13-Oct-00	94.67	576.21	
W-830-16	3-Nov-00	94.3	576.58	
W-830-16	5-Dec-00	94.8	576.08	
W-830-16	12-Jan-01	94.65	576.23	
W-830-16	8-Feb-01	93.94	576.94	
W-830-16	8-Mar-01	93.91	576.97	
W-830-16	11-Apr-01	93.94	576.94	
W-830-16	7-May-01	94.04	576.84	
W-830-16	15-May-01	94.04	576.84	PS
W-830-16	5-Jun-01	94.59	576.29	
W-830-16	13-Jul-01	94.77	576.11	
W-830-16	10-Aug-01	95.03	575.85	
W-830-16	13-Sep-01	94.71	576.17	
W-830-16	27-Sep-01	94.85	576.03	PS
W-830-16	8-Oct-01	94.78	576.1	
W-830-16	13-Nov-01	94.38	576.5	
W-830-16	10-Dec-01	93.93	576.95	
W-830-16	14-Jan-02	94.02	576.86	
W-830-16	8-Feb-02	94.52	576.36	
W-830-16	7-Mar-02	94.05	576.83	
W-830-16	12-Apr-02	94.	576.88	
W-830-16	2-May-02	93.94	576.94	
W-830-16	2-Jun-02	93.95	576.93	
W-830-16	23-Jul-02	94.81	576.07	
W-830-16	2-Aug-02	94.93	575.95	
W-830-16	3-Sep-02	95.22	575.66	
W-830-16	5-Oct-02	95.49	575.39	
W-830-16	11-Jan-03	94.86	576.02	
W-830-16	5-Feb-03	94.81	576.07	
W-830-16	5-Mar-03	94.58	576.3	
W-830-16	15-Apr-03	94.59	576.29	
W-830-16	28-Jul-03	95.94	574.94	
W-830-16	2-Oct-03	95.87	575.01	
W-830-16	12-Jan-04	97.11	573.77	
W-830-16	13-Apr-04	95.25	575.63	
W-830-16	8-Jul-04	95.55	575.33	
W-830-16	6-Oct-04	96.9	573.98	
W-830-16	15-Jan-05	95.98	574.9	
W-830-17	4-Oct-95	104.	569.22	
W-830-17	10-Jan-96	108.73	564.49	
W-830-17	1-Feb-96	108.55	564.67	
W-830-17	1-Mar-96	108.67	564.55	
W-830-17	3-Apr-96	108.58	564.64	
W-830-17	1-May-96	108.47	564.75	
W-830-17	3-Jun-96	108.31	564.91	
W-830-17	10-Jul-96	108.43	564.79	
W-830-17	6-Aug-96	108.44	564.78	
W-830-17	9-Sep-96	108.35	564.87	
W-830-17	4-Oct-96	108.4	564.82	
W-830-17	5-Nov-96	108.42	564.8	
W-830-17	5-Dec-96	108.23	564.99	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-17	6-Jan-97	108.62	564.6	
W-830-17	3-Feb-97	108.41	564.81	
W-830-17	3-Mar-97	108.4	564.82	
W-830-17	3-Apr-97	108.13	565.09	
W-830-17	5-May-97	108.35	564.87	
W-830-17	4-Jun-97	108.3	564.92	
W-830-17	2-Jul-97	108.27	564.95	
W-830-17	4-Aug-97	108.34	564.88	
W-830-17	2-Sep-97	108.39	564.83	
W-830-17	3-Oct-97	108.34	564.88	
W-830-17	3-Nov-97	108.27	564.95	
W-830-17	1-Dec-97	108.26	564.96	
W-830-17	8-Jan-98	108.3	564.92	
W-830-17	9-Feb-98	108.5	564.72	
W-830-17	3-Mar-98	108.23	564.99	
W-830-17	2-Apr-98	108.22	565.	
W-830-17	6-May-98	108.19	565.03	
W-830-17	4-Jun-98	108.08	565.14	
W-830-17	9-Jul-98	108.11	565.11	
W-830-17	5-Aug-98	108.12	565.1	
W-830-17	4-Sep-98	107.98	565.24	
W-830-17	13-Oct-98	108.03	565.19	
W-830-17	17-Nov-98	108.03	565.19	
W-830-17	2-Dec-98	108.	565.22	
W-830-17	8-Jan-99	108.12	565.1	
W-830-17	5-Feb-99	107.94	565.28	
W-830-17	4-Mar-99	107.78	565.44	
W-830-17	19-Apr-99	107.83	565.39	
W-830-17	6-May-99	107.77	565.45	
W-830-17	1-Jun-99	107.65	565.57	
W-830-17	23-Jul-99	107.78	565.44	
W-830-17	20-Aug-99	107.73	565.49	
W-830-17	20-Sep-99	0.	0.	NM
W-830-17	14-Oct-99	107.63	565.59	
W-830-17	7-Dec-99	107.79	565.43	
W-830-17	10-Jan-00	107.48	565.74	
W-830-17	28-Jan-00	107.64	565.58	PS
W-830-17	28-Feb-00	107.95	565.27	
W-830-17	16-Mar-00	107.95	565.27	
W-830-17	5-Apr-00	107.78	565.44	
W-830-17	4-May-00	107.93	565.29	
W-830-17	9-Jun-00	107.39	565.83	
W-830-17	22-Jun-00	107.56	565.66	PS
W-830-17	12-Jul-00	107.66	565.56	
W-830-17	3-Aug-00	107.75	565.47	
W-830-17	8-Sep-00	107.62	565.6	
W-830-17	8-Sep-00	107.62	565.6	
W-830-17	13-Oct-00	108.01	565.21	
W-830-17	3-Nov-00	107.89	565.33	
W-830-17	5-Dec-00	108.09	565.13	
W-830-17	12-Jan-01	108.14	565.08	
W-830-17	8-Feb-01	107.83	565.39	
W-830-17	8-Mar-01	107.99	565.23	
W-830-17	11-Apr-01	107.99	565.23	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-17	7-May-01	108.02	565.2	
W-830-17	22-May-01	107.96	565.26	PS
W-830-17	5-Jun-01	107.99	565.23	
W-830-17	13-Jul-01	108.09	565.13	
W-830-17	10-Aug-01	108.28	564.94	
W-830-17	13-Sep-01	108.15	565.07	
W-830-17	8-Oct-01	108.4	564.82	
W-830-17	13-Nov-01	108.52	564.7	
W-830-17	10-Dec-01	108.15	565.07	
W-830-17	14-Jan-02	108.18	565.04	
W-830-17	8-Feb-02	108.37	564.85	
W-830-17	7-Mar-02	108.21	565.01	
W-830-17	12-Apr-02	108.4	564.82	
W-830-17	2-May-02	108.41	564.81	
W-830-17	2-Jun-02	108.4	564.82	
W-830-17	23-Jul-02	108.44	564.78	
W-830-17	2-Aug-02	108.39	564.83	
W-830-17	3-Sep-02	108.4	564.82	
W-830-17	5-Oct-02	108.49	564.73	
W-830-17	11-Jan-03	108.65	564.57	
W-830-17	5-Feb-03	108.59	564.63	
W-830-17	5-Mar-03	108.58	564.64	
W-830-17	15-Apr-03	108.72	564.5	
W-830-17	28-Jul-03	108.49	564.73	
W-830-17	2-Oct-03	108.55	564.67	
W-830-17	12-Jan-04	108.63	564.59	
W-830-17	13-Apr-04	108.56	564.66	
W-830-17	8-Jul-04	108.49	564.73	
W-830-17	6-Oct-04	108.55	564.67	
W-830-17	15-Jan-05	106.73	566.49	
W-830-18	1-Jun-96	0.	0.	
W-830-18	6-Aug-96	64.77	589.67	
W-830-18	9-Sep-96	64.76	589.68	
W-830-18	10-Oct-96	64.99	589.45	
W-830-18	5-Nov-96	64.87	589.57	
W-830-18	4-Dec-96	64.83	589.61	
W-830-18	3-Jan-97	64.19	590.3	
W-830-18	3-Feb-97	64.68	589.81	
W-830-18	3-Mar-97	64.64	589.85	
W-830-18	3-Apr-97	64.11	590.38	
W-830-18	1-May-97	64.4	590.09	
W-830-18	2-Jun-97	64.18	590.31	
W-830-18	1-Jul-97	64.52	589.97	
W-830-18	1-Aug-97	64.68	589.81	
W-830-18	2-Sep-97	64.82	589.67	
W-830-18	10-Oct-97	64.82	589.67	
W-830-18	3-Nov-97	64.79	589.7	
W-830-18	1-Dec-97	64.77	589.72	
W-830-18	7-Jan-98	64.78	589.71	
W-830-18	4-Feb-98	64.58	589.91	
W-830-18	2-Mar-98	64.34	590.15	
W-830-18	2-Apr-98	64.24	590.25	
W-830-18	6-May-98	63.71	590.78	
W-830-18	4-Jun-98	63.39	591.1	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-18	9-Jul-98	63.02	591.47	
W-830-18	5-Aug-98	63.04	591.45	
W-830-18	3-Sep-98	62.79	591.7	
W-830-18	22-Oct-98	62.67	591.82	
W-830-18	17-Nov-98	62.53	591.96	
W-830-18	2-Dec-98	62.44	592.05	
W-830-18	8-Jan-99	62.17	592.32	
W-830-18	3-Feb-99	61.79	592.7	
W-830-18	4-Mar-99	61.69	592.8	
W-830-18	19-Apr-99	61.52	592.97	
W-830-18	6-May-99	61.23	593.26	
W-830-18	8-Jun-99	61.22	593.27	
W-830-18	28-Jul-99	61.14	593.35	
W-830-18	20-Aug-99	61.07	593.42	
W-830-18	9-Sep-99	61.14	593.35	
W-830-18	11-Oct-99	61.12	593.37	
W-830-18	7-Dec-99	61.19	593.3	
W-830-18	11-Jan-00	60.73	593.76	
W-830-18	28-Feb-00	61.02	593.47	
W-830-18	18-Mar-00	61.16	593.33	
W-830-18	4-Apr-00	61.05	593.44	
W-830-18	3-May-00	60.67	593.82	
W-830-18	1-Jun-00	60.57	593.92	
W-830-18	21-Jun-00	60.69	593.8	PS
W-830-18	7-Jul-00	61.41	593.08	
W-830-18	28-Jul-00	61.91	592.58	PS
W-830-18	1-Aug-00	61.91	592.58	
W-830-18	6-Sep-00	62.14	592.35	
W-830-18	6-Sep-00	62.14	592.35	
W-830-18	2-Oct-00	62.28	592.21	
W-830-18	3-Nov-00	62.59	591.9	
W-830-18	17-Nov-00	62.63	591.86	ps
W-830-18	4-Dec-00	62.63	591.86	
W-830-18	12-Jan-01	62.15	592.34	
W-830-18	26-Jan-01	61.79	592.7	PS
W-830-18	1-Feb-01	62.24	592.25	
W-830-18	8-Mar-01	62.26	592.23	
W-830-18	5-Apr-01	62.49	592.	
W-830-18	2-May-01	62.76	591.73	
W-830-18	22-May-01	62.94	591.55	PS
W-830-18	5-Jun-01	63.04	591.45	
W-830-18	5-Jul-01	62.58	591.91	
W-830-18	3-Aug-01	63.24	591.25	
W-830-18	13-Sep-01	63.62	590.87	
W-830-18	24-Sep-01	63.6	590.89	PS
W-830-18	5-Oct-01	63.69	590.8	
W-830-18	13-Nov-01	63.82	590.67	
W-830-18	5-Dec-01	63.54	590.95	
W-830-18	26-Dec-01	63.28	591.21	PS
W-830-18	3-Jan-02	63.22	591.27	
W-830-18	31-Jan-02	63.32	591.17	PS
W-830-18	8-Feb-02	63.49	591.	
W-830-18	7-Mar-02	63.14	591.35	
W-830-18	2-Apr-02	63.33	591.16	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-18	1-May-02	63.67	590.82	
W-830-18	2-Jun-02	63.9	590.59	
W-830-18	15-Jul-02	64.1	590.39	
W-830-18	2-Aug-02	63.84	590.65	
W-830-18	3-Sep-02	63.87	590.62	
W-830-18	24-Sep-02	63.83	590.66	PS
W-830-18	5-Oct-02	63.91	590.58	
W-830-18	23-Dec-02	63.25	591.24	ps
W-830-18	6-Jan-03	63.08	591.41	
W-830-18	3-Feb-03	63.	591.49	
W-830-18	1-Mar-03	63.96	590.53	
W-830-18	8-Apr-03	62.69	591.8	
W-830-18	7-Jul-03	62.06	592.43	
W-830-18	2-Oct-03	62.03	592.46	
W-830-18	7-Jan-04	62.68	591.81	
W-830-18	13-Apr-04	63.3	591.19	
W-830-18	6-Jul-04	63.32	591.17	
W-830-18	6-Oct-04	62.94	591.55	
W-830-18	3-Jan-05	62.41	592.08	
W-830-19	1-Jun-96	0.	0.	
W-830-19	7-Aug-96	39.33	616.51	
W-830-19	6-Sep-96	39.47	616.37	
W-830-19	11-Oct-96	39.68	616.16	
W-830-19	7-Nov-96	39.88	615.96	
W-830-19	4-Dec-96	39.7	616.14	
W-830-19	7-Jan-97	39.41	616.43	
W-830-19	4-Feb-97	38.23	617.61	
W-830-19	5-Mar-97	38.53	617.31	
W-830-19	9-Apr-97	38.76	617.08	
W-830-19	5-May-97	39.18	616.66	
W-830-19	4-Jun-97	39.31	616.53	
W-830-19	11-Jul-97	39.45	616.39	
W-830-19	5-Aug-97	39.63	616.21	
W-830-19	5-Sep-97	39.63	616.21	
W-830-19	8-Oct-97	39.84	616.	
W-830-19	6-Nov-97	39.82	616.02	
W-830-19	5-Dec-97	39.71	616.13	
W-830-19	9-Jan-98	39.33	616.51	
W-830-19	5-Feb-98	39.07	616.77	
W-830-19	4-Mar-98	37.71	618.13	
W-830-19	2-Apr-98	38.25	617.59	
W-830-19	4-May-98	38.4	617.44	
W-830-19	4-Jun-98	38.32	617.52	
W-830-19	16-Jul-98	38.75	617.09	
W-830-19	6-Aug-98	38.88	616.96	
W-830-19	4-Sep-98	39.	616.84	
W-830-19	8-Oct-98	39.42	616.42	
W-830-19	19-Nov-98	39.71	616.13	
W-830-19	4-Dec-98	39.6	616.24	
W-830-19	7-Jan-99	39.53	616.31	
W-830-19	3-Feb-99	39.56	616.28	
W-830-19	8-Mar-99	39.13	616.71	
W-830-19	12-Apr-99	39.02	616.82	
W-830-19	5-May-99	39.14	616.7	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-19	8-Jun-99	39.13	616.71	
W-830-19	7-Jul-99	39.32	616.52	
W-830-19	10-Aug-99	39.37	616.47	
W-830-19	10-Sep-99	0.	0.	NM
W-830-19	11-Oct-99	39.53	616.31	
W-830-19	8-Dec-99	39.65	616.19	
W-830-19	11-Jan-00	39.44	616.4	
W-830-19	31-Jan-00	39.76	616.08	PS
W-830-19	9-Feb-00	39.53	616.31	
W-830-19	15-Mar-00	38.58	617.26	
W-830-19	4-Apr-00	38.92	616.92	
W-830-19	3-May-00	38.69	617.15	
W-830-19	9-Jun-00	39.15	616.69	
W-830-19	20-Jun-00	39.1	616.74	PS
W-830-19	5-Jul-00	39.03	616.81	
W-830-19	1-Aug-00	39.19	616.65	
W-830-19	14-Aug-00	39.16	616.68	PS
W-830-19	5-Sep-00	39.49	616.35	
W-830-19	2-Oct-00	39.33	616.51	
W-830-19	1-Nov-00	39.6	616.24	
W-830-19	21-Nov-00	39.4	616.44	ps
W-830-19	4-Dec-00	39.4	616.44	
W-830-19	10-Jan-01	39.38	616.46	
W-830-19	29-Jan-01	39.69	616.15	PS
W-830-19	1-Feb-01	39.69	616.15	
W-830-19	2-Mar-01	39.55	616.29	
W-830-19	5-Apr-01	39.34	616.5	
W-830-19	2-May-01	39.28	616.56	
W-830-19	22-May-01	39.26	616.58	PS
W-830-19	6-Jun-01	39.32	616.52	
W-830-19	6-Jul-01	39.41	616.43	
W-830-19	6-Aug-01	39.45	616.39	
W-830-19	10-Sep-01	39.54	616.3	
W-830-19	19-Sep-01	39.52	616.32	PS
W-830-19	8-Oct-01	39.62	616.22	
W-830-19	14-Nov-01	39.71	616.13	
W-830-19	6-Dec-01	39.81	616.03	
W-830-19	13-Dec-01	39.76	616.08	PS
W-830-19	7-Jan-02	39.52	616.32	
W-830-19	8-Feb-02	39.45	616.39	
W-830-19	8-Mar-02	0.	0.	NM
W-830-19	15-Mar-02	39.2	616.64	PS
W-830-19	2-Apr-02	38.97	616.87	NM
W-830-19	1-May-02	39.33	616.51	
W-830-19	3-Jun-02	39.45	616.39	
W-830-19	18-Jul-02	39.62	616.22	
W-830-19	1-Aug-02	39.56	616.28	
W-830-19	3-Sep-02	39.49	616.35	
W-830-19	1-Oct-02	39.54	616.3	
W-830-19	26-Dec-02	39.81	616.03	ps
W-830-19	6-Jan-03	39.33	616.51	
W-830-19	5-Feb-03	38.81	617.03	
W-830-19	4-Mar-03	38.85	616.99	
W-830-19	7-Apr-03	39.18	616.66	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-19	9-Jul-03	0.	0.	PE
W-830-19	1-Oct-03	0.	0.	NM
W-830-19	6-Jan-04	0.	0.	NM
W-830-19	1-Apr-04	0.	0.	NM/SWAT UNIT
W-830-19	6-Jul-04	0.	0.	NM/SWAT UNIT
W-830-19	6-Oct-04	0.	0.	NM/SWAT UNIT
W-830-19	6-Jan-05	0.	0.	NM/SWAT UNIT
W-830-20	1-Jun-96	0.	0.	
W-830-20	6-Aug-96	15.49	581.47	
W-830-20	9-Sep-96	15.63	581.33	
W-830-20	10-Oct-96	15.49	581.47	
W-830-20	5-Nov-96	15.45	581.51	
W-830-20	4-Dec-96	15.05	581.91	
W-830-20	3-Jan-97	14.58	582.38	
W-830-20	3-Feb-97	14.35	582.61	
W-830-20	3-Mar-97	14.16	582.8	
W-830-20	3-Apr-97	14.14	582.82	
W-830-20	1-May-97	14.57	582.39	
W-830-20	2-Jun-97	14.75	582.21	
W-830-20	1-Jul-97	15.25	581.71	
W-830-20	1-Aug-97	16.05	580.91	
W-830-20	2-Sep-97	15.95	581.01	
W-830-20	10-Oct-97	15.74	581.22	
W-830-20	3-Nov-97	15.51	581.45	
W-830-20	1-Dec-97	15.12	581.84	
W-830-20	7-Jan-98	14.95	582.01	
W-830-20	4-Feb-98	14.59	582.37	
W-830-20	2-Mar-98	14.38	582.58	
W-830-20	2-Apr-98	13.71	583.25	
W-830-20	6-May-98	13.27	583.69	
W-830-20	4-Jun-98	12.9	584.06	
W-830-20	9-Jul-98	12.89	584.07	
W-830-20	5-Aug-98	13.11	583.85	
W-830-20	4-Sep-98	12.75	584.21	
W-830-20	22-Oct-98	12.63	584.33	
W-830-20	17-Nov-98	12.47	584.49	
W-830-20	2-Dec-98	12.38	584.58	
W-830-20	8-Jan-99	11.83	585.13	
W-830-20	5-Feb-99	11.65	585.31	
W-830-20	4-Mar-99	11.39	585.57	
W-830-20	19-Apr-99	11.49	585.47	
W-830-20	6-May-99	11.49	585.47	
W-830-20	8-Jun-99	11.44	585.52	
W-830-20	28-Jul-99	11.87	585.09	
W-830-20	20-Aug-99	11.72	585.24	
W-830-20	8-Sep-99	11.75	585.21	
W-830-20	11-Oct-99	11.82	585.14	
W-830-20	7-Dec-99	11.4	585.56	
W-830-20	11-Jan-00	11.04	585.92	
W-830-20	28-Feb-00	11.3	585.66	
W-830-20	18-Mar-00	10.92	586.04	
W-830-20	4-Apr-00	10.82	586.14	
W-830-20	3-May-00	10.71	586.25	
W-830-20	1-Jun-00	10.69	586.27	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-20	23-Jun-00	10.92	586.04	PS
W-830-20	7-Jul-00	11.29	585.67	
W-830-20	2-Aug-00	11.53	585.43	
W-830-20	6-Sep-00	11.99	584.97	
W-830-20	6-Sep-00	11.99	584.97	
W-830-20	2-Oct-00	12.19	584.77	
W-830-20	3-Nov-00	12.45	584.51	
W-830-20	4-Dec-00	12.24	584.72	
W-830-20	12-Jan-01	11.68	585.28	
W-830-20	1-Feb-01	11.77	585.19	
W-830-20	8-Mar-01	11.9	585.06	
W-830-20	5-Apr-01	11.94	585.02	
W-830-20	2-May-01	12.14	584.82	
W-830-20	22-May-01	12.44	584.52	PS
W-830-20	5-Jun-01	12.83	584.13	
W-830-20	5-Jul-01	12.81	584.15	
W-830-20	3-Aug-01	13.27	583.69	
W-830-20	13-Sep-01	13.57	583.39	
W-830-20	5-Oct-01	13.72	583.24	
W-830-20	13-Nov-01	13.57	583.39	
W-830-20	5-Dec-01	13.31	583.65	
W-830-20	3-Jan-02	12.85	584.11	
W-830-20	8-Feb-02	13.11	583.85	
W-830-20	7-Mar-02	12.79	584.17	
W-830-20	2-Apr-02	12.94	584.02	
W-830-20	1-May-02	13.25	583.71	
W-830-20	2-Jun-02	13.2	583.76	
W-830-20	15-Jul-02	13.97	582.99	
W-830-20	2-Aug-02	13.97	582.99	
W-830-20	3-Sep-02	14.27	582.69	
W-830-20	5-Oct-02	14.26	582.7	
W-830-20	23-Dec-02	13.38	583.58	ps
W-830-20	6-Jan-03	13.31	583.65	
W-830-20	3-Feb-03	13.05	583.91	
W-830-20	1-Mar-03	12.9	584.06	
W-830-20	15-Apr-03	12.67	584.29	
W-830-20	7-Jul-03	12.94	584.02	
W-830-20	2-Oct-03	13.28	583.68	
W-830-20	6-Jan-04	12.93	584.03	
W-830-20	13-Apr-04	13.33	583.63	
W-830-20	6-Jul-04	14.	582.96	
W-830-20	6-Oct-04	13.58	583.38	
W-830-20	3-Jan-05	12.91	584.05	
W-830-21	1-Jun-96	0.	0.	
W-830-21	6-Aug-96	66.77	587.17	
W-830-21	9-Sep-96	66.77	587.17	
W-830-21	10-Oct-96	66.95	586.99	
W-830-21	5-Nov-96	67.02	586.92	
W-830-21	4-Dec-96	67.07	586.87	
W-830-21	3-Jan-97	67.14	586.8	
W-830-21	3-Feb-97	67.14	586.8	
W-830-21	3-Mar-97	67.01	586.93	
W-830-21	3-Apr-97	66.54	587.4	
W-830-21	1-May-97	66.68	587.26	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-21	2-Jun-97	66.67	587.27	
W-830-21	1-Jul-97	66.83	587.11	
W-830-21	1-Aug-97	66.9	587.04	
W-830-21	2-Sep-97	67.01	586.93	
W-830-21	10-Oct-97	67.11	586.83	
W-830-21	3-Nov-97	67.17	586.77	
W-830-21	1-Dec-97	67.27	586.67	
W-830-21	7-Jan-98	67.32	586.62	
W-830-21	4-Feb-98	67.17	586.77	
W-830-21	2-Mar-98	66.55	587.39	
W-830-21	2-Apr-98	66.32	587.62	
W-830-21	6-May-98	66.3	587.64	
W-830-21	4-Jun-98	66.28	587.66	
W-830-21	9-Jul-98	66.47	587.47	
W-830-21	5-Aug-98	66.51	587.43	
W-830-21	3-Sep-98	66.44	587.5	
W-830-21	22-Oct-98	66.58	587.36	
W-830-21	17-Nov-98	66.55	587.39	
W-830-21	2-Dec-98	66.76	587.18	
W-830-21	8-Jan-99	66.78	587.16	
W-830-21	3-Feb-99	66.77	587.17	
W-830-21	4-Mar-99	66.7	587.24	
W-830-21	12-Apr-99	61.7	592.24	
W-830-21	6-May-99	66.73	587.21	
W-830-21	8-Jun-99	66.71	587.23	
W-830-21	28-Jul-99	66.66	587.28	
W-830-21	20-Aug-99	66.77	587.17	
W-830-21	9-Sep-99	66.65	587.29	
W-830-21	11-Oct-99	66.74	587.2	
W-830-21	7-Dec-99	67.	586.94	
W-830-21	11-Jan-00	66.8	587.14	
W-830-21	28-Jan-00	66.92	587.02	PS
W-830-21	28-Feb-00	66.96	586.98	
W-830-21	18-Mar-00	67.02	586.92	
W-830-21	4-Apr-00	66.89	587.05	
W-830-21	3-May-00	66.79	587.15	
W-830-21	1-Jun-00	66.84	587.1	
W-830-21	21-Jun-00	66.69	587.25	PS
W-830-21	7-Jul-00	66.72	587.22	
W-830-21	28-Jul-00	66.56	587.38	PS
W-830-21	1-Aug-00	66.56	587.38	
W-830-21	6-Sep-00	66.23	587.71	
W-830-21	6-Sep-00	66.23	587.71	
W-830-21	2-Oct-00	66.19	587.75	
W-830-21	1-Nov-00	66.25	587.69	
W-830-21	17-Nov-00	66.21	587.73	ps
W-830-21	4-Dec-00	66.21	587.73	
W-830-21	12-Jan-01	66.45	587.49	
W-830-21	30-Jan-01	65.66	588.28	PS
W-830-21	1-Feb-01	65.98	587.96	
W-830-21	8-Mar-01	66.27	587.67	
W-830-21	5-Apr-01	66.04	587.9	
W-830-21	2-May-01	66.11	587.83	
W-830-21	22-May-01	66.09	587.85	PS

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-21	5-Jun-01	66.15	587.79	
W-830-21	5-Jul-01	66.18	587.76	
W-830-21	3-Aug-01	66.27	587.67	
W-830-21	13-Sep-01	66.2	587.74	
W-830-21	19-Sep-01	66.32	587.62	PS
W-830-21	5-Oct-01	66.28	587.66	
W-830-21	13-Nov-01	66.44	587.5	
W-830-21	5-Dec-01	66.52	587.42	
W-830-21	18-Dec-01	66.66	587.28	PS
W-830-21	3-Jan-02	66.59	587.35	
W-830-21	31-Jan-02	66.6	587.34	PS
W-830-21	8-Feb-02	66.61	587.33	
W-830-21	7-Mar-02	66.47	587.47	
W-830-21	2-Apr-02	66.37	587.57	
W-830-21	1-May-02	66.5	587.44	
W-830-21	2-Jun-02	66.5	587.44	
W-830-21	15-Jul-02	66.5	587.44	
W-830-21	2-Aug-02	66.56	587.38	
W-830-21	3-Sep-02	66.47	587.47	
W-830-21	5-Oct-02	66.61	587.33	
W-830-21	23-Dec-02	66.7	587.24	ps
W-830-21	6-Jan-03	66.82	587.12	
W-830-21	3-Feb-03	66.75	587.19	
W-830-21	1-Mar-03	66.73	587.21	
W-830-21	8-Apr-03	66.62	587.32	
W-830-21	7-Jul-03	66.66	587.28	
W-830-21	2-Oct-03	66.78	587.16	
W-830-21	8-Jan-04	66.79	587.15	
W-830-21	13-Apr-04	66.77	587.17	
W-830-21	6-Jul-04	66.73	587.21	
W-830-21	6-Oct-04	67.11	586.83	
W-830-21	3-Jan-05	67.13	586.81	
W-830-22	11-Oct-96	52.33	602.69	
W-830-22	7-Nov-96	53.27	601.75	
W-830-22	4-Dec-96	53.69	601.33	
W-830-22	7-Jan-97	54.07	600.95	
W-830-22	4-Feb-97	54.05	600.97	
W-830-22	5-Mar-97	53.55	601.47	
W-830-22	9-Apr-97	52.62	602.4	
W-830-22	5-May-97	52.52	602.5	
W-830-22	4-Jun-97	52.02	603.	
W-830-22	11-Jul-97	52.69	602.33	
W-830-22	5-Aug-97	52.6	602.42	
W-830-22	5-Sep-97	52.75	602.27	
W-830-22	8-Oct-97	52.92	602.1	
W-830-22	6-Nov-97	53.18	601.84	
W-830-22	5-Dec-97	54.02	601.	
W-830-22	9-Jan-98	53.35	601.67	
W-830-22	5-Feb-98	53.29	601.73	
W-830-22	4-Mar-98	54.13	600.89	
W-830-22	2-Apr-98	51.46	603.56	
W-830-22	4-May-98	50.13	604.89	
W-830-22	4-Jun-98	49.53	605.49	
W-830-22	16-Jul-98	49.02	606.	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-22	6-Aug-98	48.93	606.09	
W-830-22	3-Sep-98	48.8	606.22	
W-830-22	8-Oct-98	48.95	606.07	
W-830-22	19-Nov-98	49.8	605.22	
W-830-22	4-Dec-98	49.84	605.18	
W-830-22	7-Jan-99	0.	0.	
W-830-22	3-Feb-99	0.	0.	NM
W-830-22	8-Mar-99	0.	0.	BLOC
W-830-22	12-Apr-99	0.	0.	BLOC
W-830-22	5-May-99	0.	0.	BLOC
W-830-22	8-Jun-99	0.	0.	BLOC
W-830-22	7-Jul-99	0.	0.	BLOC
W-830-22	10-Aug-99	0.	0.	BLOC
W-830-22	10-Sep-99	0.	0.	NM
W-830-22	11-Oct-99	0.	0.	DRY
W-830-22	8-Dec-99	51.42	603.6	
W-830-22	11-Jan-00	50.92	604.1	
W-830-22	31-Jan-00	51.32	603.7	PS
W-830-22	9-Feb-00	51.46	603.56	
W-830-22	18-Mar-00	51.8	603.22	
W-830-22	4-Apr-00	51.59	603.43	
W-830-22	3-May-00	50.97	604.05	
W-830-22	9-Jun-00	51.2	603.82	
W-830-22	22-Jun-00	51.	604.02	PS
W-830-22	5-Jul-00	50.88	604.14	
W-830-22	1-Aug-00	50.56	604.46	
W-830-22	10-Aug-00	50.2	604.82	PS
W-830-22	5-Sep-00	49.33	605.69	
W-830-22	2-Oct-00	48.74	606.28	CB
W-830-22	1-Nov-00	48.75	606.27	CB
W-830-22	16-Nov-00	48.43	606.59	ps
W-830-22	4-Dec-00	48.43	606.59	CB
W-830-22	10-Jan-01	48.17	606.85	CB
W-830-22	29-Jan-01	48.69	606.33	PS
W-830-22	1-Feb-01	48.69	606.33	CB
W-830-22	2-Mar-01	48.29	606.73	CB
W-830-22	5-Apr-01	47.77	607.25	CB
W-830-22	2-May-01	47.44	607.58	CB
W-830-22	18-May-01	47.7	607.32	PS
W-830-22	6-Jun-01	47.42	607.6	CB
W-830-22	6-Jul-01	47.28	607.74	CB
W-830-22	6-Aug-01	47.73	607.29	CB
W-830-22	10-Sep-01	47.06	607.96	CB
W-830-22	19-Sep-01	47.1	607.92	PS
W-830-22	8-Oct-01	47.19	607.83	CB
W-830-22	14-Nov-01	47.32	607.7	CB
W-830-22	30-Nov-01	47.21	607.81	PS
W-830-22	6-Dec-01	47.21	607.81	CB
W-830-22	7-Jan-02	48.05	606.97	CB
W-830-22	8-Feb-02	48.08	606.94	CB
W-830-22	8-Mar-02	0.	0.	CB/NM
W-830-22	15-Mar-02	47.44	607.58	PS
W-830-22	2-Apr-02	47.05	607.97	CB
W-830-22	1-May-02	47.1	607.92	CB

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-22	3-Jun-02	47.	608.02	CB
W-830-22	18-Jul-02	47.02	608.	CB
W-830-22	1-Aug-02	47.22	607.8	CB
W-830-22	3-Sep-02	45.19	609.83	CB
W-830-22	1-Oct-02	46.5	608.52	CB
W-830-22	26-Dec-02	48.23	606.79	ps
W-830-22	6-Jan-03	48.24	606.78	CB
W-830-22	5-Feb-03	47.91	607.11	CB
W-830-22	4-Mar-03	47.56	607.46	CB
W-830-22	8-Apr-03	47.52	607.5	CB
W-830-22	9-Jul-03	47.77	607.25	CB
W-830-22	1-Oct-03	47.54	607.48	CB
W-830-22	6-Jan-04	47.06	607.96	CB
W-830-22	7-Apr-04	16.56	638.46	CB
W-830-22	6-Jul-04	46.52	608.5	CB
W-830-22	5-Oct-04	48.43	606.59	CB
W-830-22	7-Jan-05	47.99	607.03	CB
W-830-25	11-Oct-96	0.	0.	DRY
W-830-25	7-Nov-96	0.	0.	DRY
W-830-25	4-Dec-96	0.	0.	DRY
W-830-25	7-Jan-97	0.	0.	DRY
W-830-25	4-Feb-97	0.	0.	DRY
W-830-25	5-Mar-97	24.93	595.41	
W-830-25	9-Apr-97	24.18	596.16	
W-830-25	5-May-97	24.83	595.51	
W-830-25	4-Jun-97	25.18	595.16	
W-830-25	11-Jul-97	25.61	594.73	
W-830-25	5-Aug-97	25.98	594.36	
W-830-25	5-Sep-97	26.35	593.99	
W-830-25	8-Oct-97	0.	0.	DRY
W-830-25	6-Nov-97	0.	0.	DRY
W-830-25	4-Dec-97	0.	0.	DRY
W-830-25	9-Jan-98	0.	0.	DRY
W-830-25	9-Feb-98	0.	0.	DRY
W-830-25	4-Mar-98	21.81	598.53	DRY
W-830-25	2-Apr-98	22.31	598.03	DRY
W-830-25	4-May-98	22.58	597.76	
W-830-25	4-Jun-98	22.56	597.78	NO RECORD BO
W-830-25	16-Jul-98	22.85	597.49	
W-830-25	6-Aug-98	23.04	597.3	
W-830-25	3-Sep-98	23.33	597.01	
W-830-25	8-Oct-98	24.03	596.31	
W-830-25	19-Nov-98	24.56	595.78	
W-830-25	4-Dec-98	24.56	595.78	
W-830-25	7-Jan-99	25.22	595.12	
W-830-25	3-Feb-99	25.16	595.18	
W-830-25	8-Mar-99	25.1	595.24	
W-830-25	12-Apr-99	25.2	595.14	
W-830-25	5-May-99	25.21	595.13	
W-830-25	8-Jun-99	25.11	595.23	
W-830-25	7-Jul-99	25.3	595.04	
W-830-25	20-Aug-99	0.	0.	BLOC
W-830-25	20-Sep-99	0.	0.	NM
W-830-25	14-Oct-99	0.	620.34	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-25	7-Dec-99	0.	0.	DRY
W-830-25	11-Jan-00	0.	0.	DRY
W-830-25	29-Feb-00	31.85	588.49	ME
W-830-25	18-Mar-00	25.48	594.86	
W-830-25	4-Apr-00	0.	0.	DRY
W-830-25	3-May-00	0.	0.	DRY
W-830-25	1-Jun-00	0.	0.	DRY
W-830-25	7-Jul-00	24.47	595.87	
W-830-25	7-Aug-00	22.1	598.24	
W-830-25	16-Aug-00	22.08	598.26	PS
W-830-25	6-Sep-00	22.24	598.1	
W-830-25	6-Sep-00	22.24	598.1	
W-830-25	3-Oct-00	22.16	598.18	
W-830-25	3-Nov-00	22.45	597.89	
W-830-25	28-Nov-00	22.45	597.89	ps
W-830-25	5-Dec-00	22.75	597.59	
W-830-25	12-Jan-01	23.22	597.12	
W-830-25	1-Feb-01	22.99	597.35	
W-830-25	26-Feb-01	22.9	597.44	PS
W-830-25	8-Mar-01	22.73	597.61	
W-830-25	11-Apr-01	22.12	598.22	
W-830-25	7-May-01	22.17	598.17	
W-830-25	31-May-01	22.19	598.15	PS
W-830-25	6-Jun-01	22.19	598.15	
W-830-25	6-Jul-01	22.64	597.7	
W-830-25	6-Aug-01	22.68	597.66	
W-830-25	10-Sep-01	22.13	598.21	
W-830-25	20-Sep-01	22.27	598.07	PS
W-830-25	8-Oct-01	22.31	598.03	
W-830-25	13-Nov-01	22.55	597.79	
W-830-25	10-Dec-01	22.87	597.47	
W-830-25	21-Dec-01	22.97	597.37	PS
W-830-25	7-Jan-02	23.26	597.08	
W-830-25	8-Feb-02	22.87	597.47	
W-830-25	7-Mar-02	22.51	597.83	
W-830-25	14-Mar-02	22.65	597.69	PS
W-830-25	15-Apr-02	22.35	597.99	
W-830-25	1-May-02	22.38	597.96	
W-830-25	7-Jun-02	22.3	598.04	
W-830-25	18-Jul-02	22.56	597.78	
W-830-25	1-Aug-02	22.71	597.63	
W-830-25	4-Sep-02	22.69	597.65	
W-830-25	8-Oct-02	22.53	597.81	
W-830-25	30-Dec-02	23.32	597.02	ps
W-830-25	11-Jan-03	23.15	597.19	
W-830-25	5-Feb-03	23.	597.34	
W-830-25	4-Mar-03	22.8	597.54	
W-830-25	8-Apr-03	22.77	597.57	
W-830-25	28-Jul-03	23.13	597.21	
W-830-25	2-Oct-03	23.02	597.32	
W-830-25	21-Jan-04	23.05	597.29	
W-830-25	7-Apr-04	22.27	598.07	
W-830-25	7-Jul-04	22.98	597.36	
W-830-25	5-Oct-04	24.58	595.76	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-25	13-Jan-05	24.13	596.21	
W-830-26	11-Oct-96	66.97	591.56	
W-830-26	8-Nov-96	67.07	591.46	
W-830-26	4-Dec-96	66.84	591.69	
W-830-26	7-Jan-97	67.08	591.45	
W-830-26	4-Feb-97	66.7	591.83	
W-830-26	5-Mar-97	66.76	591.77	
W-830-26	9-Apr-97	66.5	592.03	
W-830-26	5-May-97	66.58	591.95	
W-830-26	4-Jun-97	66.5	592.03	
W-830-26	11-Jul-97	66.51	592.02	
W-830-26	5-Aug-97	66.74	591.79	
W-830-26	5-Sep-97	66.77	591.76	
W-830-26	8-Oct-97	66.99	591.54	
W-830-26	6-Nov-97	66.9	591.63	
W-830-26	5-Dec-97	66.64	591.89	
W-830-26	9-Jan-98	66.45	592.08	
W-830-26	5-Feb-98	66.78	591.75	
W-830-26	4-Mar-98	66.46	592.07	
W-830-26	2-Apr-98	66.42	592.11	
W-830-26	4-May-98	65.8	592.73	
W-830-26	4-Jun-98	65.5	593.03	
W-830-26	16-Jul-98	65.14	593.39	
W-830-26	6-Aug-98	65.02	593.51	
W-830-26	3-Sep-98	64.75	593.78	
W-830-26	8-Oct-98	64.82	593.71	
W-830-26	19-Nov-98	64.79	593.74	
W-830-26	4-Dec-98	64.57	593.96	
W-830-26	7-Jan-99	64.28	594.25	
W-830-26	3-Feb-99	63.74	594.79	
W-830-26	8-Mar-99	63.66	594.87	
W-830-26	12-Apr-99	63.66	594.87	
W-830-26	5-May-99	63.53	595.	
W-830-26	8-Jun-99	63.4	595.13	
W-830-26	7-Jul-99	63.43	595.1	
W-830-26	10-Aug-99	63.1	595.43	
W-830-26	10-Sep-99	0.	0.	NM
W-830-26	11-Oct-99	63.24	595.29	
W-830-26	8-Dec-99	63.15	595.38	
W-830-26	11-Jan-00	62.79	595.74	
W-830-26	9-Feb-00	62.95	595.58	
W-830-26	18-Mar-00	63.17	595.36	
W-830-26	4-Apr-00	63.16	595.37	
W-830-26	3-May-00	63.	595.53	
W-830-26	9-Jun-00	62.88	595.65	
W-830-26	20-Jun-00	62.95	595.58	PS
W-830-26	5-Jul-00	63.33	595.2	
W-830-26	1-Aug-00	63.84	594.69	
W-830-26	10-Aug-00	64.08	594.45	PS
W-830-26	5-Sep-00	64.42	594.11	
W-830-26	2-Oct-00	64.56	593.97	
W-830-26	1-Nov-00	64.91	593.62	
W-830-26	16-Nov-00	64.82	593.71	ps
W-830-26	4-Dec-00	64.82	593.71	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-26	10-Jan-01	63.6	594.93	
W-830-26	29-Jan-01	64.41	594.12	PS
W-830-26	1-Feb-01	64.41	594.12	
W-830-26	2-Mar-01	64.14	594.39	
W-830-26	5-Apr-01	64.66	593.87	
W-830-26	2-May-01	64.82	593.71	
W-830-26	18-May-01	64.82	593.71	PS
W-830-26	6-Jun-01	65.17	593.36	
W-830-26	6-Jul-01	64.69	593.84	
W-830-26	6-Aug-01	65.37	593.16	
W-830-26	10-Sep-01	65.62	592.91	
W-830-26	20-Sep-01	65.63	592.9	PS
W-830-26	8-Oct-01	65.63	592.9	
W-830-26	14-Nov-01	65.92	592.61	
W-830-26	30-Nov-01	65.65	592.88	PS
W-830-26	6-Dec-01	65.65	592.88	
W-830-26	7-Jan-02	65.26	593.27	
W-830-26	8-Feb-02	65.59	592.94	
W-830-26	8-Mar-02	0.	0.	NM
W-830-26	14-Mar-02	65.55	592.98	PS
W-830-26	2-Apr-02	65.45	593.08	
W-830-26	1-May-02	65.74	592.79	
W-830-26	3-Jun-02	66.	592.53	
W-830-26	18-Jul-02	66.21	592.32	
W-830-26	1-Aug-02	66.11	592.42	
W-830-26	3-Sep-02	65.93	592.6	
W-830-26	1-Oct-02	65.87	592.66	
W-830-26	6-Jan-03	65.28	593.25	
W-830-26	5-Feb-03	65.13	593.4	
W-830-26	4-Mar-03	64.83	593.7	
W-830-26	7-Apr-03	64.87	593.66	
W-830-26	9-Jul-03	64.4	594.13	
W-830-26	1-Oct-03	64.24	594.29	
W-830-26	6-Jan-04	64.79	593.74	
W-830-26	7-Apr-04	65.32	593.21	
W-830-26	6-Jul-04	65.46	593.07	
W-830-26	5-Oct-04	65.04	593.49	
W-830-26	13-Jan-05	64.18	594.35	
W-830-27	7-Nov-96	29.86	590.7	
W-830-27	4-Dec-96	29.93	590.63	
W-830-27	7-Jan-97	30.18	590.38	
W-830-27	4-Feb-97	28.75	591.81	
W-830-27	5-Mar-97	26.24	594.32	
W-830-27	9-Apr-97	25.86	594.7	
W-830-27	5-May-97	26.51	594.05	
W-830-27	4-Jun-97	26.85	593.71	
W-830-27	11-Jul-97	27.37	593.19	
W-830-27	5-Aug-97	27.91	592.65	
W-830-27	5-Sep-97	28.26	592.3	
W-830-27	8-Oct-97	28.83	591.73	
W-830-27	6-Nov-97	29.28	591.28	
W-830-27	4-Dec-97	29.33	591.23	
W-830-27	9-Jan-98	29.54	591.02	
W-830-27	9-Feb-98	29.62	590.94	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-27	4-Mar-98	21.78	598.78	
W-830-27	2-Apr-98	21.56	599.	
W-830-27	4-May-98	21.68	598.88	
W-830-27	4-Jun-98	21.48	599.08	NO RECORD BO
W-830-27	16-Jul-98	22.38	598.18	
W-830-27	6-Aug-98	23.02	597.54	
W-830-27	3-Sep-98	23.45	597.11	
W-830-27	8-Oct-98	24.53	596.03	
W-830-27	19-Nov-98	25.26	595.3	
W-830-27	4-Dec-98	25.35	595.21	
W-830-27	7-Jan-99	25.95	594.61	
W-830-27	3-Feb-99	26.19	594.37	
W-830-27	8-Mar-99	26.11	594.45	
W-830-27	12-Apr-99	26.09	594.47	
W-830-27	5-May-99	25.98	594.58	
W-830-27	8-Jun-99	26.03	594.53	
W-830-27	7-Jul-99	26.36	594.2	
W-830-27	20-Aug-99	26.97	593.59	
W-830-27	20-Sep-99	0.	0.	NM
W-830-27	14-Oct-99	27.04	593.52	
W-830-27	7-Dec-99	27.6	592.96	
W-830-27	11-Jan-00	27.85	592.71	
W-830-27	31-Jan-00	28.15	592.41	PS
W-830-27	29-Feb-00	27.75	592.81	
W-830-27	18-Mar-00	27.74	592.82	
W-830-27	4-Apr-00	27.39	593.17	
W-830-27	3-May-00	26.53	594.03	
W-830-27	1-Jun-00	26.39	594.17	
W-830-27	22-Jun-00	26.26	594.3	PS
W-830-27	7-Jul-00	23.94	596.62	
W-830-27	28-Jul-00	20.53	603.73	PS
W-830-27	1-Aug-00	20.02	600.54	
W-830-27	6-Sep-00	19.64	600.92	
W-830-27	6-Sep-00	19.64	600.92	
W-830-27	3-Oct-00	13.23	607.33	
W-830-27	3-Nov-00	19.53	604.73	
W-830-27	28-Nov-00	19.75	604.51	ps
W-830-27	5-Dec-00	20.61	603.65	
W-830-27	12-Jan-01	22.56	601.7	
W-830-27	1-Feb-01	21.55	602.71	
W-830-27	26-Feb-01	20.86	603.4	PS
W-830-27	8-Mar-01	19.77	604.49	
W-830-27	11-Apr-01	17.96	606.3	MT
W-830-27	7-May-01	18.02	606.24	
W-830-27	31-May-01	17.92	606.34	PS
W-830-27	6-Jun-01	17.92	606.34	
W-830-27	6-Jul-01	19.93	604.33	
W-830-27	6-Aug-01	18.12	606.14	MT
W-830-27	10-Sep-01	17.93	606.33	
W-830-27	20-Sep-01	18.08	606.18	PS
W-830-27	8-Oct-01	18.16	606.1	
W-830-27	13-Nov-01	18.6	605.66	
W-830-27	10-Dec-01	19.56	604.7	
W-830-27	19-Dec-01	19.73	604.53	PS

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-27	7-Jan-02	21.05	603.21	
W-830-27	8-Feb-02	19.12	605.14	
W-830-27	7-Mar-02	18.04	606.22	
W-830-27	14-Mar-02	18.4	605.86	PS
W-830-27	15-Apr-02	18.	606.26	
W-830-27	1-May-02	18.12	606.14	
W-830-27	3-Jun-02	18.25	606.01	
W-830-27	18-Jul-02	18.86	605.4	
W-830-27	1-Aug-02	19.13	605.13	
W-830-27	4-Sep-02	18.23	606.03	
W-830-27	26-Sep-02	18.68	605.58	PS
W-830-27	8-Oct-02	18.93	605.33	
W-830-27	30-Dec-02	19.03	605.23	ps
W-830-27	11-Jan-03	19.76	604.5	
W-830-27	5-Feb-03	19.62	604.64	
W-830-27	4-Mar-03	18.69	605.57	
W-830-27	8-Apr-03	18.39	605.87	
W-830-27	28-Jul-03	20.03	604.23	
W-830-27	2-Oct-03	19.69	604.57	
W-830-27	7-Jan-04	18.9	605.36	
W-830-27	7-Apr-04	18.12	606.14	
W-830-27	7-Jul-04	20.14	604.12	
W-830-27	5-Oct-04	24.21	600.05	
W-830-27	13-Jan-05	22.06	602.2	
W-830-28	11-Oct-96	33.6	588.56	NOM
W-830-28	7-Nov-96	33.65	588.51	
W-830-28	4-Dec-96	33.49	588.67	
W-830-28	7-Jan-97	33.9	588.26	
W-830-28	4-Feb-97	33.27	588.89	
W-830-28	5-Mar-97	33.24	588.92	
W-830-28	9-Apr-97	32.99	589.17	
W-830-28	5-May-97	33.07	589.09	
W-830-28	4-Jun-97	32.97	589.19	
W-830-28	11-Jul-97	32.97	589.19	
W-830-28	5-Aug-97	33.22	588.94	
W-830-28	5-Sep-97	33.23	588.93	
W-830-28	8-Oct-97	33.48	588.68	
W-830-28	6-Nov-97	33.36	588.8	
W-830-28	4-Dec-97	33.24	588.92	
W-830-28	9-Jan-98	33.02	589.14	
W-830-28	9-Feb-98	33.42	588.74	
W-830-28	4-Mar-98	32.9	589.26	
W-830-28	2-Apr-98	32.88	589.28	
W-830-28	4-May-98	32.31	589.85	
W-830-28	4-Jun-98	31.99	590.17	NO RECORD BO
W-830-28	16-Jul-98	31.62	590.54	
W-830-28	6-Aug-98	31.51	590.65	
W-830-28	3-Sep-98	31.26	590.9	
W-830-28	8-Oct-98	31.37	590.79	
W-830-28	19-Nov-98	31.29	590.87	
W-830-28	4-Dec-98	30.94	591.22	
W-830-28	7-Jan-99	30.71	591.45	
W-830-28	3-Feb-99	30.51	591.65	
W-830-28	8-Mar-99	30.18	591.98	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-28	12-Apr-99	30.12	592.04	
W-830-28	5-May-99	30.02	592.14	
W-830-28	8-Jun-99	29.86	592.3	
W-830-28	7-Jul-99	29.97	592.19	
W-830-28	20-Aug-99	29.81	592.35	
W-830-28	20-Sep-99	0.	0.	NM
W-830-28	14-Oct-99	29.62	592.54	
W-830-28	7-Dec-99	29.75	592.41	
W-830-28	11-Jan-00	29.25	592.91	
W-830-28	31-Jan-00	29.53	592.63	PS
W-830-28	29-Feb-00	29.56	592.6	
W-830-28	18-Mar-00	29.6	592.56	
W-830-28	4-Apr-00	29.65	592.51	
W-830-28	3-May-00	29.32	592.84	
W-830-28	1-Jun-00	29.22	592.94	
W-830-28	22-Jun-00	29.47	592.69	PS
W-830-28	7-Jul-00	29.91	592.25	
W-830-28	28-Jul-00	30.63	591.53	PS
W-830-28	1-Aug-00	30.52	591.64	
W-830-28	6-Sep-00	30.76	591.4	
W-830-28	6-Sep-00	30.76	591.4	
W-830-28	3-Oct-00	30.98	591.18	
W-830-28	3-Nov-00	31.19	590.97	
W-830-28	28-Nov-00	30.98	591.18	ps
W-830-28	5-Dec-00	31.18	590.98	
W-830-28	12-Jan-01	30.65	591.51	
W-830-28	1-Feb-01	30.6	591.56	
W-830-28	26-Feb-01	30.65	591.51	PS
W-830-28	8-Mar-01	30.98	591.18	
W-830-28	11-Apr-01	31.17	590.99	
W-830-28	7-May-01	31.6	590.56	
W-830-28	24-May-01	31.16	591.	PS
W-830-28	6-Jun-01	31.62	590.54	
W-830-28	6-Jul-01	31.22	590.94	
W-830-28	6-Aug-01	31.89	590.27	
W-830-28	10-Sep-01	32.28	589.88	
W-830-28	20-Sep-01	32.33	589.83	PS
W-830-28	8-Oct-01	32.35	589.81	
W-830-28	13-Nov-01	32.57	589.59	
W-830-28	10-Dec-01	31.74	590.42	
W-830-28	19-Dec-01	31.93	590.23	PS
W-830-28	7-Jan-02	31.78	590.38	
W-830-28	8-Feb-02	32.11	590.05	
W-830-28	7-Mar-02	31.76	590.4	
W-830-28	14-Mar-02	32.1	590.06	PS
W-830-28	15-Apr-02	32.15	590.01	
W-830-28	1-May-02	32.31	589.85	
W-830-28	3-Jun-02	32.5	589.66	
W-830-28	18-Jul-02	32.61	589.55	
W-830-28	1-Aug-02	32.54	589.62	
W-830-28	4-Sep-02	32.58	589.58	
W-830-28	26-Sep-02	32.34	589.82	PS
W-830-28	8-Oct-02	32.24	589.92	
W-830-28	30-Dec-02	32.09	590.07	ps

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-28	11-Jan-03	31.7	590.46	
W-830-28	5-Feb-03	31.52	590.64	
W-830-28	4-Mar-03	31.32	590.84	
W-830-28	8-Apr-03	31.29	590.87	
W-830-28	28-Jul-03	30.6	591.56	
W-830-28	2-Oct-03	30.61	591.55	
W-830-28	7-Jan-04	31.26	590.9	
W-830-28	7-Apr-04	31.78	590.38	
W-830-28	7-Jul-04	31.85	590.31	
W-830-28	5-Oct-04	31.57	590.59	
W-830-28	13-Jan-05	31.61	590.55	
W-830-29	7-Nov-96	0.	0.	
W-830-29	4-Dec-96	104.73	556.3	
W-830-29	7-Jan-97	102.51	558.52	
W-830-29	4-Feb-97	0.	0.	DRY
W-830-29	5-Mar-97	100.72	560.31	
W-830-29	9-Apr-97	102.56	558.47	
W-830-29	5-May-97	103.94	557.09	
W-830-29	4-Jun-97	106.71	554.32	
W-830-29	11-Jul-97	113.1	547.93	
W-830-29	5-Aug-97	115.11	545.92	
W-830-29	5-Sep-97	113.13	547.9	
W-830-29	8-Oct-97	113.27	547.76	
W-830-29	6-Nov-97	111.3	549.73	
W-830-29	5-Dec-97	108.49	552.54	
W-830-29	9-Jan-98	107.25	553.78	
W-830-29	5-Feb-98	106.76	554.27	
W-830-29	4-Mar-98	105.72	555.31	
W-830-29	2-Apr-98	104.12	556.91	
W-830-29	4-May-98	103.2	557.83	
W-830-29	4-Jun-98	102.5	558.53	TWO MICE
W-830-29	16-Jul-98	106.42	554.61	
W-830-29	6-Aug-98	107.66	553.37	
W-830-29	3-Sep-98	108.8	552.23	
W-830-29	8-Oct-98	108.33	552.7	
W-830-29	19-Nov-98	106.21	554.82	
W-830-29	4-Dec-98	105.01	556.02	
W-830-29	7-Jan-99	102.6	558.43	
W-830-29	3-Feb-99	101.72	559.31	
W-830-29	8-Mar-99	100.22	560.81	
W-830-29	12-Apr-99	99.96	561.07	
W-830-29	5-May-99	101.19	559.84	
W-830-29	8-Jun-99	103.33	557.7	
W-830-29	7-Jul-99	72.45	588.58	ME
W-830-29	10-Aug-99	72.44	588.59	ME
W-830-29	10-Sep-99	0.	0.	NM
W-830-29	11-Oct-99	0.	0.	ME
W-830-29	8-Dec-99	104.25	556.78	
W-830-29	11-Jan-00	102.78	558.25	
W-830-29	9-Feb-00	101.76	559.27	
W-830-29	18-Mar-00	101.4	559.63	
W-830-29	4-Apr-00	101.31	559.72	
W-830-29	3-May-00	101.8	559.23	
W-830-29	9-Jun-00	102.66	558.37	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-29	20-Jun-00	103.36	557.67	PS
W-830-29	5-Jul-00	104.52	556.51	
W-830-29	1-Aug-00	105.52	555.51	
W-830-29	5-Sep-00	106.96	554.07	
W-830-29	2-Oct-00	107.23	553.8	CB
W-830-29	1-Nov-00	105.44	555.59	CB
W-830-29	4-Dec-00	103.04	557.99	CB
W-830-29	10-Jan-01	100.22	560.81	CB/MEASURED
W-830-29	8-Feb-01	99.08	561.95	CB
W-830-29	2-Mar-01	97.88	563.15	CB
W-830-29	5-Apr-01	97.25	563.78	CB
W-830-29	2-May-01	97.06	563.97	CB
W-830-29	18-May-01	99.09	561.94	PS
W-830-29	6-Jun-01	100.65	560.38	CB
W-830-29	6-Jul-01	102.54	558.49	CB
W-830-29	6-Aug-01	103.67	557.36	CB
W-830-29	10-Sep-01	104.53	556.5	CB
W-830-29	8-Oct-01	103.8	557.23	CB
W-830-29	14-Nov-01	101.86	559.17	CB
W-830-29	6-Dec-01	100.13	560.9	CB
W-830-29	7-Jan-02	98.82	562.21	CB
W-830-29	8-Feb-02	98.21	562.82	CB
W-830-29	8-Mar-02	0.	0.	CB/NM
W-830-29	2-Apr-02	96.95	564.08	CB
W-830-29	1-May-02	97.15	563.88	CB
W-830-29	3-Jun-02	98.9	562.13	CB
W-830-29	18-Jul-02	101.52	559.51	CB
W-830-29	1-Aug-02	102.21	558.82	CB
W-830-29	3-Sep-02	103.16	557.87	CB
W-830-29	1-Oct-02	103.45	557.58	CB
W-830-29	6-Jan-03	98.42	562.61	CB
W-830-29	5-Feb-03	97.27	563.76	CB
W-830-29	4-Mar-03	96.27	564.76	CB
W-830-29	7-Apr-03	96.01	565.02	CB
W-830-29	9-Jul-03	100.49	560.54	CB
W-830-29	1-Oct-03	102.22	558.81	CB
W-830-29	6-Jan-04	97.34	563.69	CB
W-830-29	7-Apr-04	45.62	615.41	CB
W-830-29	6-Jul-04	99.39	561.64	CB
W-830-29	5-Oct-04	100.78	560.25	CB
W-830-29	7-Jan-05	94.13	566.9	CB
W-830-30	22-Nov-96	22.51	670.3	
W-830-30	4-Dec-96	22.59	670.22	
W-830-30	7-Jan-97	19.86	672.95	
W-830-30	4-Feb-97	16.5	676.31	
W-830-30	5-Mar-97	19.66	673.15	
W-830-30	9-Apr-97	20.86	671.95	
W-830-30	5-May-97	21.49	671.32	
W-830-30	4-Jun-97	21.8	671.01	
W-830-30	11-Jul-97	22.06	670.75	
W-830-30	5-Aug-97	22.22	670.59	
W-830-30	5-Sep-97	22.23	670.58	
W-830-30	8-Oct-97	22.33	670.48	
W-830-30	6-Nov-97	22.46	670.35	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-30	5-Dec-97	22.45	670.36	
W-830-30	9-Jan-98	21.96	670.85	
W-830-30	5-Feb-98	15.37	677.44	
W-830-30	4-Mar-98	15.14	677.67	
W-830-30	2-Apr-98	17.92	674.89	
W-830-30	4-May-98	19.05	673.76	
W-830-30	4-Jun-98	18.64	674.17	
W-830-30	16-Jul-98	20.04	672.77	
W-830-30	6-Aug-98	20.41	672.4	
W-830-30	3-Sep-98	20.63	672.18	
W-830-30	8-Oct-98	21.18	671.63	
W-830-30	19-Nov-98	21.61	671.2	
W-830-30	4-Dec-98	21.58	671.23	
W-830-30	7-Jan-99	21.6	671.21	
W-830-30	3-Feb-99	20.93	671.88	
W-830-30	8-Mar-99	19.85	672.96	
W-830-30	12-Apr-99	20.24	672.57	
W-830-30	5-May-99	20.42	672.39	
W-830-30	8-Jun-99	20.54	672.27	
W-830-30	7-Jul-99	20.67	672.14	
W-830-30	10-Aug-99	20.71	672.1	
W-830-30	10-Sep-99	0.	0.	NM
W-830-30	11-Oct-99	20.68	672.13	
W-830-30	10-Dec-99	20.9	671.91	CHRISTY BOX
W-830-30	11-Jan-00	20.74	672.07	
W-830-30	9-Feb-00	20.33	672.48	
W-830-30	18-Mar-00	18.65	674.16	
W-830-30	4-Apr-00	19.21	673.6	
W-830-30	3-May-00	19.47	673.34	
W-830-30	9-Jun-00	19.82	672.99	
W-830-30	20-Jun-00	19.77	673.04	PS
W-830-30	5-Jul-00	19.96	672.85	
W-830-30	1-Aug-00	20.1	672.71	
W-830-30	14-Aug-00	20.02	672.79	PS
W-830-30	5-Sep-00	20.32	672.49	
W-830-30	2-Oct-00	20.46	672.35	
W-830-30	1-Nov-00	20.8	672.01	
W-830-30	20-Nov-00	20.64	672.17	ps
W-830-30	4-Dec-00	20.64	672.17	
W-830-30	9-Jan-01	20.82	671.99	
W-830-30	29-Jan-01	20.91	671.9	PS
W-830-30	1-Feb-01	20.91	671.9	
W-830-30	2-Mar-01	20.72	672.09	
W-830-30	5-Apr-01	19.79	673.02	
W-830-30	2-May-01	19.89	672.92	
W-830-30	23-May-01	20.08	672.73	PS
W-830-30	6-Jun-01	20.26	672.55	
W-830-30	6-Jul-01	20.6	672.21	
W-830-30	6-Aug-01	20.89	671.92	
W-830-30	10-Sep-01	20.95	671.86	
W-830-30	19-Sep-01	20.93	671.88	PS
W-830-30	8-Oct-01	21.06	671.75	
W-830-30	14-Nov-01	22.41	670.4	
W-830-30	30-Nov-01	21.41	671.4	PS

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-30	6-Dec-01	21.41	671.4	
W-830-30	7-Jan-02	19.56	673.25	
W-830-30	8-Feb-02	20.25	672.56	
W-830-30	8-Mar-02	0.	0.	NM
W-830-30	15-Mar-02	20.86	671.95	PS
W-830-30	2-Apr-02	20.59	672.22	BAILER IN WE
W-830-30	1-May-02	20.81	672.	BAILER RETRI
W-830-30	3-Jun-02	20.9	671.91	
W-830-30	18-Jul-02	21.09	671.72	
W-830-30	1-Aug-02	21.13	671.68	
W-830-30	3-Sep-02	21.44	671.37	
W-830-30	1-Oct-02	21.5	671.31	
W-830-30	27-Dec-02	19.61	673.2	ps
W-830-30	6-Jan-03	18.74	674.07	
W-830-30	5-Feb-03	20.04	672.77	
W-830-30	4-Mar-03	20.9	671.91	
W-830-30	5-Apr-03	21.29	671.52	
W-830-30	9-Jul-03	21.87	670.64	
W-830-30	1-Oct-03	21.31	671.2	
W-830-30	6-Jan-04	21.73	670.78	
W-830-30	1-Apr-04	21.41	671.1	
W-830-30	6-Jul-04	21.65	670.86	
W-830-30	4-Oct-04	21.88	670.63	
W-830-30	6-Jan-05	21.96	670.55	
W-830-34	4-Feb-97	17.82	674.83	
W-830-34	5-Mar-97	19.72	672.93	
W-830-34	9-Apr-97	20.67	671.98	
W-830-34	5-May-97	21.1	671.55	
W-830-34	4-Jun-97	21.14	671.51	
W-830-34	11-Jul-97	21.16	671.49	
W-830-34	5-Aug-97	21.32	671.33	
W-830-34	5-Sep-97	21.23	671.42	
W-830-34	8-Oct-97	21.31	671.34	
W-830-34	6-Nov-97	21.39	671.26	
W-830-34	5-Dec-97	21.34	671.31	
W-830-34	9-Jan-98	21.	671.65	
W-830-34	5-Feb-98	16.93	675.72	
W-830-34	4-Mar-98	17.81	674.84	
W-830-34	2-Apr-98	18.57	674.08	
W-830-34	4-May-98	19.3	673.35	
W-830-34	4-Jun-98	18.89	673.76	
W-830-34	16-Jul-98	19.83	672.82	
W-830-34	6-Aug-98	20.02	672.63	
W-830-34	3-Sep-98	20.04	672.61	
W-830-34	8-Oct-98	20.61	672.04	
W-830-34	19-Nov-98	20.99	671.66	
W-830-34	4-Dec-98	20.86	671.79	
W-830-34	7-Jan-99	20.92	671.73	
W-830-34	3-Feb-99	20.42	672.23	
W-830-34	8-Mar-99	19.64	673.01	
W-830-34	12-Apr-99	19.88	672.77	
W-830-34	5-May-99	19.98	672.67	
W-830-34	8-Jun-99	20.04	672.61	
W-830-34	7-Jul-99	20.16	672.49	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-34	10-Aug-99	20.06	672.59	
W-830-34	10-Sep-99	0.	0.	NM
W-830-34	11-Oct-99	19.99	672.66	
W-830-34	10-Dec-99	20.25	672.4	CHRISTY BOX
W-830-34	11-Jan-00	19.98	672.67	
W-830-34	9-Feb-00	19.86	672.79	
W-830-34	18-Mar-00	18.8	673.85	
W-830-34	4-Apr-00	19.22	673.43	
W-830-34	3-May-00	19.35	673.3	
W-830-34	9-Jun-00	19.64	673.01	
W-830-34	20-Jun-00	19.47	673.18	PS
W-830-34	5-Jul-00	19.69	672.96	
W-830-34	1-Aug-00	19.68	672.97	
W-830-34	14-Aug-00	19.62	673.03	PS
W-830-34	5-Sep-00	19.89	672.76	
W-830-34	2-Oct-00	19.84	672.81	
W-830-34	1-Nov-00	20.28	672.37	
W-830-34	20-Nov-00	20.2	672.45	ps
W-830-34	4-Dec-00	20.2	672.45	
W-830-34	9-Jan-01	20.2	672.45	
W-830-34	29-Jan-01	20.52	672.13	PS
W-830-34	1-Feb-01	20.52	672.13	
W-830-34	2-Mar-01	20.24	672.41	
W-830-34	5-Apr-01	19.59	673.06	
W-830-34	2-May-01	19.78	672.87	
W-830-34	3-May-01	19.75	672.9	PS
W-830-34	6-Jun-01	20.02	672.63	
W-830-34	6-Jul-01	19.98	672.67	
W-830-34	6-Aug-01	20.38	672.27	
W-830-34	10-Sep-01	20.32	672.33	
W-830-34	19-Sep-01	20.32	672.33	PS
W-830-34	8-Oct-01	20.52	672.13	
W-830-34	14-Nov-01	20.78	671.87	
W-830-34	30-Nov-01	20.73	671.92	PS
W-830-34	6-Dec-01	20.73	671.92	
W-830-34	7-Jan-02	19.93	672.72	
W-830-34	8-Feb-02	20.21	672.44	
W-830-34	8-Mar-02	0.	0.	NM
W-830-34	15-Mar-02	20.36	672.29	PS
W-830-34	2-Apr-02	20.29	672.36	
W-830-34	1-May-02	20.4	672.25	
W-830-34	3-Jun-02	20.4	672.25	
W-830-34	18-Jul-02	20.45	672.2	
W-830-34	1-Aug-02	20.47	672.18	
W-830-34	3-Sep-02	20.47	672.18	
W-830-34	1-Oct-02	20.69	671.96	
W-830-34	27-Dec-02	19.39	673.26	ps
W-830-34	6-Jan-03	18.68	673.97	
W-830-34	5-Feb-03	19.71	672.94	
W-830-34	4-Mar-03	20.13	672.52	
W-830-34	5-Apr-03	20.53	672.12	
W-830-34	9-Jul-03	0.	0.	NM/CB
W-830-34	1-Oct-03	0.	0.	NM/CB
W-830-34	6-Jan-04	20.86	671.49	CB

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-34	1-Apr-04	20.25	672.1	CB
W-830-34	6-Jul-04	20.69	671.66	CB
W-830-34	4-Oct-04	20.69	671.66	CB
W-830-34	6-Jan-05	20.96	671.39	CB
W-830-49	16-Jul-98	36.91	626.68	
W-830-49	8-Oct-98	38.25	628.93	POM=3.59
W-830-49	19-Nov-98	37.54	629.64	POM=3.59
W-830-49	4-Dec-98	37.51	629.67	POM=3.59
W-830-49	7-Jan-99	37.87	629.31	POM=3.59
W-830-49	3-Feb-99	37.61	629.57	POM=3.59
W-830-49	8-Mar-99	37.08	630.1	POM=3.59
W-830-49	12-Apr-99	37.15	630.03	
W-830-49	5-May-99	37.25	629.93	
W-830-49	8-Jun-99	37.25	629.93	
W-830-49	7-Jul-99	37.55	629.63	
W-830-49	10-Aug-99	37.46	629.72	
W-830-49	10-Sep-99	0.	0.	NM
W-830-49	11-Oct-99	37.65	629.53	
W-830-49	10-Dec-99	37.97	629.21	
W-830-49	14-Jan-00	37.76	629.42	
W-830-49	9-Feb-00	37.75	629.43	
W-830-49	18-Mar-00	36.7	630.48	
W-830-49	4-Apr-00	36.52	630.66	
W-830-49	3-May-00	36.53	630.65	
W-830-49	9-Jun-00	37.	630.18	
W-830-49	20-Jun-00	36.88	630.3	PS
W-830-49	5-Jul-00	37.	630.18	
W-830-49	1-Aug-00	37.22	629.96	
W-830-49	14-Aug-00	37.14	630.04	PS
W-830-49	5-Sep-00	37.39	629.79	
W-830-49	2-Oct-00	37.42	629.76	
W-830-49	1-Nov-00	37.88	629.3	
W-830-49	16-Nov-00	37.78	629.4	ps
W-830-49	4-Dec-00	37.78	629.4	
W-830-49	9-Jan-01	37.66	629.52	
W-830-49	31-Jan-01	38.12	629.06	PS
W-830-49	1-Feb-01	38.12	629.06	
W-830-49	2-Mar-01	37.87	629.31	
W-830-49	5-Apr-01	37.51	629.67	
W-830-49	2-May-01	37.42	629.76	
W-830-49	3-May-01	37.42	629.76	PS
W-830-49	6-Jun-01	37.57	629.61	
W-830-49	6-Jul-01	37.47	629.71	
W-830-49	6-Aug-01	37.64	629.54	
W-830-49	30-Aug-01	37.63	629.55	PS
W-830-49	10-Sep-01	37.63	629.55	
W-830-49	8-Oct-01	37.88	629.3	
W-830-49	14-Nov-01	38.07	629.11	
W-830-49	30-Nov-01	37.88	629.3	PS
W-830-49	6-Dec-01	37.88	629.3	
W-830-49	7-Jan-02	37.91	629.27	
W-830-49	8-Feb-02	37.49	629.69	
W-830-49	8-Mar-02	0.	0.	NM
W-830-49	15-Mar-02	37.32	629.86	PS

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-49	3-Apr-02	37.41	629.77	
W-830-49	1-May-02	37.59	629.59	
W-830-49	3-Jun-02	37.7	629.48	
W-830-49	18-Jul-02	37.81	629.37	
W-830-49	1-Aug-02	37.81	629.37	
W-830-49	3-Sep-02	37.92	629.26	
W-830-49	1-Oct-02	38.06	629.12	
W-830-49	27-Dec-02	37.69	629.49	ps
W-830-49	6-Jan-03	36.62	630.56	
W-830-49	5-Feb-03	36.29	630.89	
W-830-49	4-Mar-03	36.56	630.62	
W-830-49	7-Apr-03	37.21	629.97	
W-830-49	9-Jul-03	37.84	629.34	
W-830-49	1-Oct-03	38.09	629.09	
W-830-49	6-Jan-04	38.07	629.11	
W-830-49	7-Apr-04	37.87	629.31	
W-830-49	6-Jul-04	38.04	629.14	
W-830-49	5-Oct-04	38.36	628.82	
W-830-49	7-Jan-05	37.85	629.33	
W-830-50	1-Jul-99	29.29	579.85	
W-830-50	20-Aug-99	28.49	580.65	
W-830-50	9-Sep-99	28.44	580.7	
W-830-50	11-Oct-99	28.36	580.78	
W-830-50	7-Dec-99	28.4	580.74	
W-830-50	11-Jan-00	27.99	581.15	
W-830-50	28-Feb-00	28.41	580.73	
W-830-50	15-Mar-00	28.04	581.1	POM2.01
W-830-50	4-Apr-00	28.55	580.59	
W-830-50	3-May-00	28.51	580.63	
W-830-50	1-Jun-00	28.43	580.71	
W-830-50	21-Jun-00	28.72	580.42	PS
W-830-50	7-Jul-00	28.44	580.7	
W-830-50	31-Jul-00	28.84	580.3	PS
W-830-50	1-Aug-00	28.84	580.3	
W-830-50	6-Sep-00	28.59	580.55	
W-830-50	6-Sep-00	28.59	580.55	
W-830-50	2-Oct-00	28.25	580.89	
W-830-50	3-Nov-00	28.23	580.91	
W-830-50	29-Nov-00	28.38	580.76	ps
W-830-50	4-Dec-00	28.71	580.43	
W-830-50	12-Jan-01	28.78	580.36	
W-830-50	1-Feb-01	28.42	580.72	
W-830-50	12-Feb-01	28.48	580.66	PS
W-830-50	8-Mar-01	28.22	580.92	
W-830-50	5-Apr-01	28.27	580.87	
W-830-50	2-May-01	28.32	580.82	
W-830-50	3-May-01	28.32	580.82	PS
W-830-50	5-Jun-01	28.47	580.67	
W-830-50	5-Jul-01	28.59	580.55	
W-830-50	3-Aug-01	29.04	580.1	
W-830-50	13-Sep-01	28.59	580.55	
W-830-50	19-Sep-01	28.71	580.43	PS
W-830-50	5-Oct-01	28.87	580.27	
W-830-50	13-Nov-01	28.39	580.75	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-50	5-Dec-01	28.17	580.97	
W-830-50	19-Dec-01	28.2	580.94	PS
W-830-50	3-Jan-02	28.14	581.	
W-830-50	8-Feb-02	28.79	580.35	
W-830-50	7-Mar-02	28.3	580.84	
W-830-50	12-Mar-02	28.41	580.73	PS
W-830-50	2-Apr-02	28.14	581.	
W-830-50	1-May-02	28.19	580.95	
W-830-50	2-Jun-02	28.27	580.87	
W-830-50	15-Jul-02	28.85	580.29	
W-830-50	2-Aug-02	29.07	580.07	
W-830-50	3-Sep-02	29.34	579.8	
W-830-50	5-Oct-02	29.48	579.66	
W-830-50	26-Dec-02	29.18	579.96	ps
W-830-50	6-Jan-03	29.15	579.99	
W-830-50	3-Feb-03	29.3	579.84	
W-830-50	1-Mar-03	29.	580.14	
W-830-50	15-Apr-03	28.95	580.19	
W-830-50	7-Jul-03	29.97	579.17	
W-830-50	2-Oct-03	29.93	579.21	
W-830-50	7-Jan-04	31.5	577.64	
W-830-50	13-Apr-04	29.8	579.34	
W-830-50	6-Jul-04	29.54	579.6	
W-830-50	6-Oct-04	31.02	578.12	
W-830-50	3-Jan-05	30.76	578.38	
W-830-51	12-Jun-00	0.	0.	FL
W-830-51	6-Jul-00	0.	0.	FL
W-830-51	1-Aug-00	0.	0.	FL
W-830-51	8-Sep-00	0.	0.	FL
W-830-51	8-Sep-00	0.	0.	FL
W-830-51	3-Oct-00	0.	0.	FL/3.51 STOV
W-830-51	3-Nov-00	0.	0.	FL
W-830-51	5-Dec-00	0.	0.	FL
W-830-51	12-Jan-01	0.	0.	FL
W-830-51	7-Feb-01	0.	0.	FL
W-830-51	8-Mar-01	0.	0.	FL
W-830-51	5-Apr-01	0.	0.	FL
W-830-51	2-May-01	0.	0.	FL
W-830-51	5-Jun-01	0.	0.	FL
W-830-51	5-Jul-01	0.	0.	FL
W-830-51	3-Aug-01	0.	0.	FL
W-830-51	13-Sep-01	0.	0.	FL
W-830-51	5-Oct-01	0.	0.	FL
W-830-51	13-Nov-01	0.	0.	FL
W-830-51	5-Dec-01	0.	0.	FL
W-830-51	3-Jan-02	0.	0.	FL
W-830-51	8-Feb-02	0.	0.	FL
W-830-51	7-Mar-02	0.	0.	FL
W-830-51	2-Apr-02	0.	0.	FL
W-830-51	1-May-02	0.	0.	FL
W-830-51	2-Jun-02	0.	0.	FL
W-830-51	15-Jul-02	0.	0.	FL
W-830-51	2-Aug-02	0.	0.	FL
W-830-51	3-Sep-02	0.	0.	FL

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-51	5-Oct-02	0.	0.	FL
W-830-51	11-Jan-03	0.	0.	FL
W-830-51	3-Feb-03	0.	0.	FL
W-830-51	5-Mar-03	0.	0.	FL
W-830-51	15-Apr-03	0.	0.	FL
W-830-51	9-Jul-03	0.	0.	FL
W-830-51	2-Oct-03	0.	0.	FL
W-830-51	7-Jan-04	0.	0.	FL
W-830-51	13-Apr-04	0.	0.	FL
W-830-51	8-Jul-04	0.	0.	FL
W-830-51	6-Oct-04	0.	0.	FL
W-830-51	15-Jan-05	0.	0.	FL
W-830-52	12-Jun-00	0.	0.	FL
W-830-52	6-Jul-00	0.	0.	FL
W-830-52	1-Aug-00	0.	0.	FL
W-830-52	8-Sep-00	0.	0.	FL
W-830-52	8-Sep-00	0.	0.	FL
W-830-52	3-Oct-00	0.	0.	FL/3.51 STOV
W-830-52	3-Nov-00	0.	0.	FL
W-830-52	5-Dec-00	0.	0.	FL
W-830-52	12-Jan-01	0.	0.	FL
W-830-52	7-Feb-01	0.	0.	FL
W-830-52	8-Mar-01	0.	0.	FL
W-830-52	5-Apr-01	0.	0.	FL
W-830-52	2-May-01	0.	0.	FL
W-830-52	5-Jun-01	0.	0.	FL
W-830-52	5-Jul-01	0.	0.	FL
W-830-52	3-Aug-01	0.	0.	FL
W-830-52	13-Sep-01	0.	0.	FL
W-830-52	5-Oct-01	0.	0.	FL
W-830-52	13-Nov-01	0.	0.	FL
W-830-52	5-Dec-01	0.	0.	FL
W-830-52	3-Jan-02	0.	0.	FL
W-830-52	8-Feb-02	0.	0.	FL
W-830-52	7-Mar-02	0.	0.	FL
W-830-52	2-Apr-02	0.	0.	FL
W-830-52	1-May-02	0.	0.	FL
W-830-52	2-Jun-02	0.	0.	FL
W-830-52	15-Jul-02	0.	0.	FL
W-830-52	2-Aug-02	0.	0.	FL
W-830-52	3-Sep-02	0.	0.	FL
W-830-52	5-Oct-02	0.	0.	FL
W-830-52	11-Jan-03	0.	0.	FL
W-830-52	3-Feb-03	0.	0.	FL
W-830-52	5-Mar-03	0.	0.	FL
W-830-52	15-Apr-03	0.	0.	FL
W-830-52	9-Jul-03	0.	0.	FL
W-830-52	2-Oct-03	0.	0.	FL
W-830-52	7-Jan-04	0.	0.	FL
W-830-52	13-Apr-04	0.	0.	FL
W-830-52	8-Jul-04	0.	0.	FL
W-830-52	6-Oct-04	0.	0.	FL
W-830-52	15-Jan-05	0.	0.	FL
W-830-53	12-Jun-00	0.	0.	FL

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-53	19-Jul-00	0.	0.	FL
W-830-53	1-Aug-00	0.	0.	FL
W-830-53	8-Sep-00	0.	0.	FL
W-830-53	8-Sep-00	0.	0.	FL
W-830-53	13-Oct-00	0.	0.	FL
W-830-53	3-Nov-00	0.	0.	FL
W-830-53	5-Dec-00	0.	0.	FL
W-830-53	12-Jan-01	0.	0.	FL
W-830-53	7-Feb-01	0.	0.	FL
W-830-53	8-Mar-01	0.	0.	FL
W-830-53	5-Apr-01	0.	0.	FL
W-830-53	2-May-01	0.	0.	FL
W-830-53	5-Jun-01	0.	0.	FL
W-830-53	5-Jul-01	0.	0.	FL
W-830-53	3-Aug-01	0.	0.	FL
W-830-53	13-Sep-01	0.	0.	FL
W-830-53	5-Oct-01	0.	0.	FL
W-830-53	13-Nov-01	0.	0.	FL
W-830-53	5-Dec-01	0.	0.	FL
W-830-53	3-Jan-02	0.	0.	FL
W-830-53	8-Feb-02	0.	0.	FL
W-830-53	7-Mar-02	0.	0.	FL
W-830-53	2-Apr-02	0.	0.	FL
W-830-53	1-May-02	0.	0.	FL
W-830-53	2-Jun-02	0.	0.	FL
W-830-53	15-Jul-02	0.	0.	FL
W-830-53	2-Aug-02	0.	0.	FL
W-830-53	3-Sep-02	0.	0.	FL
W-830-53	5-Oct-02	0.	0.	FL
W-830-53	11-Jan-03	0.	0.	FL
W-830-53	3-Feb-03	0.	0.	FL
W-830-53	5-Mar-03	0.	0.	FL
W-830-53	15-Apr-03	0.	0.	FL
W-830-53	9-Jul-03	0.	0.	FL
W-830-53	2-Oct-03	0.	0.	FL
W-830-53	12-Jan-04	0.	0.	FL
W-830-53	13-Apr-04	0.	0.	FL
W-830-53	8-Jul-04	0.	0.	FL
W-830-53	6-Oct-04	0.	0.	FL
W-830-53	15-Jan-05	0.	0.	FL
W-830-54	12-Jun-00	48.87	554.15	
W-830-54	22-Jun-00	48.79	554.23	PS
W-830-54	19-Jul-00	49.02	554.	POM 1.99
W-830-54	7-Aug-00	49.14	553.88	
W-830-54	18-Aug-00	43.38	559.64	PS
W-830-54	8-Sep-00	49.62	553.4	
W-830-54	8-Sep-00	49.62	553.4	
W-830-54	13-Oct-00	49.76	553.26	
W-830-54	3-Nov-00	49.79	553.23	
W-830-54	29-Nov-00	49.78	553.24	ps
W-830-54	5-Dec-00	49.78	553.24	
W-830-54	12-Jan-01	49.96	553.06	
W-830-54	8-Feb-01	49.71	553.31	
W-830-54	21-Feb-01	49.86	553.16	PS

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-54	8-Mar-01	50.09	552.93	
W-830-54	11-Apr-01	49.78	553.24	
W-830-54	7-May-01	49.98	553.04	
W-830-54	31-May-01	50.	553.02	PS
W-830-54	5-Jun-01	50.	553.02	
W-830-54	13-Jul-01	50.76	552.26	
W-830-54	10-Aug-01	51.11	551.91	
W-830-54	13-Sep-01	51.45	551.57	
W-830-54	20-Sep-01	51.59	551.43	PS
W-830-54	8-Oct-01	52.03	550.99	
W-830-54	13-Nov-01	51.86	551.16	
W-830-54	10-Dec-01	51.75	551.27	
W-830-54	18-Dec-01	51.69	551.33	PS
W-830-54	14-Jan-02	51.75	551.27	
W-830-54	8-Feb-02	51.4	551.62	
W-830-54	7-Mar-02	51.27	551.75	
W-830-54	12-Mar-02	51.4	551.62	PS
W-830-54	12-Apr-02	51.6	551.42	
W-830-54	2-May-02	51.55	551.47	
W-830-54	2-Jun-02	51.62	551.4	
W-830-54	15-Jul-02	52.	551.02	
W-830-54	2-Aug-02	52.13	550.89	
W-830-54	3-Sep-02	52.49	550.53	
W-830-54	5-Oct-02	52.92	550.1	
W-830-54	11-Jan-03	52.45	550.57	
W-830-54	5-Feb-03	52.47	550.55	
W-830-54	5-Mar-03	52.3	550.72	
W-830-54	15-Apr-03	52.5	550.52	
W-830-54	28-Jul-03	54.6	548.42	
W-830-54	2-Oct-03	55.21	547.81	
W-830-54	12-Jan-04	55.22	547.8	
W-830-54	13-Apr-04	55.4	547.62	
W-830-54	8-Jul-04	56.	547.02	
W-830-54	6-Oct-04	56.1	546.92	
W-830-54	15-Jan-05	56.32	546.7	
W-830-55	12-Jun-00	85.66	576.39	
W-830-55	22-Jun-00	86.03	576.02	PS
W-830-55	19-Jul-00	85.8	578.24	POM 1.99
W-830-55	7-Aug-00	85.88	578.16	
W-830-55	17-Aug-00	85.99	578.05	PS
W-830-55	8-Sep-00	85.94	578.1	
W-830-55	8-Sep-00	85.94	578.1	
W-830-55	13-Oct-00	85.98	578.06	
W-830-55	3-Nov-00	85.55	578.49	
W-830-55	29-Nov-00	85.95	578.09	ps
W-830-55	5-Dec-00	85.95	578.09	
W-830-55	12-Jan-01	85.83	578.21	
W-830-55	8-Feb-01	85.24	578.8	
W-830-55	21-Feb-01	85.31	578.73	PS
W-830-55	8-Mar-01	85.11	578.93	
W-830-55	11-Apr-01	85.15	578.89	
W-830-55	7-May-01	85.52	578.52	
W-830-55	31-May-01	85.46	578.58	PS
W-830-55	5-Jun-01	85.46	578.58	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-55	13-Jul-01	85.94	578.1	
W-830-55	10-Aug-01	86.31	577.73	
W-830-55	13-Sep-01	85.86	578.18	
W-830-55	20-Sep-01	85.98	578.06	PS
W-830-55	8-Oct-01	86.04	578.	
W-830-55	13-Nov-01	85.66	578.38	
W-830-55	10-Dec-01	85.32	578.72	
W-830-55	18-Dec-01	85.4	578.64	PS
W-830-55	14-Jan-02	85.17	578.87	
W-830-55	8-Feb-02	85.74	578.3	
W-830-55	7-Mar-02	85.3	578.74	
W-830-55	13-Mar-02	85.45	578.59	PS
W-830-55	12-Apr-02	85.2	578.84	
W-830-55	2-May-02	85.17	578.87	
W-830-55	2-Jun-02	85.2	578.84	
W-830-55	15-Jul-02	85.95	578.09	
W-830-55	2-Aug-02	86.16	577.88	
W-830-55	3-Sep-02	86.5	577.54	
W-830-55	5-Oct-02	86.65	577.39	
W-830-55	11-Jan-03	86.11	577.93	
W-830-55	5-Feb-03	86.18	577.86	
W-830-55	5-Mar-03	85.82	578.22	
W-830-55	15-Apr-03	85.87	578.17	
W-830-55	28-Jul-03	87.06	576.98	
W-830-55	2-Oct-03	87.1	576.94	
W-830-55	12-Jan-04	88.45	575.59	
W-830-55	13-Apr-04	86.52	577.52	
W-830-55	8-Jul-04	86.79	577.25	
W-830-55	6-Oct-04	88.	576.04	
W-830-55	15-Jan-05	87.27	576.77	
W-830-56	12-Jun-00	30.11	546.71	
W-830-56	23-Jun-00	30.32	546.5	PS
W-830-56	19-Jul-00	30.	546.82	POM 1.99
W-830-56	2-Aug-00	30.	546.82	
W-830-56	17-Aug-00	30.01	546.81	PS
W-830-56	6-Sep-00	30.01	546.81	
W-830-56	6-Sep-00	30.01	546.81	
W-830-56	3-Oct-00	30.19	546.63	
W-830-56	3-Nov-00	30.37	546.45	
W-830-56	29-Nov-00	30.47	546.35	ps
W-830-56	4-Dec-00	30.42	546.4	
W-830-56	12-Jan-01	30.7	546.12	
W-830-56	31-Jan-01	30.43	546.39	PS
W-830-56	1-Feb-01	30.43	546.39	
W-830-56	8-Mar-01	30.53	546.29	
W-830-56	5-Apr-01	30.42	546.4	
W-830-56	2-May-01	30.42	546.4	
W-830-56	24-May-01	30.51	546.31	PS
W-830-56	5-Jun-01	30.51	546.31	
W-830-56	5-Jul-01	30.55	546.27	
W-830-56	3-Aug-01	30.61	546.21	
W-830-56	13-Sep-01	30.77	546.05	
W-830-56	24-Sep-01	30.77	546.05	PS
W-830-56	5-Oct-01	30.74	546.08	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-56	13-Nov-01	31.	545.82	
W-830-56	5-Dec-01	30.99	545.83	
W-830-56	20-Dec-01	30.92	545.9	PS
W-830-56	3-Jan-02	31.02	545.8	
W-830-56	8-Feb-02	30.88	545.94	
W-830-56	7-Mar-02	30.77	546.05	
W-830-56	13-Mar-02	30.95	545.87	PS
W-830-56	2-Apr-02	30.8	546.02	
W-830-56	1-May-02	30.85	545.97	
W-830-56	3-Jun-02	30.95	545.87	
W-830-56	15-Jul-02	31.	545.82	
W-830-56	2-Aug-02	31.01	545.81	
W-830-56	3-Sep-02	31.04	545.78	
W-830-56	5-Oct-02	31.18	545.64	
W-830-56	6-Jan-03	31.05	545.77	
W-830-56	3-Feb-03	31.	545.82	
W-830-56	1-Mar-03	31.1	545.72	
W-830-56	15-Apr-03	31.08	545.74	
W-830-56	7-Jul-03	31.09	545.73	
W-830-56	2-Oct-03	31.13	545.69	
W-830-56	13-Jan-04	31.3	545.52	
W-830-56	13-Apr-04	31.11	545.71	
W-830-56	7-Jul-04	30.93	545.89	
W-830-56	6-Oct-04	31.35	545.47	
W-830-56	3-Jan-05	31.18	545.64	
W-830-57	9-Jun-00	42.74	597.13	
W-830-57	19-Jul-00	46.23	593.64	POM 3.12
W-830-57	11-Aug-00	46.6	593.27	PO CONT. EXT
W-830-57	6-Sep-00	46.74	593.13	
W-830-57	6-Sep-00	46.74	593.13	
W-830-57	3-Oct-00	46.93	592.94	
W-830-57	3-Nov-00	47.2	592.67	STU03
W-830-57	5-Dec-00	47.17	592.7	STU03
W-830-57	12-Jan-01	43.92	595.95	STU03
W-830-57	1-Feb-01	45.96	593.91	MT
W-830-57	8-Mar-01	47.05	592.82	
W-830-57	11-Apr-01	47.09	592.78	
W-830-57	7-May-01	48.03	591.84	
W-830-57	6-Jun-01	48.05	591.82	
W-830-57	6-Jul-01	45.16	594.71	
W-830-57	3-Aug-01	48.55	591.32	
W-830-57	10-Sep-01	0.	0.	DRY
W-830-57	8-Oct-01	48.77	591.1	
W-830-57	13-Nov-01	49.33	590.54	
W-830-57	10-Dec-01	0.	0.	DRY
W-830-57	7-Jan-02	48.28	591.59	
W-830-57	8-Feb-02	48.57	591.3	
W-830-57	7-Mar-02	48.19	591.68	
W-830-57	15-Apr-02	48.55	591.32	
W-830-57	1-May-02	0.	0.	DRY
W-830-57	3-Jun-02	0.	0.	DRY
W-830-57	15-Jul-02	0.	0.	DRY
W-830-57	1-Aug-02	48.71	591.16	
W-830-57	4-Sep-02	46.55	593.32	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-57	8-Oct-02	46.11	593.76	
W-830-57	11-Jan-03	45.67	594.2	
W-830-57	5-Feb-03	47.95	591.92	
W-830-57	4-Mar-03	46.56	593.31	
W-830-57	8-Apr-03	47.65	592.22	
W-830-57	28-Jul-03	44.58	595.29	
W-830-57	2-Oct-03	44.62	595.25	
W-830-57	7-Jan-04	47.3	592.57	
W-830-57	7-Apr-04	48.48	591.39	
W-830-57	7-Jul-04	45.87	594.	
W-830-57	5-Oct-04	47.89	591.98	
W-830-57	13-Jan-05	47.7	592.17	
W-830-58	11-Jun-00	24.36	608.72	
W-830-58	22-Jun-00	23.61	609.47	PS
W-830-58	19-Jul-00	20.52	612.56	POM 2.20
W-830-58	7-Aug-00	20.47	612.61	
W-830-58	18-Aug-00	20.52	612.56	PS
W-830-58	6-Sep-00	20.48	612.6	
W-830-58	6-Sep-00	20.48	612.6	
W-830-58	3-Oct-00	20.34	612.74	2.20 CASING
W-830-58	3-Nov-00	20.71	612.37	
W-830-58	5-Dec-00	22.44	610.64	
W-830-58	11-Dec-00	22.49	610.59	ps
W-830-58	12-Jan-01	23.43	609.65	
W-830-58	1-Feb-01	22.45	610.63	
W-830-58	12-Feb-01	22.04	611.04	PS
W-830-58	8-Mar-01	22.05	611.03	
W-830-58	11-Apr-01	21.22	611.86	
W-830-58	7-May-01	22.3	610.78	
W-830-58	31-May-01	22.25	610.83	PS
W-830-58	6-Jun-01	22.25	610.83	
W-830-58	6-Jul-01	23.51	609.57	
W-830-58	3-Aug-01	22.25	610.83	
W-830-58	10-Sep-01	22.26	610.82	
W-830-58	25-Sep-01	22.43	610.65	PS
W-830-58	8-Oct-01	22.45	610.63	
W-830-58	13-Nov-01	22.77	610.31	
W-830-58	10-Dec-01	23.22	609.86	
W-830-58	21-Dec-01	23.34	609.74	PS
W-830-58	7-Jan-02	23.66	609.42	
W-830-58	8-Feb-02	22.88	610.2	
W-830-58	7-Mar-02	22.36	610.72	
W-830-58	14-Mar-02	22.65	610.43	PS
W-830-58	15-Apr-02	22.4	610.68	
W-830-58	1-May-02	22.57	610.51	
W-830-58	3-Jun-02	22.55	610.53	
W-830-58	18-Jul-02	22.82	610.26	
W-830-58	1-Aug-02	22.9	610.18	
W-830-58	4-Sep-02	22.95	610.13	
W-830-58	8-Oct-02	23.1	609.98	
W-830-58	30-Dec-02	23.91	609.17	ps
W-830-58	11-Jan-03	27.45	605.63	
W-830-58	5-Feb-03	23.11	609.97	
W-830-58	4-Mar-03	22.85	610.23	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-58	8-Apr-03	22.82	610.26	
W-830-58	28-Jul-03	23.7	609.38	
W-830-58	2-Oct-03	23.77	609.31	
W-830-58	7-Jan-04	22.85	610.23	
W-830-58	7-Apr-04	22.17	610.91	
W-830-58	7-Jul-04	23.44	609.64	
W-830-58	5-Oct-04	25.45	607.63	
W-830-58	13-Jan-05	23.28	609.8	
W-830-59	6-Jul-00	53.89	612.22	CB
W-830-59	1-Aug-00	54.01	612.1	
W-830-59	24-Aug-00	54.27	611.84	PS
W-830-59	5-Sep-00	54.27	611.84	CB
W-830-59	2-Oct-00	54.28	611.83	CB
W-830-59	1-Nov-00	54.5	611.61	
W-830-59	16-Nov-00	54.46	611.65	PS
W-830-59	4-Dec-00	54.46	611.65	CB
W-830-59	9-Jan-01	54.98	611.13	CB
W-830-59	31-Jan-01	54.53	611.58	PS
W-830-59	1-Feb-01	54.53	611.58	CB
W-830-59	2-Mar-01	54.58	611.53	CB
W-830-59	5-Apr-01	54.08	612.03	CB
W-830-59	2-May-01	54.26	611.85	CB
W-830-59	3-May-01	54.26	611.85	PS
W-830-59	6-Jun-01	54.39	611.72	CB
W-830-59	6-Jul-01	54.52	611.59	CB
W-830-59	6-Aug-01	54.57	611.54	CB
W-830-59	30-Aug-01	54.41	611.7	PS
W-830-59	10-Sep-01	54.41	611.7	CB
W-830-59	8-Oct-01	54.43	611.68	CB
W-830-59	14-Nov-01	54.69	611.42	CB
W-830-59	6-Dec-01	54.84	611.27	CB
W-830-59	13-Dec-01	54.76	611.35	PS
W-830-59	7-Jan-02	54.71	611.4	CB
W-830-59	8-Feb-02	54.63	611.48	CB
W-830-59	8-Mar-02	0.	0.	CB/NM
W-830-59	15-Mar-02	54.28	611.83	PS
W-830-59	2-Apr-02	54.21	611.9	CB
W-830-59	1-May-02	54.43	611.68	CB
W-830-59	3-Jun-02	54.4	611.71	CB
W-830-59	18-Jul-02	54.6	611.51	CB
W-830-59	1-Aug-02	54.61	611.5	CB
W-830-59	4-Sep-02	0.	0.	NM/DRILL RIG
W-830-59	1-Oct-02	54.55	611.56	CB
W-830-59	27-Dec-02	54.74	611.37	ps
W-830-59	6-Jan-03	54.52	611.59	CB
W-830-59	5-Feb-03	53.05	613.06	CB
W-830-59	4-Mar-03	54.17	611.94	CB
W-830-59	5-Apr-03	0.	0.	NM/CB
W-830-59	9-Jul-03	0.	0.	NM/CB
W-830-59	1-Oct-03	0.	0.	SWAT UNIT
W-830-59	6-Jan-04	0.	0.	NM/SWAT UNIT
W-830-59	1-Apr-04	0.	0.	NM/SWAT UNIT
W-830-59	6-Jul-04	0.	0.	NM/SWAT UNIT
W-830-59	5-Oct-04	0.	0.	NM/SWAT UNIT

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-59	13-Jan-05	0.	0.	NM/SWAT UNIT
W-830-60	30-Jun-00	44.42	590.99	PS
W-830-60	6-Jul-00	44.62	590.79	
W-830-60	19-Jul-00	44.99	594.75	POM 4.33
W-830-60	2-Aug-00	45.22	594.52	
W-830-60	17-Aug-00	45.42	594.32	PS
W-830-60	5-Sep-00	45.38	594.36	
W-830-60	2-Oct-00	43.24	594.15	1.98 STOVE P
W-830-60	3-Nov-00	43.5	593.89	
W-830-60	4-Dec-00	43.43	593.96	
W-830-60	11-Dec-00	43.38	594.01	ps
W-830-60	12-Jan-01	42.99	594.4	
W-830-60	1-Feb-01	43.1	594.29	
W-830-60	13-Feb-01	43.12	594.27	PS
W-830-60	8-Mar-01	43.31	594.08	
W-830-60	5-Apr-01	43.54	593.85	
W-830-60	2-May-01	43.63	593.76	
W-830-60	23-May-01	43.89	593.5	PS
W-830-60	5-Jun-01	43.99	593.4	
W-830-60	5-Jul-01	43.57	593.82	
W-830-60	3-Aug-01	44.19	593.2	
W-830-60	13-Sep-01	44.63	592.76	
W-830-60	24-Sep-01	44.68	592.71	PS
W-830-60	5-Oct-01	44.62	592.77	
W-830-60	13-Nov-01	44.89	592.5	
W-830-60	5-Dec-01	44.53	592.86	
W-830-60	19-Dec-01	44.24	593.15	PS
W-830-60	3-Jan-02	44.16	593.23	
W-830-60	8-Feb-02	44.43	592.96	
W-830-60	7-Mar-02	44.11	593.28	
W-830-60	12-Mar-02	44.36	593.03	PS
W-830-60	2-Apr-02	44.32	593.07	
W-830-60	1-May-02	44.67	592.72	
W-830-60	2-Jun-02	44.81	592.58	
W-830-60	15-Jul-02	45.	592.39	
W-830-60	2-Aug-02	44.86	592.53	
W-830-60	3-Sep-02	44.9	592.49	
W-830-60	5-Oct-02	44.97	592.42	
W-830-60	26-Dec-02	44.26	593.13	ps
W-830-60	6-Jan-03	44.13	593.26	
W-830-60	3-Feb-03	44.	593.39	
W-830-60	1-Mar-03	43.87	593.52	
W-830-60	8-Apr-03	43.63	593.76	
W-830-60	7-Jul-03	43.09	594.3	
W-830-60	2-Oct-03	43.02	594.37	
W-830-60	7-Jan-04	43.69	593.7	
W-830-60	13-Apr-04	44.28	593.11	
W-830-60	6-Jul-04	44.11	593.28	
W-830-60	6-Oct-04	43.77	593.62	
W-830-60	3-Jan-05	43.42	593.97	
W-830-1730	10-Dec-01	25.55	522.15	
W-830-1730	8-Jan-02	24.88	522.82	
W-830-1730	12-Feb-02	24.5	523.2	
W-830-1730	7-Mar-02	24.59	523.11	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-830-1730	19-Mar-02	24.75	522.95	PS
W-830-1730	8-Apr-02	24.59	523.11	
W-830-1730	1-May-02	24.69	523.01	
W-830-1730	3-Jun-02	24.83	522.87	
W-830-1730	1-Jul-02	24.76	522.94	
W-830-1730	3-Aug-02	24.89	522.81	
W-830-1730	3-Sep-02	24.96	522.74	
W-830-1730	24-Sep-02	25.04	522.66	PS
W-830-1730	5-Oct-02	25.02	522.68	
W-830-1730	26-Dec-02	24.84	522.86	ps
W-830-1730	13-Jan-03	24.74	522.96	
W-830-1730	6-Feb-03	24.68	523.02	
W-830-1730	5-Mar-03	24.67	523.03	
W-830-1730	15-Apr-03	24.6	523.1	
W-830-1730	7-Jul-03	24.65	523.05	
W-830-1730	2-Oct-03	24.74	522.96	
W-830-1730	12-Jan-04	24.66	523.04	
W-830-1730	19-Apr-04	24.59	523.11	
W-830-1730	7-Jul-04	24.56	523.14	
W-830-1730	20-Oct-04	24.75	522.95	
W-830-1730	4-Jan-05	24.64	523.06	
W-830-1807	1-Jul-03	0.	0.	DRY
W-830-1807	1-Oct-03	0.	0.	DRY
W-830-1807	6-Jan-04	0.	0.	DRY/SWAT UNI
W-830-1807	1-Apr-04	0.	0.	NM
W-830-1807	6-Jul-04	0.	0.	NM
W-830-1807	6-Oct-04	0.	0.	NM
W-830-1807	6-Jan-05	0.	0.	NM
W-830-1829	9-Jul-03	52.17	606.83	
W-830-1829	1-Oct-03	52.21	606.79	
W-830-1829	6-Jan-04	51.57	607.43	
W-830-1829	1-Apr-04	51.15	607.85	
W-830-1829	6-Jul-04	51.48	607.52	
W-830-1829	5-Oct-04	53.05	605.95	
W-830-1829	7-Jan-05	21.7	637.3	
W-830-1830	9-Jul-03	55.08	605.92	
W-830-1830	1-Oct-03	55.05	605.95	
W-830-1830	6-Jan-04	55.02	605.98	
W-830-1830	1-Apr-04	54.66	606.34	
W-830-1830	6-Jul-04	55.43	605.57	
W-830-1830	4-Oct-04	55.39	605.61	
W-830-1830	7-Jan-05	54.97	606.03	
W-830-1831	6-Oct-04	166.42	576.29	
W-830-1831	15-Jan-05	165.98	576.73	
W-830-1832	6-Oct-04	157.11	590.76	
W-830-1832	15-Jan-05	157.28	590.59	
SVI-830-031	1-Jul-97	0.	0.	NM
SVI-830-031	2-Jul-97	0.	0.	NM
SVI-830-031	5-Aug-97	0.	0.	
SVI-830-031	5-Sep-97	0.	0.	NA
SVI-830-031	8-Oct-97	24.29	668.04	
SVI-830-031	6-Nov-97	24.39	667.94	
SVI-830-031	5-Dec-97	24.39	667.94	
SVI-830-031	9-Jan-98	23.99	668.34	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
SVI-830-031	5-Feb-98	17.26	675.07	
SVI-830-031	4-Mar-98	17.39	674.94	
SVI-830-031	2-Apr-98	20.57	671.76	
SVI-830-031	4-May-98	21.41	670.92	
SVI-830-031	4-Jun-98	20.93	671.4	
SVI-830-031	16-Jul-98	22.	670.33	
SVI-830-031	6-Aug-98	22.31	670.02	
SVI-830-031	3-Sep-98	22.54	669.79	
SVI-830-031	8-Oct-98	23.02	669.31	
SVI-830-031	19-Nov-98	23.45	668.88	
SVI-830-031	4-Dec-98	23.52	668.81	
SVI-830-031	7-Jan-99	23.44	668.89	
SVI-830-031	3-Feb-99	22.69	669.64	
SVI-830-031	8-Mar-99	21.72	670.61	
SVI-830-031	12-Apr-99	22.11	670.22	
SVI-830-031	5-May-99	22.2	670.13	
SVI-830-031	8-Jun-99	22.44	669.89	
SVI-830-031	7-Jul-99	22.53	669.8	
SVI-830-031	10-Aug-99	22.63	669.7	
SVI-830-031	10-Sep-99	0.	0.	NM
SVI-830-031	14-Oct-99	22.57	669.76	
SVI-830-031	10-Dec-99	22.93	669.4	CHRISTY BOX
SVI-830-031	11-Jan-00	22.8	669.53	
SVI-830-031	9-Feb-00	22.51	669.82	
SVI-830-031	18-Mar-00	20.73	671.6	
SVI-830-031	4-Apr-00	20.64	671.69	
SVI-830-031	5-May-00	0.	0.	BLOC
SVI-830-031	5-Jun-00	0.	0.	NA
SVI-830-031	4-Jul-00	0.	0.	NM
SVI-830-031	2-Aug-00	0.	0.	NM
SVI-830-031	5-Sep-00	0.	0.	NM
SVI-830-031	2-Oct-00	0.	0.	NM
SVI-830-031	8-Nov-00	22.68	669.65	
SVI-830-031	4-Dec-00	22.66	669.67	
SVI-830-031	9-Jan-01	22.73	669.6	
SVI-830-031	1-Feb-01	22.66	669.67	
SVI-830-031	2-Mar-01	22.63	669.7	
SVI-830-031	5-Apr-01	21.53	670.8	MT
SVI-830-031	2-May-01	21.71	670.62	
SVI-830-031	6-Jun-01	22.09	670.24	CB
SVI-830-031	6-Jul-01	22.26	670.07	CB
SVI-830-031	6-Aug-01	22.6	669.73	CB
SVI-830-031	10-Sep-01	22.73	669.6	CB
SVI-830-031	8-Oct-01	22.87	669.46	CB
SVI-830-031	14-Nov-01	23.22	669.11	CB
SVI-830-031	6-Dec-01	23.23	669.1	CB
SVI-830-031	7-Jan-02	21.47	670.86	CB
SVI-830-031	8-Feb-02	21.92	670.41	CB
SVI-830-031	8-Mar-02	0.	0.	CB/NM
SVI-830-031	2-Apr-02	22.56	669.77	CB
SVI-830-031	1-May-02	0.	0.	NM/EQUIPMENT
SVI-830-031	3-Jun-02	22.75	669.58	CB
SVI-830-031	18-Jul-02	22.87	669.46	CB
SVI-830-031	1-Aug-02	22.96	669.37	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
SVI-830-031	3-Sep-02	23.7	668.63	CB
SVI-830-031	1-Oct-02	24.04	668.29	CB
SVI-830-031	6-Jan-03	20.48	671.85	CB
SVI-830-031	5-Feb-03	21.71	670.62	CB
SVI-830-031	4-Mar-03	22.96	669.37	CB
SVI-830-031	5-Apr-03	23.77	668.56	CB
SVI-830-031	9-Jul-03	24.34	667.99	CB
SVI-830-031	1-Oct-03	23.66	668.67	CB
SVI-830-031	6-Jan-04	24.31	668.02	CB
SVI-830-031	1-Apr-04	24.18	668.15	CB
SVI-830-031	6-Jul-04	24.38	667.95	CB
SVI-830-031	4-Oct-04	24.36	667.97	CB
SVI-830-031	6-Jan-05	23.16	669.17	CB
SVI-830-032	1-Jul-97	0.	0.	NM
SVI-830-032	2-Jul-97	0.	0.	NM
SVI-830-032	5-Aug-97	32.86	659.54	
SVI-830-032	5-Sep-97	32.87	659.53	
SVI-830-032	8-Oct-97	32.9	659.5	
SVI-830-032	6-Nov-97	32.91	659.49	
SVI-830-032	5-Dec-97	32.93	659.47	
SVI-830-032	9-Jan-98	32.85	659.55	
SVI-830-032	5-Feb-98	24.84	667.56	
SVI-830-032	4-Mar-98	23.95	668.45	
SVI-830-032	2-Apr-98	29.79	662.61	
SVI-830-032	4-May-98	31.77	660.63	
SVI-830-032	4-Jun-98	30.92	661.48	
SVI-830-032	16-Jul-98	32.8	659.6	
SVI-830-032	6-Aug-98	32.78	659.62	
SVI-830-032	3-Sep-98	32.81	659.59	
SVI-830-032	8-Oct-98	32.88	659.52	
SVI-830-032	19-Nov-98	32.93	659.47	
SVI-830-032	4-Dec-98	32.93	659.47	
SVI-830-032	7-Jan-99	33.08	659.32	
SVI-830-032	3-Feb-99	32.96	659.44	
SVI-830-032	8-Mar-99	32.9	659.5	
SVI-830-032	12-Apr-99	32.86	659.54	
SVI-830-032	5-May-99	32.86	659.54	
SVI-830-032	8-Jun-99	32.92	659.48	
SVI-830-032	7-Jul-99	32.93	659.47	
SVI-830-032	10-Aug-99	32.99	659.41	
SVI-830-032	10-Sep-99	0.	0.	NM
SVI-830-032	14-Oct-99	32.88	659.52	
SVI-830-032	10-Dec-99	33.1	659.3	CHRISTY BOX
SVI-830-032	11-Jan-00	32.8	659.6	
SVI-830-032	9-Feb-00	33.3	659.1	CHRISTY BOX
SVI-830-032	18-Mar-00	32.	660.4	CHRISTY BOX
SVI-830-032	4-Apr-00	31.96	660.44	
SVI-830-032	5-May-00	32.66	659.74	
SVI-830-032	9-Jun-00	32.78	659.62	
SVI-830-032	5-Jul-00	32.57	659.83	
SVI-830-032	1-Aug-00	32.71	659.69	
SVI-830-032	5-Sep-00	32.65	549.85	
SVI-830-032	2-Oct-00	32.77	549.73	
SVI-830-032	8-Nov-00	32.87	549.63	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
SVI-830-032	4-Dec-00	32.78	549.72	
SVI-830-032	9-Jan-01	32.81	549.69	
SVI-830-032	1-Feb-01	32.66	549.84	
SVI-830-032	2-Mar-01	32.62	549.88	
SVI-830-032	5-Apr-01	32.83	549.67	
SVI-830-032	2-May-01	32.84	549.66	
SVI-830-032	6-Jun-01	32.88	549.62	
SVI-830-032	6-Jul-01	32.88	549.62	
SVI-830-032	6-Aug-01	32.84	549.66	
SVI-830-032	10-Sep-01	32.88	549.52	CB
SVI-830-032	8-Oct-01	32.87	549.53	
SVI-830-032	14-Nov-01	32.95	549.45	
SVI-830-032	6-Dec-01	32.87	549.53	
SVI-830-032	7-Jan-02	32.92	549.48	
SVI-830-032	8-Feb-02	32.94	549.46	
SVI-830-032	8-Mar-02	0.	0.	NM
SVI-830-032	2-Apr-02	32.97	549.43	
SVI-830-032	1-May-02	33.	549.4	
SVI-830-032	4-Jun-02	33.12	549.28	
SVI-830-032	18-Jul-02	32.95	549.45	
SVI-830-032	1-Aug-02	32.93	549.47	
SVI-830-032	3-Sep-02	32.96	549.44	
SVI-830-032	1-Oct-02	33.1	549.3	
SVI-830-032	6-Jan-03	31.69	550.71	
SVI-830-032	5-Feb-03	32.61	549.79	
SVI-830-032	4-Mar-03	0.	0.	DRY
SVI-830-032	5-Apr-03	33.17	549.23	
SVI-830-032	9-Jul-03	0.	0.	DRY
SVI-830-032	1-Oct-03	0.	0.	DRY
SVI-830-032	6-Jan-04	0.	0.	DRY
SVI-830-032	1-Apr-04	0.	0.	DRY
SVI-830-032	6-Jul-04	0.	0.	DRY
SVI-830-032	4-Oct-04	0.	0.	DRY
SVI-830-032	6-Jan-05	0.	0.	DRY
SVI-830-033	1-Jul-97	0.	0.	NM
SVI-830-033	2-Jul-97	0.	0.	NM
SVI-830-033	5-Aug-97	23.99	668.36	
SVI-830-033	5-Sep-97	24.02	668.33	
SVI-830-033	8-Oct-97	24.02	668.33	
SVI-830-033	6-Nov-97	24.02	668.33	
SVI-830-033	5-Dec-97	24.01	668.34	
SVI-830-033	9-Jan-98	24.03	668.32	
SVI-830-033	5-Feb-98	23.14	669.21	
SVI-830-033	4-Mar-98	20.55	671.8	
SVI-830-033	2-Apr-98	23.21	669.14	
SVI-830-033	4-May-98	23.98	668.37	
SVI-830-033	4-Jun-98	23.71	668.64	
SVI-830-033	16-Jul-98	24.08	668.27	
SVI-830-033	6-Aug-98	24.09	668.26	
SVI-830-033	3-Sep-98	24.08	668.27	
SVI-830-033	8-Oct-98	24.16	668.19	
SVI-830-033	19-Nov-98	23.93	668.42	
SVI-830-033	4-Dec-98	24.16	668.19	
SVI-830-033	7-Jan-99	24.13	668.22	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
SVI-830-033	3-Feb-99	24.03	668.32	
SVI-830-033	8-Mar-99	23.95	668.4	
SVI-830-033	12-Apr-99	23.97	668.38	
SVI-830-033	5-May-99	23.93	668.42	
SVI-830-033	8-Jun-99	23.96	668.39	
SVI-830-033	7-Jul-99	23.91	668.44	
SVI-830-033	10-Aug-99	24.02	668.33	
SVI-830-033	10-Sep-99	0.	0.	NM
SVI-830-033	14-Oct-99	23.82	668.53	
SVI-830-033	10-Dec-99	24.1	668.25	CHRISTY BOX
SVI-830-033	11-Jan-00	23.95	668.4	
SVI-830-033	9-Feb-00	23.92	668.43	CHRISTY BOX
SVI-830-033	18-Mar-00	24.02	668.33	CHRISTY BOX
SVI-830-033	4-Apr-00	23.98	668.37	
SVI-830-033	5-May-00	23.62	668.73	
SVI-830-033	9-Jun-00	23.97	668.38	
SVI-830-033	5-Jul-00	23.88	668.47	
SVI-830-033	1-Aug-00	23.89	668.46	
SVI-830-033	5-Sep-00	23.88	668.57	
SVI-830-033	2-Oct-00	23.89	668.56	
SVI-830-033	8-Nov-00	24.02	668.43	
SVI-830-033	4-Dec-00	23.93	668.52	
SVI-830-033	9-Jan-01	23.94	668.51	
SVI-830-033	1-Feb-01	23.83	668.62	
SVI-830-033	2-Mar-01	23.89	668.56	
SVI-830-033	5-Apr-01	23.89	668.56	
SVI-830-033	2-May-01	23.99	668.46	
SVI-830-033	6-Jun-01	24.	668.45	
SVI-830-033	6-Jul-01	23.99	668.46	
SVI-830-033	6-Aug-01	24.02	668.43	
SVI-830-033	10-Sep-01	23.99	668.36	CB
SVI-830-033	8-Oct-01	23.94	668.41	
SVI-830-033	14-Nov-01	24.35	668.	FULL OF H20
SVI-830-033	6-Dec-01	23.98	668.37	
SVI-830-033	7-Jan-02	23.92	668.43	
SVI-830-033	8-Feb-02	24.02	668.33	
SVI-830-033	8-Mar-02	0.	0.	NM
SVI-830-033	2-Apr-02	23.96	668.39	
SVI-830-033	1-May-02	24.03	668.32	
SVI-830-033	4-Jun-02	24.18	668.17	
SVI-830-033	18-Jul-02	23.89	668.46	
SVI-830-033	1-Aug-02	23.92	668.43	
SVI-830-033	3-Sep-02	24.07	668.28	
SVI-830-033	1-Oct-02	24.68	667.67	
SVI-830-033	6-Jan-03	23.91	668.44	
SVI-830-033	5-Feb-03	23.96	668.39	
SVI-830-033	4-Mar-03	24.87	667.48	
SVI-830-033	5-Apr-03	24.87	667.48	
SVI-830-033	9-Jul-03	24.83	667.52	
SVI-830-033	1-Oct-03	24.81	667.54	
SVI-830-033	6-Jan-04	24.87	667.48	
SVI-830-033	1-Apr-04	24.81	667.54	
SVI-830-033	6-Jul-04	24.79	667.56	
SVI-830-033	4-Oct-04	24.83	667.52	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
SVI-830-033	6-Jan-05	24.76	667.59	
SVI-830-035	1-Jul-97	0.	0.	NM
SVI-830-035	2-Jul-97	0.	0.	NM
SVI-830-035	5-Aug-97	24.06	668.3	
SVI-830-035	5-Sep-97	24.07	668.29	
SVI-830-035	8-Oct-97	24.09	668.27	
SVI-830-035	6-Nov-97	24.11	668.25	
SVI-830-035	5-Dec-97	24.09	668.27	
SVI-830-035	9-Jan-98	24.11	668.25	
SVI-830-035	5-Feb-98	18.22	674.14	
SVI-830-035	4-Mar-98	17.88	674.48	
SVI-830-035	2-Apr-98	21.09	671.27	
SVI-830-035	4-May-98	22.27	670.09	
SVI-830-035	4-Jun-98	21.67	670.69	
SVI-830-035	16-Jul-98	22.84	669.52	
SVI-830-035	6-Aug-98	23.1	669.26	
SVI-830-035	3-Sep-98	23.34	669.02	
SVI-830-035	8-Oct-98	23.73	668.63	
SVI-830-035	19-Nov-98	24.08	668.28	
SVI-830-035	4-Dec-98	24.12	668.24	
SVI-830-035	7-Jan-99	24.23	668.13	
SVI-830-035	3-Feb-99	24.12	668.24	
SVI-830-035	8-Mar-99	23.11	669.25	
SVI-830-035	12-Apr-99	22.99	669.37	
SVI-830-035	5-May-99	23.12	669.24	
SVI-830-035	8-Jun-99	23.31	669.05	
SVI-830-035	7-Jul-99	23.42	668.94	
SVI-830-035	10-Aug-99	23.55	668.81	
SVI-830-035	10-Sep-99	0.	0.	NM
SVI-830-035	14-Oct-99	23.54	668.82	
SVI-830-035	10-Dec-99	23.88	668.48	CHRISTY BOX
SVI-830-035	11-Jan-00	23.77	668.59	
SVI-830-035	9-Feb-00	23.65	668.71	
SVI-830-035	18-Mar-00	21.3	671.06	
SVI-830-035	4-Apr-00	22.31	670.05	
SVI-830-035	5-May-00	22.59	669.77	
SVI-830-035	9-Jun-00	22.96	669.4	
SVI-830-035	5-Jul-00	22.88	669.48	
SVI-830-035	1-Aug-00	23.02	669.34	
SVI-830-035	5-Sep-00	23.21	669.15	
SVI-830-035	2-Oct-00	23.35	669.01	
SVI-830-035	8-Nov-00	23.62	668.74	
SVI-830-035	4-Dec-00	23.69	668.67	
SVI-830-035	9-Jan-01	23.83	668.53	
SVI-830-035	1-Feb-01	23.89	668.47	
SVI-830-035	2-Mar-01	23.84	668.52	
SVI-830-035	5-Apr-01	22.81	669.55	
SVI-830-035	2-May-01	22.89	669.47	
SVI-830-035	6-Jun-01	23.04	669.32	
SVI-830-035	6-Jul-01	23.24	669.12	
SVI-830-035	6-Aug-01	23.44	668.92	
SVI-830-035	10-Sep-01	23.52	668.84	CB
SVI-830-035	8-Oct-01	23.61	668.75	
SVI-830-035	14-Nov-01	23.92	668.44	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
SVI-830-035	6-Dec-01	24.02	668.34	
SVI-830-035	7-Jan-02	23.81	668.55	
SVI-830-035	8-Feb-02	22.88	669.48	
SVI-830-035	8-Mar-02	0.	0.	NM
SVI-830-035	2-Apr-02	23.51	668.85	
SVI-830-035	1-May-02	23.51	668.85	
SVI-830-035	4-Jun-02	23.55	668.81	
SVI-830-035	18-Jul-02	23.56	668.8	
SVI-830-035	1-Aug-02	23.69	668.67	
SVI-830-035	3-Sep-02	23.75	668.61	
SVI-830-035	1-Oct-02	23.92	668.44	
SVI-830-035	6-Jan-03	21.04	671.32	
SVI-830-035	5-Feb-03	22.56	669.8	
SVI-830-035	4-Mar-03	23.17	669.19	
SVI-830-035	5-Apr-03	23.37	668.99	
SVI-830-035	9-Jul-03	23.63	668.73	
SVI-830-035	1-Oct-03	23.66	668.7	
SVI-830-035	6-Jan-04	24.05	668.31	
SVI-830-035	1-Apr-04	22.91	669.45	
SVI-830-035	7-Jul-04	23.65	668.71	
SVI-830-035	4-Oct-04	23.74	668.62	
SVI-830-035	6-Jan-05	24.	668.36	
W-831-01	2-Mar-88	135.07	638.42	
W-831-01	4-Apr-88	134.93	638.56	
W-831-01	3-May-88	134.97	638.52	
W-831-01	1-Jun-88	135.18	638.31	
W-831-01	6-Jul-88	134.85	638.64	
W-831-01	5-Aug-88	135.13	637.44	
W-831-01	30-Aug-88	135.17	638.32	
W-831-01	4-Oct-88	135.54	637.95	
W-831-01	4-Nov-88	135.57	637.92	
W-831-01	2-Dec-88	135.63	637.86	
W-831-01	12-Jan-89	135.95	637.54	
W-831-01	9-Feb-89	135.74	637.75	
W-831-01	2-Mar-89	135.4	638.09	
W-831-01	12-Apr-89	135.73	637.76	
W-831-01	9-May-89	135.84	637.65	
W-831-01	7-Jun-89	136.08	637.41	
W-831-01	10-Jul-89	136.07	637.42	
W-831-01	9-Aug-89	136.2	637.29	
W-831-01	7-Sep-89	136.45	637.04	
W-831-01	9-Oct-89	136.71	636.78	
W-831-01	9-Nov-89	137.58	635.91	
W-831-01	8-Dec-89	138.45	635.04	
W-831-01	11-Jan-90	139.05	634.44	
W-831-01	30-Jan-90	139.2	634.3	
W-831-01	8-Mar-90	139.93	633.56	
W-831-01	5-Apr-90	140.26	633.23	
W-831-01	4-May-90	140.46	633.03	
W-831-01	7-Jun-90	140.49	633.	
W-831-01	9-Jul-90	140.55	632.94	
W-831-01	7-Aug-90	140.66	632.83	
W-831-01	12-Sep-90	140.79	632.7	
W-831-01	15-Oct-90	140.89	632.6	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-831-01	15-Nov-90	140.96	632.53	
W-831-01	7-Dec-90	140.93	632.56	
W-831-01	25-Jan-91	141.02	632.47	
W-831-01	11-Feb-91	141.21	632.28	
W-831-01	11-Mar-91	141.42	632.07	
W-831-01	5-Apr-91	141.28	632.21	
W-831-01	8-May-91	141.33	632.16	
W-831-01	17-Jun-91	141.44	632.05	
W-831-01	11-Jul-91	141.51	631.98	
W-831-01	8-Aug-91	141.67	631.82	
W-831-01	11-Sep-91	141.7	631.79	
W-831-01	8-Oct-91	141.73	631.76	
W-831-01	12-Nov-91	141.91	631.58	
W-831-01	6-Dec-91	141.78	631.71	
W-831-01	16-Jan-92	142.06	631.43	
W-831-01	2-Apr-92	142.11	631.38	
W-831-01	7-Jul-92	142.28	631.21	
W-831-01	8-Oct-92	142.68	630.81	
W-831-01	8-Jan-93	142.85	630.64	
W-831-01	9-Apr-93	142.3	631.19	
W-831-01	20-Jul-93	143.24	630.25	
W-831-01	13-Oct-93	143.16	630.33	
W-831-01	6-Jan-94	143.15	630.34	
W-831-01	12-Apr-94	142.87	630.62	
W-831-01	6-Jul-94	143.03	630.46	
W-831-01	12-Oct-94	142.96	630.53	
W-831-01	12-Jan-95	143.33	630.16	
W-831-01	6-Apr-95	143.15	630.34	
W-831-01	7-Jul-95	143.21	630.28	
W-831-01	5-Oct-95	143.05	630.44	
W-831-01	11-Jan-96	143.1	630.39	
W-831-01	4-Apr-96	142.89	630.6	
W-831-01	11-Jul-96	142.46	631.03	
W-831-01	11-Oct-96	142.19	631.3	
W-831-01	7-Jan-97	142.08	631.41	
W-831-01	9-Apr-97	144.47	629.02	
W-831-01	11-Jul-97	141.14	632.35	
W-831-01	8-Oct-97	141.01	632.48	
W-831-01	9-Jan-98	140.3	633.19	
W-831-01	2-Apr-98	140.31	633.18	
W-831-01	16-Jul-98	139.03	634.46	
W-831-01	8-Oct-98	138.33	635.16	
W-831-01	7-Jan-99	137.1	636.39	
W-831-01	12-Apr-99	135.88	637.61	
W-831-01	7-Jul-99	134.7	638.79	
W-831-01	14-Oct-99	133.89	639.6	
W-831-01	14-Jan-00	133.02	640.47	
W-831-01	14-Apr-00	132.42	641.07	
W-831-01	21-Jun-00	131.91	641.58	PS
W-831-01	6-Jul-00	131.62	641.87	
W-831-01	3-Oct-00	131.52	641.97	
W-831-01	11-Jan-01	130.68	642.81	
W-831-01	11-Apr-01	130.79	642.7	
W-831-01	15-May-01	130.73	642.76	PS

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-831-01	9-Jul-01	130.14	643.35	
W-831-01	9-Oct-01	130.53	642.96	
W-831-01	7-Jan-02	130.33	643.16	
W-831-01	19-Jul-02	129.49	644.	
W-831-01	2-Oct-02	130.24	643.25	
W-831-01	7-Jan-03	130.4	643.09	
W-831-01	8-Apr-03	130.28	643.21	
W-831-01	10-Jul-03	130.12	643.37	
W-831-01	1-Oct-03	130.13	643.36	
W-831-01	7-Jan-04	129.81	643.68	
W-831-01	14-Apr-04	130.54	642.95	
W-831-01	7-Jul-04	130.46	643.03	
W-831-01	5-Oct-04	130.78	642.71	
W-831-01	7-Jan-05	130.8	642.69	
W-832-01	10-Mar-95	26.55	679.8	
W-832-01	31-Mar-95	25.	681.35	
W-832-01	7-Apr-95	24.54	681.81	
W-832-01	19-Apr-95	24.39	681.96	
W-832-01	28-Apr-95	24.42	681.93	
W-832-01	8-May-95	24.63	681.72	
W-832-01	19-May-95	24.9	681.45	PS
W-832-01	2-Jun-95	25.39	680.96	
W-832-01	7-Jul-95	26.59	679.76	
W-832-01	2-Aug-95	27.46	678.89	
W-832-01	6-Sep-95	28.78	677.57	
W-832-01	5-Oct-95	29.63	676.72	
W-832-01	2-Nov-95	30.1	676.25	
W-832-01	5-Dec-95	29.96	676.39	
W-832-01	11-Jan-96	30.81	675.54	
W-832-01	2-Feb-96	27.57	678.78	
W-832-01	5-Mar-96	23.71	682.64	
W-832-01	4-Apr-96	23.99	682.36	
W-832-01	2-May-96	24.79	681.56	
W-832-01	5-Jun-96	25.9	680.45	
W-832-01	11-Jul-96	27.17	679.18	
W-832-01	7-Aug-96	28.19	678.16	
W-832-01	6-Sep-96	26.64	679.72	
W-832-01	11-Oct-96	26.59	679.77	NOM
W-832-01	7-Nov-96	22.5	683.86	
W-832-01	4-Dec-96	25.26	681.1	
W-832-01	7-Jan-97	27.1	679.26	
W-832-01	4-Feb-97	25.4	680.96	
W-832-01	5-Mar-97	25.41	680.95	
W-832-01	9-Apr-97	26.41	679.95	
W-832-01	5-May-97	27.31	679.05	
W-832-01	4-Jun-97	28.33	678.03	
W-832-01	11-Jul-97	29.31	677.05	
W-832-01	5-Aug-97	29.97	676.39	
W-832-01	5-Sep-97	23.58	682.78	
W-832-01	8-Oct-97	16.22	690.14	
W-832-01	6-Nov-97	16.92	689.44	
W-832-01	5-Dec-97	20.55	685.81	
W-832-01	9-Jan-98	23.73	682.63	
W-832-01	5-Feb-98	20.32	686.04	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-01	4-Mar-98	19.16	687.2	
W-832-01	2-Apr-98	19.79	686.57	
W-832-01	4-May-98	19.45	686.91	
W-832-01	4-Jun-98	20.84	685.52	
W-832-01	16-Jul-98	22.54	683.82	
W-832-01	6-Aug-98	21.85	684.51	
W-832-01	3-Sep-98	22.8	683.56	
W-832-01	8-Oct-98	23.39	682.97	
W-832-01	19-Nov-98	26.08	680.28	
W-832-01	4-Dec-98	26.26	680.1	
W-832-01	7-Jan-99	26.29	680.07	
W-832-01	3-Feb-99	24.21	682.15	
W-832-01	8-Mar-99	24.83	681.53	
W-832-01	12-Apr-99	25.13	681.23	
W-832-01	5-May-99	25.69	680.67	
W-832-01	8-Jun-99	25.56	680.8	
W-832-01	7-Jul-99	26.59	679.77	
W-832-01	10-Aug-99	26.86	679.5	
W-832-01	10-Sep-99	0.	0.	NM
W-832-01	11-Oct-99	27.79	678.57	
W-832-01	10-Dec-99	29.35	677.01	
W-832-01	21-Dec-99	29.52	676.84	PS
W-832-01	14-Jan-00	29.52	676.84	
W-832-01	9-Feb-00	29.47	676.89	
W-832-01	15-Mar-00	26.11	680.25	
W-832-01	4-Apr-00	25.95	680.41	
W-832-01	3-May-00	25.92	680.44	
W-832-01	9-Jun-00	26.83	679.53	
W-832-01	21-Jun-00	26.89	679.47	PS
W-832-01	5-Jul-00	27.	679.36	
W-832-01	1-Aug-00	27.5	678.86	
W-832-01	15-Aug-00	26.69	679.37	PS
W-832-01	5-Sep-00	28.21	678.15	
W-832-01	2-Oct-00	25.79	680.57	
W-832-01	1-Nov-00	20.54	685.52	
W-832-01	4-Dec-00	19.79	686.27	
W-832-01	11-Jan-01	24.99	681.07	MEASURED TWI
W-832-01	6-Feb-01	26.62	679.44	
W-832-01	13-Feb-01	26.71	679.35	PS
W-832-01	2-Mar-01	27.51	678.55	
W-832-01	5-Apr-01	26.77	679.29	
W-832-01	4-May-01	27.36	678.7	
W-832-01	24-May-01	27.93	678.13	PS
W-832-01	6-Jun-01	27.98	678.08	
W-832-01	6-Jul-01	28.96	677.1	
W-832-01	7-Aug-01	29.62	676.44	
W-832-01	10-Sep-01	29.95	676.11	
W-832-01	20-Sep-01	29.95	676.11	PS
W-832-01	8-Oct-01	29.95	676.11	
W-832-01	14-Nov-01	29.99	676.07	
W-832-01	6-Dec-01	29.94	676.12	
W-832-01	13-Dec-01	30.06	676.	PS
W-832-01	7-Jan-02	29.04	677.02	
W-832-01	8-Feb-02	28.85	677.21	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-01	8-Mar-02	0.	0.	NM
W-832-01	18-Mar-02	29.09	676.97	PS
W-832-01	3-Apr-02	29.04	677.02	
W-832-01	2-May-02	29.41	676.65	
W-832-01	3-Jun-02	29.88	676.18	
W-832-01	18-Jul-02	30.11	675.95	
W-832-01	1-Aug-02	30.15	675.91	
W-832-01	4-Sep-02	26.88	679.18	
W-832-01	26-Sep-02	25.54	680.52	PS
W-832-01	1-Oct-02	25.76	680.3	
W-832-01	7-Jan-03	29.31	676.75	
W-832-01	5-Feb-03	29.38	676.68	
W-832-01	4-Mar-03	29.43	676.63	
W-832-01	7-Apr-03	29.7	676.36	
W-832-01	9-Jul-03	30.23	675.83	
W-832-01	1-Oct-03	28.89	677.17	
W-832-01	7-Jan-04	30.51	675.55	
W-832-01	7-Apr-04	29.48	676.58	
W-832-01	6-Jul-04	29.78	676.28	
W-832-01	5-Oct-04	27.66	678.4	
W-832-01	13-Jan-05	30.26	675.8	
W-832-05	8-Mar-95	29.96	689.01	
W-832-05	31-Mar-95	27.76	691.21	
W-832-05	7-Apr-95	27.64	691.33	
W-832-05	19-Apr-95	27.56	691.41	
W-832-05	28-Apr-95	28.1	690.87	
W-832-05	8-May-95	28.49	690.48	
W-832-05	19-May-95	27.79	691.18	PS
W-832-05	2-Jun-95	29.3	689.67	
W-832-05	7-Jul-95	30.42	688.55	
W-832-05	2-Aug-95	31.01	687.96	
W-832-05	6-Sep-95	31.78	687.19	
W-832-05	5-Oct-95	32.28	686.69	
W-832-05	2-Nov-95	32.88	686.09	
W-832-05	5-Dec-95	33.22	685.75	
W-832-05	11-Jan-96	33.54	685.43	
W-832-05	2-Feb-96	29.27	689.7	
W-832-05	5-Mar-96	27.46	691.51	
W-832-05	4-Apr-96	28.12	690.85	
W-832-05	2-May-96	29.13	689.84	
W-832-05	5-Jun-96	30.24	688.73	
W-832-05	11-Jul-96	30.33	688.64	
W-832-05	7-Aug-96	31.67	687.3	
W-832-05	6-Sep-96	31.44	687.53	
W-832-05	11-Oct-96	29.69	689.28	NOM
W-832-05	7-Nov-96	28.66	690.31	
W-832-05	4-Dec-96	31.27	687.7	
W-832-05	7-Jan-97	31.07	687.9	
W-832-05	4-Feb-97	28.48	690.49	
W-832-05	5-Mar-97	28.93	690.04	
W-832-05	9-Apr-97	29.97	689.	
W-832-05	5-May-97	30.87	688.1	
W-832-05	4-Jun-97	31.41	687.56	
W-832-05	11-Jul-97	31.94	687.03	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-05	5-Aug-97	32.37	686.6	
W-832-05	5-Sep-97	26.07	692.9	
W-832-05	8-Oct-97	21.22	697.75	
W-832-05	6-Nov-97	22.21	696.76	
W-832-05	5-Dec-97	27.68	691.29	
W-832-05	9-Jan-98	28.9	690.07	
W-832-05	5-Feb-98	25.51	693.46	
W-832-05	4-Mar-98	23.66	695.31	
W-832-05	2-Apr-98	0.	0.	BROKEN CHRIS
W-832-05	4-May-98	0.	0.	BROKEN CHRIS
W-832-05	4-Jun-98	25.54	693.43	
W-832-05	16-Jul-98	26.68	692.29	
W-832-05	6-Aug-98	26.51	692.46	
W-832-05	3-Sep-98	27.77	691.2	
W-832-05	8-Oct-98	28.18	690.79	
W-832-05	19-Nov-98	30.22	688.75	
W-832-05	4-Dec-98	30.36	688.61	
W-832-05	7-Jan-99	30.3	688.67	
W-832-05	3-Feb-99	27.72	691.25	
W-832-05	8-Mar-99	28.69	690.28	
W-832-05	12-Apr-99	28.96	690.01	
W-832-05	5-May-99	29.37	689.6	
W-832-05	8-Jun-99	29.37	689.6	
W-832-05	7-Jul-99	30.14	688.83	
W-832-05	10-Aug-99	30.49	688.48	
W-832-05	10-Sep-99	0.	0.	NM
W-832-05	14-Oct-99	31.13	687.84	
W-832-05	8-Dec-99	31.81	687.16	
W-832-05	21-Dec-99	32.49	686.48	PS
W-832-05	14-Jan-00	32.23	686.74	
W-832-05	9-Feb-00	32.28	686.69	
W-832-05	15-Mar-00	29.15	689.82	
W-832-05	5-Apr-00	29.55	689.42	
W-832-05	3-May-00	29.84	689.13	
W-832-05	9-Jun-00	30.62	688.35	
W-832-05	21-Jun-00	30.35	688.62	PS
W-832-05	5-Jul-00	30.38	688.59	
W-832-05	2-Aug-00	30.54	688.43	
W-832-05	15-Aug-00	30.64	688.03	PS
W-832-05	6-Sep-00	30.98	687.99	
W-832-05	6-Sep-00	30.98	687.99	
W-832-05	3-Oct-00	28.56	690.41	
W-832-05	1-Nov-00	25.05	693.62	CB
W-832-05	21-Nov-00	25.47	693.2	ps
W-832-05	4-Dec-00	25.47	693.2	
W-832-05	10-Jan-01	28.32	690.35	MEASURED TWI
W-832-05	1-Feb-01	31.34	687.33	
W-832-05	13-Feb-01	31.34	687.33	PS
W-832-05	3-Mar-01	30.64	688.03	
W-832-05	6-Apr-01	27.73	690.94	CB
W-832-05	4-May-01	31.04	687.63	
W-832-05	24-May-01	31.37	687.3	PS
W-832-05	5-Jun-01	31.37	687.3	
W-832-05	9-Jul-01	31.77	686.9	CB

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-05	7-Aug-01	32.19	686.48	
W-832-05	14-Sep-01	32.51	686.16	
W-832-05	19-Sep-01	32.6	686.07	PS
W-832-05	8-Oct-01	32.79	685.88	CB
W-832-05	14-Nov-01	33.17	685.5	CB
W-832-05	6-Dec-01	32.84	685.83	CB
W-832-05	14-Dec-01	31.91	686.76	PS
W-832-05	7-Jan-02	31.47	687.2	CB
W-832-05	8-Feb-02	31.62	687.05	CB
W-832-05	8-Mar-02	0.	0.	CB/NM
W-832-05	18-Mar-02	31.6	687.07	PS
W-832-05	3-Apr-02	31.53	687.14	CB
W-832-05	2-May-02	31.96	686.71	CB
W-832-05	3-Jun-02	32.25	686.42	CB
W-832-05	19-Jul-02	32.63	686.04	CB
W-832-05	1-Aug-02	32.61	686.06	CB
W-832-05	4-Sep-02	29.72	688.95	CB
W-832-05	25-Sep-02	29.37	689.3	PS
W-832-05	1-Oct-02	30.34	688.33	CB
W-832-05	7-Jan-03	32.1	686.57	CB
W-832-05	6-Feb-03	32.06	686.61	CB
W-832-05	4-Mar-03	32.	686.67	CB
W-832-05	8-Apr-03	32.22	686.45	CB
W-832-05	10-Jul-03	32.83	685.84	CB
W-832-05	1-Oct-03	31.21	687.46	CB
W-832-05	7-Jan-04	32.82	685.85	CB
W-832-05	7-Apr-04	0.	0.	NM/CB
W-832-05	7-Jul-04	31.79	686.88	PLG IN CSG
W-832-05	5-Oct-04	30.65	688.02	NM/CB
W-832-05	7-Jan-05	31.46	687.21	CB
W-832-06	8-Mar-95	27.37	693.48	
W-832-06	31-Mar-95	25.44	695.41	
W-832-06	7-Apr-95	25.4	695.45	
W-832-06	19-Apr-95	25.67	695.18	
W-832-06	28-Apr-95	25.9	694.95	
W-832-06	8-May-95	26.15	694.7	
W-832-06	25-May-95	26.48	694.37	PS
W-832-06	2-Jun-95	26.74	694.11	
W-832-06	7-Jul-95	27.56	693.29	
W-832-06	2-Aug-95	28.07	692.78	
W-832-06	6-Sep-95	28.78	692.07	
W-832-06	5-Oct-95	28.92	691.93	
W-832-06	2-Nov-95	29.38	691.47	
W-832-06	5-Dec-95	29.62	691.23	
W-832-06	11-Jan-96	29.92	690.93	
W-832-06	2-Feb-96	29.49	691.36	
W-832-06	5-Mar-96	25.8	695.05	
W-832-06	4-Apr-96	25.87	694.98	
W-832-06	2-May-96	26.43	694.42	
W-832-06	5-Jun-96	27.05	693.8	
W-832-06	11-Jul-96	26.99	693.86	
W-832-06	7-Aug-96	28.18	692.67	
W-832-06	6-Sep-96	28.12	692.73	
W-832-06	11-Oct-96	28.86	691.99	NOM

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-06	7-Nov-96	27.3	693.55	
W-832-06	4-Dec-96	28.08	692.77	
W-832-06	7-Jan-97	27.54	693.31	
W-832-06	4-Feb-97	24.98	695.87	
W-832-06	5-Mar-97	25.83	695.02	
W-832-06	9-Apr-97	26.56	694.29	
W-832-06	5-May-97	27.26	693.59	
W-832-06	4-Jun-97	27.6	693.25	
W-832-06	11-Jul-97	27.91	692.94	
W-832-06	5-Aug-97	28.22	692.63	
W-832-06	5-Sep-97	27.55	693.3	
W-832-06	8-Oct-97	24.56	696.29	
W-832-06	6-Nov-97	22.57	698.28	
W-832-06	5-Dec-97	24.49	696.36	
W-832-06	9-Jan-98	25.75	695.1	
W-832-06	5-Feb-98	22.71	698.14	
W-832-06	4-Mar-98	21.08	699.77	
W-832-06	2-Apr-98	21.5	699.35	
W-832-06	4-May-98	21.61	699.24	
W-832-06	4-Jun-98	21.17	699.68	
W-832-06	16-Jul-98	21.88	698.97	
W-832-06	6-Aug-98	21.91	698.94	
W-832-06	3-Sep-98	22.03	698.82	
W-832-06	8-Oct-98	22.67	698.18	
W-832-06	19-Nov-98	23.34	697.51	
W-832-06	4-Dec-98	23.25	697.6	
W-832-06	7-Jan-99	23.41	697.44	
W-832-06	3-Feb-99	22.35	698.5	
W-832-06	8-Mar-99	22.82	698.03	
W-832-06	12-Apr-99	23.15	697.7	
W-832-06	5-May-99	23.34	697.51	
W-832-06	8-Jun-99	23.4	697.45	
W-832-06	7-Jul-99	23.75	697.1	
W-832-06	10-Aug-99	23.88	696.97	
W-832-06	10-Sep-99	0.	0.	NM
W-832-06	14-Oct-99	24.04	696.81	
W-832-06	8-Dec-99	24.43	696.42	
W-832-06	21-Dec-99	24.33	696.52	PS
W-832-06	14-Jan-00	24.35	696.5	
W-832-06	9-Feb-00	24.55	696.3	
W-832-06	18-Mar-00	24.	696.85	
W-832-06	4-Apr-00	24.05	696.8	
W-832-06	3-May-00	23.66	697.19	
W-832-06	9-Jun-00	24.27	696.58	
W-832-06	21-Jun-00	24.16	696.69	PS
W-832-06	5-Jul-00	24.17	696.68	
W-832-06	2-Aug-00	24.34	696.51	
W-832-06	7-Sep-00	24.48	696.37	
W-832-06	7-Sep-00	24.48	696.37	
W-832-06	3-Oct-00	23.36	697.49	
W-832-06	1-Nov-00	22.22	698.63	
W-832-06	4-Dec-00	23.47	697.38	
W-832-06	10-Jan-01	23.85	697.	
W-832-06	6-Feb-01	24.57	696.28	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-06	3-Mar-01	24.68	696.17	
W-832-06	6-Apr-01	24.57	696.28	
W-832-06	4-May-01	24.75	696.1	CB
W-832-06	18-May-01	24.67	696.18	PS
W-832-06	6-Jun-01	25.05	695.8	CB
W-832-06	9-Jul-01	25.13	695.72	
W-832-06	7-Aug-01	25.06	695.79	CB
W-832-06	14-Sep-01	25.31	695.54	CB
W-832-06	8-Oct-01	25.29	695.56	
W-832-06	14-Nov-01	25.47	695.38	
W-832-06	6-Dec-01	25.49	695.36	
W-832-06	7-Jan-02	25.24	695.61	
W-832-06	8-Feb-02	25.22	695.63	
W-832-06	8-Mar-02	0.	0.	NM
W-832-06	3-Apr-02	24.99	695.86	
W-832-06	2-May-02	25.29	695.56	
W-832-06	4-Jun-02	25.63	695.22	
W-832-06	19-Jul-02	24.29	696.56	
W-832-06	1-Aug-02	25.44	695.41	
W-832-06	4-Sep-02	24.32	696.53	
W-832-06	1-Oct-02	24.64	696.21	
W-832-06	7-Jan-03	25.44	695.41	
W-832-06	6-Feb-03	25.16	695.69	
W-832-06	4-Mar-03	25.15	695.7	
W-832-06	8-Apr-03	25.46	695.39	
W-832-06	10-Jul-03	24.83	696.02	
W-832-06	1-Oct-03	25.24	695.61	
W-832-06	7-Jan-04	25.79	695.06	
W-832-06	7-Apr-04	25.28	695.57	
W-832-06	7-Jul-04	0.	720.85	NO ACCESS
W-832-06	5-Oct-04	24.95	695.9	NM
W-832-06	7-Jan-05	24.87	695.98	
W-832-09	10-Mar-95	89.5	617.72	
W-832-09	31-Mar-95	89.84	617.38	
W-832-09	7-Apr-95	89.78	617.44	
W-832-09	19-Apr-95	89.84	617.38	
W-832-09	28-Apr-95	89.9	617.32	
W-832-09	8-May-95	89.88	617.34	
W-832-09	19-May-95	89.88	617.34	PS
W-832-09	2-Jun-95	89.93	617.29	
W-832-09	7-Jul-95	90.14	617.08	
W-832-09	2-Aug-95	90.18	617.04	
W-832-09	6-Sep-95	90.5	616.72	
W-832-09	5-Oct-95	90.45	616.77	
W-832-09	2-Nov-95	90.57	616.65	
W-832-09	5-Dec-95	90.39	616.83	
W-832-09	11-Jan-96	90.4	616.82	
W-832-09	2-Feb-96	90.25	616.97	
W-832-09	5-Mar-96	90.09	617.13	
W-832-09	4-Apr-96	90.05	617.17	
W-832-09	2-May-96	89.76	617.46	
W-832-09	5-Jun-96	89.68	617.54	
W-832-09	11-Jul-96	89.98	617.24	
W-832-09	7-Aug-96	90.18	617.04	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-09	6-Sep-96	90.19	617.03	
W-832-09	11-Oct-96	90.22	617.	NOM
W-832-09	7-Nov-96	90.23	616.99	
W-832-09	4-Dec-96	89.71	617.51	
W-832-09	7-Jan-97	89.66	617.56	
W-832-09	4-Feb-97	89.18	618.04	
W-832-09	5-Mar-97	89.08	618.14	
W-832-09	9-Apr-97	88.79	618.43	
W-832-09	5-May-97	88.96	618.26	
W-832-09	4-Jun-97	88.92	618.3	
W-832-09	11-Jul-97	89.08	618.14	
W-832-09	5-Aug-97	89.42	617.8	
W-832-09	5-Sep-97	89.15	618.07	
W-832-09	8-Oct-97	89.28	617.94	
W-832-09	6-Nov-97	88.91	618.31	
W-832-09	5-Dec-97	88.51	618.71	
W-832-09	9-Jan-98	88.15	619.07	
W-832-09	5-Feb-98	88.38	618.84	
W-832-09	4-Mar-98	87.9	619.32	
W-832-09	2-Apr-98	87.94	619.28	
W-832-09	4-May-98	87.31	619.91	
W-832-09	4-Jun-98	86.88	620.34	
W-832-09	16-Jul-98	86.55	620.67	
W-832-09	6-Aug-98	86.3	620.92	
W-832-09	3-Sep-98	85.84	621.38	
W-832-09	8-Oct-98	85.63	621.59	
W-832-09	19-Nov-98	84.79	622.43	
W-832-09	4-Dec-98	84.32	622.9	
W-832-09	7-Jan-99	83.45	623.77	
W-832-09	3-Feb-99	82.83	624.39	
W-832-09	8-Mar-99	82.12	625.1	
W-832-09	12-Apr-99	81.52	625.7	
W-832-09	5-May-99	81.21	626.01	
W-832-09	8-Jun-99	80.63	626.59	
W-832-09	7-Jul-99	80.52	626.7	
W-832-09	10-Aug-99	79.9	627.32	
W-832-09	10-Sep-99	0.	0.	NM
W-832-09	11-Oct-99	79.	628.22	
W-832-09	10-Dec-99	78.48	628.74	
W-832-09	14-Jan-00	77.53	629.69	
W-832-09	9-Feb-00	77.36	629.86	
W-832-09	18-Mar-00	77.3	629.92	
W-832-09	4-Apr-00	77.05	630.17	
W-832-09	3-May-00	76.41	630.81	
W-832-09	9-Jun-00	76.22	631.	
W-832-09	21-Jun-00	75.92	631.3	PS
W-832-09	5-Jul-00	75.95	631.27	
W-832-09	31-Jul-00	75.74	631.48	PS
W-832-09	1-Aug-00	76.42	630.8	
W-832-09	6-Sep-00	75.74	631.48	
W-832-09	6-Sep-00	75.74	631.48	
W-832-09	2-Oct-00	75.61	631.61	
W-832-09	1-Nov-00	75.77	631.45	
W-832-09	20-Nov-00	75.37	631.85	ps

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-09	4-Dec-00	75.37	631.85	
W-832-09	11-Jan-01	74.21	633.01	
W-832-09	6-Feb-01	74.	633.22	
W-832-09	2-Mar-01	73.82	633.4	
W-832-09	13-Mar-01	74.18	633.04	PS
W-832-09	5-Apr-01	73.69	633.53	
W-832-09	4-May-01	73.48	633.74	
W-832-09	15-May-01	73.61	633.61	PS
W-832-09	6-Jun-01	73.74	633.48	
W-832-09	6-Jul-01	73.54	633.68	
W-832-09	7-Aug-01	73.55	633.67	
W-832-09	10-Sep-01	73.51	633.71	
W-832-09	19-Sep-01	73.54	633.68	PS
W-832-09	8-Oct-01	73.54	633.68	
W-832-09	14-Nov-01	73.46	633.76	
W-832-09	6-Dec-01	73.52	633.7	
W-832-09	13-Dec-01	73.36	633.86	PS
W-832-09	7-Jan-02	73.09	634.13	
W-832-09	8-Feb-02	73.07	634.15	
W-832-09	8-Mar-02	0.	0.	NM
W-832-09	22-Mar-02	72.46	634.76	PS
W-832-09	3-Apr-02	72.55	634.67	
W-832-09	2-May-02	72.64	634.58	
W-832-09	3-Jun-02	72.65	634.57	
W-832-09	18-Jul-02	72.82	634.4	
W-832-09	1-Aug-02	72.76	634.46	
W-832-09	4-Sep-02	72.97	634.25	
W-832-09	1-Oct-02	73.03	634.19	
W-832-09	7-Jan-03	72.74	634.48	
W-832-09	5-Feb-03	72.49	634.73	
W-832-09	4-Mar-03	72.35	634.87	
W-832-09	7-Apr-03	72.47	634.75	
W-832-09	9-Jul-03	72.31	634.91	
W-832-09	1-Oct-03	72.66	634.56	
W-832-09	7-Jan-04	72.48	634.74	
W-832-09	7-Apr-04	72.45	634.77	
W-832-09	6-Jul-04	72.57	634.65	
W-832-09	5-Oct-04	73.04	634.18	
W-832-09	13-Jan-05	73.13	634.09	
W-832-10	10-Aug-99	28.71	656.65	
W-832-10	15-Sep-99	28.74	656.61	
W-832-10	14-Oct-99	28.93	656.42	CASING 1'
W-832-10	15-Dec-99	29.35	656.	
W-832-10	20-Dec-99	29.13	656.22	PS
W-832-10	14-Jan-00	29.4	655.95	
W-832-10	29-Feb-00	0.	0.	NA
W-832-10	20-Mar-00	28.35	657.	
W-832-10	4-Apr-00	28.32	657.03	
W-832-10	5-May-00	27.33	658.02	
W-832-10	9-Jun-00	28.65	656.7	
W-832-10	21-Jun-00	28.65	656.7	PS
W-832-10	11-Jul-00	28.65	656.7	
W-832-10	1-Aug-00	28.98	656.37	
W-832-10	15-Aug-00	28.98	656.37	PS

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-10	5-Sep-00	29.	656.35	
W-832-10	3-Oct-00	28.99	656.36	
W-832-10	1-Nov-00	28.1	657.25	
W-832-10	20-Nov-00	26.98	658.37	ps
W-832-10	4-Dec-00	26.98	658.37	
W-832-10	16-Jan-01	27.63	657.72	
W-832-10	6-Feb-01	27.69	657.66	
W-832-10	15-Feb-01	28.38	656.97	PS
W-832-10	9-Mar-01	28.79	656.56	
W-832-10	10-Apr-01	28.81	656.54	
W-832-10	4-May-01	29.87	656.28	
W-832-10	22-May-01	29.91	656.24	PS
W-832-10	6-Jun-01	29.98	656.17	
W-832-10	6-Jul-01	30.23	655.92	
W-832-10	6-Aug-01	30.29	655.86	
W-832-10	14-Sep-01	30.54	655.61	
W-832-10	20-Sep-01	30.56	655.59	PS
W-832-10	8-Oct-01	30.56	655.59	
W-832-10	14-Nov-01	30.6	655.55	
W-832-10	11-Dec-01	30.72	655.43	PS
W-832-10	14-Jan-02	29.95	656.2	
W-832-10	12-Feb-02	30.21	655.94	
W-832-10	12-Mar-02	0.	0.	NM
W-832-10	3-Apr-02	30.12	656.03	
W-832-10	2-May-02	30.41	655.74	
W-832-10	4-Jun-02	30.7	655.45	
W-832-10	18-Jul-02	30.63	655.52	
W-832-10	7-Aug-02	30.85	655.3	
W-832-10	5-Sep-02	30.59	655.56	
W-832-10	26-Sep-02	30.16	655.99	PS
W-832-10	2-Oct-02	30.1	656.05	
W-832-10	7-Jan-03	29.73	656.42	
W-832-10	5-Feb-03	29.28	656.87	
W-832-10	4-Mar-03	29.74	656.41	
W-832-10	7-Apr-03	30.2	655.95	
W-832-10	9-Jul-03	30.82	655.33	
W-832-10	9-Oct-03	30.85	655.3	
W-832-10	12-Jan-04	30.51	655.64	
W-832-10	7-Apr-04	30.58	655.57	
W-832-10	6-Jul-04	31.06	655.09	
W-832-10	5-Oct-04	30.81	655.34	
W-832-10	25-Jan-05	30.34	655.81	
W-832-11	16-Jul-98	25.95	672.7	
W-832-11	8-Oct-98	26.11	672.54	
W-832-11	7-Jan-99	28.73	669.92	
W-832-11	12-Apr-99	27.86	670.79	
W-832-11	7-Jul-99	28.61	670.04	
W-832-11	10-Aug-99	28.84	669.81	
W-832-11	15-Sep-99	28.81	669.84	
W-832-11	14-Oct-99	27.66	670.99	CASING 29
W-832-11	15-Dec-99	30.	668.65	
W-832-11	20-Dec-99	29.83	668.82	PS
W-832-11	14-Jan-00	30.27	668.38	
W-832-11	29-Feb-00	0.	0.	NA

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-11	20-Mar-00	28.6	670.48	
W-832-11	4-Apr-00	28.48	670.6	
W-832-11	5-May-00	26.86	672.22	
W-832-11	9-Jun-00	28.94	670.14	
W-832-11	21-Jun-00	28.84	670.24	PS
W-832-11	11-Jul-00	29.11	669.97	
W-832-11	1-Aug-00	29.14	669.94	
W-832-11	15-Aug-00	29.35	669.73	PS
W-832-11	5-Sep-00	29.36	669.72	
W-832-11	3-Oct-00	28.89	670.19	
W-832-11	1-Nov-00	26.45	672.63	
W-832-11	17-Nov-00	24.72	674.36	ps
W-832-11	4-Dec-00	24.72	674.36	
W-832-11	16-Jan-01	27.52	671.56	MEASURED TWI
W-832-11	6-Feb-01	27.5	671.58	
W-832-11	15-Feb-01	28.82	670.26	PS
W-832-11	9-Mar-01	29.09	669.99	
W-832-11	10-Apr-01	28.95	670.13	
W-832-11	4-May-01	28.61	669.68	
W-832-11	22-May-01	28.83	669.46	PS
W-832-11	6-Jun-01	28.9	669.39	
W-832-11	6-Jul-01	29.39	668.9	
W-832-11	6-Aug-01	29.71	668.58	
W-832-11	14-Sep-01	30.1	668.19	
W-832-11	20-Sep-01	30.2	668.09	PS
W-832-11	8-Oct-01	30.09	668.2	
W-832-11	14-Nov-01	30.12	668.17	
W-832-11	11-Dec-01	30.49	667.8	PS
W-832-11	14-Jan-02	29.71	668.58	
W-832-11	12-Feb-02	29.67	668.62	
W-832-11	12-Mar-02	0.	0.	NM
W-832-11	3-Apr-02	29.75	668.54	
W-832-11	2-May-02	29.93	668.36	
W-832-11	4-Jun-02	30.2	668.09	
W-832-11	18-Jul-02	30.38	667.91	
W-832-11	7-Aug-02	30.78	667.51	
W-832-11	5-Sep-02	29.5	668.79	
W-832-11	26-Sep-02	28.61	669.68	PS
W-832-11	2-Oct-02	28.49	669.8	
W-832-11	7-Jan-03	29.63	668.66	
W-832-11	5-Feb-03	29.81	668.48	
W-832-11	4-Mar-03	29.88	668.41	
W-832-11	7-Apr-03	30.08	668.21	
W-832-11	9-Jul-03	30.64	668.01	
W-832-11	9-Oct-03	30.18	668.47	
W-832-11	12-Jan-04	31.21	667.44	
W-832-11	7-Apr-04	30.41	668.24	
W-832-11	6-Jul-04	30.88	667.77	
W-832-11	5-Oct-04	30.08	668.57	
W-832-11	25-Jan-05	30.55	668.1	
W-832-12	9-Jun-00	24.93	696.08	
W-832-12	2-Aug-00	16.74	704.27	
W-832-12	6-Sep-00	17.66	703.35	
W-832-12	6-Sep-00	17.66	703.35	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-12	25-Sep-00	18.7	702.77	PS
W-832-12	2-Oct-00	18.7	702.31	CB
W-832-12	1-Nov-00	25.01	696.46	CB/VE
W-832-12	4-Dec-00	23.88	697.59	CB/VE
W-832-12	5-Dec-00	23.88	697.59	ps
W-832-12	11-Jan-01	20.04	701.43	CB/VE
W-832-12	6-Feb-01	25.41	696.06	CB/VE
W-832-12	3-Mar-01	24.89	696.58	CB/VE
W-832-12	7-Mar-01	24.89	696.58	PS
W-832-12	6-Apr-01	24.92	696.55	CB
W-832-12	7-May-01	22.24	699.23	CB
W-832-12	6-Jun-01	24.91	696.56	CB
W-832-12	27-Jun-01	24.26	697.21	PS
W-832-12	9-Jul-01	24.96	696.51	CB
W-832-12	9-Aug-01	24.78	696.69	CB
W-832-12	14-Sep-01	24.89	696.58	CB
W-832-12	25-Sep-01	24.86	696.61	PS
W-832-12	9-Oct-01	24.9	696.57	CB
W-832-12	14-Nov-01	25.01	696.46	CB
W-832-12	6-Dec-01	24.88	696.59	CB
W-832-12	8-Jan-02	24.67	696.8	CB
W-832-12	12-Feb-02	19.42	702.05	CB
W-832-12	12-Mar-02	0.	0.	CB/NM
W-832-12	3-Apr-02	24.95	696.52	CB
W-832-12	2-May-02	24.98	696.49	CB
W-832-12	4-Jun-02	24.95	696.52	CB
W-832-12	19-Jul-02	24.67	696.8	CB
W-832-12	2-Aug-02	26.04	695.43	CB
W-832-12	4-Sep-02	25.02	696.45	CB
W-832-12	1-Oct-02	24.98	696.49	CB
W-832-12	25-Nov-02	0.	696.49	ps
W-832-12	7-Jan-03	24.88	696.59	CB
W-832-12	6-Feb-03	24.88	696.59	CB
W-832-12	4-Mar-03	25.	696.47	CB
W-832-12	8-Apr-03	24.91	696.56	CB
W-832-12	10-Jul-03	23.48	697.99	CB
W-832-12	3-Oct-03	25.1	696.37	CB
W-832-12	7-Jan-04	24.84	696.63	CB
W-832-12	7-Apr-04	24.	697.47	CB
W-832-12	8-Jul-04	19.41	702.06	CB
W-832-12	6-Oct-04	24.95	696.52	CB
W-832-12	10-Jan-05	24.39	697.08	CB
W-832-13	9-Jun-00	21.79	700.87	
W-832-13	2-Aug-00	17.44	705.22	
W-832-13	7-Sep-00	18.57	704.09	
W-832-13	7-Sep-00	18.57	704.09	
W-832-13	3-Oct-00	21.47	701.19	CB
W-832-13	1-Nov-00	21.25	701.41	CB/VE
W-832-13	4-Dec-00	21.61	701.05	CB/VE
W-832-13	11-Jan-01	20.47	702.19	CB/VE
W-832-13	6-Feb-01	23.04	699.62	CB/VE
W-832-13	3-Mar-01	21.76	700.9	CB/VE
W-832-13	7-Mar-01	21.76	700.9	PS
W-832-13	6-Apr-01	0.	0.	DRY/CB

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-13	7-May-01	20.22	702.44	CB
W-832-13	6-Jun-01	21.83	700.83	CB
W-832-13	27-Jun-01	21.94	700.72	PS
W-832-13	9-Jul-01	21.68	700.98	CB
W-832-13	9-Aug-01	21.53	701.13	CB
W-832-13	14-Sep-01	21.59	701.07	CB
W-832-13	25-Sep-01	21.6	701.06	PS
W-832-13	9-Oct-01	21.63	701.03	CB
W-832-13	14-Nov-01	21.69	700.97	CB
W-832-13	6-Dec-01	21.71	700.95	CB
W-832-13	8-Jan-02	20.91	701.75	CB
W-832-13	12-Feb-02	19.41	703.25	CB
W-832-13	12-Mar-02	0.	0.	CB/NM
W-832-13	3-Apr-02	21.39	701.27	CB
W-832-13	2-May-02	22.49	700.17	CB
W-832-13	4-Jun-02	21.1	701.56	CB
W-832-13	19-Jul-02	0.	0.	NM/CONSTRUCT
W-832-13	2-Aug-02	21.59	701.07	CB
W-832-13	4-Sep-02	21.53	701.13	CB
W-832-13	1-Oct-02	21.62	701.04	CB
W-832-13	7-Jan-03	21.79	700.87	CB
W-832-13	6-Feb-03	21.1	701.56	CB
W-832-13	4-Mar-03	21.86	700.8	CB
W-832-13	8-Apr-03	21.88	700.78	CB
W-832-13	10-Jul-03	22.26	700.4	CB
W-832-13	1-Oct-03	0.	0.	DRY/CB
W-832-13	7-Jan-04	20.38	702.28	CB
W-832-13	7-Apr-04	20.95	701.71	CB
W-832-13	8-Jul-04	20.23	702.43	CB
W-832-13	6-Oct-04	21.76	700.9	CB
W-832-13	10-Jan-05	0.	0.	DRY/CB
W-832-14	9-Jun-00	23.81	697.36	
W-832-14	2-Aug-00	22.43	698.74	
W-832-14	6-Sep-00	23.13	698.04	
W-832-14	6-Sep-00	23.13	698.04	
W-832-14	3-Oct-00	23.64	697.53	CB
W-832-14	1-Nov-00	24.	697.17	CB/VE
W-832-14	4-Dec-00	23.92	697.25	CB/VE
W-832-14	10-Jan-01	24.	697.17	CB/VE
W-832-14	6-Feb-01	24.16	697.01	CB/VE
W-832-14	3-Mar-01	24.8	696.37	CB/VE
W-832-14	6-Apr-01	23.74	697.43	CB
W-832-14	7-May-01	23.79	697.38	CB
W-832-14	6-Jun-01	0.	0.	DRY/CB/VE
W-832-14	9-Jul-01	0.	0.	DRY/CB/VE
W-832-14	9-Aug-01	0.	0.	DRY/CB/VE
W-832-14	14-Sep-01	0.	0.	DRY/CB/VE
W-832-14	9-Oct-01	0.	0.	DRY/CB/VE
W-832-14	14-Nov-01	0.	0.	DRY/CB/VE
W-832-14	6-Dec-01	0.	0.	DRY/CB/VE
W-832-14	8-Jan-02	0.	0.	DRY/CB/VE
W-832-14	8-Feb-02	24.69	696.48	CB/VE
W-832-14	8-Mar-02	0.	0.	CB/NM
W-832-14	3-Apr-02	25.28	695.89	CB

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-14	2-May-02	25.32	695.85	CB
W-832-14	4-Jun-02	25.36	695.81	CB
W-832-14	19-Jul-02	0.	0.	DRY
W-832-14	2-Aug-02	0.	0.	DRY/CB
W-832-14	4-Sep-02	0.	0.	CB/DRY
W-832-14	1-Oct-02	0.	0.	DRY
W-832-14	7-Jan-03	0.	0.	DRY
W-832-14	6-Feb-03	24.33	696.84	
W-832-14	4-Mar-03	24.52	696.65	CB
W-832-14	8-Apr-03	24.67	696.5	
W-832-14	10-Jul-03	25.31	695.86	
W-832-14	1-Oct-03	25.4	695.77	
W-832-14	7-Jan-04	24.34	696.83	
W-832-14	7-Apr-04	23.88	697.29	
W-832-14	8-Jul-04	24.23	696.94	
W-832-14	6-Oct-04	0.	0.	DRY
W-832-14	10-Jan-05	0.	0.	DRY
W-832-15	9-Jun-00	23.02	697.86	
W-832-15	2-Aug-00	17.49	703.39	
W-832-15	7-Sep-00	18.47	702.41	
W-832-15	7-Sep-00	18.47	702.41	
W-832-15	25-Sep-00	19.15	701.73	PS
W-832-15	2-Oct-00	19.15	701.73	CB
W-832-15	1-Nov-00	0.	0.	DRY/CB/VE
W-832-15	4-Dec-00	0.	0.	DRY/CB/VE
W-832-15	11-Jan-01	20.19	700.69	CB/VE
W-832-15	6-Feb-01	0.	0.	DRY/CB/VE
W-832-15	3-Mar-01	23.32	697.56	DRY/CB/VE
W-832-15	7-Mar-01	23.32	697.56	PS
W-832-15	6-Apr-01	0.	0.	DRY/CB
W-832-15	7-May-01	19.29	701.59	CB
W-832-15	6-Jun-01	23.27	697.61	CB
W-832-15	27-Jun-01	23.3	697.58	PS
W-832-15	9-Jul-01	23.36	697.52	CB
W-832-15	9-Aug-01	0.	0.	CB/DRY
W-832-15	14-Sep-01	0.	0.	CB/DRY
W-832-15	25-Sep-01	23.14	697.74	PS
W-832-15	9-Oct-01	0.	0.	DRY/CB
W-832-15	14-Nov-01	23.21	697.67	
W-832-15	6-Dec-01	24.21	696.67	
W-832-15	8-Jan-02	23.14	697.74	CB
W-832-15	12-Feb-02	19.19	701.69	CB
W-832-15	12-Mar-02	0.	0.	CB/NM
W-832-15	3-Apr-02	23.21	697.67	CB
W-832-15	2-May-02	23.21	697.67	CB
W-832-15	4-Jun-02	23.26	697.62	CB
W-832-15	19-Jul-02	22.62	698.26	CB
W-832-15	2-Aug-02	22.73	698.15	CB
W-832-15	4-Sep-02	23.24	697.64	CB
W-832-15	1-Oct-02	23.16	697.72	CB
W-832-15	7-Jan-03	22.07	698.81	CB
W-832-15	6-Feb-03	23.12	697.76	CB
W-832-15	4-Mar-03	22.87	698.01	CB
W-832-15	8-Apr-03	23.13	697.75	CB

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-15	10-Jul-03	20.71	700.17	CB
W-832-15	1-Oct-03	22.63	698.25	CB
W-832-15	7-Jan-04	22.71	698.17	CB
W-832-15	7-Apr-04	23.05	697.83	CB
W-832-15	8-Jul-04	20.21	700.67	CB
W-832-15	6-Oct-04	0.	0.	DRY/CB
W-832-15	10-Jan-05	23.59	697.29	CB
W-832-16	9-Jun-00	0.	0.	DRY
W-832-16	2-Aug-00	0.	0.	DRY
W-832-16	6-Sep-00	17.44	703.3	
W-832-16	6-Sep-00	17.44	703.3	
W-832-16	3-Oct-00	17.65	703.09	CB
W-832-16	1-Nov-00	0.	0.	DRY/CB/VE
W-832-16	4-Dec-00	0.	0.	DRY/CB/VE
W-832-16	10-Jan-01	17.06	703.68	CB/VE
W-832-16	6-Feb-01	18.12	702.62	CB/VE
W-832-16	3-Mar-01	17.31	703.43	CB/VE
W-832-16	6-Apr-01	17.35	703.39	CB
W-832-16	7-May-01	17.27	703.47	CB
W-832-16	6-Jun-01	0.	0.	DRY/CB
W-832-16	9-Jul-01	0.	0.	DRY/CB
W-832-16	9-Aug-01	17.33	703.41	CB
W-832-16	14-Sep-01	0.	0.	CB/DRY
W-832-16	9-Oct-01	0.	0.	DRY/CB
W-832-16	14-Nov-01	0.	0.	CB/PROBE STU
W-832-16	6-Dec-01	0.	0.	CB/PROBE STU
W-832-16	8-Jan-02	0.	0.	NM/CB
W-832-16	12-Feb-02	0.	0.	NM/CB
W-832-16	12-Mar-02	0.	0.	NM/CB
W-832-16	3-Apr-02	0.	0.	NM/UL PROBE
W-832-16	2-May-02	0.	0.	NM/UL PROBE
W-832-16	4-Jun-02	0.	0.	DRY/CB
W-832-16	19-Jul-02	0.	0.	DRY/CONSTRUC
W-832-16	2-Aug-02	0.	0.	DRY
W-832-16	4-Sep-02	0.	0.	DRY/CB
W-832-16	1-Oct-02	19.21	701.53	CB
W-832-16	7-Jan-03	17.73	703.01	CB
W-832-16	6-Feb-03	17.72	703.02	CB
W-832-16	4-Mar-03	17.51	703.23	CB
W-832-16	8-Apr-03	17.65	703.09	CB
W-832-16	10-Jul-03	18.5	702.24	CB/MUD
W-832-16	3-Oct-03	17.9	702.84	CB/MUD
W-832-16	7-Jan-04	17.36	703.38	CB
W-832-16	7-Apr-04	0.	0.	NM/CB
W-832-16	8-Jul-04	0.	0.	DRY/CB
W-832-16	6-Oct-04	17.46	703.28	CB
W-832-16	10-Jan-05	17.46	703.28	CB
W-832-17	9-Jun-00	0.	0.	NA
W-832-17	2-Aug-00	0.	0.	NM
W-832-17	7-Sep-00	0.	0.	NM
W-832-17	7-Sep-00	0.	0.	NM
W-832-17	3-Oct-00	0.	0.	NM/CB
W-832-17	1-Nov-00	0.	0.	NM/CB/VE
W-832-17	4-Dec-00	0.	0.	NM/CB/VE

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-17	11-Jan-01	0.	0.	NA/CB/VE
W-832-17	6-Feb-01	18.18	703.82	CB/VE
W-832-17	3-Mar-01	18.26	703.74	CB/VE
W-832-17	6-Apr-01	17.52	704.48	CB
W-832-17	7-May-01	17.68	704.32	CB
W-832-17	6-Jun-01	18.43	703.57	CB
W-832-17	9-Jul-01	0.	0.	DRY/CB
W-832-17	9-Aug-01	0.	0.	CB/DRY
W-832-17	14-Sep-01	0.	0.	CB/DRY
W-832-17	9-Oct-01	0.	0.	DRY/CB
W-832-17	14-Nov-01	0.	0.	DRY/CB
W-832-17	6-Dec-01	0.	0.	DRY/CB
W-832-17	8-Jan-02	0.	0.	DRY/CB
W-832-17	12-Feb-02	0.	0.	DRY/CB
W-832-17	12-Mar-02	0.	0.	CB/NM
W-832-17	3-Apr-02	0.	0.	DRY/CB
W-832-17	2-May-02	0.	0.	DRY/CB
W-832-17	4-Jun-02	0.	0.	DRY/CB
W-832-17	19-Jul-02	0.	0.	NM/CB
W-832-17	2-Aug-02	0.	0.	DRY/CB
W-832-17	4-Sep-02	0.	0.	DRY/CB
W-832-17	1-Oct-02	0.	0.	DRY/CB
W-832-17	7-Jan-03	0.	0.	DRY/CB
W-832-17	6-Feb-03	18.45	703.55	CB
W-832-17	4-Mar-03	18.55	703.45	CB
W-832-17	8-Apr-03	0.	0.	DRY/CB
W-832-17	1-Jul-03	0.	0.	DRY/CB
W-832-17	9-Oct-03	0.	0.	DRY/CB
W-832-17	7-Jan-04	0.	0.	DRY/CB
W-832-17	7-Apr-04	0.	0.	DRY/CB
W-832-17	8-Jul-04	0.	0.	DRY/CB
W-832-17	6-Oct-04	0.	0.	DRY/CB
W-832-17	10-Jan-05	0.	0.	DRY/CB
W-832-18	9-Jun-00	24.39	696.81	
W-832-18	3-Oct-00	24.51	696.69	CB
W-832-18	10-Jan-01	24.45	696.75	CB
W-832-18	6-Apr-01	0.	0.	DRY/CB
W-832-18	9-Jul-01	24.47	696.73	CB
W-832-18	9-Oct-01	0.	0.	DRY/CB
W-832-18	8-Jan-02	25.07	696.13	CB
W-832-18	3-Apr-02	24.42	696.78	CB
W-832-18	19-Jul-02	21.97	699.23	CB
W-832-18	1-Oct-02	24.75	696.45	CB
W-832-18	7-Jan-03	22.42	698.78	CB
W-832-18	8-Apr-03	24.51	696.69	
W-832-18	10-Jul-03	24.85	696.35	
W-832-18	1-Oct-03	24.39	696.81	
W-832-18	7-Jan-04	0.	0.	DRY
W-832-18	7-Apr-04	0.	0.	DRY
W-832-18	8-Jul-04	0.	0.	DRY
W-832-18	6-Oct-04	0.	0.	DRY
W-832-18	10-Jan-05	0.	0.	DRY
W-832-19	21-Dec-99	23.83	696.19	PS
W-832-19	9-Jun-00	22.72	697.3	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-19	22-Jun-00	21.88	698.14	PS
W-832-19	2-Aug-00	22.12	697.9	
W-832-19	15-Aug-00	22.31	697.71	PS
W-832-19	6-Sep-00	22.65	697.37	
W-832-19	6-Sep-00	22.65	697.37	
W-832-19	3-Oct-00	23.04	696.98	CB
W-832-19	1-Nov-00	22.6	697.42	CB
W-832-19	21-Nov-00	22.42	697.6	ps
W-832-19	4-Dec-00	22.42	697.6	CB
W-832-19	10-Jan-01	23.68	696.34	CB
W-832-19	6-Feb-01	24.05	695.97	CB
W-832-19	13-Feb-01	24.08	695.94	PS
W-832-19	3-Mar-01	24.23	695.79	CB
W-832-19	6-Apr-01	23.29	696.73	CB
W-832-19	7-May-01	23.41	696.61	CB
W-832-19	22-May-01	23.58	696.44	PS
W-832-19	6-Jun-01	23.88	696.14	CB
W-832-19	9-Jul-01	23.89	696.13	CB
W-832-19	9-Aug-01	23.92	696.1	CB
W-832-19	14-Sep-01	24.03	695.99	CB
W-832-19	20-Sep-01	24.05	695.97	PS
W-832-19	9-Oct-01	24.37	695.65	CB
W-832-19	14-Nov-01	24.51	695.51	CB
W-832-19	6-Dec-01	24.42	695.6	CB
W-832-19	18-Dec-01	24.51	695.51	PS
W-832-19	8-Jan-02	24.51	695.51	CB
W-832-19	8-Feb-02	24.12	695.9	CB
W-832-19	8-Mar-02	0.	0.	CB/NM
W-832-19	18-Mar-02	23.99	696.03	PS
W-832-19	3-Apr-02	23.86	696.16	CB
W-832-19	2-May-02	24.06	695.96	CB
W-832-19	4-Jun-02	24.15	695.87	CB
W-832-19	19-Jul-02	24.23	695.79	CB
W-832-19	2-Aug-02	24.32	695.7	CB
W-832-19	4-Sep-02	24.39	695.63	CB
W-832-19	26-Sep-02	24.41	695.61	PS
W-832-19	1-Oct-02	24.52	695.5	CB
W-832-19	7-Jan-03	0.	0.	DRY/CB
W-832-19	6-Feb-03	23.75	696.27	CB
W-832-19	4-Mar-03	23.96	696.06	CB
W-832-19	8-Apr-03	24.04	695.98	CB
W-832-19	10-Jul-03	24.58	695.44	CB
W-832-19	1-Oct-03	0.	0.	DRY/CB
W-832-19	7-Jan-04	0.	0.	DRY/CB
W-832-19	7-Apr-04	23.9	696.12	CB
W-832-19	7-Jul-04	0.	0.	DRY/CB
W-832-19	5-Oct-04	0.	0.	DRY/CB
W-832-19	10-Jan-05	0.	0.	DRY/CB
W-832-20	9-Jun-00	18.33	702.56	
W-832-20	1-Aug-00	23.	697.89	
W-832-20	6-Sep-00	23.53	697.36	
W-832-20	6-Sep-00	23.53	697.36	
W-832-20	3-Oct-00	23.78	697.11	CB
W-832-20	1-Nov-00	21.72	699.17	CB

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-20	4-Dec-00	23.23	697.66	CB
W-832-20	10-Jan-01	23.44	697.45	CB
W-832-20	6-Feb-01	23.78	697.11	CB
W-832-20	3-Mar-01	24.36	696.53	CB
W-832-20	6-Apr-01	23.57	697.32	CB
W-832-20	7-May-01	23.12	697.77	CB
W-832-20	6-Jun-01	22.34	698.55	CB
W-832-20	9-Jul-01	23.59	697.3	CB
W-832-20	9-Aug-01	23.82	697.07	CB
W-832-20	14-Sep-01	24.56	696.33	CB
W-832-20	9-Oct-01	0.	0.	DRY/CB
W-832-20	14-Nov-01	0.	0.	DRY/CB
W-832-20	6-Dec-01	0.	0.	DRY/CB
W-832-20	8-Jan-02	24.82	696.07	CB
W-832-20	8-Feb-02	22.97	697.92	CB
W-832-20	8-Mar-02	0.	0.	CB/NM
W-832-20	3-Apr-02	22.95	697.94	CB
W-832-20	2-May-02	23.54	697.35	CB
W-832-20	4-Jun-02	24.	696.89	CB
W-832-20	19-Jul-02	23.62	697.27	CB
W-832-20	2-Aug-02	23.81	697.08	CB
W-832-20	4-Sep-02	24.22	696.67	CB
W-832-20	1-Oct-02	23.97	696.92	CB
W-832-20	7-Jan-03	0.	0.	DRY/CB
W-832-20	6-Feb-03	0.	0.	DRY/CB
W-832-20	4-Mar-03	0.	0.	CB/DRY
W-832-20	8-Apr-03	0.	0.	DRY/CB
W-832-20	1-Jul-03	0.	0.	DRY/CB
W-832-20	1-Oct-03	0.	0.	DRY/CB
W-832-20	7-Jan-04	0.	0.	DRY/CB
W-832-20	7-Apr-04	0.	0.	DRY/CB
W-832-20	8-Jul-04	0.	0.	DRY/CB
W-832-20	6-Oct-04	0.	0.	DRY/CB
W-832-20	10-Jan-05	0.	0.	DRY/CB
W-832-21	9-Jun-00	0.	0.	DRY
W-832-21	3-Oct-00	0.	0.	DRY
W-832-21	11-Jan-01	0.	0.	DRY
W-832-21	6-Apr-01	0.	0.	DRY
W-832-21	9-Jul-01	0.	0.	DRY
W-832-21	9-Oct-01	0.	0.	DRY
W-832-21	8-Jan-02	0.	0.	DRY
W-832-21	19-Jul-02	0.	0.	NM/CONSTRUCT
W-832-21	1-Oct-02	0.	0.	DRY
W-832-21	7-Jan-03	0.	0.	DRY
W-832-21	8-Apr-03	0.	0.	DRY
W-832-21	1-Jul-03	0.	0.	DRY
W-832-21	1-Oct-03	0.	0.	DRY
W-832-21	7-Jan-04	0.	0.	DRY
W-832-21	7-Apr-04	0.	0.	DRY
W-832-21	8-Jul-04	0.	0.	DRY
W-832-21	6-Oct-04	0.	0.	DRY
W-832-21	10-Jan-05	0.	0.	DRY
W-832-22	9-Jun-00	55.59	665.38	
W-832-22	3-Oct-00	56.23	664.74	CB

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-22	10-Jan-01	55.57	665.4	CB
W-832-22	6-Apr-01	56.12	664.85	CB
W-832-22	9-Jul-01	0.	0.	DRY/CB
W-832-22	9-Oct-01	56.21	664.76	CB
W-832-22	8-Jan-02	0.	0.	CB/NM/COVERE
W-832-22	19-Jul-02	0.	0.	DRY/CB
W-832-22	1-Oct-02	0.	0.	DRY/CB
W-832-22	7-Jan-03	0.	0.	DRY/CB
W-832-22	8-Apr-03	0.	0.	DRY/CB
W-832-22	1-Jul-03	0.	0.	DRY/CB
W-832-22	1-Oct-03	0.	0.	DRY/CB
W-832-22	7-Jan-04	0.	0.	DRY/CB
W-832-22	7-Apr-04	0.	0.	NM/CB
W-832-22	8-Jul-04	0.	0.	DRY/CB
W-832-22	6-Oct-04	56.11	664.86	CB
W-832-22	10-Jan-05	0.	0.	DRY/CB
W-832-23	12-Apr-99	0.	0.	NM
W-832-23	5-May-99	31.77	688.37	
W-832-23	8-Jun-99	31.78	688.36	
W-832-23	7-Jul-99	32.77	687.37	
W-832-23	10-Aug-99	33.08	687.06	
W-832-23	10-Sep-99	0.	0.	NM
W-832-23	14-Oct-99	33.73	686.41	
W-832-23	13-Dec-99	35.05	685.09	
W-832-23	21-Dec-99	34.94	685.2	PS
W-832-23	14-Jan-00	34.83	685.31	
W-832-23	9-Feb-00	34.69	685.45	
W-832-23	18-Mar-00	31.78	690.99	
W-832-23	4-Apr-00	31.88	690.89	
W-832-23	3-May-00	29.64	690.5	POM 0.0
W-832-23	9-Jun-00	30.57	689.57	POM 0.0
W-832-23	22-Jun-00	29.79	690.35	PS
W-832-23	6-Jul-00	30.43	689.71	
W-832-23	31-Jul-00	30.67	689.47	PS
W-832-23	1-Aug-00	30.8	689.34	
W-832-23	6-Sep-00	31.16	688.98	
W-832-23	6-Sep-00	31.16	688.98	
W-832-23	3-Oct-00	29.15	690.99	CB
W-832-23	1-Nov-00	25.96	694.18	CB
W-832-23	21-Nov-00	26.08	694.06	ps
W-832-23	4-Dec-00	26.08	694.06	CB
W-832-23	9-Jan-01	26.	694.14	CB
W-832-23	6-Feb-01	31.62	688.52	CB/MT
W-832-23	12-Feb-01	31.71	688.43	PS
W-832-23	3-Mar-01	30.62	689.52	CB/MT
W-832-23	6-Apr-01	30.69	689.45	CB
W-832-23	4-May-01	31.11	689.03	CB
W-832-23	23-May-01	31.63	688.51	PS
W-832-23	6-Jun-01	31.63	688.51	CB
W-832-23	9-Jul-01	32.13	688.01	CB
W-832-23	7-Aug-01	32.47	687.67	CB
W-832-23	14-Sep-01	32.68	687.46	CB
W-832-23	20-Sep-01	32.65	687.49	PS
W-832-23	9-Oct-01	32.66	687.48	CB

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-23	14-Nov-01	32.87	687.27	CB
W-832-23	6-Dec-01	32.57	687.57	CB
W-832-23	18-Dec-01	32.56	687.58	PS
W-832-23	7-Jan-02	32.56	687.58	CB
W-832-23	8-Feb-02	31.53	688.61	CB/MT
W-832-23	8-Mar-02	0.	0.	CB/NM
W-832-23	18-Mar-02	31.5	688.64	PS
W-832-23	3-Apr-02	31.43	688.71	CB
W-832-23	2-May-02	31.89	688.25	CB
W-832-23	4-Jun-02	32.15	687.99	CB
W-832-23	19-Jul-02	32.41	687.73	CB
W-832-23	1-Aug-02	32.69	687.45	CB
W-832-23	4-Sep-02	30.13	690.01	CB
W-832-23	25-Sep-02	29.86	690.28	PS
W-832-23	1-Oct-02	30.73	689.41	CB
W-832-23	7-Jan-03	31.83	688.31	CB
W-832-23	6-Feb-03	31.16	688.98	CB
W-832-23	4-Mar-03	31.82	688.32	CB
W-832-23	8-Apr-03	31.95	688.19	CB
W-832-23	10-Jul-03	32.62	687.52	CB
W-832-23	9-Oct-03	31.3	688.84	CB
W-832-23	7-Jan-04	32.61	687.53	CB
W-832-23	7-Apr-04	31.72	688.42	CB
W-832-23	7-Jul-04	32.56	687.58	CB
W-832-23	5-Oct-04	31.04	689.1	CB
W-832-23	7-Jan-05	32.29	687.85	CB
W-832-24	12-Apr-99	38.93	623.63	
W-832-24	5-May-99	38.9	623.66	
W-832-24	8-Jun-99	39.27	623.29	
W-832-24	7-Jul-99	39.59	622.97	
W-832-24	10-Aug-99	40.24	622.32	
W-832-24	10-Sep-99	0.	0.	NM
W-832-24	11-Oct-99	40.17	622.39	
W-832-24	8-Dec-99	41.1	621.46	
W-832-24	14-Jan-00	41.4	621.16	
W-832-24	9-Feb-00	41.59	620.97	
W-832-24	18-Mar-00	40.89	621.67	
W-832-24	4-Apr-00	40.43	622.13	
W-832-24	3-May-00	39.89	622.67	
W-832-24	9-Jun-00	39.84	622.72	
W-832-24	22-Jun-00	39.54	623.02	PS
W-832-24	5-Jul-00	39.63	622.93	
W-832-24	1-Aug-00	39.95	622.61	CASING
W-832-24	15-Aug-00	40.13	622.43	PS
W-832-24	5-Sep-00	40.51	622.05	
W-832-24	2-Oct-00	40.69	621.87	
W-832-24	1-Nov-00	41.23	621.33	
W-832-24	21-Nov-00	41.12	621.44	ps
W-832-24	4-Dec-00	41.12	621.44	
W-832-24	9-Jan-01	41.15	621.41	
W-832-24	6-Feb-01	42.06	620.5	
W-832-24	13-Feb-01	41.78	620.78	PS
W-832-24	2-Mar-01	42.27	620.29	
W-832-24	5-Apr-01	42.38	620.18	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-24	4-May-01	42.23	620.33	
W-832-24	23-May-01	41.86	620.7	PS
W-832-24	6-Jun-01	41.98	620.58	
W-832-24	6-Jul-01	42.02	620.54	
W-832-24	6-Aug-01	42.31	620.25	
W-832-24	10-Sep-01	42.49	620.07	
W-832-24	18-Sep-01	42.62	619.94	PS
W-832-24	8-Oct-01	42.88	619.68	
W-832-24	14-Nov-01	43.32	619.24	
W-832-24	6-Dec-01	43.65	618.91	
W-832-24	11-Dec-01	43.26	619.3	PS
W-832-24	7-Jan-02	43.64	618.92	
W-832-24	8-Feb-02	43.34	619.22	
W-832-24	8-Mar-02	0.	0.	NM
W-832-24	18-Mar-02	42.72	619.84	PS
W-832-24	3-Apr-02	42.19	620.37	
W-832-24	1-May-02	42.4	620.16	
W-832-24	3-Jun-02	42.57	619.99	
W-832-24	18-Jul-02	42.4	620.16	
W-832-24	1-Aug-02	42.31	620.25	
W-832-24	4-Sep-02	43.16	619.4	
W-832-24	25-Sep-02	42.98	619.58	PS
W-832-24	1-Oct-02	43.31	619.25	
W-832-24	6-Jan-03	41.94	620.62	
W-832-24	5-Feb-03	40.81	621.75	
W-832-24	4-Mar-03	40.14	622.42	
W-832-24	7-Apr-03	39.91	622.65	
W-832-24	9-Jul-03	40.11	622.45	
W-832-24	1-Oct-03	40.48	622.08	
W-832-24	6-Jan-04	41.75	620.81	
W-832-24	7-Apr-04	40.12	622.44	
W-832-24	6-Jul-04	39.76	622.8	
W-832-24	5-Oct-04	41.06	621.5	
W-832-24	7-Jan-05	41.26	621.3	
W-832-25	12-Apr-99	30.39	636.42	
W-832-25	5-May-99	30.41	636.4	
W-832-25	8-Jun-99	30.57	636.24	
W-832-25	7-Jul-99	30.76	636.05	
W-832-25	10-Aug-99	30.87	635.94	
W-832-25	10-Sep-99	0.	0.	NM
W-832-25	14-Oct-99	31.16	635.65	
W-832-25	15-Dec-99	31.9	634.91	
W-832-25	14-Jan-00	31.95	634.86	
W-832-25	29-Feb-00	29.56	637.25	
W-832-25	18-Mar-00	31.5	635.31	
W-832-25	4-Apr-00	31.36	635.45	
W-832-25	5-May-00	31.23	635.58	
W-832-25	1-Jun-00	31.59	635.22	
W-832-25	23-Jun-00	31.13	635.68	PS
W-832-25	11-Jul-00	31.11	635.7	
W-832-25	1-Aug-00	31.49	635.32	CASING
W-832-25	16-Aug-00	31.68	635.13	PS
W-832-25	5-Sep-00	31.79	635.02	
W-832-25	12-Oct-00	32.	634.81	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-25	3-Nov-00	32.1	634.71	
W-832-25	7-Dec-00	31.05	635.76	
W-832-25	19-Dec-00	31.22	635.59	ps
W-832-25	9-Jan-01	31.24	635.57	
W-832-25	6-Feb-01	31.38	635.43	
W-832-25	15-Feb-01	30.86	635.95	PS
W-832-25	9-Mar-01	31.06	635.75	
W-832-25	10-Apr-01	30.89	635.92	
W-832-25	4-May-01	31.24	635.57	
W-832-25	23-May-01	31.36	635.45	PS
W-832-25	6-Jun-01	31.36	635.45	
W-832-25	6-Jul-01	31.64	635.17	
W-832-25	6-Aug-01	31.78	635.03	
W-832-25	14-Sep-01	32.51	634.3	
W-832-25	25-Sep-01	32.55	634.26	PS
W-832-25	8-Oct-01	32.55	634.26	
W-832-25	14-Nov-01	32.61	634.2	
W-832-25	11-Dec-01	33.17	633.64	
W-832-25	14-Jan-02	33.18	633.63	
W-832-25	8-Feb-02	33.05	633.76	
W-832-25	8-Mar-02	0.	0.	NM
W-832-25	12-Mar-02	32.87	633.94	PS
W-832-25	3-Apr-02	33.21	633.6	
W-832-25	2-May-02	32.93	633.88	
W-832-25	4-Jun-02	33.56	633.25	
W-832-25	18-Jul-02	33.19	633.62	
W-832-25	7-Aug-02	33.27	633.54	
W-832-25	5-Sep-02	33.43	633.38	
W-832-25	26-Sep-02	33.47	633.34	PS
W-832-25	1-Oct-02	33.56	633.25	
W-832-25	14-Jan-03	32.91	633.9	
W-832-25	5-Feb-03	32.65	634.16	
W-832-25	6-Mar-03	32.65	634.16	
W-832-25	8-Apr-03	32.36	634.45	
W-832-25	9-Jul-03	33.11	633.7	
W-832-25	9-Oct-03	33.7	633.11	
W-832-25	12-Jan-04	33.68	633.13	
W-832-25	7-Apr-04	31.99	634.82	
W-832-25	6-Jul-04	33.21	633.6	
W-832-25	5-Oct-04	34.09	632.72	
W-832-25	15-Jan-05	33.11	633.7	
W-832-SC1	1-Jul-97	0.	0.	NM
W-832-SC1	2-Jul-97	0.	0.	NM
W-832-SC1	4-Aug-97	0.	0.	
W-832-SC1	2-Sep-97	0.	0.	
W-832-SC1	13-Oct-97	5.04	576.74	
W-832-SC1	3-Nov-97	4.9	576.88	
W-832-SC1	1-Dec-97	4.56	577.22	
W-832-SC1	7-Jan-98	4.53	577.25	
W-832-SC1	4-Feb-98	3.99	577.79	
W-832-SC1	2-Mar-98	3.57	578.21	
W-832-SC1	1-Apr-98	3.31	578.47	
W-832-SC1	4-May-98	0.	0.	INACCESSIBLE
W-832-SC1	4-Jun-98	3.14	578.64	REAL MUDDY

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-SC1	9-Jul-98	3.19	578.59	
W-832-SC1	5-Aug-98	3.28	578.5	
W-832-SC1	8-Sep-98	4.58	577.2	
W-832-SC1	22-Oct-98	4.87	576.91	
W-832-SC1	17-Nov-98	5.4	576.38	
W-832-SC1	2-Dec-98	5.1	576.68	
W-832-SC1	8-Jan-99	3.58	578.2	
W-832-SC1	3-Feb-99	3.42	578.36	
W-832-SC1	8-Mar-99	3.43	578.35	
W-832-SC1	19-Apr-99	3.65	578.13	
W-832-SC1	6-May-99	3.77	578.01	
W-832-SC1	8-Jun-99	3.93	577.85	
W-832-SC1	28-Jul-99	4.1	577.68	
W-832-SC1	20-Aug-99	4.12	577.66	
W-832-SC1	20-Sep-99	0.	0.	NM
W-832-SC1	14-Oct-99	4.2	577.58	
W-832-SC1	14-Dec-99	3.97	577.81	
W-832-SC1	22-Dec-99	3.87	577.91	PS
W-832-SC1	11-Jan-00	3.77	578.01	
W-832-SC1	29-Feb-00	3.85	577.93	
W-832-SC1	18-Mar-00	4.29	577.49	
W-832-SC1	4-Apr-00	4.38	577.4	
W-832-SC1	3-May-00	4.24	577.54	
W-832-SC1	1-Jun-00	4.18	577.6	
W-832-SC1	16-Jun-00	4.58	577.2	PS
W-832-SC1	10-Jul-00	4.28	577.5	
W-832-SC1	8-Aug-00	4.23	577.55	3.22 CASING
W-832-SC1	11-Sep-00	4.32	577.46	
W-832-SC1	11-Sep-00	4.32	577.46	
W-832-SC1	3-Oct-00	3.96	580.74	
W-832-SC1	7-Nov-00	4.49	580.21	3.22 CASING
W-832-SC1	5-Dec-00	4.47	580.23	
W-832-SC1	12-Jan-01	4.35	580.35	
W-832-SC1	7-Feb-01	3.88	580.82	
W-832-SC1	8-Mar-01	3.82	580.88	
W-832-SC1	11-Apr-01	3.84	580.86	
W-832-SC1	7-May-01	4.01	580.69	
W-832-SC1	7-Jun-01	4.36	580.34	
W-832-SC1	13-Jul-01	4.48	580.22	
W-832-SC1	10-Aug-01	4.69	580.01	
W-832-SC1	14-Sep-01	4.71	579.99	
W-832-SC1	9-Oct-01	4.64	580.06	
W-832-SC1	13-Nov-01	3.98	580.72	
W-832-SC1	10-Dec-01	4.07	580.63	
W-832-SC1	17-Dec-01	4.03	580.67	PS
W-832-SC1	14-Jan-02	3.95	580.75	
W-832-SC1	8-Feb-02	0.	0.	DRY
W-832-SC1	7-Mar-02	0.	0.	DRY
W-832-SC1	15-Apr-02	0.	0.	DRY
W-832-SC1	2-May-02	3.93	580.77	
W-832-SC1	4-Jun-02	0.	0.	DRY
W-832-SC1	23-Jul-02	0.	0.	NM/OBSTRUCTI
W-832-SC1	2-Aug-02	0.	0.	NM
W-832-SC1	9-Sep-02	0.	0.	NM/OBSTRUCTI

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-SC1	9-Oct-02	0.	0.	NM/OBSTRUCTI
W-832-SC1	14-Jan-03	0.	0.	NM
W-832-SC1	6-Feb-03	0.	0.	NM
W-832-SC1	10-Mar-03	4.62	580.08	
W-832-SC1	15-Apr-03	4.58	580.12	
W-832-SC1	28-Jul-03	4.7	580.	
W-832-SC1	2-Oct-03	5.57	579.13	
W-832-SC1	7-Jan-04	0.	0.	DRY
W-832-SC1	20-Apr-04	5.49	579.21	
W-832-SC1	8-Jul-04	5.37	579.33	
W-832-SC1	5-Oct-04	7.89	576.81	
W-832-SC1	15-Jan-05	6.19	578.51	
W-832-SC2	1-Jul-97	0.	0.	NM
W-832-SC2	2-Jul-97	0.	0.	NM
W-832-SC2	4-Aug-97	0.	0.	NA
W-832-SC2	2-Sep-97	0.	0.	NA
W-832-SC2	13-Oct-97	4.95	569.92	
W-832-SC2	3-Nov-97	4.83	570.04	NA
W-832-SC2	1-Dec-97	4.19	570.68	
W-832-SC2	7-Jan-98	4.18	570.69	
W-832-SC2	4-Feb-98	3.9	570.97	
W-832-SC2	2-Mar-98	4.	570.87	
W-832-SC2	1-Apr-98	4.12	570.75	
W-832-SC2	4-May-98	0.	0.	INACCESSIBLE
W-832-SC2	4-Jun-98	4.12	570.75	
W-832-SC2	9-Jul-98	4.3	570.57	
W-832-SC2	5-Aug-98	5.09	569.78	
W-832-SC2	8-Sep-98	4.03	570.84	
W-832-SC2	22-Oct-98	5.08	569.79	
W-832-SC2	17-Nov-98	4.63	570.24	
W-832-SC2	2-Dec-98	4.58	570.29	
W-832-SC2	8-Jan-99	5.66	569.21	
W-832-SC2	5-Feb-99	3.92	570.95	
W-832-SC2	8-Mar-99	4.08	570.79	
W-832-SC2	19-Apr-99	4.27	570.6	
W-832-SC2	6-May-99	4.34	570.53	
W-832-SC2	8-Jun-99	4.45	570.42	
W-832-SC2	28-Jul-99	4.09	570.78	
W-832-SC2	20-Aug-99	4.27	570.6	
W-832-SC2	20-Sep-99	0.	0.	NM
W-832-SC2	14-Oct-99	4.25	570.62	
W-832-SC2	14-Dec-99	4.1	570.77	
W-832-SC2	22-Dec-99	3.98	570.89	PS
W-832-SC2	11-Jan-00	3.84	571.03	
W-832-SC2	29-Feb-00	4.13	570.74	
W-832-SC2	18-Mar-00	4.28	570.59	
W-832-SC2	4-Apr-00	4.33	570.54	
W-832-SC2	3-May-00	4.6	570.27	
W-832-SC2	1-Jun-00	4.62	570.25	
W-832-SC2	16-Jun-00	4.87	570.	PS
W-832-SC2	10-Jul-00	4.49	570.38	
W-832-SC2	8-Aug-00	4.5	570.37	3.78 CASING
W-832-SC2	11-Sep-00	4.98	569.89	
W-832-SC2	11-Sep-00	4.98	569.89	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-SC2	3-Oct-00	4.14	570.73	
W-832-SC2	7-Nov-00	4.38	570.49	3.78 CASING
W-832-SC2	5-Dec-00	4.39	570.48	
W-832-SC2	12-Jan-01	4.15	570.72	
W-832-SC2	7-Feb-01	3.89	570.98	
W-832-SC2	8-Mar-01	3.99	570.88	
W-832-SC2	11-Apr-01	4.18	570.69	
W-832-SC2	7-May-01	4.34	570.53	
W-832-SC2	7-Jun-01	4.96	569.91	
W-832-SC2	13-Jul-01	4.94	569.93	
W-832-SC2	10-Aug-01	5.18	569.69	
W-832-SC2	14-Sep-01	5.12	569.75	
W-832-SC2	9-Oct-01	4.98	569.89	
W-832-SC2	13-Nov-01	3.87	571.	
W-832-SC2	10-Dec-01	4.	570.87	
W-832-SC2	17-Dec-01	4.	570.87	PS
W-832-SC2	14-Jan-02	3.92	570.95	
W-832-SC2	8-Feb-02	4.51	570.36	
W-832-SC2	7-Mar-02	4.09	570.78	
W-832-SC2	15-Apr-02	4.28	570.59	
W-832-SC2	2-May-02	4.16	570.71	
W-832-SC2	4-Jun-02	4.21	570.66	
W-832-SC2	23-Jul-02	4.99	569.88	
W-832-SC2	2-Aug-02	5.26	569.61	
W-832-SC2	9-Sep-02	5.3	569.57	
W-832-SC2	9-Oct-02	5.13	569.74	
W-832-SC2	14-Jan-03	4.71	570.16	
W-832-SC2	6-Feb-03	4.7	570.17	
W-832-SC2	10-Mar-03	4.24	570.63	
W-832-SC2	15-Apr-03	3.9	570.97	
W-832-SC2	28-Jul-03	0.	0.	DRY
W-832-SC2	2-Oct-03	0.	0.	DRY
W-832-SC2	7-Jan-04	4.55	570.32	
W-832-SC2	20-Apr-04	0.	0.	DRY
W-832-SC2	8-Jul-04	0.	0.	DRY
W-832-SC2	5-Oct-04	0.	0.	DRY
W-832-SC2	15-Jan-05	0.	0.	DRY
W-832-SC3	1-Jul-97	0.	0.	NM
W-832-SC3	2-Jul-97	0.	0.	NM
W-832-SC3	4-Aug-97	0.	0.	NA
W-832-SC3	2-Sep-97	0.	0.	NA
W-832-SC3	10-Oct-97	4.75	558.92	
W-832-SC3	3-Nov-97	4.69	558.98	NA
W-832-SC3	1-Dec-97	4.1	559.57	
W-832-SC3	7-Jan-98	4.06	559.61	
W-832-SC3	4-Feb-98	3.83	559.84	
W-832-SC3	2-Mar-98	3.9	559.77	
W-832-SC3	1-Apr-98	3.93	559.74	
W-832-SC3	4-May-98	0.	0.	INACCESSIBLE
W-832-SC3	4-Jun-98	3.79	559.88	
W-832-SC3	9-Jul-98	3.86	559.81	
W-832-SC3	5-Aug-98	3.96	559.71	
W-832-SC3	8-Sep-98	4.61	559.06	
W-832-SC3	22-Oct-98	4.91	558.76	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-SC3	17-Nov-98	4.6	559.07	
W-832-SC3	2-Dec-98	4.59	559.08	
W-832-SC3	8-Jan-99	3.84	559.83	
W-832-SC3	5-Feb-99	3.74	559.93	
W-832-SC3	8-Mar-99	3.79	559.88	
W-832-SC3	19-Apr-99	4.2	559.47	
W-832-SC3	6-May-99	4.25	559.42	
W-832-SC3	8-Jun-99	4.51	559.16	
W-832-SC3	28-Jul-99	4.62	559.05	
W-832-SC3	20-Aug-99	4.6	559.07	
W-832-SC3	20-Sep-99	0.	0.	NM
W-832-SC3	14-Oct-99	4.5	559.17	
W-832-SC3	14-Dec-99	3.82	559.85	
W-832-SC3	22-Dec-99	3.74	559.93	PS
W-832-SC3	11-Jan-00	3.7	559.97	
W-832-SC3	29-Feb-00	0.	0.	NA
W-832-SC3	18-Mar-00	3.27	560.4	
W-832-SC3	4-Apr-00	3.24	560.43	
W-832-SC3	3-May-00	4.51	559.16	
W-832-SC3	1-Jun-00	5.	558.67	
W-832-SC3	16-Jun-00	6.32	557.35	PS
W-832-SC3	10-Jul-00	5.38	558.29	
W-832-SC3	8-Aug-00	0.	0.	UC
W-832-SC3	11-Sep-00	5.04	558.63	
W-832-SC3	11-Sep-00	5.04	558.63	
W-832-SC3	3-Oct-00	4.48	559.19	CB
W-832-SC3	7-Nov-00	3.8	559.87	3.74 CASING
W-832-SC3	5-Dec-00	4.05	559.62	
W-832-SC3	12-Jan-01	3.82	559.85	
W-832-SC3	7-Feb-01	3.78	559.89	
W-832-SC3	8-Mar-01	3.72	559.95	
W-832-SC3	11-Apr-01	3.87	559.8	
W-832-SC3	7-May-01	4.61	559.06	
W-832-SC3	7-Jun-01	5.62	558.05	
W-832-SC3	13-Jul-01	5.73	557.94	
W-832-SC3	10-Aug-01	6.02	557.65	
W-832-SC3	14-Sep-01	5.99	557.68	
W-832-SC3	9-Oct-01	5.29	558.38	
W-832-SC3	13-Nov-01	4.25	559.42	
W-832-SC3	10-Dec-01	3.95	559.72	
W-832-SC3	17-Dec-01	3.97	559.7	PS
W-832-SC3	14-Jan-02	3.84	559.83	
W-832-SC3	8-Feb-02	4.04	559.63	
W-832-SC3	7-Mar-02	1.05	562.62	
W-832-SC3	15-Apr-02	1.35	562.32	
W-832-SC3	2-May-02	3.98	559.69	
W-832-SC3	4-Jun-02	4.05	559.62	
W-832-SC3	23-Jul-02	5.95	557.72	
W-832-SC3	2-Aug-02	6.2	557.47	
W-832-SC3	9-Sep-02	6.33	557.34	
W-832-SC3	9-Oct-02	5.82	557.85	
W-832-SC3	14-Jan-03	4.39	559.28	
W-832-SC3	6-Feb-03	4.28	559.39	
W-832-SC3	10-Mar-03	4.56	559.11	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-SC3	15-Apr-03	4.65	559.02	
W-832-SC3	28-Jul-03	0.	0.	DRY/MUD
W-832-SC3	2-Oct-03	0.	0.	DRY/MUD
W-832-SC3	7-Jan-04	5.78	557.89	
W-832-SC3	15-Apr-04	6.05	557.62	
W-832-SC3	8-Jul-04	6.48	557.19	
W-832-SC3	6-Oct-04	6.59	557.08	
W-832-SC3	15-Jan-05	4.51	559.16	
W-832-SC4	1-Jul-97	0.	0.	NM
W-832-SC4	2-Jul-97	0.	0.	NM
W-832-SC4	4-Aug-97	7.33	0.	NA
W-832-SC4	2-Sep-97	7.26	0.	NA
W-832-SC4	10-Oct-97	7.1	530.2	
W-832-SC4	3-Nov-97	6.93	530.37	NA
W-832-SC4	1-Dec-97	7.35	529.95	
W-832-SC4	7-Jan-98	5.7	531.6	
W-832-SC4	4-Feb-98	4.12	533.18	
W-832-SC4	2-Mar-98	3.65	533.65	
W-832-SC4	1-Apr-98	4.65	532.65	
W-832-SC4	4-May-98	0.	0.	INACCESSIBLE
W-832-SC4	4-Jun-98	4.89	532.41	
W-832-SC4	9-Jul-98	5.06	532.24	
W-832-SC4	5-Aug-98	5.26	532.04	
W-832-SC4	8-Sep-98	5.2	532.1	
W-832-SC4	21-Oct-98	4.94	532.36	
W-832-SC4	17-Nov-98	4.58	532.72	
W-832-SC4	2-Dec-98	4.43	532.87	
W-832-SC4	8-Jan-99	4.64	532.66	
W-832-SC4	5-Feb-99	3.92	533.38	
W-832-SC4	4-Mar-99	4.2	533.1	
W-832-SC4	19-Apr-99	4.45	532.85	
W-832-SC4	6-May-99	4.48	532.82	
W-832-SC4	8-Jun-99	4.85	532.45	
W-832-SC4	28-Jul-99	5.64	531.66	
W-832-SC4	20-Aug-99	5.54	531.76	
W-832-SC4	20-Sep-99	0.	0.	NM
W-832-SC4	14-Oct-99	5.7	531.6	
W-832-SC4	14-Dec-99	5.	532.3	
W-832-SC4	22-Dec-99	4.78	532.52	PS
W-832-SC4	11-Jan-00	4.23	533.07	
W-832-SC4	29-Feb-00	3.63	533.67	
W-832-SC4	18-Mar-00	4.21	533.09	
W-832-SC4	4-Apr-00	4.15	533.15	
W-832-SC4	3-May-00	5.14	532.16	
W-832-SC4	1-Jun-00	5.68	531.62	
W-832-SC4	16-Jun-00	5.87	531.43	PS
W-832-SC4	10-Jul-00	6.14	531.16	
W-832-SC4	8-Aug-00	6.65	530.65	3.68 CASING
W-832-SC4	8-Sep-00	6.49	530.81	
W-832-SC4	8-Sep-00	6.49	530.81	
W-832-SC4	3-Oct-00	6.34	530.96	
W-832-SC4	7-Nov-00	5.61	531.69	3.68 CASING
W-832-SC4	5-Dec-00	0.	0.	UC
W-832-SC4	12-Jan-01	0.	0.	UC

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-832-SC4	7-Feb-01	4.69	532.61	
W-832-SC4	8-Mar-01	3.87	533.43	
W-832-SC4	11-Apr-01	4.31	532.99	
W-832-SC4	7-May-01	5.14	532.16	
W-832-SC4	31-May-01	5.74	531.56	PS
W-832-SC4	7-Jun-01	5.74	531.56	
W-832-SC4	13-Jul-01	6.62	530.68	
W-832-SC4	10-Aug-01	6.79	530.51	
W-832-SC4	14-Sep-01	6.72	530.58	
W-832-SC4	9-Oct-01	6.91	530.39	
W-832-SC4	13-Nov-01	6.61	530.69	
W-832-SC4	10-Dec-01	5.86	531.44	
W-832-SC4	17-Dec-01	5.84	531.46	PS
W-832-SC4	14-Jan-02	4.78	532.52	
W-832-SC4	8-Feb-02	5.21	532.09	
W-832-SC4	7-Mar-02	5.23	532.07	
W-832-SC4	15-Apr-02	5.55	531.75	
W-832-SC4	2-May-02	5.79	531.51	
W-832-SC4	4-Jun-02	6.35	530.95	
W-832-SC4	23-Jul-02	7.12	530.18	
W-832-SC4	2-Aug-02	7.25	530.05	
W-832-SC4	9-Sep-02	7.47	529.83	
W-832-SC4	9-Oct-02	7.53	529.77	
W-832-SC4	14-Jan-03	5.46	531.84	
W-832-SC4	6-Feb-03	5.77	531.53	
W-832-SC4	1-Mar-03	5.66	531.64	
W-832-SC4	15-Apr-03	6.27	531.03	
W-832-SC4	28-Jul-03	7.93	529.37	
W-832-SC4	2-Oct-03	7.9	529.4	
W-832-SC4	15-Jan-04	6.59	530.71	
W-832-SC4	15-Apr-04	7.07	530.23	
W-832-SC4	8-Jul-04	0.	0.	DRY/MUD
W-832-SC4	6-Oct-04	0.	0.	DRY/MUD
W-832-SC4	15-Jan-05	6.25	531.05	
W-832-1927	20-Jan-04	232.97	593.03	
W-832-1927	19-Apr-04	232.2	593.8	
W-832-1927	8-Jul-04	232.32	593.68	
W-832-1927	6-Oct-04	232.85	593.15	
W-832-1927	15-Jan-05	233.18	592.82	
W-870-01	4-Apr-97	10.31	513.4	
W-870-01	1-Jul-97	0.	0.	DRY
W-870-01	1-Oct-97	0.	0.	DRY
W-870-01	7-Jan-98	0.	0.	DRY
W-870-01	2-Apr-98	8.81	514.98	
W-870-01	7-Jul-98	13.34	510.37	
W-870-01	22-Oct-98	0.	0.	DRY
W-870-01	12-Jan-99	0.	0.	DRY
W-870-01	9-Apr-99	14.97	508.74	
W-870-01	27-Jul-99	0.	0.	DRY
W-870-01	14-Oct-99	0.	0.	DRY
W-870-01	13-Jan-00	0.	0.	DRY
W-870-01	4-Apr-00	0.	0.	DRY
W-870-01	12-Jul-00	0.	0.	DRY
W-870-01	6-Oct-00	0.	0.	DRY

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-870-01	5-Jan-01	0.	0.	DRY
W-870-01	11-Apr-01	0.	0.	DRY
W-870-01	4-Jul-01	0.	0.	DRY
W-870-01	5-Oct-01	0.	0.	DRY
W-870-01	8-Jan-02	0.	0.	DRY
W-870-01	8-Apr-02	0.	0.	DRY
W-870-01	15-Jul-02	0.	0.	NM/OBSTRUCTI
W-870-01	5-Oct-02	0.	0.	DRY
W-870-01	6-Jan-03	0.	0.	DRY
W-870-01	15-Apr-03	0.	0.	DRY
W-870-01	1-Jul-03	0.	0.	DRY
W-870-01	8-Oct-03	0.	0.	DRY
W-870-01	6-Jan-04	0.	0.	DRY
W-870-01	6-Apr-04	0.	0.	DRY
W-870-01	12-Jul-04	0.	0.	DRY
W-870-01	4-Oct-04	0.	0.	DRY
W-870-01	4-Jan-05	0.	0.	DRY
W-870-02	4-Apr-97	10.6	513.22	
W-870-02	1-Jul-97	15.13	510.74	
W-870-02	1-Oct-97	17.79	508.08	
W-870-02	7-Jan-98	16.42	509.45	
W-870-02	2-Apr-98	6.55	519.32	
W-870-02	7-Jul-98	11.21	512.61	
W-870-02	22-Oct-98	16.98	506.84	
W-870-02	12-Jan-99	17.48	506.34	
W-870-02	9-Apr-99	12.85	510.97	
W-870-02	27-Jul-99	16.96	506.86	
W-870-02	14-Oct-99	17.6	506.22	
W-870-02	13-Jan-00	17.24	506.58	
W-870-02	4-Apr-00	17.16	506.66	
W-870-02	30-Jun-00	17.23	506.59	PS
W-870-02	12-Jul-00	17.37	506.45	
W-870-02	16-Aug-00	17.47	506.35	PS
W-870-02	6-Oct-00	17.53	506.29	
W-870-02	13-Dec-00	17.8	506.02	ps
W-870-02	5-Jan-01	17.42	506.4	
W-870-02	20-Feb-01	17.34	506.48	PS
W-870-02	11-Apr-01	17.13	506.69	
W-870-02	31-May-01	17.49	506.33	PS
W-870-02	5-Jul-01	17.66	506.16	
W-870-02	25-Sep-01	17.69	506.13	PS
W-870-02	5-Oct-01	17.69	506.13	
W-870-02	18-Dec-01	17.39	506.43	PS
W-870-02	8-Jan-02	17.04	506.78	
W-870-02	12-Mar-02	17.39	506.43	PS
W-870-02	8-Apr-02	17.46	506.36	
W-870-02	23-Jul-02	17.71	506.11	
W-870-02	30-Sep-02	17.92	505.9	PS
W-870-02	9-Oct-02	17.83	505.99	
W-870-02	15-Jan-03	0.	0.	NM/EQUIPMENT
W-870-02	15-Apr-03	16.78	507.04	
W-870-02	21-Jul-03	17.64	506.18	
W-870-02	1-Oct-03	17.95	505.87	
W-870-02	6-Jan-04	17.42	506.4	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-870-02	6-Apr-04	17.6	506.22	CB
W-870-02	12-Jul-04	17.59	506.23	CB
W-870-02	4-Oct-04	17.93	505.89	CB
W-870-02	4-Jan-05	17.61	506.21	CB
W-880-01	4-Nov-95	17.	509.05	
W-880-01	10-Jan-96	16.8	509.25	
W-880-01	1-Feb-96	15.98	510.07	
W-880-01	1-Mar-96	4.8	521.25	
W-880-01	3-Apr-96	5.61	520.44	
W-880-01	1-May-96	8.16	517.89	
W-880-01	4-Jun-96	10.75	515.3	
W-880-01	9-Jul-96	13.13	512.92	
W-880-01	5-Aug-96	15.13	510.92	
W-880-01	3-Sep-96	16.67	509.38	
W-880-01	15-Oct-96	17.26	508.79	NOM
W-880-01	5-Nov-96	17.22	508.83	
W-880-01	6-Dec-96	17.02	509.03	
W-880-01	3-Jan-97	15.45	510.6	
W-880-01	3-Feb-97	4.2	521.85	
W-880-01	5-Mar-97	6.04	520.01	
W-880-01	3-Apr-97	8.78	517.27	
W-880-01	1-May-97	10.57	515.48	
W-880-01	2-Jun-97	12.61	513.44	
W-880-01	1-Jul-97	14.62	511.43	
W-880-01	1-Aug-97	16.5	509.55	
W-880-01	2-Sep-97	17.3	508.75	
W-880-01	1-Oct-97	17.32	508.73	
W-880-01	3-Nov-97	17.25	508.8	
W-880-01	1-Dec-97	16.55	509.5	
W-880-01	7-Jan-98	15.82	510.23	
W-880-01	4-Feb-98	12.41	513.64	
W-880-01	2-Mar-98	3.44	522.61	
W-880-01	2-Apr-98	6.79	519.26	
W-880-01	7-May-98	8.22	517.83	
W-880-01	3-Jun-98	9.84	516.21	
W-880-01	7-Jul-98	11.28	514.77	
W-880-01	5-Aug-98	12.41	513.64	
W-880-01	3-Sep-98	14.06	511.99	
W-880-01	8-Oct-98	15.69	510.36	
W-880-01	17-Nov-98	16.48	509.57	
W-880-01	2-Dec-98	16.39	509.66	
W-880-01	14-Jan-99	16.68	509.37	
W-880-01	5-Feb-99	16.25	509.8	
W-880-01	4-Mar-99	14.25	511.8	
W-880-01	9-Apr-99	12.46	513.59	
W-880-01	6-May-99	12.86	513.19	
W-880-01	1-Jun-99	13.66	512.39	
W-880-01	23-Jul-99	15.9	510.15	
W-880-01	20-Aug-99	16.5	509.55	
W-880-01	20-Sep-99	0.	0.	NM
W-880-01	19-Oct-99	16.82	509.23	
W-880-01	8-Dec-99	16.85	509.2	
W-880-01	13-Jan-00	16.52	509.53	
W-880-01	15-Feb-00	16.5	509.55	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-880-01	15-Mar-00	15.8	510.25	
W-880-01	10-Apr-00	15.86	510.19	
W-880-01	8-May-00	15.12	510.93	
W-880-01	8-Jun-00	15.85	510.2	
W-880-01	11-Jul-00	15.97	510.08	
W-880-01	8-Aug-00	16.58	509.47	
W-880-01	8-Sep-00	16.37	509.68	
W-880-01	8-Sep-00	16.37	509.68	
W-880-01	5-Oct-00	16.53	509.52	CB
W-880-01	1-Nov-00	16.74	509.31	CB
W-880-01	8-Dec-00	16.6	509.45	CB
W-880-01	10-Jan-01	16.42	509.63	
W-880-01	7-Feb-01	16.46	509.59	
W-880-01	9-Mar-01	16.25	509.8	
W-880-01	6-Apr-01	16.28	509.77	
W-880-01	1-May-01	16.29	509.76	
W-880-01	8-Jun-01	16.75	509.3	
W-880-01	16-Jul-01	17.02	509.03	
W-880-01	9-Aug-01	16.92	509.13	
W-880-01	13-Sep-01	17.03	509.02	
W-880-01	10-Oct-01	17.04	509.01	
W-880-01	14-Nov-01	16.73	509.32	
W-880-01	4-Dec-01	16.78	509.27	
W-880-01	10-Jan-02	16.4	509.65	
W-880-01	24-Jan-02	16.59	509.46	PS
W-880-01	7-Feb-02	16.6	509.45	
W-880-01	7-Mar-02	16.61	509.44	
W-880-01	5-Apr-02	16.65	509.4	
W-880-01	1-May-02	0.	0.	NM
W-880-01	1-Jun-02	16.7	509.35	
W-880-01	23-Jul-02	17.08	508.97	
W-880-01	6-Aug-02	17.02	509.03	
W-880-01	6-Sep-02	17.25	508.8	
W-880-01	2-Oct-02	17.2	508.85	
W-880-01	6-Jan-03	16.37	509.68	
W-880-01	4-Feb-03	16.51	509.54	
W-880-01	4-Mar-03	16.33	509.72	
W-880-01	14-Apr-03	15.82	510.23	
W-880-01	21-Jul-03	16.97	509.08	
W-880-01	8-Oct-03	17.15	508.9	
W-880-01	5-Jan-04	16.75	509.3	
W-880-01	7-Apr-04	16.93	509.12	
W-880-01	6-Jul-04	17.1	508.95	
W-880-01	4-Oct-04	17.5	508.55	
W-880-01	20-Jan-05	17.86	508.19	
W-880-02	4-Nov-95	17.	508.8	
W-880-02	10-Jan-96	17.87	507.93	
W-880-02	1-Feb-96	17.57	508.23	
W-880-02	1-Mar-96	4.91	520.89	
W-880-02	3-Apr-96	5.9	519.9	
W-880-02	1-May-96	8.68	517.12	
W-880-02	4-Jun-96	11.54	514.26	
W-880-02	9-Jul-96	14.26	511.54	
W-880-02	5-Aug-96	16.45	509.35	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-880-02	3-Sep-96	17.85	507.95	
W-880-02	15-Oct-96	18.13	507.67	NOM
W-880-02	5-Nov-96	18.08	507.72	
W-880-02	6-Dec-96	17.99	507.81	
W-880-02	3-Jan-97	17.06	508.74	
W-880-02	3-Feb-97	4.29	521.51	
W-880-02	5-Mar-97	6.45	519.35	
W-880-02	3-Apr-97	9.51	516.29	
W-880-02	1-May-97	11.47	514.33	
W-880-02	2-Jun-97	13.83	511.97	
W-880-02	1-Jul-97	16.04	509.76	
W-880-02	1-Aug-97	17.74	508.06	
W-880-02	2-Sep-97	18.38	507.42	
W-880-02	1-Oct-97	18.06	507.74	
W-880-02	3-Nov-97	18.06	507.74	
W-880-02	1-Dec-97	17.83	507.97	
W-880-02	7-Jan-98	17.42	508.38	
W-880-02	4-Feb-98	13.77	512.03	
W-880-02	2-Mar-98	3.61	522.19	
W-880-02	2-Apr-98	7.31	518.49	
W-880-02	7-May-98	8.8	517.	
W-880-02	3-Jun-98	10.65	515.15	
W-880-02	7-Jul-98	12.21	513.59	
W-880-02	5-Aug-98	13.59	512.21	
W-880-02	3-Sep-98	15.37	510.43	
W-880-02	8-Oct-98	17.18	508.62	
W-880-02	17-Nov-98	17.74	508.06	
W-880-02	2-Dec-98	17.7	508.1	
W-880-02	14-Jan-99	17.81	507.99	
W-880-02	5-Feb-99	17.52	508.28	
W-880-02	4-Mar-99	15.69	510.11	
W-880-02	9-Apr-99	13.78	512.02	
W-880-02	6-May-99	14.23	511.57	
W-880-02	1-Jun-99	15.24	510.56	
W-880-02	23-Jul-99	17.31	508.49	
W-880-02	20-Aug-99	17.77	508.03	
W-880-02	20-Sep-99	0.	0.	NM
W-880-02	19-Oct-99	17.76	508.04	
W-880-02	8-Dec-99	17.8	508.	
W-880-02	13-Jan-00	17.42	508.38	
W-880-02	15-Feb-00	17.52	508.28	
W-880-02	10-Mar-00	17.1	508.7	
W-880-02	10-Apr-00	17.14	508.66	
W-880-02	8-May-00	16.72	509.08	
W-880-02	8-Jun-00	17.39	508.41	
W-880-02	11-Jul-00	17.47	508.33	
W-880-02	8-Aug-00	17.79	508.01	
W-880-02	8-Sep-00	17.58	508.22	
W-880-02	8-Sep-00	17.58	508.22	
W-880-02	5-Oct-00	17.72	508.08	CB
W-880-02	1-Nov-00	17.76	508.04	CB
W-880-02	8-Dec-00	17.86	507.94	CB
W-880-02	10-Jan-01	17.76	508.04	
W-880-02	7-Feb-01	17.46	508.34	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-880-02	9-Mar-01	17.38	508.42	
W-880-02	6-Apr-01	17.26	508.54	
W-880-02	1-May-01	17.44	508.36	
W-880-02	8-Jun-01	17.69	508.11	
W-880-02	16-Jul-01	18.02	507.78	
W-880-02	9-Aug-01	18.02	507.78	
W-880-02	13-Sep-01	18.09	507.71	
W-880-02	10-Oct-01	18.07	507.73	
W-880-02	14-Nov-01	18.03	507.77	
W-880-02	4-Dec-01	17.93	507.87	
W-880-02	10-Jan-02	17.6	508.2	
W-880-02	24-Jan-02	17.6	508.2	PS
W-880-02	7-Feb-02	17.61	508.19	
W-880-02	7-Mar-02	17.75	508.05	
W-880-02	5-Apr-02	17.75	508.05	
W-880-02	1-May-02	0.	0.	NM
W-880-02	1-Jun-02	17.75	508.05	
W-880-02	23-Jul-02	17.93	507.87	
W-880-02	6-Aug-02	18.14	507.66	
W-880-02	6-Sep-02	18.19	507.61	
W-880-02	2-Oct-02	18.37	507.43	
W-880-02	6-Jan-03	17.32	508.48	
W-880-02	4-Feb-03	17.61	508.19	
W-880-02	4-Mar-03	17.57	508.23	
W-880-02	14-Apr-03	17.2	508.6	
W-880-02	21-Jul-03	18.17	507.63	
W-880-02	8-Oct-03	18.33	507.47	
W-880-02	5-Jan-04	17.89	507.91	
W-880-02	7-Apr-04	17.98	507.82	
W-880-02	6-Jul-04	18.15	507.65	
W-880-02	4-Oct-04	17.93	507.87	
W-880-02	20-Jan-05	17.87	507.93	
W-880-03	4-Nov-95	8.8	517.25	
W-880-03	10-Jan-96	6.33	519.72	
W-880-03	1-Feb-96	4.99	521.06	
W-880-03	1-Mar-96	4.06	521.99	
W-880-03	3-Apr-96	3.61	522.44	
W-880-03	1-May-96	3.37	522.68	
W-880-03	4-Jun-96	5.04	521.01	
W-880-03	9-Jul-96	9.32	516.73	
W-880-03	5-Aug-96	15.49	510.56	
W-880-03	3-Sep-96	17.15	508.9	
W-880-03	15-Oct-96	15.25	510.8	NOM
W-880-03	5-Nov-96	13.78	512.27	
W-880-03	6-Dec-96	9.8	516.25	
W-880-03	3-Jan-97	6.67	519.38	
W-880-03	3-Feb-97	4.05	522.	
W-880-03	5-Mar-97	2.71	523.34	
W-880-03	3-Apr-97	3.81	522.24	
W-880-03	1-May-97	6.35	519.7	
W-880-03	2-Jun-97	10.39	515.66	
W-880-03	1-Jul-97	16.72	509.33	
W-880-03	1-Aug-97	23.29	502.76	
W-880-03	2-Sep-97	19.42	506.63	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-880-03	1-Oct-97	17.8	508.25	
W-880-03	3-Nov-97	15.48	510.57	
W-880-03	1-Dec-97	12.69	513.36	
W-880-03	7-Jan-98	10.06	515.99	
W-880-03	4-Feb-98	8.62	517.43	
W-880-03	2-Mar-98	7.23	518.82	
W-880-03	2-Apr-98	5.11	520.94	
W-880-03	7-May-98	3.91	522.14	
W-880-03	3-Jun-98	3.45	522.6	
W-880-03	7-Jul-98	6.67	519.38	
W-880-03	5-Aug-98	10.46	515.59	
W-880-03	3-Sep-98	12.43	513.62	
W-880-03	8-Oct-98	12.13	513.92	
W-880-03	17-Nov-98	9.81	516.24	
W-880-03	2-Dec-98	8.71	517.34	
W-880-03	14-Jan-99	5.9	520.15	
W-880-03	5-Feb-99	4.72	521.33	
W-880-03	4-Mar-99	3.74	522.31	
W-880-03	9-Apr-99	3.03	523.02	
W-880-03	6-May-99	3.68	522.37	
W-880-03	1-Jun-99	5.57	520.48	
W-880-03	23-Jul-99	11.41	514.64	
W-880-03	20-Aug-99	12.21	513.84	
W-880-03	20-Sep-99	0.	0.	NM
W-880-03	19-Oct-99	12.38	513.67	
W-880-03	8-Dec-99	9.22	516.83	
W-880-03	13-Jan-00	7.99	518.06	
W-880-03	15-Feb-00	6.7	519.35	
W-880-03	10-Mar-00	5.75	520.3	
W-880-03	10-Apr-00	5.83	520.22	
W-880-03	8-May-00	6.31	519.74	
W-880-03	8-Jun-00	7.38	518.67	
W-880-03	11-Jul-00	7.48	518.57	
W-880-03	8-Aug-00	11.65	514.4	
W-880-03	8-Sep-00	14.36	511.69	
W-880-03	8-Sep-00	14.36	511.69	
W-880-03	5-Oct-00	14.54	511.51	CB
W-880-03	1-Nov-00	12.68	513.37	CB
W-880-03	8-Dec-00	9.82	516.23	CB
W-880-03	10-Jan-01	6.81	519.24	
W-880-03	7-Feb-01	6.39	519.66	
W-880-03	9-Mar-01	3.65	522.4	
W-880-03	6-Apr-01	2.85	523.2	
W-880-03	1-May-01	2.94	523.11	
W-880-03	8-Jun-01	6.48	519.57	
W-880-03	16-Jul-01	10.02	516.03	
W-880-03	9-Aug-01	11.59	514.46	
W-880-03	13-Sep-01	12.85	513.2	
W-880-03	10-Oct-01	13.31	512.74	
W-880-03	14-Nov-01	10.78	515.27	
W-880-03	4-Dec-01	10.42	515.63	
W-880-03	10-Jan-02	6.9	519.15	
W-880-03	24-Jan-02	6.64	519.41	PS
W-880-03	7-Feb-02	6.65	519.4	

Table A-1. Ground water elevations, Building 832 Canyon OU.

LOCATION	SAMPLED	DEPTH TO WATER	ELEVATION	REPORT_NOTE
W-880-03	7-Mar-02	5.15	520.9	
W-880-03	5-Apr-02	4.6	521.45	
W-880-03	1-May-02	0.	0.	NM
W-880-03	1-Jun-02	5.4	520.65	
W-880-03	23-Jul-02	11.04	515.01	
W-880-03	6-Aug-02	11.88	514.17	
W-880-03	6-Sep-02	13.21	512.84	
W-880-03	2-Oct-02	13.69	512.36	
W-880-03	6-Jan-03	7.77	518.28	
W-880-03	4-Feb-03	6.53	519.52	
W-880-03	4-Mar-03	5.18	520.87	
W-880-03	14-Apr-03	4.42	521.63	
W-880-03	21-Jul-03	11.49	514.56	
W-880-03	8-Oct-03	14.58	511.47	
W-880-03	5-Jan-04	7.41	518.64	
W-880-03	7-Apr-04	7.	519.05	
W-880-03	6-Jul-04	11.	515.05	
W-880-03	4-Oct-04	12.43	513.62	
W-880-03	20-Jan-05	3.94	522.11	
SPRING3	12-Dec-00	4.18	552.54	ps
SPRING3	7-Feb-01	4.08	552.64	
SPRING3	21-Feb-01	3.85	552.87	PS
SPRING3	19-Sep-01	4.81	551.91	PS
SPRING3	17-Dec-01	4.48	552.24	PS
SPRING3	2-Apr-02	0.	0.	NM
SPRING3	2-May-02	4.47	552.25	
SPRING3	8-Jun-02	4.75	551.97	
SPRING3	23-Jul-02	5.01	551.71	
SPRING3	2-Aug-02	5.19	551.53	
SPRING3	9-Sep-02	5.2	551.52	
SPRING3	9-Oct-02	4.96	551.76	
SPRING3	14-Jan-03	4.44	552.28	
SPRING3	6-Feb-03	4.4	552.32	
SPRING3	10-Mar-03	4.55	552.17	
SPRING3	15-Apr-03	4.62	552.1	
SPRING3	1-Jul-03	5.61	551.11	
SPRING3	10-Oct-03	4.96	551.76	
SPRING3	15-Jan-04	4.89	551.83	
SPRING3	15-Apr-04	5.15	551.57	
SPRING3	8-Jul-04	5.36	551.36	
SPRING3	6-Oct-04	5.42	551.3	
SPRING3	15-Jan-05	18.99	537.73	

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-35B-01	RTN	19-Nov-97	< 1	U					< 1	U	< 0.5	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-35B-01	RTN	22-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	24-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	UO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	3-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-35B-01	RTN	19-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-35B-01	RTN	14-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	27-Aug-99	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	10-Dec-99	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-35B-01	RTN	4-Feb-00	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	31-May-00	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-35B-01	RTN	25-Jul-00	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-35B-01	RTN	26-Oct-00	0.9		< 0.5	U	< 0.5	U	< 0.5	U	0.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	23-Jan-01	0.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	BLU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.3	BL	< 0.5	U
W-35B-01	RTN	14-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	19-Jul-01	1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	25-Oct-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	23-Jan-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	20-May-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-35B-01	RTN	20-Aug-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	26-Nov-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-35B-01	RTN	23-Apr-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-35B-01	RTN	15-Jul-03	0.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-35B-01	RTN	10-Oct-03	0.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-35B-01	RTN	23-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-35B-01	RTN	20-Apr-04	0.5	O	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-35B-01	RTN	12-Jul-04	0.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-35B-01	RTN	25-Oct-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-35B-01	RTN	25-Oct-04	0.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U			< 3	U
W-35C-06	DUP	8-Jan-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 2	P
W-35C-06	RTN	8-Jan-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 2	P
W-35C-06	RTN	13-May-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 2	P
W-35C-06	RTN	8-Aug-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-35C-06	RTN	29-Oct-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-35C-06	RTN	11-May-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-35C-06	RTN	3-Nov-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-35C-06	RTN	7-Jun-93	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U
W-35C-06	RTN	5-Aug-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-35C-06	RTN	5-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-35C-06	RTN	29-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-4C	RTN	10-Mar-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 2	P
W-4C	RTN	16-Jun-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-4C	DUP	16-Jun-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-4C	RTN	28-Jul-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-4C	RTN	7-Dec-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-4C	RTN	22-Feb-93	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 1	P	< 0.5	P	< 0.5	P	< 0.5	P
W-4C	RTN	3-Jun-93	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U
W-4C	RTN	16-Feb-94	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	24-Mar-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	7-May-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	16-Apr-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	11-May-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	22-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-4C	RTN	30-May-00	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 3	U
W-4C	RTN	23-Apr-01	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-4C	RTN	25-Oct-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	24-Jan-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	5-Jun-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-4C	RTN	20-Aug-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	28-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-4C	RTN	5-Aug-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-4C	RTN	5-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-4C	RTN	2-Aug-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-6BS	RTN	5-Feb-87	< 0.5	P					< 0.5	P	2.7	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	12-Feb-87	< 0.5	P					< 0.5	P	2.2	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	19-Mar-87	< 0.5	P					< 0.5	P	1.4	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	23-Jun-87	< 1	P					< 1	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P			< 1	P
W-6BS	RTN	24-Sep-87	< 1	P					< 1	P	1	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P			< 1	P
W-6BS	RTN	8-Dec-87	< 0.5	P					< 0.5	P	1.2	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	10-Mar-88	< 0.5	P					< 0.5	P	1.6	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	HYI	26-Apr-88	< 0.5	P					< 0.5	P	1.1	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	HYI	26-Apr-88	< 0.5	P					< 0.5	P	1.1	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	27-Jun-88	< 0.5	P					< 0.5	P	0.8	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	1.2	P	< 0.5	P
W-6BS	RTN	3-Nov-88	< 0.5	P					< 0.5	P	1.8	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	3-Feb-89	< 0.5	P					< 0.5	P	2	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	19-Apr-89	< 0.5	P					0.5	P	2.4	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-6BS	RTN	10-Jul-89	< 0.5	P					< 0.5	P	6.3	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	16-Oct-89	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	10	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	22-Feb-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	7.3	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	10-May-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	5.4	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	9-Aug-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	4.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	2-Nov-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	5.7	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	28-Feb-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	12	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	17-May-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	9.6	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	10-Sep-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	4	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	24-Oct-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	3.2	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	20-May-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	2	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	4-Nov-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	0.88	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	9-Jun-93	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.71		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U
W-6BS	RTN	27-Jul-93	< 0.5	U					< 0.5	U	0.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	10-Feb-94	< 0.5	U					< 0.5	U	0.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	26-Apr-94	< 0.5	U					< 0.5	U	1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	DUP	26-Apr-94	< 0.5	U					< 0.5	U	1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U					< 0.5	U
W-6BS	RTN	20-Dec-94	< 0.5	U					< 0.5	U	1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	28-Mar-95	< 0.5	U					< 0.5	U	0.95		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	18-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	20-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	13-May-98	< 0.5	U	< 0.5	U	< 0.5	U			4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	30-Apr-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	26-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	DUP	26-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	21-Aug-03	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	0.9	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U		
W-6BS	DUP	21-Aug-03	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	0.9	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U		
W-6BS	RTN	23-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U		
W-6BS	DUP	17-Aug-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-6BS	RTN	17-Aug-04									1.1	IJ																
W-6ES	RTN	25-Jul-88	< 1	P					< 1	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P			< 1	P
W-6ES	RTN	4-Nov-88	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	2-Feb-89	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	4-Apr-89	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	12-Jul-89	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	12-Oct-89	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	20-Feb-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	8-May-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	7-Aug-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	2-Nov-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	8-Feb-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	13-May-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	7-Aug-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	29-Oct-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	11-May-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	3-Nov-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	23-Feb-94	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	24-Mar-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	6-May-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	8-May-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	13-May-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	14-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	20-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	24-Apr-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	5-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	21-Aug-03	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U		
W-6ES	RTN	5-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U		
W-814-04	RTN	3-May-94	< 1	U					< 1	U	< 0.5	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	6-Dec-94	< 1	U					< 1	U	< 0.5	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	8-May-96	< 1	U					< 1	U	< 0.5	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	22-May-96	< 1	U					< 1	U	< 0.5	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	8-May-97	< 1	U					< 1	U	< 0.5	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	21-May-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-814-04	RTN	14-Jun-99	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 3	U
W-814-04	RTN	13-Jun-00	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 3	U
W-814-04	RTN	19-Jun-01	< 1	HU	< 1	HU	< 1	HU	< 1	HU	< 1	HLU	< 1	HLU	< 1	HU	< 1	HU	< 1	HU	< 1	HU	< 1	HU	< 1	HU	< 3	HU
W-814-04	RTN	28-Nov-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	29-Jan-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	24-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	27-Sep-02	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 3	U
W-814-04	RTN	23-Nov-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	17-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U		
W-814-04	RTN	23-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U		
W-814-04	RTN	24-Aug-04	< 0.5	UIJ	< 0.5	UIJ	< 0.5	UIJ	< 0.5	UIJ	< 0.5	UIJ	< 0.5	UIJ	< 0.5	UIJ	< 0.5	UIJ	< 0.5	UIJ	< 0.5	UIJ	< 0.5	UIJ	< 3	UIJ		
W-830-04A	RTN	26-Nov-85	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	10-Feb-86	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	FLAG	cis-1,2-DCE ug/L RESULT	FLAG	trans-1,2-DCE ug/L RESULT	FLAG	Total 1,2-DCE ug/L RESULT	FLAG	TCE ug/L RESULT	FLAG	PCE ug/L RESULT	FLAG	1,1-DCA ug/L RESULT	FLAG	1,2-DCA ug/L RESULT	FLAG	1,1,1-TCA ug/L RESULT	FLAG	Chloroform ug/L RESULT	FLAG	Freon 11 ug/L RESULT	FLAG	Freon 113 ug/L RESULT	FLAG	Methylene chloride ug/L RESULT	FLAG
W-830-04A	RTN	25-Jun-86	< 0.5	P					< 0.5	P	3	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	20-Aug-86	< 0.5	P					< 0.5	P	6.2	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	23-Sep-86	< 0.5	P					< 0.5	P	2.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	21-Nov-86	< 0.5	P					< 0.5	P	3.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	18-Mar-87	< 0.5	P					< 0.5	P	3.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	29-Jun-87	< 0.5	P					< 0.5	P	2.1	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	21-Sep-87	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	1.3	P
W-830-04A	RTN	10-Dec-87	< 0.5	P					< 0.5	P	4.7	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	8-Mar-88	< 0.5	P					< 0.5	P	3.8	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	30-Jun-88	< 0.5	P					< 0.5	P	2.3	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	18-Oct-88	< 0.5	P					< 0.5	P	3.3	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	1-Feb-89	< 0.5	P					< 0.5	P	3.9	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	13-Apr-89	< 0.5	P					< 0.5	P	3.4	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	18-Jul-89	< 0.5	P					< 0.5	P	3.3	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	12-Oct-89	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	3	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	17-Jan-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	2.9	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	29-May-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	2.2	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	22-Aug-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	1.9	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	26-Nov-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	4.1	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	26-Nov-90	< 0.2	P	< 0.4	P	< 0.4	P	< 0.4	P	2.6	P	< 0.5	P	< 0.4	P	< 0.3	P	< 0.5	P	< 0.5	P	< 0.4	P	< 0.6	P	< 2	P
W-830-04A	RTN	5-Mar-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	3.7	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	DUP	5-Mar-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	3.4	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	17-May-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	2.6	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	5-Sep-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	4.1	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	5-Dec-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	4.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	23-Jun-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	3.7	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	26-Oct-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	2.3	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	10-Feb-93	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	4.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	27-Apr-93	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	2.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U
W-830-04A	RTN	19-Aug-93	< 0.5	U					< 0.5	U	2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	13-Dec-93	< 0.5	U					< 0.5	U	2.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	DUP	16-Dec-93	< 0.5	U					< 0.5	U	2.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	15-Mar-94	< 0.5	U					< 0.5	U	2.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	12-May-94	< 0.5	U					< 0.5	U	2.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	LVP	10-Aug-94	< 0.5	U					< 0.5	U	1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	LVP	10-Aug-94	< 0.5	U					< 0.5	U	2.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	10-Aug-94	< 0.5	U					< 0.5	U	2.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	16-Dec-94	< 0.5	U					< 0.5	U	2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	21-Feb-95	< 0.5	U					< 0.5	U	2.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	12-May-95	< 0.5	U					< 0.5	U	2.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	21-Jul-95	< 0.5	U					< 0.5	U	2.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-04A	RTN	30-Nov-95	< 0.5	U					< 0.5	U	2.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	25-Jan-96	< 0.5	U					< 0.5	U	2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	12-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			5.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	23-Aug-96	< 0.5	U	< 0.5	U	< 0.5	U			2.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	11-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			2.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	25-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			1.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	13-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	20-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			2.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	14-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			2.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	20-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			2.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	29-May-98	< 0.5	U	< 0.5	U	< 0.5	U			19		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.95		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	RTN	23-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	RTN	23-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	8.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	RTN	27-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	5.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	RTN	15-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	2.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	RTN	2-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	RTN	21-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	RTN	3-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	4.58		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	DUP	6-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	RTN	6-Jun-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	0.87	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-04A	RTN	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	RTN	20-Aug-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	4.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-830-04A	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	DUP	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	RTN	21-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	2.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-04A	DUP	21-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	5.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-05	RTN	16-Oct-85	< 0.5	P					< 0.5	P	1.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	26-Nov-85	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	10-Feb-86	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	30-Jun-86	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	23-Sep-86	< 0.5	P					< 0.5	P	0.8	P	1.5	P	< 0.5	P	< 0.5	P	< 0.5	P	1	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	23-Dec-86	< 0.5	P					1.3	P	0.8	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	0.9	P	< 0.5	P	0.8	P	< 0.5	P
W-830-05	RTN	19-Mar-87	< 0.5	P					< 0.5	P	1.2	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	FLAG	cis-1,2-DCE ug/L RESULT	FLAG	trans-1,2-DCE ug/L RESULT	FLAG	Total 1,2-DCE ug/L RESULT	FLAG	TCE ug/L RESULT	FLAG	PCE ug/L RESULT	FLAG	1,1-DCA ug/L RESULT	FLAG	1,2-DCA ug/L RESULT	FLAG	1,1,1-TCA ug/L RESULT	FLAG	Chloroform ug/L RESULT	FLAG	Freon 11 ug/L RESULT	FLAG	Freon 113 ug/L RESULT	FLAG	Methylene chloride ug/L RESULT	FLAG
W-830-05	RTN	19-Mar-87	< 0.5	P					< 0.5	P	0.9	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	22-Jun-87	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	0.6	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	22-Sep-87	< 0.5	P					< 0.5	P	< 0.5	P	0.6	P	< 0.5	P	< 0.5	P	< 0.5	P	0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	9-Dec-87	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	2.2	P	6.3	P
W-830-05	RTN	10-Mar-88	< 0.5	P					< 0.5	P	1.6	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	28-Jun-88	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	18-Oct-88	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	2-Feb-89	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	14-Apr-89	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	0.9	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	18-Jul-89	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	10-Oct-89	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	18-Jan-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	1-Jun-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	22-Aug-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	27-Nov-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	6-Mar-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	22-May-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	6-Sep-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	18-Dec-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	24-Jun-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	26-Oct-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	11-Feb-93	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	11-Feb-93	< 0.2	P	< 0.4	P	< 0.4	P	< 0.4	P	< 0.3	P	< 0.5	P	< 0.4	P	< 0.3	P	< 0.5	P	< 0.5	P	< 0.4	P	< 0.6	P	< 2	P
W-830-05	RTN	27-Apr-93	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U
W-830-05	RTN	29-Sep-93	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	DUP	29-Sep-93	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	13-Dec-93	< 0.5	U					< 0.5	U	1.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	7-Mar-94	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	20-Jun-94	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	DUP	20-Jun-94	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	16-Dec-94	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	23-Feb-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	11-May-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	19-Jul-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U	< 0.5	U
W-830-05	RTN	1-Dec-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	22-Jan-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	10-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	23-Aug-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	16-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	21-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	16-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	19-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	14-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	19-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	22-May-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.52		< 0.5	U	< 0.5	U	< 1	U
W-830-05	RTN	28-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.77		< 1	U
W-830-05	DUP	28-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-05	RTN	23-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-05	RTN	16-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-05	RTN	15-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-05	RTN	28-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-05	RTN	21-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.51		< 0.5	U	< 0.5	U	< 1	U
W-830-05	RTN	3-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	6-Jun-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-05	RTN	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-05	RTN	30-Jul-03	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	FU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	20-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-07	LVP	1-Feb-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-07	RTN	1-Feb-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	5-Feb-86	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	30	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	10-Feb-86	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	27-Jun-86	< 0.5	P					< 0.5	P	8.6	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	20-Aug-86	< 0.5	P					< 0.5	P	17	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	23-Sep-86	< 0.5	P					< 0.5	P	1.2	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	18-Mar-87	< 0.5	P					1	P	5.9	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	29-Jun-87	< 1	P					< 1	P	4	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P	< 1	P			< 1	P
W-830-09	RTN	22-Sep-87	< 0.5	P					< 0.5	P	11	P	0.9	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	11-Dec-87	< 0.5	P					0.7	P	22	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	0.6	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	9-Mar-88	< 0.5	P					< 0.5	P	9.3	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	9-Mar-88	< 0.5	P					< 0.5	P	9.3	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	17-Oct-88	< 0.5	P					0.9	P	7	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	2-Feb-89	< 0.5	P					1.2	P	11	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	17-Apr-89	< 0.5	P					0.5	P	8	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	FLAG	cis-1,2-DCE ug/L RESULT	FLAG	trans-1,2-DCE ug/L RESULT	FLAG	Total 1,2-DCE ug/L RESULT	FLAG	TCE ug/L RESULT	FLAG	PCE ug/L RESULT	FLAG	1,1-DCA ug/L RESULT	FLAG	1,2-DCA ug/L RESULT	FLAG	1,1,1-TCA ug/L RESULT	FLAG	Chloroform ug/L RESULT	FLAG	Freon 11 ug/L RESULT	FLAG	Freon 113 ug/L RESULT	FLAG	Methylene chloride ug/L RESULT	FLAG
W-830-09	RTN	19-Jul-89	< 0.5	P					0.6	P	11	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	12-Oct-89	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	19	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	DUP	18-Jan-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	12	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	18-Jan-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	9.9	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	1-Jun-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	11	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	24-Aug-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	7.6	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	27-Nov-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	7.7	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	6-Mar-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	8.7	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	22-May-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	8.4	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	6-Sep-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	4.2	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	6-Dec-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	3.9	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	25-Jun-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	2.8	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	26-Oct-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	0.92	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	16-Feb-93	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	1.9	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	27-Apr-93	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.95		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U
W-830-09	RTN	19-Aug-93	< 0.5	U					< 0.5	U	1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	17-Dec-93	< 0.5	U					< 0.5	U	2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	11-Mar-94	< 0.5	U					< 0.5	U	0.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	8-Jun-94	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	15-Jul-94	< 0.5	U					< 0.5	U	0.78		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	15-Jul-94	< 0.5	U					< 0.5	U	0.57		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U
W-830-09	RTN	16-Dec-94	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	DUP	8-Mar-95	< 0.5	U					< 0.5	U	0.68		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	8-Mar-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	16-May-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	27-Jul-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-09	LVP	1-Dec-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	LVP	1-Dec-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	1-Dec-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	5-Feb-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	14-May-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	24-Sep-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	LOU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	13-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	27-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	20-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	19-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	24-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	19-Mar-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	15-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	18-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	UE	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-09	RTN	15-Dec-98	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU
W-830-09	RTN	17-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-09	RTN	2-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-09	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-09	RTN	15-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-09	RTN	14-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-09	RTN	28-Aug-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	28-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	26-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	18-Mar-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	66	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 2	P
W-830-10	RTN	24-Jun-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	110	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-10	DUP	26-Oct-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	98	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-10	RTN	26-Oct-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	72	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-10	RTN	16-Feb-93	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	76	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-10	RTN	27-Apr-93	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	80		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U
W-830-10	RTN	19-Aug-93	< 0.5	U					< 0.5	U	63		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	13-Dec-93	< 0.5	U					< 0.5	U	84		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	7-Mar-94	< 0.5	U					< 0.5	U	68	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	12-May-94	< 0.5	U					< 0.5	U	77	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	LVP	10-Aug-94	< 0.5	U					< 0.5	U	65	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	LVP	10-Aug-94	< 0.5	U					< 0.5	U	76	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	10-Aug-94	< 0.5	U					< 0.5	U	76	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	LVP	21-Dec-94	< 0.5	U					< 0.5	U	45	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	LVP	21-Dec-94	< 0.5	U					< 0.5	U	62	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	21-Dec-94	< 0.5	U					< 0.5	U	61	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	16-Mar-95	< 0.5	U					< 0.5	U	67	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	12-May-95	< 0.5	U					< 0.5	U	59	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	21-Jul-95	< 0.5	U					< 0.5	U	82	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-10	RTN	6-Dec-95	< 0.5	U					< 0.5	U	58	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	26-Jan-96	< 0.5	U					< 0.5	U	63	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	15-May-96	< 0.5	U	< 0.5	U	< 0.5	U			76	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	28-Aug-96	< 0.5	U	< 0.5	U	< 0.5	U			61	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	DUP	11-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			78	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	11-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			77	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	26-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			73	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	17-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			67	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	FLAG	cis-1,2-DCE ug/L RESULT	FLAG	trans-1,2-DCE ug/L RESULT	FLAG	Total 1,2-DCE ug/L RESULT	FLAG	TCE ug/L RESULT	FLAG	PCE ug/L RESULT	FLAG	1,1-DCA ug/L RESULT	FLAG	1,2-DCA ug/L RESULT	FLAG	1,1,1-TCA ug/L RESULT	FLAG	Chloroform ug/L RESULT	FLAG	Freon 11 ug/L RESULT	FLAG	Freon 113 ug/L RESULT	FLAG	Methylene chloride ug/L RESULT	FLAG
W-830-10	DUP	17-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			68	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	26-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			62	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	14-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			78	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	DUP	14-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			75	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	24-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			120	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	19-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			86	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	63		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	HYI	9-Nov-98	< 0.5	U	< 0.5	U	< 0.5	U			67	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	HYI	9-Nov-98	< 0.5	U	< 0.5	U	< 0.5	U			67	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	23-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	65	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	RTN	11-Mar-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	58	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	57	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	RTN	27-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	58		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	RTN	15-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	54	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	RTN	3-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	50	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.51		< 1	U
W-830-10	RTN	23-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	59		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	RTN	28-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	51	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	RTN	17-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	93		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	RTN	30-Jan-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	78	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU
W-830-10	RTN	17-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	88		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U		
W-830-10	RTN	19-Sep-01	< 4	DU	< 4	DU	< 4	DU	< 4	DU	64	D	< 4	DU	< 4	DU	< 4	DU	< 4	DU	< 4	DU	< 4	DU	< 4	DU	< 4	DU
W-830-10	RTN	26-Dec-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	97	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	DUP	31-Jan-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	100	DLO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	31-Jan-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	96	DLO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	12-Aug-02	< 2.5	DU	< 2.5	ODU	< 2.5	ODU	< 2.5	DU	130	OD	< 2.5	ODU	< 2.5	ODU	< 2.5	ODU	< 2.5	ODU	< 2.5	ODU	< 2.5	DU	< 2.5	ODU	< 2.5	DU
W-830-10	DUP	23-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	100	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	23-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	94	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	94		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	DUP	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	91		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-10	RTN	25-Aug-03	< 1	DU	< 1	DU	< 1	DU	< 1	DU	78	DL	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-10	RTN	10-Feb-04	< 1	DU	< 1	DU	< 1	DU	< 1	DU	90	D	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-10	RTN	27-Jul-04	< 1	DU	< 1	DU	< 1	DU	< 1	DU	110	DL	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-10	DUP	27-Jul-04	< 1	DU	< 1	DU	< 1	DU	< 1	DU	110	DL	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-11	RTN	25-Jun-92	< 0.5	P	1	P	< 0.5	P	1	P	8.4	P	1.2	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 2	P
W-830-11	RTN	25-Jun-92	< 0.5	P	0.8	P	< 0.5	P	0.8	P	9.2	P	1.1	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P			< 0.5	P
W-830-11	RTN	26-Oct-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	3.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-11	RTN	16-Feb-93	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	4	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-11	RTN	27-Apr-93	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U
W-830-11	RTN	19-Aug-93	< 0.5	U					< 0.5	U	2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	13-Dec-93	< 0.5	U					< 0.5	U	3.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	7-Mar-94	< 0.5	U					< 0.5	U	3.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	LVP	10-Aug-94	< 0.5	U					< 0.5	U	1.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	LVP	10-Aug-94	< 0.5	U					< 0.5	U	2.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	11-Aug-94	< 0.5	U					< 0.5	U	1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	16-Dec-94	< 0.5	U					< 0.5	U	2.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	DUP	16-Dec-94	< 0.5	U					< 0.5	U	2.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	22-Feb-95	< 0.5	U					< 0.5	U	2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	12-May-95	< 0.5	U					< 0.5	U	2.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	21-Jul-95	< 0.5	U					< 0.5	U	2.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-11	RTN	30-Nov-95	< 0.5	U					< 0.5	U	1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	26-Jan-96	< 0.5	U					< 0.5	U	1.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	26-Jan-96	< 0.5	U			< 0.5	U			2	O	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU
W-830-11	RTN	12-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			4.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	28-Aug-96	< 0.5	U	< 0.5	U	< 0.5	U			2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	11-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			1.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	25-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	DUP	25-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			1.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	17-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			1.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	DUP	17-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	20-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			1.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	14-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			1.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	DUP	19-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	19-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	28-May-98	< 0.5	U	< 0.5	U	< 0.5	U			0.97		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	23-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	23-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	16-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	15-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	DUP	15-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	28-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	21-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	28-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	17-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	DUP	30-Jan-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-830-11	RTN	30-Jan-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU
W-830-11	RTN	17-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U		
W-830-11	RTN	19-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	18-Dec-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	31-Jan-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LUO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	6-Jun-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-11	RTN	19-Aug-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	23-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	30-Jul-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	DUP	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-11	RTN	20-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-12	RTN	21-Dec-94	< 1	U					< 1	U	< 0.5	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-12	RTN	8-Mar-95	< 1	ULO					< 1	U	< 0.5	ULO	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-12	RTN	16-May-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	27-Jul-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-12	RTN	8-Dec-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	5-Feb-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	19-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	24-Sep-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	LOU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	13-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	27-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	20-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	19-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	24-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	18-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-12	RTN	15-Dec-98	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU
W-830-12	DUP	24-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-12	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-12	RTN	28-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-12	RTN	17-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-12	RTN	2-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-12	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-12	RTN	15-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-12	RTN	14-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-12	RTN	28-Aug-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	9-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	27-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	16-Mar-95	< 1	U					< 1	U	18	LO	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-13	RTN	12-May-95	< 0.5	U					< 0.5	U	10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	24-Jul-95	< 0.5	U					< 0.5	U	11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-13	LVP	20-Dec-95	< 0.5	U					< 0.5	U	8.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	LVP	20-Dec-95	< 0.5	U					< 0.5	U	11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	20-Dec-95	< 0.5	U					< 0.5	U	17		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	26-Jan-96	< 0.5	U					< 0.5	U	14		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	12-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			14		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	11-Sep-96	< 0.5	U	< 0.5	U	< 0.5	U			12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	11-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	DUP	26-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	26-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	19-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	26-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	10-Dec-97	< 0.5	U	< 0.5	U	< 0.5	U			10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	27-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	22-May-98	< 0.5	U	< 0.5	U	< 0.5	U			11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	8.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	DUP	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U			8	O	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	8-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	RTN	25-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U			11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	DUP	30-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	8.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	RTN	30-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	8.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	RTN	29-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	DUP	29-Sep-99	< 0.5	U			< 0.5	U	< 1	U	8.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	RTN	15-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	RTN	28-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	DUP	28-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	RTN	23-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	RTN	15-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	RTN	17-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	6.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-13	RTN	31-Jan-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	8.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U		
W-830-13	RTN	17-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U		
W-830-13	DUP	17-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	13		< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	25-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	9.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	18-Dec-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	3.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	12-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	11	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-830-13	RTN	30-Sep-02	< 0.5	U	< 0.5	OU	< 0.5	OU	< 0.5	U	26	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU	< 0.5	OU
W-830-13	RTN	23-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	21-Mar-03	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	21	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU
W-830-13	RTN	20-Aug-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-830-13	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	27-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	13	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	16-Mar-95	< 1	U					< 1	U	9.3	LO	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-14	RTN	18-May-95	< 0.5	U					0.67		8.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	DUP	18-May-95	< 0.5	U					< 0.5	U	8.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	24-Jul-95	< 0.5	U					0.66		9.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-14	RTN	6-Dec-95	< 0.5	U					0.62		7.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	6-Dec-95	< 0.5	U			< 0.5	U			9.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	26-Jan-96	< 0.5	U					0.53		8.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	12-Jun-96	< 0.5	U	0.6		< 0.5	U			10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	DUP	12-Jun-96	< 0.5	U	0.53		< 0.5	U			9.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	DUP	11-Sep-96	< 0.5	U	0.61		< 0.5	U			8.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	11-Sep-96	< 0.5	U	< 0.5	U	< 0.5	U			7.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	16-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	28-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			8.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	18-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			9.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	8-Sep-97	< 0.5	U	0.59		< 0.5	U			10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	10-Dec-97	< 0.5	U	0.63		< 0.5	U			9.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	27-Feb-98	< 0.5	U	0.7		< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	10		< 0.5	U	< 0.5	U
W-830-14	RTN	19-Jun-98	< 0.5	U	0.51		< 0.5	U			11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	29-Sep-98	< 0.5	U	1.3		< 0.5	U	1.3		9.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	23-Dec-98	< 0.5	U	1.4		< 0.5	U	1.4		11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	11-Mar-99	< 0.5	U	1.3		< 0.5	U	1.3		10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	29-Jun-99	< 0.5	U	1.4		< 0.5	U	1.4		11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	23-Sep-99	< 0.5	U	0.94		< 0.5	U	< 1	U	6.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	15-Dec-99	< 0.5	U	1.1		< 0.5	U	1.1		7.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	3-Feb-00	< 0.5	U	1.1		< 0.5	U	1.1		6.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	21-Jun-00	< 0.5	U	0.85		< 0.5	U	< 1	U	4.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	28-Jul-00	< 0.5	U	1		< 0.5	U	1		5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	17-Nov-00	< 0.5	U	0.66		< 0.5	U	< 1	U	3.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	30-Jan-01	< 0.5	U	0.89		< 0.5	U	< 1	U	3.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU		
W-830-14	RTN	17-May-01	< 0.5	U	0.74		< 0.5	U	< 1	U	3.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U				
W-830-14	RTN	19-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	26-Dec-01	< 0.5	U	0.63		< 0.5	U	< 1	U	2.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-14	RTN	12-Mar-02	< 0.5	U	0.72		< 0.5	U	< 1	U	2	J	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	DUP	12-Mar-02	< 0.5	LOU	0.77	LO	< 0.5	LOU	< 0.5	LOU	2.2	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-14	RTN	20-Jun-02	< 0.5	U	0.56		< 0.5	U	< 1	U	2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	12-Aug-02	< 0.5	U	0.57	O	< 0.5	OU	0.57		1.8	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU
W-830-14	DUP	12-Aug-02	< 0.5	U	0.53	O	< 0.5	OU	0.53		2	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU
W-830-14	RTN	23-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	DUP	14-Mar-03	< 0.5	U	0.55		< 0.5	U	< 1	U	2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	14-Mar-03	< 0.5	U	0.56		< 0.5	U	< 1	U	2.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	20-Aug-03	< 0.5	LU	0.5		< 0.5	U	0.5		1.6	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-830-14	RTN	10-Feb-04	< 0.5	U	0.68		< 0.5	U	< 0.5	U	1.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	DUP	20-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-14	RTN	20-Jul-04	< 0.5	U	0.53		< 0.5	U	< 0.5	U	1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	16-Mar-95	< 1	U					< 1	U	< 0.5	LOU	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-15	RTN	16-May-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	21-Jul-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-15	RTN	1-Dec-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	1-Dec-95	< 0.5	U			< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	22-Jan-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	10-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	23-Aug-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	16-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	27-Mar-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	UO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	16-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	19-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	12-Dec-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	19-Mar-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	22-May-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-15	RTN	22-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-15	RTN	23-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-15	RTN	15-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-15	RTN	3-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-15	RTN	14-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-15	RTN	20-Aug-03	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U		
W-830-15	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	20-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	25-Jan-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	11-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	ULO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	FLAG	cis-1,2-DCE ug/L RESULT	FLAG	trans-1,2-DCE ug/L RESULT	FLAG	Total 1,2-DCE ug/L RESULT	FLAG	TCE ug/L RESULT	FLAG	PCE ug/L RESULT	FLAG	1,1-DCA ug/L RESULT	FLAG	1,2-DCA ug/L RESULT	FLAG	1,1,1-TCA ug/L RESULT	FLAG	Chloroform ug/L RESULT	FLAG	Freon 11 ug/L RESULT	FLAG	Freon 113 ug/L RESULT	FLAG	Methylene chloride ug/L RESULT	FLAG
W-830-16	RTN	22-Aug-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	16-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	20-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	16-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	8-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	17-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	26-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	22-May-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-16	RTN	22-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-16	RTN	23-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-16	RTN	30-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-16	RTN	29-Sep-99	< 0.5	U			< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-16	RTN	17-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-16	RTN	3-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU
W-830-16	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-16	RTN	15-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-16	RTN	14-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-16	RTN	19-Mar-03	< 0.5	U	< 0.5	UO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	30-Apr-03	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	ULIJ	< 0.5	U	< 0.5	U	< 0.5	IJU	< 0.5	IJU	< 0.5	IJU	< 0.5	IJU	< 0.5	IJU	< 0.5	IJU
W-830-16	RTN	10-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	6-Nov-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	DUP	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	22-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.94		< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	DUP	22-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	21-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	18-Nov-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	DUP	18-Nov-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.54		< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	25-Jan-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	11-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	ULO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	22-Aug-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	16-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	20-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	16-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	8-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	17-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	26-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	22-May-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-17	RTN	22-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-17	RTN	23-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-17	RTN	30-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.55		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-17	RTN	29-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-17	RTN	17-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-17	RTN	28-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-17	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-17	RTN	22-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	18-Jun-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	OLU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-17	RTN	25-Mar-03	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	0.54	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-830-17	RTN	10-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	27-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	28-Jun-96	< 1	U					< 1	U	26		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-18	RTN	23-Aug-96	< 0.5	U	< 0.5	U	< 0.5	U			26		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	13-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			23		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	25-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			23		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	17-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			24		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	26-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			27		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	DUP	26-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			23		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	25-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			20		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	DUP	10-Mar-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	RTN	10-Mar-98	< 0.5	U	< 0.5	U	< 0.5	U			12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	29-May-98	< 0.5	U	< 0.5	U	< 0.5	U			25		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	9.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	RTN	25-Nov-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	RTN	11-Mar-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	8.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	9.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	DUP	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	9.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	28-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	6.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	RTN	17-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	6.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	DUP	17-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	6.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	RTN	2-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	7.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	RTN	21-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	7.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	RTN	28-Jul-00	< 0.5	U	0.56		< 0.5	U	< 1	U	6.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	DUP	17-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-830-18	RTN	17-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	6.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	RTN	26-Jan-01	< 0.5	U	0.5		< 0.5	U	< 1	U	6.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	RTN	22-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	4.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	24-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	4.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	DUP	24-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	4.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	26-Dec-01	< 0.5	U	0.5		< 0.5	U	< 1	U	4.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-18	RTN	31-Jan-02	< 0.5	U	0.55		< 0.5	U	< 0.5	U	4.9	LO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	6-Jun-02	< 0.5	LOU	0.52	LO	< 0.5	LOU	0.52	LO	6.4	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-18	RTN	24-Sep-02	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	5.5		< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	23-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	5.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	28-Jan-03	< 0.5	U	0.68	O	< 0.5	U	< 0.5	U	5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	OU
W-830-18	DUP	28-Jan-03	< 1	DU	< 1	UDO	< 1	DU	< 1	DU	5.3	D	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	UDO	< 1	DU	< 1	DU	< 1	UDO
W-830-18	RTN	14-Aug-03	< 0.5	U	0.5		< 0.5	U	0.5		6.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 3	U
W-830-18	DUP	14-Aug-03	< 0.5	U	0.58		< 0.5	U	< 0.5	U	5.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	10-Feb-04	< 0.5	U	0.77		< 0.5	U	< 0.5	U	4.8	F	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	21-Jul-04	< 0.5	U	0.69		< 0.5	U	< 0.5	U	5.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-19	RTN	28-Jun-96	1.8						< 1	U	6600	D	7.8		< 1	U	2.2		< 1	U	1.9		1.1		< 1	U	< 1	U
W-830-19	RTN	24-Sep-96	< 25	DU	< 25	DU	< 25	DU			6100	DLO	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-19	DUP	13-Dec-96	< 300	DU			< 300	DU			5000	D	< 300	DU	< 300	DU	< 300	DU	< 300	DU	< 300	DU	< 300	DU	< 300	DU	< 500	DU
W-830-19	RTN	13-Dec-96	< 25	DU	< 25	DU	< 25	DU			7000	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-19	RTN	6-Mar-97	< 50	DU	< 50	DU	< 50	DU			7900	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-19	RTN	25-Jun-97	< 50	DU	< 50	DU	< 50	DU			6800	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-19	RTN	9-Sep-97	< 25	DU	< 25	DU	< 25	DU			7800	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-19	RTN	26-Nov-97	< 25	DU	< 25	DU	< 25	DU			5500	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-19	RTN	24-Feb-98	< 13	DU	< 13	DU	< 13	DU			6400	D	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU
W-830-19	RTN	28-May-98	< 50	DU	< 50	DU	< 50	DU			7600	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-19	RTN	18-Aug-98	2.4		< 0.5	U	< 0.5	U	< 1	U	7900	D	10		< 0.5	U	2.7		< 0.5	U	2.1		2		< 0.5	U	< 1	UE
W-830-19	RTN	25-Nov-98	< 30	DU	< 30	DU	< 50	DU	< 30	DU	7600	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-19	RTN	25-Feb-99	< 30	DU	< 30	DU	< 30	DU	< 50	DU	7600	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-19	RTN	30-Jun-99	< 50	DUL	< 50	DU	< 50	DU	< 100	DU	7900	D	< 50	DU	< 50	DU	< 50	DU			< 50	DU	< 50	DU	< 50	DU	< 100	DU
W-830-19	RTN	21-Sep-99	< 20	DU	< 20	DU	< 20	DU	< 30	DU	7000	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 30	DU
W-830-19	RTN	17-Dec-99	< 30	DU	< 30	DU	< 30	DU	< 50	DU	7400	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-19	RTN	31-Jan-00	< 20	DU	< 20	DU	< 20	DU	< 40	DU	7300	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 50	DU
W-830-19	RTN	20-Jun-00	< 30	DU	< 30	DU	< 30	DU	< 50	DU	7900	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-19	RTN	14-Aug-00	1.9		< 0.5	U	< 0.5	U	< 1	U	8300	D	9.9		< 0.5	U	2.5		< 0.5	U	1.9		1.5		< 0.5	U	< 1	U
W-830-19	RTN	21-Nov-00	< 300	DU	< 300	DU	< 300	DU	< 500	DU	8900	D	< 300	DU	< 300	DU	< 300	DU	< 300	DU	< 300	DU	< 300	DU	< 300	DU	< 500	DU
W-830-19	RTN	29-Jan-01	< 30	DU	< 30	DU	< 30	DU	< 50	DU	6800	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-19	RTN	22-May-01	< 170	DU	< 170	DU	< 170	DU	< 170	DU	6400	D	< 170	DU	< 170	DU	< 170	DU	< 170	DU	< 170	DU	< 170	DU	< 170	DU	< 170	DU
W-830-19	RTN	19-Sep-01	< 500	DU	< 500	DU	< 500	DU	< 500	DU	4400	D	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU
W-830-19	RTN	13-Dec-01	< 310	DU	< 310	DU	< 310	DU	< 310	DU	7900	D	< 310	DU	< 310	DU	< 310	DU	< 310	DU	< 310	DU	< 310	DU	< 310	DU	< 310	DU
W-830-19	RTN	15-Mar-02	< 250	DU	< 250	DU	< 250	DU	< 250	DU	8000	D	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-19	RTN	11-Jun-02	< 5	DU	< 5	DU	< 5	DU	< 10	DU	7800	D	8.8	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-19	RTN	23-Aug-02	< 250	DU	< 250	LODU	< 250	DU	< 250	DU	3100	D	< 250	LODU	< 250	LODU	< 250	DU	< 250	LODU	< 250	DU	< 250	DU	< 250	LODU	< 250	DU
W-830-19	RTN	26-Dec-02	< 100	DU	< 100	DU	< 100	DU	< 100	DU	8400	D	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU
W-830-19	DUP	19-Mar-03	1.7		< 0.5	U	< 0.5	U	< 1	U	8200	D	11		< 0.5	U	2.2		< 0.5	U	1.9		1.2		< 0.5	U	< 1	U
W-830-19	RTN	19-Mar-03	< 250	DU	< 250	DOU	< 250	DU	< 250	DU	8500	D	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-19	RTN	8-Oct-03	< 5	DU	< 5	DU	< 5	DU	< 10	DU	1900	D	5.8	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-19	RTN	13-Jan-04	< 30	DU	< 30	DU	< 30	DU	< 50	DU	6600	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-19	RTN	7-Apr-04	< 30	DU	< 30	DU	< 30	DU	< 50	DU	6600	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 200	DU
W-830-19	RTN	14-Jul-04	< 10	DU	< 10	DU	< 10	DU	< 20	DU	5800	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 20	DU
W-830-19	RTN	6-Oct-04	< 10	DU	< 10	DU	< 10	DU	< 20	DU	5000	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 20	DU
W-830-20	RTN	24-Sep-96	< 1	U					< 1	U	0.51		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-20	RTN	18-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	28-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	19-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			0.58		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	8-Sep-97	< 0.5	U	< 0.5	U	< 0.5	U			0.57		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	12-Dec-97	< 0.5	U	< 0.5	U	< 0.5	U			0.59		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	19-Mar-98	< 0.5	U	< 0.5	U	< 0.5	U			0.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	22-May-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.51		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-20	RTN	22-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.55		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-20	RTN	23-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-20	DUP	23-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-20	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.52		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-20	RTN	28-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-20	RTN	15-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-20	RTN	3-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU
W-830-20	RTN	23-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-20	RTN	22-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	6-Jun-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-20	RTN	23-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-20	RTN	24-Apr-03	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	8-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U
W-830-20	RTN	11-Oct-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	28-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-830-20	RTN	22-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	20-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	25-Oct-04	< 0.5	UO	< 0.5	UO	< 0.5	UO	< 0.5	U	< 0.5	UO	< 0.5	UO	< 0.5	UO	< 0.5	UO	< 0.5	UO	< 0.5	UO	< 0.5	UO	< 0.5	U	< 0.5	UO	< 0.5	UO
W-830-21	RTN	19-Sep-96	< 1	U					< 1	U	7.3		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-21	RTN	11-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			14		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	DUP	25-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			15		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-21	RTN	25-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			19		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	DUP	18-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			15		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-21	RTN	18-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			14		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	20-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			14		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	26-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			24		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	19-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			32		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	28-May-98	< 0.5	U	< 0.5	U	< 0.5	U			17		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	15		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-21	RTN	25-Nov-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	27		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1		< 0.5	U	< 1	U		
W-830-21	RTN	25-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	25		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-21	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	25		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-21	RTN	16-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	22		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-21	RTN	17-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	34		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-21	RTN	28-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	36		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-21	DUP	28-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	35		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-21	RTN	21-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	31		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-21	RTN	28-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	28		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-21	DUP	28-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	28		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-21	RTN	17-Nov-00	< 0.5	U	< 0.5	U	0.98		< 1	U	41		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-21	RTN	30-Jan-01	< 0.5	U	0.88		2.1		2.98		85	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU		
W-830-21	RTN	22-May-01	< 0.84	DU	< 0.84	DU	3	D	< 0.84	DU	33	D	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU
W-830-21	RTN	19-Sep-01	< 1.2	DU	< 1.2	DU	4.4	D	< 1.2	DU	27	D	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU
W-830-21	DUP	18-Dec-01	< 1.4	DU	3	D	10	D	13	D	46	D	< 1.4	DU	< 1.4	DU	< 1.4	DU	< 1.4	DU	< 1.4	DU	< 1.4	DU	< 1.4	DU	< 1.4	DU	< 1.4	DU
W-830-21	RTN	18-Dec-01	< 1	DU	3.3	D	11	D	14	D	47	D	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-21	RTN	31-Jan-02	< 0.5	U	2.4		6		< 0.5	U	50	DLO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	12-Aug-02	< 1	DU	1.5	OD	4.5	OD	6.1	D	70	OD	< 1	ODU	< 1	ODU	< 1	ODU	< 1	ODU	< 1	ODU	< 1	ODU	< 1	DU	< 1	ODU	< 1	DU
W-830-21	DUP	23-Dec-02	< 0.5	U	2		5.7		7.7		69	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	23-Dec-02	< 0.5	U	2.1		5.8		7.9		70	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	14-Mar-03	< 0.5	U	1.5		4.2		5.7		63		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-21	RTN	14-Aug-03	< 0.5	U	1.7		5.5		< 0.5	U	69		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	10-Feb-04	< 1	DU	1.2	D	3.2	D	< 1	DU	67	FD	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-21	RTN	21-Jul-04	< 2.5	DU	< 2.5	DU	4	D	< 2.5	DU	56	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-21	DUP	21-Jul-04	< 2.5	DU	< 2.5	DU	3.4	D	< 2.5	DU	59	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-22	RTN	29-Jul-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.64		< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	20-Sep-96	< 1	U					< 1	U	8.5		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-22	RTN	12-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			5.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	6-Mar-97	< 0.5	U	< 0.5	U	< 0.5	U			11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	25-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			1.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	9-Sep-97	< 0.5	U	< 0.5	U	< 0.5	U			2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	26-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			2.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	25-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			1.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	28-May-98	< 0.5	U	< 0.5	U	< 0.5	U			2.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	18-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	5.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-22	RTN	25-Nov-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	5.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-22	RTN	17-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-22	RTN	31-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-22	RTN	20-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	2.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-22	RTN	10-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-22	RTN	16-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	LU	< 1	U
W-830-22	RTN	29-Jan-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.63		< 0.5	IJU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-22	RTN	18-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU		
W-830-22	DUP	18-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	3.7	JL
W-830-22	RTN	19-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	30-Nov-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	15-Mar-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	11-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	2.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-22	RTN	23-Aug-02	< 0.5	U	< 0.5	LOU	< 0.5	U	< 0.5	U	68	D	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	U	< 0.5	LOU	< 0.5	U	< 0.5	U	< 0.5	LOU	< 0.5	U
W-830-22	RTN	26-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	14		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	19-Mar-03	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	8.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	8-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	7.5	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.6		< 0.5	U	< 0.5	OU	< 0.5	U
W-830-22	RTN	28-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	5.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	DUP	27-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	2.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-830-22	RTN	27-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	2.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-25	RTN	12-Mar-97	< 5	DU	< 5	DU	< 5	DU			4500	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-25	RTN	26-Jun-97	< 5	DU	< 5	DU	< 5	DU			600	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-25	RTN	28-Aug-97	< 5	DU	< 5	DU	< 5	DU			600	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-25	RTN	24-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			170	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-25	RTN	10-Jun-98	< 5	DU	< 5	DU	< 5	DU			830	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-25	RTN	19-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	380	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.5		< 0.5	U	< 0.5	U	< 1	U
W-830-25	DUP	19-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	350	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-830-25	RTN	25-Nov-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	500	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.56		< 0.5	U	< 0.5	U	< 1	U
W-830-25	RTN	24-Feb-99	< 3	DU	< 3	DU	< 3	DU	< 5	DU	600	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	5.1	DF
W-830-25	RTN	30-Jun-99	< 2	DUL	< 2	DU	< 2	DU	< 5	DU	580	D	< 2	DU	< 2	DU	< 2	DU			< 2	DU	< 2	DU	< 2	DU	< 5	DU
W-830-25	RTN	14-Sep-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1200	D	0.58		< 0.5	U	< 0.5	U	< 0.5	U	0.89		< 0.5	U	< 0.5	U	< 1	U
W-830-25	RTN	28-Nov-00	< 70	DU	< 70	DU	< 70	DU	< 200	DU	1200	D	< 70	DU	< 70	DU	< 70	DU	< 70	DU	< 70	DU	< 70	DU	< 70	DU	< 200	DU
W-830-25	RTN	26-Feb-01	< 7	DU	< 7	DU	< 7	DU	< 20	DU	920	D	< 7	DU	< 7	DU	< 7	DU	< 7	DU	< 7	DU	< 7	DU	< 7	DU	< 20	DU
W-830-25	RTN	30-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	790	D	0.93		< 0.5	U	< 0.5	U	< 0.5	U	0.72		< 0.5	U	< 0.5	U	< 1	U
W-830-25	RTN	20-Sep-01	< 50	DU	< 50	DU	< 50	DU	< 50	DU	650	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 500	DU
W-830-25	RTN	21-Dec-01	< 25	DU	< 25	DU	< 25	DU	< 25	DU	740	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-25	RTN	14-Mar-02	< 20	LODU	< 20	LODU	< 20	LODU	< 20	LODU	730	LOD	< 20	LODU	< 20	LODU	< 20	LODU	< 20	LODU	< 20	LODU	< 20	LODU	< 20	LODU	< 20	LODU
W-830-25	RTN	11-Jun-02	< 1	DU	< 1	DU	< 1	DU	< 2	DU	580	DIJ	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 2	DU
W-830-25	RTN	12-Aug-02	< 10	DU	< 10	ODU	< 10	ODU	< 10	DU	730	OD	< 10	ODU	< 10	ODU	< 10	ODU	< 10	ODU	< 10	ODU	< 10	ODU	< 10	DU	< 10	DU
W-830-25	RTN	30-Dec-02	< 10	DU	< 10	DU	< 10	DU	< 10	DU	920	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-25	RTN	24-Mar-03	< 50	DU	< 50	UDO	< 50	UDO	< 50	DU	660	D	< 50	UDO	< 50	UDO	< 50	UDO	< 50	UDO	< 50	UDO	< 50	DU	< 50	DU	< 50	DU
W-830-25	RTN	27-Aug-03	< 5	DU	< 5	DU	< 5	DU	< 5	DU	490	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-25	RTN	9-Feb-04	< 25	DU	< 25	DU	< 25	DU	< 25	DU	670	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-25	RTN	28-Jul-04	< 5	DU	< 5	DU	< 5	DU	< 5	DU	560	DL	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-26	RTN	20-Sep-96	< 1	U					< 1	U	27		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-26	RTN	13-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			22		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	DUP	13-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			23		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	11-Mar-97	< 0.5	U	< 0.5	U	< 0.5	U			28		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	25-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			18		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	9-Sep-97	< 0.5	U	< 0.5	U	< 0.5	U			24		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	DUP	10-Dec-97	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	26		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 1	U
W-830-26	RTN	10-Dec-97	< 0.5	U	< 0.5	U	< 0.5	U			20		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	17-Mar-98	< 0.5	U	< 0.5	U	< 0.5	U			37		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	15-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			30		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	19-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	15		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	25-Nov-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	18		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	24-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	14		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	30-Jun-99	< 0.5	UL	< 0.5	U	< 0.5	U	< 1	U	14		< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	30-Sep-99	< 0.5	U	< 0.5	LU	< 0.5	U	< 1	U	19	F	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	17-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	18		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	2-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	24		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	DUP	2-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	25		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	20-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	14		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	DUP	20-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	15		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	10-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	DUP	16-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	14		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	LU	< 1	U
W-830-26	RTN	16-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	15		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	LU	< 1	U
W-830-26	RTN	29-Jan-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	18-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU
W-830-26	RTN	20-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-26	RTN	30-Nov-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	14-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	5.7	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-26	RTN	17-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	23-Aug-02	< 0.5	U	< 0.5	LOU	< 0.5	U	< 0.5	U	10		< 0.5	LOU	< 0.5	LOU	< 0.5	U	< 0.5	LOU	< 0.5	U	< 0.5	U	< 0.5	LOU	< 0.5	U
W-830-26	RTN	19-Mar-03	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	3.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	28-Aug-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	5.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	DUP	29-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	29-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-26	RTN	27-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	5.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-27	RTN	19-Sep-96	< 1	U					< 1	U	310	D	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-27	RTN	12-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			140	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	12-Mar-97	< 0.5	U	< 0.5	U	< 0.5	U			120	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	26-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			170	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	28-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			170	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	10-Dec-97	< 0.5	U	< 0.5	U	< 0.5	U			170	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	24-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			98	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	10-Jun-98	< 5	DU	< 5	DU	< 5	DU			1700	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-27	RTN	19-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	270	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-27	RTN	25-Nov-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	180	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-27	DUP	24-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	160	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-27	RTN	24-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U			170	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	30-Jun-99	< 0.5	UL	< 0.5	U	< 0.5	U	< 1	U	140	D	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-27	RTN	21-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	120	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-27	RTN	17-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	620	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-27	RTN	31-Jan-00	< 3	DU	< 3	DU	< 3	DU	< 5	DU	750	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-27	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	310	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.52		< 0.5	U	< 0.5	U	< 1	U
W-830-27	RTN	28-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	140	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-27	RTN	28-Nov-00	< 5	DU	< 5	DU	< 5	DU	< 10	DU	160	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-27	RTN	26-Feb-01	< 1	DU	< 1	DU	< 1	DU	< 2	DU	140	D	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 2	DU
W-830-27	RTN	31-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	370	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-27	RTN	20-Sep-01			< 50	DU	< 50	DU	< 50	DU	790	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 500	DU
W-830-27	RTN	19-Dec-01	< 10	DU	< 10	DU	< 10	DU	< 10	DU	1100	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-27	RTN	14-Mar-02	< 25	LODU	< 25	LODU	< 25	LODU	< 25	LODU	960	LOD	< 25	LODU	< 25	LODU	< 25	LODU	< 25	LODU	< 25	LODU	< 25	LODU	< 25	LODU	< 25	LODU

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	FLAG	cis-1,2-DCE ug/L RESULT	FLAG	trans-1,2-DCE ug/L RESULT	FLAG	Total 1,2-DCE ug/L RESULT	FLAG	TCE ug/L RESULT	FLAG	PCE ug/L RESULT	FLAG	1,1-DCA ug/L RESULT	FLAG	1,2-DCA ug/L RESULT	FLAG	1,1,1-TCA ug/L RESULT	FLAG	Chloroform ug/L RESULT	FLAG	Freon 11 ug/L RESULT	FLAG	Freon 113 ug/L RESULT	FLAG	Methylene chloride ug/L RESULT	FLAG
W-830-27	RTN	11-Jun-02	< 3	DU	< 3	DU	< 3	DU	< 5	DU	840	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-830-27	RTN	26-Sep-02	< 25	DU			< 25	UDO	< 25	DU	1100	DO	< 25	UDO	< 25	UDO	< 25	DU	< 25	UDO	< 25	UDO	< 25	DU	< 25	DU	< 25	DU
W-830-27	RTN	30-Dec-02	< 25	DU	< 25	DU	< 25	DU	< 25	DU	980	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	73	DF	< 25	DU	< 25	DU	< 25	DU
W-830-27	RTN	24-Mar-03	< 100	DU	< 100	UDO	< 100	UDO	< 100	DU	880	D	< 100	UDO	< 100	UDO	< 100	UDO	< 100	UDO	< 100	DU	< 100	DU	< 100	UDO	< 100	DU
W-830-27	RTN	2-Sep-03	< 25	DU	< 25	DU	< 25	DU	< 25	DU	1400	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-27	RTN	9-Feb-04	< 25	DU	< 25	DU	< 25	DU	< 25	DU	1200	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-27	RTN	28-Jul-04	< 10	DU	< 10	DU	< 10	DU	< 10	DU	960	DL	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-28	RTN	23-Sep-96	< 1	U					< 1	U	60	DO	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-28	RTN	12-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			64	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	12-Mar-97	< 0.5	U	< 0.5	U	< 0.5	U			66	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	25-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			68	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	28-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			78	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	10-Dec-97	< 0.5	U	< 0.5	U	< 0.5	U			73	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	25-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			68	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	10-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			100	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	19-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	60	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.52		< 0.5	U	< 1	U
W-830-28	RTN	25-Nov-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	42	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-28	RTN	24-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	34	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.69		< 0.5	U	< 0.5	U	< 1	U
W-830-28	RTN	30-Jun-99	< 2	DU	< 2	DU	< 2	DU	< 5	DU	27	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	5.3	DF
W-830-28	RTN	20-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	23		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.54		< 0.5	U	< 0.5	U	< 1	U
W-830-28	DUP	20-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	25		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.71		< 0.5	U	< 0.5	U	< 1	U
W-830-28	RTN	20-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	26		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.74		< 0.5	U	< 0.5	U	< 1	U
W-830-28	RTN	31-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	22		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.73		< 0.5	U	< 0.5	U	< 1	U
W-830-28	DUP	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	31		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-28	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	31		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-28	RTN	28-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	27		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.64	F	< 0.5	U	< 0.5	U	< 1	U
W-830-28	RTN	28-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	24		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-28	RTN	26-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	24		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.8		< 0.5	U	< 0.5	U	< 1	U
W-830-28	RTN	24-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	27		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-28	DUP	24-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	38		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	20-Sep-01	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU	23	D	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU	< 12	DU
W-830-28	RTN	19-Dec-01	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU	33	D	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU
W-830-28	RTN	14-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	37	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	0.87	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-28	RTN	11-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	42		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-28	DUP	30-Dec-02	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	47	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	5.1	DF	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-28	RTN	30-Dec-02	< 1	DU	< 1	DU	< 1	DU	< 1	DU	44	D	< 1	DU	< 1	DU	< 1	DU	< 1	DU	4.1	DF	< 1	DU	< 1	DU	< 1	DU
W-830-28	RTN	24-Mar-03	< 1	UDO	< 1	UDO	< 1	UDO	< 1	DU	51	DO	< 1	UDO	< 1	UDO	< 1	UDO	< 1	UDO	< 1	UDO	< 1	UDO	< 1	UDO	< 1	UDO
W-830-28	RTN	2-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	64		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	9-Feb-04	< 1	DU	< 1	DU	< 1	DU	< 1	DU	43	D	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-28	RTN	28-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	50	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	17-Mar-97	< 1	U					< 1	U	< 0.5	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-29	RTN	25-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	DUP	9-Sep-97	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-29	RTN	9-Sep-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	24-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	19-Mar-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	15-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	18-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.73		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-29	RTN	15-Dec-98	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU
W-830-29	RTN	24-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-29	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-29	RTN	3-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU
W-830-29	RTN	20-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-29	RTN	18-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.64		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU
W-830-29	DUP	17-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.57		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-29	RTN	17-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-29	RTN	19-Mar-03	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	28-Aug-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	29-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	27-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-30	RTN	11-Mar-97	< 1	U					< 1	U	8100	D	2.7		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-30	RTN	25-Jun-97	< 25	DU	< 25	DU	< 25	DU			15000	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-30	RTN	28-Aug-97	< 50	DU	< 50	DU	< 50	DU			7300	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	26-Nov-97	0.54		< 0.5	U	< 0.5	U	< 1	U	7500	D	6.8		< 0.5	U	< 0.5	U	< 0.5	U	1.1		< 0.5	U	< 0.5	U	< 1	U
W-830-30	RTN	26-Nov-97	< 50	DU	< 50	DU	< 50	DU			30000	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	25-Feb-98	< 5	DU	< 5	DU	< 5	DU			2800	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-30	RTN	28-May-98	< 50	DU	< 50	DU	< 50	DU			6100	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	18-Aug-98	< 0.5	UE	< 0.5	U	< 0.5	UE	< 1	U	6200	D	3.1		< 0.5	U	< 0.5	U	< 0.5	U	0.91		< 0.5	U	< 0.5	U	< 1	U
W-830-30	RTN	25-Feb-99	< 30	DU	< 30	DU	< 30	DU	< 50	DU	5200	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-30	RTN	30-Jun-99	< 50	DU	< 50	DU	< 50	DU	< 100	DU	5600	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 100	DU
W-830-30	RTN	21-Sep-99	< 20	DU	< 20	DU	< 20	DU	< 30	DU	5100	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 30	DU
W-830-30	DUP	21-Sep-99	< 20	DU	< 20	DU	< 20	DU	< 30	DU	4800	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 30	DU
W-830-30	RTN	20-Dec-99	< 20	DU	< 20	DU	< 20	DU	< 30	DU	4700	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 30	DU
W-830-30	RTN	20-Dec-99	< 30	DU	< 30	DU	< 30	DU	< 50	DU	4700	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-30	RTN	1-Feb-00	< 20	DU	< 20	DU	< 20	DU	< 30	DU	4800	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 30	DU

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	FLAG	cis-1,2-DCE ug/L RESULT	FLAG	trans-1,2-DCE ug/L RESULT	FLAG	Total 1,2-DCE ug/L RESULT	FLAG	TCE ug/L RESULT	FLAG	PCE ug/L RESULT	FLAG	1,1-DCA ug/L RESULT	FLAG	1,2-DCA ug/L RESULT	FLAG	1,1,1-TCA ug/L RESULT	FLAG	Chloroform ug/L RESULT	FLAG	Freon 11 ug/L RESULT	FLAG	Freon 113 ug/L RESULT	FLAG	Methylene chloride ug/L RESULT	FLAG
W-830-30	RTN	20-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4800	D	3.2		< 0.5	U	< 0.5	U	< 0.5	U	0.87		< 0.5	U	< 0.5	U	< 1	U
W-830-30	RTN	14-Aug-00	< 3	DU	< 3	DU	< 3	DU	< 5	DU	5400	D	3.7	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-830-30	RTN	20-Nov-00	< 50	DU	< 50	DU	< 50	DU	< 100	DU	4500	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 100	DU
W-830-30	RTN	29-Jan-01	< 20	DU	< 20	DU	< 20	DU	< 30	DU	3300	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 30	DU
W-830-30	RTN	23-May-01	< 5	DU	< 5	DU	< 5	DU	< 10	DU	3500	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-30	RTN	19-Sep-01	< 100	DU	< 100	DU	< 100	DU	< 100	DU	3100	D	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU
W-830-30	RTN	30-Nov-01	< 83	DU	< 83	DU	< 83	DU	< 83	DU	3000	D	< 83	DU	< 83	DU	< 83	DU	< 83	DU	< 83	DU	< 83	DU	< 83	DU	< 83	DU
W-830-30	RTN	15-Mar-02	< 250	DU	< 250	DU	< 250	DU	< 250	DU	3800	D	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-30	DUP	11-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	3200	D	1.5		< 0.5	U	< 0.5	U	< 0.5	U	0.56		< 0.5	U	< 0.5	U	< 1	U
W-830-30	RTN	11-Jun-02	< 3	DU	< 3	DU	< 3	DU	< 5	DU	3200	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-830-30	RTN	13-Aug-02	< 50	DU	< 50	DU	< 50	DU	< 50	DU	4200	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	27-Dec-02	< 100	DU	< 100	DU	< 100	DU	< 100	DU	3700	D	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU
W-830-30	RTN	25-Aug-03	< 50	DU	< 50	DU	< 50	DU	< 50	DU	3200	DL	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	29-Jan-04	< 50	DU	< 50	DU	< 50	DU	< 50	DU	2100	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	17-Feb-04	< 3	DU	< 3	DU	< 3	DU	< 5	DU	1300	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-830-30	RTN	27-Jul-04	< 25	DU	< 25	DU	< 25	DU	< 25	DU	1100	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-34	RTN	11-Mar-97	< 1	U					< 1	U	2700	D	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-34	RTN	25-Jun-97	< 5	DU	< 5	DU	< 5	DU			3000	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	28-Aug-97	< 5	DU	< 5	DU	< 5	DU			2900	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	26-Nov-97	< 5	DU	< 5	DU	< 5	DU			3200	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	10-Mar-98	< 5	DU	< 5	DU	< 5	DU			2500	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	28-May-98	< 10	DU	< 10	DU	< 10	DU			3900	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-34	RTN	18-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1800		< 0.5	UE	< 0.5	U	< 0.5	U	< 0.5	U	0.52		< 0.5	U	< 0.5	U	< 1	U
W-830-34	RTN	8-Dec-98	< 5	DU	< 5	DU	< 5	DU	< 10	DU	1100	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	DUP	25-Feb-99	< 7	DU	< 7	DU	< 7	DU	< 20	DU	1400	D	< 7	DU	< 7	DU	< 7	DU	< 7	DU	< 7	DU	< 7	DU	< 7	DU	< 20	DU
W-830-34	RTN	25-Feb-99	< 5	DU	< 5	DU	< 5	DU			1400	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	30-Jun-99	< 5	DU	< 5	DU	< 5	DU	< 10	DU	1100	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-34	RTN	21-Sep-99	< 3	DU	< 3	DU	< 3	DU	< 5	DU	690	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-830-34	RTN	20-Dec-99	< 3	DU	< 3	DU	< 3	DU	< 5	DU	1100	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-830-34	RTN	17-Mar-00	< 3	U	< 3	U	< 3	U	< 5	U	1800	D	< 3	U	< 3	U	< 3	U	< 3	U	< 3	U	< 3	U	< 3	U	< 5	U
W-830-34	RTN	20-Jun-00	< 3	DU	< 3	DU	< 3	DU	< 5	DU	1200	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-830-34	RTN	14-Aug-00	< 2	DU	< 2	DU	< 2	DU	< 3	DU	1400	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 3	DU
W-830-34	DUP	14-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1100	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-34	RTN	20-Nov-00	< 20	U	< 20	U	< 20	U	< 30	U	1000		< 20	U	< 20	U	< 20	U	< 20	U	< 20	U	< 20	U	< 20	U	< 30	U
W-830-34	RTN	29-Jan-01	< 5	DU	< 5	DU	< 5	DU	< 10	DU	1100	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-34	RTN	3-May-01	< 25	DU	< 25	DU	< 25	DU	< 25	DU	888	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-34	RTN	19-Sep-01	< 25	DU	< 25	DU	< 25	DU	< 25	DU	740	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-34	RTN	30-Nov-01	< 20	DU	< 20	DU	< 20	DU	< 20	DU	770	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-34	RTN	15-Mar-02	< 25	DU	< 25	DU	< 25	DU	< 25	DU	760	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-34	RTN	11-Jun-02	< 3	DU	< 3	DU	< 3	DU	< 5	DU	940	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-830-34	RTN	23-Aug-02	< 10	DU	< 10	OLDU	< 10	DU	< 10	DU	1100	D	< 10	LODU	< 10	LODU	< 10	DU	< 10	LODU	< 10	DU	< 10	DU	< 10	LODU	< 10	DU
W-830-34	RTN	27-Dec-02	< 50	DU	< 50	DU	< 50	DU	< 50	DU	1200	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-34	RTN	29-Jan-04	< 50	DU	< 50	DU	< 50	DU	< 50	DU	1200	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-34	RTN	27-Jul-04	< 25	DU	< 25	DU	< 25	DU	< 25	DU	1300	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-49	RTN	15-Jun-98	< 5	DU					< 5	DU	2100	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-49	RTN	19-Aug-98	1.9		< 0.5	U	< 0.5	U	< 1	U	7400	D	8.5		< 0.5	U	3.2		< 0.5	U	1.6		1.8		0.57		< 1	U
W-830-49	HYI	10-Nov-98	< 5	DU	< 5	DU	< 5	DU			5500	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-49	RTN	15-Dec-98	< 30	DHU	< 30	DHU	< 30	DHU	< 50	DHU	3100	DH	< 30	DHU	< 30	DHU	< 30	DHU	< 30	DHU	< 30	DHU	< 30	DHU	< 30	DHU	< 30	DHU
W-830-49	DUP	25-Feb-99	< 20	DU	< 20	DU	< 20	DU	< 30	DU	8400	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 30	DU
W-830-49	RTN	25-Feb-99	< 50	DU	< 30	DU	< 30	DU	< 30	DU	8000	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-49	RTN	30-Jun-99	< 50	DU	< 50	DU	< 50	DU	< 100	DU	7800	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 100	DU
W-830-49	RTN	23-Sep-99	< 20	DU	< 20	DU	< 20	DU	< 30	DU	8000	DIJ	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 30	DU
W-830-49	RTN	17-Mar-00	< 10	DU	< 10	DU	< 10	DU	< 30	DU	10000	D	10	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 30	DU
W-830-49	RTN	20-Jun-00	< 30	DU	< 30	DU	< 30	DU	< 50	DU	9000	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-49	RTN	14-Aug-00	< 3	DU	< 3	DU	< 3	DU	< 5	DU	9800	D	9	D	< 3	DU	3.5	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-830-49	DUP	14-Aug-00	1.3		0.76		< 0.5	U	< 1	U	9100	D	7.8		< 0.5	U	2.8		< 0.5	U	2.3		2.1		< 0.5	U	< 1	U
W-830-49	RTN	16-Nov-00	< 50	DU	< 50	DU	< 50	DU	< 100	DU	9900	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DLU	< 50	DLU	< 100	DU
W-830-49	RTN	31-Jan-01	< 30	DU	< 30	DU	< 30	DU	< 50	DU	9100	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU		
W-830-49	RTN	3-May-01	< 250	DU	< 250	DU	< 250	DU	< 250	DU	9400	D	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-49	RTN	30-Aug-01	< 5	DU	< 5	DU	< 5	DU	< 10	DU	8700	D	12	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-49	DUP	30-Aug-01	< 250	DU	< 250	DU	< 250	DU	< 250	DU	8400	D	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-49	RTN	30-Nov-01	< 250	DU	< 250	DU	< 250	DU	< 250	DU	9400	D	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-49	RTN	15-Mar-02	< 500	DU	< 500	DU	< 500	DU	< 500	DU	8500	D	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU
W-830-49	RTN	17-Jun-02	< 3	DU	< 3	DU	< 3	DU	< 5	DU	10000	D	8.9	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-830-49	RTN	23-Aug-02	< 500	DU	< 500	LODU	< 500	DU	< 500	DU	12000	D	< 500	LODU	< 500	LODU	< 500	DU	< 500	LODU	< 500	DU	< 500	DU	< 500	LODU	< 500	DU
W-830-49	RTN	27-Dec-02	< 500	DU	< 500	DU	< 500	DU	< 500	DU	12000	D	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU
W-830-49	RTN	21-Mar-03	< 500	DOU	< 500	DOU	< 500	DOU	< 500	DU	13000	DO	< 500	DOU	< 500	DOU	< 500	DOU	< 500	DOU	< 500	DOU	< 500	DOU	< 500	DU	< 500	DOU
W-830-49	RTN	25-Aug-03	< 250	DU	< 250	DU	< 250	DU	< 250	DU	10000	DL	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-49	RTN	28-Jan-04	< 250	DU	< 250	DU	< 250	DU	< 250	DU	11000	D	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-49	RTN	26-Jul-04	< 500	DU	< 500	DU	< 500	DU	< 500	DU	8800	D	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU	< 500	DU
W-830-50	RTN	1-Apr-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-50	RTN	1-Jul-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	16		< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 1	FU
W-830-50	RTN	14-Sep-99	< 1	U	< 1	U	< 1	U	< 1	U	13		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 3	U
W-830-50	RTN	20-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	18		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-50	RTN	15-Mar-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	20		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-50	RTN	21-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	17		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-830-50	RTN	31-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	19		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-50	RTN	29-Nov-00	< 0.5	U	0.6		< 0.5	U	< 1	EU	20	J	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-50	RTN	12-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	16		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-50	RTN	3-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	14.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	19-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	15		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	19-Dec-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	24		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	12-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	21	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-50	RTN	12-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	21		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-50	RTN	19-Aug-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	9.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-50	RTN	26-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	30		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	25-Mar-03	< 0.5	OU	0.52	O	< 0.5	OU	< 0.5	U	28	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-830-50	RTN	25-Aug-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	24	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	20		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	21-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	21		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	HYI	10-Jun-99	< 0.5	U	0.81		< 0.5	U	< 1	U	45	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	HYI	10-Jun-99	< 0.5	U	0.59		< 0.5	U	< 1	U	50	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	10-Sep-99	< 0.5	U	0.51		< 0.5	U	< 1	U	49	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	21-Dec-99	< 0.5	U	0.88		< 0.5	U	< 1	U	42		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	21-Dec-99	< 0.5	U	0.75		< 0.5	U	< 1	U	40		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	16-Feb-00	< 0.5	U	0.86		< 0.5	U	< 1	U	37	U	< 0.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	22-Jun-00	< 0.5	U	0.88		< 0.5	U	< 1	U	40		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	17-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	55		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	11-Dec-00	< 2	DU	< 2	DU	< 2	DU	< 3	DU	75	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 3	DU
W-830-51	DUP	11-Dec-00	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	200	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	30-Mar-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	65		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	26-Jun-01							< 1	U																		
W-830-51	DUP	26-Jun-01							< 1	U																		
W-830-51	RTN	13-Sep-01	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	81	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-51	RTN	26-Nov-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	97		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	23-Jan-02	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	72	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-51	RTN	22-May-02	< 5	DU	< 5	DU	< 5	DU	< 5	DU	76	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-51	RTN	8-Aug-02	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	110	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-51	RTN	24-Oct-02	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	150	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-51	RTN	15-Jan-03	< 2.5	DLU			< 2.5	DLU	< 2.5	DLU	74	DL	< 2.5	DLU	< 2.5	DLU			< 2.5	DLU	< 2.5	DLU	< 2.5	DLU	< 2.5	DLU	< 2.5	DLU
W-830-51	RTN	16-Apr-03	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	100	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-51	RTN	9-Jul-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	94		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	8-Oct-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	86		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	13-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	95		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	7-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	99		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	14-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	87	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-51	RTN	6-Oct-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	100		< 0.5	JU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	HYI	9-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	75	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	HYI	9-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	57	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	15-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	47	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	48		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	31-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	60		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	28-Nov-00	< 2	DU	< 2	DU	< 2	DU	< 3	DU	80	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 3	DU
W-830-52	RTN	30-Mar-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	57		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	22-Jun-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	84		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	13-Sep-01	< 2	DU	< 2	DU	< 2	DU	< 2	DU	89	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-830-52	RTN	26-Nov-01	< 0.5	U	0.53		< 0.5	U	< 1	U	83		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	23-Jan-02	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	93	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-52	RTN	22-May-02	< 5	DU	< 5	DU	< 5	DU	< 5	DU	150	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-52	RTN	8-Aug-02	< 5	DU	< 5	DU	< 5	DU	< 5	DU	110	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-52	RTN	24-Oct-02	< 5	DU	< 5	DU	< 5	DU	< 5	DU	170	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-52	RTN	15-Jan-03	< 5	DLU	< 5	DLU	< 5	DLU	< 5	DLU	55	DL	< 5	DJLU	< 5	DLU			< 5	DLU	< 5	DLU	< 5	DLU	< 5	DLU	< 5	DLU
W-830-52	RTN	16-Apr-03	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	86	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DUO	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-52	RTN	9-Jul-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	90		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	8-Oct-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	84		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	13-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	100		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	7-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	89		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	14-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	87	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-52	RTN	6-Oct-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	100		< 0.5	JU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	HYI	11-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	43	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	HYI	11-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	49	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	15-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	46	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	46		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	31-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	47		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	28-Nov-00	< 2	DU	< 2	DU	< 2	DU	< 3	DU	58	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 3	DU
W-830-53	RTN	30-Mar-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	58		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	21-Jun-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	66		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	13-Sep-01	< 2	DU	< 2	DU	< 2	DU	< 2	DU	67	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-830-53	RTN	26-Nov-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	70		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	23-Jan-02	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	60	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-53	RTN	22-May-02	< 5	DU	< 5	DU	< 5	DU	< 5	DU	130	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-53	RTN	8-Aug-02	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	81	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-830-53	RTN	24-Oct-02	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	91	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-53	RTN	15-Jan-03	< 2.5	DLU			< 2.5	DLU	< 2.5	DLU	51	DL	< 2.5	DLU	< 2.5	DLU			< 2.5	DLU	< 2.5	DLU	< 2.5	DLU	< 2.5	DLU	< 2.5	DLU
W-830-53	RTN	16-Apr-03	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	81	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-53	RTN	9-Jul-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	81		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	8-Oct-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	80		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	13-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	85		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	7-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	81		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	14-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	82		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-53	RTN	6-Oct-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	81		< 0.5	JU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-54	RTN	18-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-54	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-54	RTN	18-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-54	RTN	29-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-54	RTN	21-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-54	RTN	31-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-54	RTN	20-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-54	RTN	18-Dec-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	13-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-54	RTN	18-Jun-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-54	RTN	26-Sep-02	< 0.5	U			< 0.5	OU	< 0.5	U	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	19-Mar-03	< 0.5	U	< 0.5	UO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	10-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	17-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	27-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	18-Feb-00	< 0.5	U	0.81		< 0.5	U	< 1	U	17		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-55	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-55	RTN	17-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	3.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-55	RTN	29-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	3.7	J	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-55	RTN	21-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-55	DUP	21-Feb-01	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU	2.8	H	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU
W-830-55	RTN	31-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-55	DUP	20-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-55	RTN	20-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-830-55	RTN	18-Dec-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	2.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	13-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	2.1	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-55	DUP	26-Sep-02	< 0.5	DU			< 2.5	UDO	< 2.5	DU	2.7	DO	< 2.5	UDO	< 2.5	UDO	< 2.5	DU	< 2.5	UDO	< 2.5	UDO	< 2.5	DU	< 2.5	DU	< 0.5	DU
W-830-55	RTN	26-Sep-02	< 0.5	U			< 0.5	OU	< 0.5	U	2.6	O	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	25-Mar-03	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	2.3	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-830-55	RTN	10-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	3.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	17-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	4.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	27-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	4.9	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	11-Feb-00	< 0.5	U	0.91		< 0.5	U	< 1	U	41	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.5	
W-830-56	RTN	23-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	13		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-56	RTN	17-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-56	RTN	29-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-56	RTN	31-Jan-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U		
W-830-56	RTN	24-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-56	RTN	24-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	2.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	20-Dec-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	4.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	13-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	2.6	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-56	DUP	13-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	2.6	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-56	RTN	12-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	2.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-56	RTN	12-Aug-02	< 0.5	U	< 0.5	OU	< 0.5	OU	< 0.5	U	2.4	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU	< 0.5	U
W-830-56	RTN	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	2.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-56	RTN	25-Aug-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.9	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	18-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	DUP	18-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	2.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	20-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	2.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	18-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	30		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.64		0.78		< 1	U
W-830-57	RTN	18-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	32		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.68		0.89		< 1	U
W-830-57	RTN	18-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	32	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.71		< 0.5	U	< 1	U
W-830-57	RTN	30-Mar-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	30		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.64		< 0.5	U	1.4	B
W-830-57	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	42		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.83		< 0.5	U	< 1	U
W-830-57	RTN	11-Sep-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	44		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.64		< 0.5	U	< 1	U
W-830-57	RTN	14-Sep-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	47		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.65		< 0.5	U	< 1	U
W-830-57	RTN	4-Oct-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	46		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.69		< 0.5	U	< 1	U
W-830-57	RTN	7-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	34	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.9		< 0.5	U	< 1	U
W-830-57	DUP	7-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	44		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.64		< 0.5	U	< 1	U
W-830-57	RTN	11-Dec-00	< 2	DU	< 2	DU	< 2	DU	< 3	DU	37	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DEU	< 2	DU	< 3	DU
W-830-57	RTN	22-Jan-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	47		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.67		< 0.5	U	< 1	U
W-830-57	RTN	20-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	36	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.61		< 0.5	U	< 1	U
W-830-57	RTN	8-Mar-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	36	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.7		< 0.5	U	< 1	U
W-830-57	RTN	11-Apr-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	39		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.69		< 0.5	U	< 1	U
W-830-57	RTN	10-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	39	IJL	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-57	RTN	14-Jun-01	< 0.5	U			< 0.5	U	< 1	U	39	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.64	J	< 0.5	U	< 1	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L		cis-1,2-DCE ug/L		trans-1,2-DCE ug/L		Total 1,2-DCE ug/L		TCE ug/L		PCE ug/L		1,1-DCA ug/L		1,2-DCA ug/L		1,1,1-TCA ug/L		Chloroform ug/L		Freon 11 ug/L		Freon 113 ug/L		Methylene chloride ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-57	RTN	19-Jul-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	37		< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	0.56		< 0.5	U	< 1	U
W-830-57	RTN	20-Aug-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	41		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.57		< 0.5	U	< 1	U
W-830-57	RTN	13-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	39		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.55		< 0.5	U	< 1	U
W-830-57	RTN	3-Oct-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	40		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.58		< 0.5	U	< 1	U
W-830-57	RTN	18-Oct-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	35		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-57	RTN	13-Nov-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	33	IJ	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.6	IJ	< 0.5	U	< 1	U
W-830-57	RTN	17-Jan-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	33		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.53		< 0.5	U	< 1	U
W-830-57	RTN	12-Feb-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	31		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.58		< 0.5	U	< 1	U
W-830-57	RTN	11-Mar-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	32		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.57		< 0.5	U	< 1	U
W-830-57	RTN	22-Apr-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	31		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-57	RTN	7-May-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	34		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.55		< 0.5	U	< 1	U
W-830-57	RTN	17-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	36		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.57		< 0.5	U	< 1	U
W-830-57	RTN	15-Jul-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	36		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.57		< 0.5	U	< 1	U
W-830-57	RTN	8-Aug-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	34		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.53		< 0.5	U	< 1	U
W-830-57	RTN	16-Sep-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	33		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.53		< 0.5	U	< 1	U
W-830-57	RTN	21-Oct-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	32	F	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.51		< 0.5	U	< 1	U
W-830-57	RTN	6-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	32		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.51	J	< 0.5	U	< 1	U
W-830-57	RTN	25-Aug-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	30	F	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.5		< 0.5	U	< 1	U
W-830-57	RTN	5-Oct-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	31		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-58	RTN	31-Mar-00	< 3	DU	< 3	DU	< 3	DU	< 3	DU	480	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	9.7	D	< 3	DU	< 3	DU	< 5	DU
W-830-58	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	530	D	0.54		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-58	RTN	18-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1900	D	2.1		< 0.5	U	0.63		< 0.5	U	0.68		< 0.5	U	< 0.5	U	< 1	U
W-830-58	RTN	11-Dec-00	< 30	DU	< 30	DU	< 30	DU	< 50	DU	1500	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-58	DUP	11-Dec-00	0.8		< 0.5	U	< 0.5	U	< 0.5	U	880	D	1.8		< 0.5	U	0.8		< 0.5	U	0.7		< 0.5	U	< 0.5	U	< 0.5	U
W-830-58	RTN	12-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	830	D	1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-58	RTN	31-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	520	D	0.79		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-58	RTN	25-Sep-01	< 12	DU	< 12	DU	< 12	DU	< 12	DU	360	D	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU
W-830-58	RTN	21-Dec-01	< 12	DU	< 12	DU	< 12	DU	< 12	DU	220	D	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU
W-830-58	RTN	14-Mar-02	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	310	D	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU
W-830-58	RTN	18-Jun-02	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	180	LOD	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU
W-830-58	RTN	12-Aug-02	< 5	DU	< 5	ODU	< 5	ODU	< 5	DU	290	OD	< 5	ODU	< 5	ODU	< 5	ODU	< 5	ODU	< 5	ODU	< 5	DU	< 5	ODU	< 5	DU
W-830-58	RTN	30-Dec-02	< 10	DU	< 10	DU	< 10	DU	< 10	DU	300	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-58	RTN	21-Mar-03	< 25	DOU	< 25	DOU	< 25	DOU	< 25	DU	350	DO	< 25	DOU	< 25	DOU	< 25	DOU	< 25	DOU	< 25	DOU	< 25	DOU	< 25	DU	< 25	DOU
W-830-58	DUP	21-Mar-03	< 12	DOU	< 12	DOU	< 12	DOU	< 12	DU	490	DO	< 12	DOU	< 12	DOU	< 12	DOU	< 12	DOU	< 12	DOU	< 12	DOU	< 12	DU	< 12	DOU
W-830-58	RTN	27-Aug-03	< 5	DU	< 5	DU	< 5	DU	< 5	DU	380	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-58	RTN	10-Feb-04	< 5	DU	< 5	DU	< 5	DU	< 5	DU	190	FD	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-58	RTN	28-Jul-04	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	130	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-59	RTN	24-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	2200	DF	3.2		0.76		1		< 0.5	U	1.2		< 0.5	U	< 0.5	U	< 1	U
W-830-59	RTN	16-Nov-00	< 30	DU	< 30	DU	< 30	DU	< 50	DU	3200	D	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU	< 50	DU
W-830-59	RTN	31-Jan-01	< 20	DU	< 20	DU	< 20	DU	< 30	DU	3000	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU		
W-830-59	RTN	3-May-01	< 83	DU	< 83	DU	< 83	DU	< 83	DU	3070	D	< 83	DU	< 83	DU	< 83	DU	< 83	DU	< 83	DU	< 83	DU	< 83	DU	< 83	DU
W-830-59	RTN	30-Aug-01	< 120	DU	< 120	DU	< 120	DU	< 120	DU	3000	D	< 120	DU	< 120	DU	< 120	DU	< 120	DU	< 120	DU	< 120	DU	< 120	DU	< 120	DU
W-830-59	RTN	13-Dec-01	< 170	DU	< 170	DU	< 170	DU	< 170	DU	3700	D	< 170	DU	< 170	DU	< 170	DU	< 170	DU	< 170	DU	< 170	DU	< 170	DU	< 170	DU
W-830-59	RTN	15-Mar-02	< 100	DU	< 100	DU	< 100	DU	< 100	DU	3100	D	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU
W-830-59	RTN	10-Jun-02	0.68		< 0.5	U	< 0.5	U	< 1	U	3200	D	4.6		< 0.5	U	1.1		< 0.5	U	1.2		< 0.5	U	< 0.5	U	< 1	U
W-830-59	RTN	13-Aug-02	< 50	DU	< 50	DU	< 50	DU	< 50	DU	3700	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-59	RTN	27-Dec-02	< 50	DU	< 50	DU	< 50	DU	< 50	DU	4000	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-59	RTN	11-Jun-03	< 50	DU	< 50	DU	< 50	DU	< 50	DU	2900	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-59	RTN	8-Oct-03	< 3	DU	< 3	DU	< 3	DU	< 5	DU	1500	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-830-59	RTN	13-Jan-04	< 5	DU	< 5	DU	< 5	DU	< 10	DU	3700	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-59	RTN	7-Apr-04	< 5	DU	< 5	DU	< 5	DU	< 10	DU	3300	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-59	RTN	14-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	3000	D	3.2		< 0.5	U	1		< 0.5	U	1.2		< 0.5	U	< 0.5	U	< 1	U
W-830-59	RTN	6-Oct-04	< 5	DU	< 5	DU	< 5	DU	< 10	DU	2600	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-60	RTN	30-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	35		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-60	RTN	17-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	23		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-60	RTN	11-Dec-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	9.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-60	RTN	13-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	8.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-60	RTN	23-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	7.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-60	RTN	24-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	19-Dec-01	< 0.78	DU	< 0.78	DU	< 0.78	DU	< 0.78	DU	32	D	< 0.78	DU	< 0.78	DU	< 0.78	DU	< 0.78	DU	< 0.78	DU	< 0.78	DU	< 0.78	DU	< 0.78	DU
W-830-60	RTN	12-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	29	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-60	RTN	11-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	28		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-60	RTN	19-Aug-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	34		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-60	RTN	26-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	34		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	32		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-60	RTN	14-Aug-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	33		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	29		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	27-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	35	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	DUP	12-Oct-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	3.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	RTN	19-Mar-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.53		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-1730	RTN	14-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-1730	RTN	24-Sep-02	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	RTN	26-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	RTN	21-Feb-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-830-1730	RTN	18-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	RTN	2-Feb-04	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 0.5	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	FLAG	cis-1,2-DCE ug/L RESULT	FLAG	trans-1,2-DCE ug/L RESULT	FLAG	Total 1,2-DCE ug/L RESULT	FLAG	TCE ug/L RESULT	FLAG	PCE ug/L RESULT	FLAG	1,1-DCA ug/L RESULT	FLAG	1,2-DCA ug/L RESULT	FLAG	1,1,1-TCA ug/L RESULT	FLAG	Chloroform ug/L RESULT	FLAG	Freon 11 ug/L RESULT	FLAG	Freon 113 ug/L RESULT	FLAG	Methylene chloride ug/L RESULT	FLAG
W-830-1730	RTN	21-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1807	RTN	14-Aug-02	< 100	DU	< 100	DU	< 100	DU	< 100	DU	3600	D	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU
W-830-1807	RTN	8-Oct-03	< 5	DU	< 5	DU	< 5	DU	< 10	DU	2600	D	18	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-1807	RTN	13-Jan-04	< 5	DU	< 5	DU	< 5	DU	< 10	DU	4000	D	13	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-1807	RTN	7-Apr-04	< 5	DU	< 5	DU	< 5	DU	< 10	DU	2500	D	7.4	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-1807	RTN	14-Jul-04	< 5	DU	< 5	DU	< 5	DU	< 10	DU	2100	D	5.7	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-1807	RTN	6-Oct-04	< 5	DU	< 5	DU	< 5	DU	< 10	DU	3200	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-830-1829	RTN	27-Aug-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	25		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1829	DUP	30-Jun-03	< 50	DU	< 50	DU	< 50	DU	< 50	DU	2400	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	100	D	< 50	DU	< 50	DU	< 50	DU
W-830-1829	RTN	30-Jun-03	< 50	DU	< 50	DU	< 50	DU	< 50	DU	2400	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	120	D	< 50	DU	< 50	DU	< 50	DU
W-830-1829	RTN	23-Sep-03	< 50	UD	< 50	UD	< 50	UD	< 50	UD	2900	D	< 50	UD	< 50	UD	< 50	UD	< 50	UD	< 50	UD	< 50	UD	< 50	UD	< 50	UD
W-830-1829	RTN	6-Nov-03	< 50	DU	< 50	DU	< 50	DU	< 50	DU	3100	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1829	RTN	28-Jan-04	< 50	DU	< 50	DU	< 50	DU	< 50	DU	3100	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1829	DUP	29-Apr-04	0.7		0.9		< 0.5	U	< 0.5	U	2400	D	3.5		< 0.5	U	1.6		< 0.5	U	1.3		< 0.5	U	< 0.5	U	< 3	U
W-830-1829	RTN	29-Apr-04	0.7		0.8		< 0.5	U	< 0.5	U	2400	D	3.4		< 0.5	U	1.6		< 0.5	U	1.2		< 0.5	U	< 0.5	U	< 3	U
W-830-1829	RTN	26-Jul-04	< 50	DU	< 50	DU	< 50	DU	< 50	DU	2500	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1830	RTN	30-Jun-03	< 50	DU	< 50	DU	< 50	DU	< 50	DU	1100	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	140	D	< 50	DU	< 50	DU	< 50	DU
W-830-1830	RTN	23-Sep-03	< 50	UD	< 50	UD	< 50	UD	< 50	UD	1200	D	< 50	UD	< 50	UD	< 50	UD	< 50	UD	< 50	UD	< 50	UD	< 50	UD	< 50	UD
W-830-1830	RTN	6-Nov-03	< 25	DU	< 25	DU	< 25	DU	< 25	DU	1600	D	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-1830	RTN	28-Jan-04	< 50	DU	< 50	DU	< 50	DU	< 50	DU	1700	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1830	DUP	29-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	880	D	1.3		< 0.5	U	0.9		< 0.5	U	1.3		< 0.5	U	< 0.5	U	< 3	U
W-830-1830	RTN	29-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1100	D	1.3		< 0.5	U	1		< 0.5	U	1.3		< 0.5	U	< 0.5	U	< 3	U
W-830-1830	RTN	26-Jul-04	< 50	DU	< 50	DU	< 50	DU	< 50	DU	1600	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1831	RTN	30-Jun-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1831	RTN	18-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1831	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1831	RTN	26-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1831	RTN	26-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1832	RTN	30-Jun-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1832	RTN	30-Jul-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1832	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1832	RTN	26-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1832	RTN	26-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SVI-830-031	RTN	30-Sep-02	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	2600	DJLO	9.2		< 0.5	OU	5.3		< 0.5	OU	0.83		< 0.5	U	< 0.5	U	< 0.5	U
SVI-830-031	RTN	21-Feb-03	< 3	DU	< 3	DU	< 3	DU	< 5	DU	1100	D	3.4	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
SVI-830-033	RTN	30-Sep-02	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	500	DJLO	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SVI-830-035	RTN	30-Sep-02	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	9400	DJLO	1.3		< 0.5	OU	< 0.5	U	< 0.5	OU	3.1		< 0.5	U	< 0.5	U	< 0.5	U
SVI-830-035	RTN	21-Feb-03	< 10	DU	< 10	DU	< 10	DU	< 20	DU	10000	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 20	DU
SVI-830-035	RTN	30-Jul-03	< 120	DU	< 120	DU	< 120	DU	< 120	DU	8800	D	< 120	DU	< 120	DU	< 120	DU	< 120	DU	< 120	DU	< 120	DU	< 120	DU	< 120	DU
SVI-830-035	RTN	30-Oct-03	< 100	DU	< 100	DU	< 100	DU	< 100	DU	7400	D	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	DU	< 100	UDO	< 100	UDF
SVI-830-035	RTN	29-Jan-04	< 50	DU	< 50	DU	< 50	DU	< 50	DU	3900	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
SVI-830-035	RTN	29-Apr-04	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	2000	DH	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	1	H	< 0.5	HU	< 0.5	HU	< 3	HU
SVI-830-035	RTN	27-Jul-04	< 50	DU	< 50	DU	< 50	DU	< 50	DU	2500	D	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
SVI-830-035	RTN	27-Oct-04	< 25	DUO	< 25	DUO	< 25	DUO	< 25	DU	3200	DO	< 25	DUO	< 25	DUO	< 25	DUO	< 25	DUO	< 25	DUO	< 25	DU	< 25	DUO	< 25	DUO
W-831-01	RTN	18-Mar-87	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	29-Jun-87	< 0.5	P					< 0.5	P	3.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	22-Sep-87	< 0.5	P					< 0.5	P	< 0.5	P	0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	22-Sep-87	< 0.5	P					< 0.5	P	< 0.5	P	0.8	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	11-Dec-87	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	9-Mar-88	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	28-Jun-88	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 1	P
W-831-01	RTN	17-Oct-88	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	1-Feb-89	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	14-Apr-89	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	0.6	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	19-Jul-89	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	1-Nov-89	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	19-Jan-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	29-May-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	22-Aug-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	7-Dec-90	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	5-Mar-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	17-May-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	DUP	17-May-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	6-Sep-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	10-Dec-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	10-Dec-91	< 0.2	P	< 0.4	P	< 0.4	P	< 0.4	P	< 0.3	P	< 0.5	P	< 0.4	P	< 0.3	P	< 0.5	P	< 0.5	P	< 0.4	P	< 0.6	P	< 2	P
W-831-01	RTN	18-Jun-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	22-Dec-92	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	21-Jun-93	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U
W-831-01	RTN	11-Mar-94	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	22-Feb-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	19-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	20-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	18-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-831-01	RTN	21-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-831-01	RTN	15-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-831-01	RTN	14-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-831-01	RTN	4-Nov-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	21-Nov-94	< 10	DU					< 10	DU	160	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-01	RTN	16-Mar-95	< 1	U					4.8		210	DLO	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-01	DUP	16-Mar-95	< 1	U					4.7		220	DLO	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-01	RTN	19-May-95	< 0.5	U					2.2		170	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	28-Jul-95	< 0.5	U					2.8		240	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	LVP	21-Dec-95	< 2.5	DU					3.5	D	240	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-01	LVP	21-Dec-95	< 2.5	DU					3.7	D	270	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-01	RTN	21-Dec-95	< 2.5	DU					4	D	260	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-01	RTN	7-Feb-96	< 0.5	U					6.6		280	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	DUP	24-Jun-96	< 0.5	U	5.8		< 0.5	U			260	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.51		< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	24-Jun-96	< 0.5	U	5.6		< 0.5	U			260	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	23-Sep-96	< 2.5	DU	5.5	D	< 2.5	DU			230	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-01	RTN	19-Dec-96	< 0.5	U	7.2		< 0.5	U			440	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	6-Mar-97	< 0.5	U	5.4		< 0.5	U			310	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	26-Jun-97	< 20	DU	< 20	DU	< 20	DU			260	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 40	DU
W-832-01	RTN	26-Jun-97	< 0.5	U	4.5		< 0.5	U			340	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	29-Aug-97	< 0.5	U	5		< 0.5	U			310	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	11-Dec-97	< 0.5	U	6.6		< 0.5	U			91	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	10-Mar-98	< 0.5	U	7		< 0.5	U			80	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	15-Jun-98	< 0.5	U	8.4		< 0.5	U	8.4		110	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-01	DUP	15-Jun-98	< 0.5	U	8.6		< 0.5	U			130	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	18-Sep-98	< 0.5	U	6.5		< 0.5	U	6.5		200	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.51		1.9		< 0.5	U	< 1	U
W-832-01	RTN	8-Dec-98	< 0.5	U	8.4		< 0.5	U	8.4		240	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.1		< 0.5	U	< 1	U
W-832-01	DUP	24-Feb-99	< 2	DU	10	D	< 2	DU	10	D	210	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 3	DU
W-832-01	RTN	30-Jun-99	< 6	DU	9.7	D	< 6	DU	< 20	DU	230	D	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 20	DU
W-832-01	DUP	30-Jun-99	< 0.5	U	6.9		< 0.5	U	< 0.5	U	280	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	30-Sep-99	< 0.5	U	9.1	LJ	< 0.5	U	9.1		210	DF	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-01	RTN	21-Dec-99	< 0.5	U	8.4		< 0.5	U	8.4		250	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-01	RTN	15-Mar-00	< 0.5	U	10		< 0.5	U	10		240	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-01	DUP	15-Mar-00	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	300	DL	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	21-Jun-00	< 0.5	U	8.9		< 0.5	U	8.9		250	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-01	RTN	15-Aug-00	< 0.5	U	9		< 0.5	U	9		240	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-01	RTN	20-Nov-00	< 0.5	U	8.8		< 0.5	U	8.8		180	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-01	RTN	13-Feb-01	< 0.5	U	8.8		< 0.5	U	8.8		170	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-01	DUP	13-Feb-01	< 10	DU	14	D	< 10	DU	< 10	DU	140	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-01	RTN	24-May-01	< 0.5	U	6		< 0.5	U	6		170	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.3		< 0.5	U	< 1	U
W-832-01	RTN	20-Sep-01	< 10	DU	< 10	DU	< 10	DU	< 10	DU	140	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 100	DU
W-832-01	RTN	13-Dec-01	< 0.5	U	6.4		< 0.5	U	6.4		160	DL	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	13-Dec-01	< 6.2	DU	< 6.2	DU	< 6.2	DU	< 6.2	DU	160	D	< 6.2	DU	< 6.2	DU	< 6.2	DU	< 6.2	DU	< 6.2	DU	< 6.2	DU	< 6.2	DU	< 6.2	DU	< 6.2	DU
W-832-01	RTN	18-Mar-02	< 5	LODU	8.5	LOD	< 5	LODU	< 5	LODU	180	LOD	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU
W-832-01	RTN	10-Jun-02	< 0.5	U	6.6		< 0.5	U	6.6		180	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-01	DUP	26-Sep-02	< 1	U	9.2		< 1	U	9.2		180	D	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 3	U
W-832-01	RTN	26-Sep-02	< 5	DU	7.7	DJO	< 5	UDO	7.7	D	290	DO	< 5	UDO	< 5	UDO	< 5	DU	< 5	UDO	< 5	UDO	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-01	RTN	19-Mar-03	< 5	DU	6.7	DO	< 5	DU	< 5	DU	160	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-01	RTN	25-Aug-03	< 2.5	DU	5.8	D	< 2.5	DU	< 2.5	DU	130	DL	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-01	RTN	29-Jan-04	< 5	DU	6.4	D	< 5	DU	< 5	DU	210	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-01	RTN	28-Jul-04	< 5	DU	5.4	D	< 5	DU	< 5	DU	150	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	16-Nov-94	< 10	DU					< 10	DU	440	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-05	RTN	6-Dec-94	< 1	U					1.2		500	D	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-05	RTN	21-Dec-94	< 1	U					1.5		650	D	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-05	RTN	9-Mar-95	< 1	U					1.2		490	D	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-05	RTN	19-May-95	< 0.5	U					0.99		410	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	28-Jul-95	< 5	DU					< 5	DU	560	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	LVP	1-Dec-95	< 0.5	U					1.2		460	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	LVP	1-Dec-95	< 0.5	U					1.1		380	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	1-Dec-95	< 0.5	U					1.2		360	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	8-Feb-96	< 2.5	DU					< 2.5	DU	630	DF	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-05	RTN	24-Jun-96	< 5	DU	< 5	DU	< 5	DU			690	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	24-Sep-96	< 5	DU	< 5	DU	< 5	DU			820	DLO	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	12-Dec-96	< 5	DU	< 5	DU	< 5	DU			530	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	6-Mar-97	< 5	DU	< 5	DU	< 5	DU			590	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	26-Jun-97	< 5	DU	< 5	DU	< 5	DU			430	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	29-Aug-97	< 5	DU	< 5	DU	< 5	DU			430	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	8-Dec-97	< 2.5	DU	< 2.5	DU	< 2.5	DU			440	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-05	RTN	24-Feb-98	< 5	DU	< 5	DU	< 5	DU			430	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	11-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			310	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	DUP	19-Aug-98	< 0.5	U	1.3		< 0.5	U	1.3		430	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-05	RTN	19-Aug-98	< 0.5	U	0.53		< 0.5	U	< 1	U	350	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-05	DUP	8-Dec-98	< 0.5	U	0.76		< 0.5	U	< 1	U	350	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-05	RTN	8-Dec-98	< 5	DU	< 5	DU	< 5	DU			450	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	24-Feb-99	< 1	DU	1.4	D	< 1	DU	< 3	DU	610	D	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 3	DU
W-832-05	RTN	30-Jun-99	< 6	DU	< 6	DU	< 6	DU	< 20	DU	500	D	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 20	DU
W-832-05	DUP	30-Jun-99	< 0.5	U	1.4		< 0.5	U	1.4		510	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L		cis-1,2-DCE ug/L		trans-1,2-DCE ug/L		Total 1,2-DCE ug/L		TCE ug/L		PCE ug/L		1,1-DCA ug/L		1,2-DCA ug/L		1,1,1-TCA ug/L		Chloroform ug/L		Freon 11 ug/L		Freon 113 ug/L		Methylene chloride ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-05	RTN	24-Sep-99	< 0.5	U	1.2		< 0.5	U	1.2		340	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-05	RTN	21-Dec-99	< 0.5	U	1.2		< 0.5	U	1.2		520	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-05	RTN	15-Mar-00	< 0.5	U	0.98		< 0.5	U	< 1	U	330	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-05	RTN	21-Jun-00	< 0.5	U	0.94		< 0.5	U	< 1	U	620	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-05	DUP	21-Jun-00	< 0.5	U	1.6		< 0.5	U	< 0.5	U	470	DOO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	15-Aug-00	< 0.5	U	1.2		< 0.5	U	1.2		520	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-05	RTN	15-Aug-00	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	350	DLO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	21-Nov-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-05	RTN	13-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-05	RTN	24-May-01	< 0.5	U	0.56		< 0.5	U	< 1	U	290	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-05	DUP	24-May-01	< 0.5	U	0.6		< 0.5	U	< 0.5	U	360	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	19-Sep-01	< 12	DU	< 12	DU	< 12	DU	< 12	DU	270	D	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU
W-832-05	DUP	14-Dec-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	14-Dec-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	18-Mar-02	< 1	LODU	2.9	LOD	< 1	LODU	< 1	LODU	13	LOD	< 1	LODU	< 1	LODU	< 1	LODU	< 1	LODU	< 1	LODU	< 1	LODU	< 1	LODU	< 1	LODU
W-832-05	RTN	18-Jun-02	< 5	LODU	8.3	LOD	< 5	LODU	< 5	LODU	150	LOD	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU
W-832-05	RTN	25-Sep-02	< 5	DU	< 5	DOU	< 5	DU	< 5	DU	620	DL	< 5	DU	< 5	DOU	< 5	DU	< 5	DOU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	19-Mar-03	< 0.5	U	1.9	O	< 0.5	U	< 0.5	U	4.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	8-Sep-03	< 0.5	U	17		< 0.5	U	< 0.5	U	53	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.9		< 0.5	U	< 0.5	OU	< 0.5	U
W-832-05	RTN	2-Feb-04	< 0.5	U	0.73	L	< 0.5	U	< 0.5	U	8.8	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	28-Jul-04	< 5	DU	6.8	D	< 5	DU	< 5	DU	160	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-06	RTN	9-Mar-95	< 1	U					< 1	U	2.6		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-06	RTN	25-May-95	< 0.5	U					< 0.5	U	2.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	25-May-95	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	28-Jul-95	< 0.5	U					< 0.5	U	2.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.73		< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	12-Dec-95	< 0.5	U					< 0.5	U	1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	7-Feb-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	24-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-06	RTN	24-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	24-Sep-96	< 0.5	U	< 0.5	U	< 0.5	U			2.6	LO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	12-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			0.81		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	6-Mar-97	< 0.5	U	< 0.5	U	< 0.5	U			1.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	26-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			1.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	29-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	8-Dec-97	< 0.5	U	< 0.5	U	< 0.5	U			1.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	10-Mar-98	< 0.5	U	< 0.5	U	< 0.5	U			1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	28-May-98	< 0.5	U	< 0.5	U	< 0.5	U			1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	19-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.89		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-06	RTN	8-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.64		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-06	DUP	24-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-06	RTN	24-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U			0.82		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	30-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.64		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-06	RTN	24-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-06	RTN	21-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-06	RTN	1-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-06	RTN	21-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-06	RTN	18-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU
W-832-06	RTN	10-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-06	RTN	19-Mar-03	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	8-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U
W-832-06	RTN	2-Feb-04	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	21-Nov-94	< 1	U					< 1	U	< 0.5	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-09	RTN	16-Mar-95	< 1	U					< 1	U	< 0.5	LOU	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-09	DUP	16-Mar-95	< 1	U					< 1	U	< 0.5	LOU	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-09	RTN	19-May-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	28-Jul-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	28-Jul-95	< 0.5	U			< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	8-Dec-95	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	6-Feb-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	19-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	24-Sep-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	LOU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	17-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	27-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	20-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	27-Aug-97	< 0.5	UO	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	24-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	19-Mar-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	18-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	18-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-09	RTN	15-Dec-98	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU
W-832-09	RTN	24-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-09	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-09	RTN	30-Mar-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-09	RTN	21-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-09	RTN	15-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-09	RTN	18-Jun-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-832-09	RTN	20-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	8-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U
W-832-09	RTN	29-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	28-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	15-Jun-98	< 1	U					1.6		82	D	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	2.4		< 1	U	< 1	U		
W-832-10	RTN	18-Sep-98	< 0.5	U	2.2		< 0.5	U	2.2		140	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	4.4		< 0.5	U	< 1	U		
W-832-10	RTN	8-Dec-98	< 0.5	U	3		< 0.5	U	3		130	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	3		< 0.5	U	< 1	U		
W-832-10	RTN	24-Feb-99	< 0.5	U	3.2		< 0.5	U			150	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	3		< 0.5	U	< 0.5	U		
W-832-10	RTN	29-Jun-99	< 0.5	U	4.2		< 0.5	U	4.2		130	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	3		< 0.5	U	< 1	U		
W-832-10	RTN	22-Sep-99	< 0.5	U	4.2		< 0.5	U	4.2		110	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.8		< 0.5	U	< 1	U		
W-832-10	RTN	20-Dec-99	< 0.5	U	4.3		< 0.5	U	4.3		110	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-10	RTN	2-Feb-00	< 0.5	U	4.7		< 0.5	U	4.7		130	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.7		< 0.5	U	< 1	U		
W-832-10	RTN	21-Jun-00	< 0.5	U	4.5		< 0.5	U	4.5		160	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.6		< 0.5	U	< 1	U		
W-832-10	RTN	15-Aug-00	< 0.5	U	5		< 0.5	U	5		140	DJ	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.4	D	< 0.5	U	< 1	U		
W-832-10	RTN	20-Nov-00	< 0.5	U	4.1		< 0.5	U	4.1		96	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.1		< 0.5	U	< 1	U		
W-832-10	RTN	15-Feb-01	< 0.5	U	4.5		< 0.5	U	4.5		110	BDF	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.4		< 0.5	U	< 1	U		
W-832-10	RTN	22-May-01	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU	110	D	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU
W-832-10	RTN	20-Sep-01	< 5	DU	< 5	DU	< 5	DU	< 5	DU	110	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 50	DU
W-832-10	RTN	11-Dec-01	< 2.5	DU	4.5	D	< 2.5	DU	< 2.5	DU	150	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-10	DUP	11-Dec-01	< 3.1	DU	4.2	D	< 3.1	DU	< 3.1	DU	120	D	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU
W-832-10	RTN	22-Mar-02	< 2.5	LODU	3.6	LOD	< 2.5	LODU	< 2.5	LODU	150	LOD	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU
W-832-10	RTN	10-Jun-02	< 0.5	U	4.4		< 0.5	U	4.4		130	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.2		< 0.5	U	< 1	U		
W-832-10	RTN	26-Sep-02	< 5	DU			< 5	UDO	< 5	DU	200	DO	< 5	UDO	< 5	UDO	< 5	DU	< 5	UDO	< 5	UDO	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-10	DUP	20-Mar-03	< 5	DU	5.3	D	< 5	DU	< 5	DU	120	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-10	RTN	20-Mar-03	< 5	DU	< 5	DU	< 5	DU	< 5	DU	130	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-10	RTN	8-Sep-03	< 0.5	U	0.53		< 0.5	U	< 0.5	U	14	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U
W-832-10	RTN	9-Feb-04	< 2.5	DU	3.1	D	< 2.5	DU	< 2.5	DU	92	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-10	RTN	28-Jul-04	< 5	DU	< 5	DU	< 5	DU	< 5	DU	110	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-11	RTN	15-Jun-98	< 1	U					5.2		100	D	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-11	RTN	18-Sep-98	< 0.5	U	5.6		< 0.5	U	5.6		110	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.87		< 0.5	U	< 1	U		
W-832-11	RTN	8-Dec-98	< 0.5	U	6.3		< 0.5	U	6.3		120	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.79		< 0.5	U	< 1	U		
W-832-11	RTN	24-Feb-99	< 0.5	U	6.7		< 0.5	U	6.7		110	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.65		< 0.5	U	< 1	U		
W-832-11	RTN	29-Jun-99	< 0.5	U	8.2		< 0.5	U	8.2		110	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.53		0.64		< 0.5	U	< 1	U
W-832-11	RTN	23-Sep-99	< 0.5	U	8.4		< 0.5	U	8.4		110	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.5	U	0.6		< 0.5	U	< 1	U
W-832-11	RTN	20-Dec-99	< 0.5	U	7.2		< 0.5	U	7.2		110	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.66		< 0.5	U	< 1	U		
W-832-11	RTN	2-Feb-00	< 0.5	U	6.6		< 0.5	U	6.6		130	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.5		0.75		< 0.5	U	< 1	U
W-832-11	RTN	21-Jun-00	< 0.5	U	6.7		< 0.5	U	6.7		170	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.51		< 0.5	U	< 1	U
W-832-11	RTN	15-Aug-00	< 0.5	U	7.5		< 0.5	U	7.5		170	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.63		< 0.5	U	< 1	U
W-832-11	RTN	20-Nov-00	< 0.5	U	7.4		< 0.5	U	7.4		160	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-11	RTN	15-Feb-01	< 0.5	U	6.8		< 0.5	U	6.8		140	BDF	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.55		< 0.5	U	< 1	U
W-832-11	RTN	22-May-01	< 3.6	DU	4.8	D	< 3.6	DU	< 3.6	DU	120	D	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU
W-832-11	RTN	20-Sep-01	< 5	DU	6.2	D	< 5	DU	6.2	D	100	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 50	DU
W-832-11	RTN	11-Dec-01	< 3.1	DU	6.5	D	< 3.1	DU	< 3.1	DU	160	D	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU
W-832-11	RTN	22-Mar-02	< 2.5	LODU	6.4	LOD	< 2.5	LODU	< 2.5	LODU	130	LOD	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU
W-832-11	RTN	26-Sep-02	< 5	DU	5.4	DJO	< 5	UDO	5.4	D	210	DO	< 5	UDO	< 5	UDO	< 5	DU	< 5	UDO	< 5	UDO	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-11	RTN	20-Mar-03	< 2.5	DU	5.4	D	< 2.5	DU	< 2.5	DU	130	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-11	RTN	8-Sep-03	< 0.5	U	0.55		< 0.5	U	< 0.5	U	15	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U
W-832-11	RTN	9-Feb-04	< 5	DU	5.2	D	< 5	DU	< 5	DU	130	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-11	RTN	28-Jul-04	< 2.5	DU	4.8	D	< 2.5	DU	< 2.5	DU	140	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-12	RTN	16-Mar-98	< 1	U					1.4		62	DLO	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-12	RTN	11-Jun-98	< 0.5	U	1		< 0.5	U			68	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	18-Sep-98	< 0.5	U	2		< 0.5	U	2		86	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	16-Mar-99	< 0.5	U	1.7		< 0.5	U	1.7		72	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	30-Jun-99	< 2	DU	< 2	DU	< 2	DU	< 5	DU	79	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 5	DU		
W-832-12	RTN	23-Mar-00	< 0.5	U	0.67		< 0.5	U	< 1	U	38		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	30-Jun-00	< 0.5	U	1.1		< 0.5	U	1.1		80		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	25-Sep-00	< 0.5	U	1		< 0.5	U	1		46	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 1	U
W-832-12	RTN	5-Dec-00	< 3	DU	< 3	DU	< 3	DU	< 5	DU	29	DF	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU		
W-832-12	RTN	7-Mar-01	< 2	DU	< 2	DU	< 2	DU	< 4	DU	60	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 4	DU		
W-832-12	RTN	27-Jun-01	< 2	DU	< 2	DU	< 2	DU	< 3	DU	7	D	< 2	DU	< 2	DU			< 2	DU	< 2	DU	< 2	DU	< 2	DU				
W-832-12	RTN	25-Sep-01	< 0.5	U	1.9		< 0.5	U	1.9		81		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	13-Dec-01	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	86	D	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU		
W-832-12	RTN	15-Feb-02	< 0.5	U	1.6		< 0.5	U	1.6		66		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	23-Apr-02	< 0.5	U	1.6		< 0.5	U	1.6		86		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	25-Jul-02	< 0.5	U	1.7		< 0.5	U	1.7		83		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	25-Nov-02	< 0.5	U	1.5		< 0.5	U	1.5		62		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	31-Mar-03	< 0.5	U	1.3		< 0.5	U	1.3		50		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	8-Jul-03	< 0.5	U	1.2		< 0.5	U	1.2		55		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	2-Oct-03	< 0.5	U	1.6		< 0.5	U	1.6		68		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	21-Jan-04	< 0.5	U	1.3		< 0.5	U	1.3		57		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	7-Apr-04	< 0.5	U	1.6		< 0.5	U	1.6		78		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	14-Jul-04	< 0.5	U	1.1		< 0.5	U	1.1		38		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-12	RTN	6-Oct-04	< 0.5	U	1.5		< 0.5	U	1.5		60		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-13	RTN	16-Mar-98	< 1	U					1.2		140	DLO	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U		
W-832-13	RTN	11-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			140	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	18-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	270	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-832-13	RTN	15-Dec-98	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU	190	DH	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU	< 1	HU
W-832-13	RTN	16-Mar-99	< 0.5	U	1.2		< 0.5	U	1.2		120	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-13	RTN	30-Jun-99	< 6	DU	< 6	DU	< 6	DU	< 20	DU	180	D	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 20	DU
W-832-13	RTN	23-Mar-00	< 0.5	U	1.1		< 0.5	U	1.1		100	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-13	RTN	7-Mar-01	< 5	DU	< 5	DU	< 5	DU	< 10	DU	34	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 10	DU
W-832-13	RTN	27-Jun-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	55		< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U		
W-832-13	RTN	25-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	31		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-13	RTN	13-Dec-01	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	93	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-13	RTN	31-Mar-03	< 0.5	U	0.8		< 0.5	U	< 1	U	68		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-13	RTN	8-Jul-03	< 0.5	U	1		< 0.5	U	1		46		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-13	RTN	2-Oct-03	< 0.5	U	1.3		< 0.5	U	1.3		55		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-13	RTN	21-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	28		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-13	RTN	7-Apr-04	< 0.5	U	0.69		< 0.5	U	< 1	U	53		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-13	RTN	14-Jul-04	< 0.5	U	1		< 0.5	U	1		32		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-13	RTN	6-Oct-04	< 0.5	U	0.68		< 0.5	U	< 1	U	16		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-14	RTN	17-Mar-98	< 1	U					< 1	U	280	DL	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-14	RTN	12-Jun-98	< 2.5	DU	< 2.5	DU	< 2.5	DU			360	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-14	RTN	18-Sep-98	< 0.5	U	1		< 0.5	U	1		260	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-14	RTN	16-Mar-99	< 0.5	U	0.85		< 0.5	U	< 1	U	270	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-14	RTN	30-Jun-99	< 6	DU	< 6	DU	< 6	DU	< 20	DU	350	D	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 6	DU	< 20	DU
W-832-14	DUP	30-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	440	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-14	RTN	23-Mar-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	200	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-14	RTN	30-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	140	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-14	RTN	14-Jul-04	< 0.5	U	0.84		< 0.5	U	< 1	U	32		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	16-Mar-98	< 1	U					1.4		130	DLO	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-15	RTN	11-Jun-98	< 0.5	U	1.1		< 0.5	U			110	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	18-Sep-98	< 0.5	U	2		< 0.5	U	2		98	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	16-Mar-99	< 0.5	U	2.1		< 0.5	U	2.1		99	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	30-Jun-99	< 2	DU	2.4	D	< 2	DU	< 5	DU	110	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 5	DU
W-832-15	RTN	23-Mar-00	< 0.5	U	1.3		< 0.5	U	1.3		97		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	25-Sep-00	< 0.5	U	1.7		< 0.5	U	1.7		96	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 1	U
W-832-15	RTN	7-Mar-01	< 3	DU	< 3	DU	< 3	DU	< 5	DU	51	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-832-15	RTN	27-Jun-01	< 0.5	U	1.1		< 0.5	U	1.1		76		< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U		
W-832-15	RTN	25-Sep-01	< 0.5	U	1.4	J	< 0.5	U	1.4		83		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	13-Dec-01	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	81	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-15	RTN	15-Feb-02	< 0.5	U	1.1		< 0.5	U	1.1		52		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	23-Apr-02	< 0.5	U	1		< 0.5	U	1		55		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	25-Jul-02	< 0.5	U	0.99		< 0.5	U	< 1	U	54		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	31-Mar-03	< 0.5	U	1.3		< 0.5	U	1.3		65		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	8-Jul-03	< 0.5	U	0.76		< 0.5	U	< 1	U	42		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	2-Oct-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	40		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	21-Jan-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	8.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	7-Apr-04	< 0.5	U	0.5		< 0.5	U	< 1	U	21		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-15	RTN	14-Jul-04	< 0.5	U	0.98		< 0.5	U	< 1	U	33		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-16	RTN	16-Mar-98	< 1	U					< 1	U	54	DLO	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-16	RTN	11-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			88	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-16	RTN	18-Sep-98									68	IJD																
W-832-16	RTN	16-Mar-99	< 0.5	U	0.69		< 0.5	U	< 1	U	12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-16	RTN	30-Jun-99	< 0.5	U	1.6		< 0.5	U	1.6		17		< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-16	RTN	23-Mar-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-17	RTN	17-Mar-98	< 1	U					< 1	U	88	DL	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-17	RTN	11-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			89	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-17	RTN	18-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	150	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-17	RTN	16-Mar-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	130	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-17	RTN	30-Jun-99	< 2	DU	< 2	DU	< 2	DU	< 5	DU	190	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 5	DU
W-832-17	RTN	23-Mar-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-18	RTN	24-Mar-98	< 1	U					< 1	U	1300	D	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-18	RTN	12-Jun-98	< 13	DU	< 13	DU	< 13	DU			1500	D	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU
W-832-18	DUP	18-Sep-98	< 0.5	U	0.5		< 0.5	U	< 1	U	1800	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-18	RTN	18-Sep-98	< 13	DU	< 13	DU	< 13	DU			1600	D	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU	< 13	DU
W-832-18	RTN	16-Mar-99	< 9	DU	< 9	DU	< 9	DU	< 20	DU	1200	D	< 9	DU	< 9	DU	< 9	DU	< 9	DU	< 9	DU	< 9	DU	< 9	DU	< 20	DU
W-832-18	RTN	31-Mar-03	< 0.5	U	1.5		< 0.5	U	1.5		480	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-18	RTN	8-Jul-03	< 0.5	U	2		< 0.5	U	2		190	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-18	RTN	2-Oct-03	< 0.5	U	1.4		< 0.5	U	1.4		130	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	RTN	24-Mar-98	< 1	U					< 1	U	43		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-19	RTN	12-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			73	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	18-Sep-98	< 0.5	U	0.6		< 0.5	U	< 1	U	100	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	RTN	16-Mar-99	< 0.5	U	1		< 0.5	U	1		99	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	RTN	30-Jun-99	< 2	DU	< 2	DU	< 2	DU	< 5	DU	84	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	5.6	DF
W-832-19	RTN	23-Sep-99	< 0.5	U	1.4		< 0.5	U	1.4		97		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	RTN	21-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	47		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	RTN	2-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	9.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	39		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	DUP	22-Jun-00	< 0.5	U	0.9		< 0.5	U	< 0.5	U	38	DOO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	15-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	33		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	RTN	15-Aug-00	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	34	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-832-19	RTN	21-Nov-00	< 2	DU	< 2	DU	< 2	DU	< 3	DU	56	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 3	DU
W-832-19	RTN	13-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	9.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	RTN	22-May-01	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU	33	D	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU
W-832-19	RTN	20-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.95		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 5	U
W-832-19	RTN	18-Mar-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	RTN	18-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	7.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	RTN	26-Sep-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.56		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-19	RTN	21-Mar-03	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	9.8	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-832-20	RTN	24-Mar-98	< 10	DU					< 10	DU	330	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-20	RTN	12-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			210	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-20	RTN	18-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	360	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-20	RTN	16-Mar-99	< 2	DU	< 2	DU	< 2	DU	< 4	DU	330	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 4	DU
W-832-20	RTN	23-Mar-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	75		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-21	RTN	24-Mar-98	< 1	U					< 1	U	27		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-21	RTN	11-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-23	RTN	24-Mar-99	< 0.5	U	0.61		< 0.5	U	< 1	U	600	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-23	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	520	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-23	RTN	24-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	440	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-23	RTN	21-Dec-99	< 0.5	U	0.55		< 0.5	U	< 1	U	520	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-23	RTN	1-Feb-00	< 1	DU	< 1	DU	< 1	DU	< 2	DU	400	D	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 2	DU
W-832-23	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	470	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-23	RTN	31-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	370	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-23	RTN	21-Nov-00	< 20	DU	< 20	DU	< 20	DU	< 30	DU	380	D	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU	< 30	DU
W-832-23	RTN	12-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	610	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-23	RTN	23-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	120	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-23	RTN	20-Sep-01	< 12	DU	< 12	DU	< 12	DU	< 12	DU	340	D	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 12	DU	< 120	DU
W-832-23	RTN	18-Dec-01	< 10	DU	< 10	DU	< 10	DU	< 10	DU	480	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-23	RTN	18-Mar-02	< 10	LODU	< 10	LODU	< 10	LODU	< 10	LODU	360	LOD	< 10	LODU	< 10	LODU	< 10	LODU	< 10	LODU	< 10	LODU	< 10	LODU	< 10	LODU	< 10	LODU
W-832-23	RTN	10-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	320	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-23	RTN	25-Sep-02	< 10	DU	< 10	DOU	< 10	DU	< 10	DU	520	DL	< 10	DU	< 10	DOU	< 10	DU	< 10	DOU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-23	RTN	21-Mar-03	< 5	DOU	< 5	DOU	< 5	DOU	< 5	DU	200	DO	< 5	DOU	< 5	DOU	< 5	DOU	< 5	DOU	< 5	DOU	< 5	DOU	< 5	DU	< 5	DOU
W-832-23	RTN	8-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	23	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U
W-832-23	DUP	9-Feb-04	< 10	DU	< 10	DU	< 10	DU	< 10	DU	390	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-23	RTN	9-Feb-04	< 10	DU	< 10	DU	< 10	DU	< 10	DU	360	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-23	RTN	28-Jul-04	< 10	DU	< 10	DU	< 10	DU	< 10	DU	420	D	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-24	RTN	24-Mar-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	30		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-24	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	47	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-24	RTN	24-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	44		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-24	RTN	2-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	46		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-24	RTN	22-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	57		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-24	RTN	15-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	52		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-24	RTN	21-Nov-00	< 2	DU	< 2	DU	< 2	DU	< 3	DU	43	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 3	DU
W-832-24	RTN	13-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	45		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-24	RTN	23-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	40		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-24	RTN	18-Sep-01	< 1	DU	< 1	DU	< 1	DU	< 1	DU	44	D	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-832-24	RTN	11-Dec-01	< 0.96	DU	< 0.96	DU	< 0.96	DU	< 0.96	DU	47	D	< 0.96	DU	< 0.96	DU	< 0.96	DU	< 0.96	DU	< 0.96	DU	< 0.96	DU	< 0.96	DU	< 0.96	DU
W-832-24	RTN	18-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	44	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-832-24	RTN	10-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	48		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-24	RTN	25-Sep-02	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	56	JL	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	21-Mar-03	< 2.5	DOU	< 2.5	DOU	< 2.5	DOU	< 2.5	DU	58	DO	< 2.5	DOU	< 2.5	DOU	< 2.5	DOU	< 2.5	DOU	< 2.5	DOU	< 2.5	DOU	< 2.5	DU	< 2.5	DOU
W-832-24	RTN	8-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	76	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U
W-832-24	RTN	9-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	55		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	28-Jul-04	< 1	DU	< 1	DU	< 1	DU	< 1	DU	50	D	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-832-25	RTN	15-Feb-00	< 0.5	U	1.6		< 0.5	U	1.6		110	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.72		< 0.5	U	< 1	U
W-832-25	RTN	23-Jun-00	< 0.5	U	1.6		< 0.5	U	1.6		86	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.97		< 0.5	U	< 1	U
W-832-25	RTN	14-Sep-00	< 0.5	U	1.4		< 0.5	U	1.4		110	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.74		< 0.5	U	< 1	U
W-832-25	RTN	19-Dec-00	< 3	DU	< 3	DU	< 3	DU	< 5	DU	91	D	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU	< 5	DU
W-832-25	RTN	15-Feb-01	< 0.5	U	1.7		< 0.5	U	1.7		100	BDF	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.93		< 0.5	U	< 1	U
W-832-25	RTN	23-May-01	< 0.5	U	1.1		< 0.5	U	1.1		70		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.56		< 0.5	U	< 1	U
W-832-25	RTN	25-Sep-01	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	64	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-25	DUP	25-Sep-01	< 2	DU	< 2	DU	< 2	DU	< 2	DU	62	D	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-25	RTN	11-Dec-01	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	100	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-25	DUP	22-Mar-02	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU	88	LOD	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU
W-832-25	RTN	22-Mar-02	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU	80	LOD	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU
W-832-25	RTN	11-Jun-02	< 0.5	U	0.77		< 0.5	U	< 1	U	86	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.9		< 0.5	U	< 1	U
W-832-25	RTN	26-Sep-02	< 2.5	DU			< 2.5	UDO	< 2.5	DU	120	DO	< 2.5	UDO	< 2.5	UDO	< 2.5	DU	< 2.5	UDO	< 2.5	UDO	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-25	DUP	24-Mar-03	< 2.5	DU	< 2.5	UDO	< 2.5	UDO	< 2.5	DU	89	D	< 2.5	UDO	< 2.5	UDO	< 2.5	UDO	< 2.5	UDO	< 2.5	DU	< 2.5	DU	< 2.5	UDO	< 2.5	DU
W-832-25	RTN	24-Mar-03	< 2.5	DU	< 2.5	UDO	< 2.5	UDO	< 2.5	DU	35	D	< 2.5	UDO	< 2.5	UDO	< 2.5	UDO	< 2.5	UDO	< 2.5	DU	< 2.5	DU	< 2.5	UDO	< 2.5	DU
W-832-25	DUP	27-Aug-03	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	94	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-25	RTN	27-Aug-03	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	94	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-25	RTN	9-Feb-04	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	86	D	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-25	RTN	28-Jul-04	< 5	DU	< 5	DU	< 5	DU	< 5	DU	92	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-SC1	RTN	12-Nov-96	< 0.5	U	< 0.5	U	< 0.5	U			17		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	24-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			22		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	10-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			32	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	8-Sep-97	< 0.5	U	< 0.5	U	< 0.5	U			12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-832-SC1	DUP	8-Sep-97	< 0.5	U	< 0.5	U	< 0.5	U			12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	14-Oct-97	< 0.5	U	< 0.5	U	< 0.5	U			17		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	20-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			3.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	8-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			75	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	26		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC1	DUP	28-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	63	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC1	RTN	28-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U			67	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	25-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	72	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC1	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	48	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC1	RTN	27-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	62		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC1	RTN	22-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	33		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC1	RTN	1-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	35		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC1	RTN	16-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	64	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC1	RTN	7-Jun-01	< 0.5	U	0.54		< 0.5	U	< 1	U	71		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC1	RTN	25-Mar-03	< 1	DOU	1.3	DO	1	DO	2.3	D	39	DO	< 1	DOU	< 1	DOU	< 1	DOU	< 1	DOU	< 1	DOU	< 1	DOU	< 1	DOU	< 1	DOU
W-832-SC1	DUP	2-Sep-03	< 0.5	U	2.9		4.6		7.5		72		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	2-Sep-03	< 0.5	U	3		5.3		8.3		77		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	28-Jul-04	< 1	DU	2.1	D	4.4	D	< 1	DU	85	DL	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-832-SC2	RTN	12-Nov-96	< 0.5	U	0.62		< 0.5	U			24		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	24-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			5.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	10-Jun-97	< 0.5	U	1.1		0.5				6.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	14-Oct-97	< 0.5	U	< 0.5	U	< 0.5	U			4.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	20-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	8-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC2	RTN	28-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.97		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC2	RTN	23-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC2	RTN	29-Jun-99	< 0.5	U	0.94		0.71		1.65		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC2	RTN	27-Sep-99	< 0.5	U	1.1		0.89		1.99		1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC2	RTN	22-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.81		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC2	RTN	1-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	3.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC2	RTN	16-Jun-00	< 0.5	U	0.56		0.56		1.12		1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC2	RTN	7-Jun-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC2	RTN	26-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	25-Mar-03	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-832-SC3	RTN	12-Nov-96	< 0.5	U	< 0.5	U	< 0.5	U			4.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	24-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	10-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			2.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	14-Oct-97	< 0.5	U	< 0.5	U	< 0.5	U			4.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	20-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	DUP	8-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	9.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-832-SC3	RTN	8-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			9.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	29-Sep-98	< 0.5	U	15		0.87		15.87		2.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC3	RTN	22-Dec-98	< 0.5	U	0.76		< 0.5	U	< 1	U	2.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC3	RTN	25-Feb-99	< 0.5	U	0.65		< 0.5	U	< 1	U	6.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC3	RTN	22-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC3	RTN	16-Jun-00	< 0.5	U	1		< 0.5	U	1		19		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC3	RTN	7-Jun-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	12		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC3	RTN	20-Jun-02	< 0.5	U	1.7		2.4		4.1		29		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC3	RTN	25-Mar-03	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	14	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-832-SC3	RTN	2-Sep-03	< 0.5	U	0.55		1.2		1.7		45		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	2-Feb-04	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	10	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	12-Nov-96	< 0.5	U	< 0.5	U	< 0.5	U			15		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	10-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			13		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	2-Jan-97	< 0.5	U	< 0.5	U	< 0.5	U			10		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	22-Jan-97	< 0.5	U	< 0.5	U	< 0.5	U			9.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	24-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			9.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	10-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			11		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	14-Oct-97	< 0.5	U	< 0.5	U	< 0.5	U			13		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	20-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			9.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	8-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			9.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	4.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC4	RTN	28-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC4	RTN	23-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	3.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC4	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	5.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	UL	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC4	RTN	22-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	6.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC4	RTN	1-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	7.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC4	RTN	16-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	7.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC4	RTN	31-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	6.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC4	RTN	20-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	13		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U		
W-832-SC4	RTN	21-Mar-03	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	15		< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U
W-832-SC4	RTN	2-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	15		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	2-Feb-04	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	18	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U
W-832-1927	RTN	27-Jun-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	28		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-1927	RTN	24-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	31		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U	0.51		< 0.5	U	< 0.5	U
W-832-1927	RTN	6-Nov-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	38		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L	TCE ug/L FLAG	PCE ug/L	PCE ug/L FLAG	1,1-DCA ug/L	1,1-DCA ug/L FLAG	1,2-DCA ug/L	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L	1,1,1-TCA ug/L FLAG	Chloroform ug/L	Chloroform ug/L FLAG	Freon 11 ug/L	Freon 11 ug/L FLAG	Freon 113 ug/L	Freon 113 ug/L FLAG	Methylene chloride ug/L	Methylene chloride ug/L FLAG
W-832-1927	RTN	11-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	28		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-1927	RTN	26-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	31		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.68		< 0.5	U	< 0.5	U
W-832-1927	RTN	26-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	38		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.57		< 0.5	U	< 0.5	U
W-870-01	RTN	10-Mar-97	< 0.5	U	< 0.5	U	< 0.5	U			0.69		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-01	RTN	18-Mar-98	< 1	U					< 1	U	0.91		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-870-01	RTN	27-May-98	< 1	U					< 1	U	1.5		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-870-02	DUP	18-Jun-97	< 0.5	U			< 0.5	U	< 1	U	1.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	18-Jun-97	< 1	U					< 1	U	0.94		< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-870-02	RTN	8-Sep-97	< 0.5	U	< 0.5	U	< 0.5	U			1.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	4-Dec-97	< 0.5	U	< 0.5	U	< 0.5	U			1.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	DUP	20-Mar-98	< 0.5	UO	< 0.5	U	< 0.5	U			2.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	20-Mar-98	< 0.5	UO	< 0.5	U	< 0.5	U			1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	27-May-98	< 0.5	U	< 0.5	U	< 0.5	U			0.87		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	30-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	22-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	23-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	30-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	29-Sep-99	< 0.5	U			< 0.5	U	< 1	U	1.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	22-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	3-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.2		< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	LU
W-870-02	RTN	30-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	14-Sep-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.7		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	13-Dec-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	20-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	31-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.3		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	25-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	1.6		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-870-02	RTN	25-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.2		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	14-Dec-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.4		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	22-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-870-02	RTN	26-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	30-Sep-02	< 0.5	U	< 0.5	OU	< 0.5	OU	< 0.5	U	1.4	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU
W-870-02	RTN	21-Mar-03	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	1.6	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU
W-870-02	RTN	24-Sep-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	10-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	28-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	24-Jan-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	11-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	ULO	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	22-Aug-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	27-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	12-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	16-Apr-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	27-Aug-97	< 0.5	UO	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	12-Dec-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	11-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	13-May-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	30-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	10-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	22-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	18-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	30-Aug-99	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-880-01	RTN	13-Dec-99	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-880-01	RTN	1-Mar-00	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	13-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	27-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	31-Oct-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 1	U
W-880-01	RTN	24-Jan-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	16-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	26-Sep-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	20-Nov-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	24-Jan-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	21-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	28-Aug-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	20-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	24-Apr-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	JU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	23-Jul-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	11-Oct-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	17-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	13-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	7-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-01	RTN	25-Oct-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	26-Jan-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	DUP	17-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	17-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	12-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	24-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	1,1-DCE ug/L FLAG	cis-1,2-DCE ug/L RESULT	cis-1,2-DCE ug/L FLAG	trans-1,2-DCE ug/L RESULT	trans-1,2-DCE ug/L FLAG	Total 1,2-DCE ug/L RESULT	Total 1,2-DCE ug/L FLAG	TCE ug/L RESULT	TCE ug/L FLAG	PCE ug/L RESULT	PCE ug/L FLAG	1,1-DCA ug/L RESULT	1,1-DCA ug/L FLAG	1,2-DCA ug/L RESULT	1,2-DCA ug/L FLAG	1,1,1-TCA ug/L RESULT	1,1,1-TCA ug/L FLAG	Chloroform ug/L RESULT	Chloroform ug/L FLAG	Freon 11 ug/L RESULT	Freon 11 ug/L FLAG	Freon 113 ug/L RESULT	Freon 113 ug/L FLAG	Methylene chloride ug/L RESULT	Methylene chloride ug/L FLAG
W-880-02	RTN	19-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	21-Aug-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	13-Nov-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	11-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	0.82		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	13-May-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	30-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	3-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	19-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.67	F	0.55		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	25-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	30-Aug-99	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	8-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	1-Mar-00	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	19-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.73		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	27-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.59		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	30-Oct-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.61		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	24-Jan-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.55		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	20-Apr-01	< 0.5	U	< 0.5	OU	< 0.5	U	< 1	U	< 0.5	U	0.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	DUP	20-Apr-01	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-880-02	RTN	23-Jul-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	0.52		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	20-Nov-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	0.53		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	24-Jan-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.62		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	21-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	28-Aug-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	0.59		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	19-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.54		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	24-Apr-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.62	J	0.57		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	23-Jul-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	11-Oct-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.59		0.53		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	5-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	13-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	0.51		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	DUP	13-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	7-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	0.53		0.51		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	25-Oct-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	0.57		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-02	RTN	25-Oct-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.5	F	0.5	F	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U					< 3	U
W-880-02	RTN	25-Oct-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.5		0.5		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U					< 3	U
W-880-03	RTN	24-Jan-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	DUP	24-Jan-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	17-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	22-Aug-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	27-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	12-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	16-Apr-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	27-Aug-97	< 0.5	UO	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	12-Dec-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	11-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	13-May-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	30-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	10-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	22-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	18-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	30-Aug-99	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	13-Dec-99	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-880-03	RTN	7-Mar-00	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-880-03	RTN	13-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	27-Jul-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	31-Oct-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	24-Jan-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	23-Apr-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	21-Aug-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	20-Nov-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	24-Jan-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	21-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	28-Aug-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	20-Dec-02	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	14-Mar-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	24-Apr-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	JU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	23-Jul-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	11-Oct-03	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	17-Feb-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	13-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	7-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
W-880-03	RTN	25-Oct-04	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
3SW-832-001	RTN	17-Feb-95	< 0.5	U					7.5		40	D	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
3SW-832-001	DUP	5-Apr-95	< 0.5	U					12		3.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
3SW-832-001	DUP	5-Apr-95	< 0.5	U					11		3.1		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
3SW-832-004	RTN	16-Jan-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-2. VOCs in ground water and surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	1,1-DCE ug/L RESULT	FLAG	cis-1,2-DCE ug/L RESULT	FLAG	trans-1,2-DCE ug/L RESULT	FLAG	Total 1,2-DCE ug/L RESULT	FLAG	TCE ug/L RESULT	FLAG	PCE ug/L RESULT	FLAG	1,1-DCA ug/L RESULT	FLAG	1,2-DCA ug/L RESULT	FLAG	1,1,1-TCA ug/L RESULT	FLAG	Chloroform ug/L RESULT	FLAG	Freon 11 ug/L RESULT	FLAG	Freon 113 ug/L RESULT	FLAG	Methylene chloride ug/L RESULT	FLAG
3SW-832-004	RTN	10-Dec-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
3SW-832-004	RTN	2-Jan-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
3SW-832-004	RTN	22-Jan-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
3SW-832-004	RTN	19-Mar-97	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	16-Dec-82									9.5	P																
SPRING3	RTN	4-May-83									4.9	P																
SPRING3	RTN	3-Aug-83									< 0.5	P																
SPRING3	RTN	19-Sep-83									< 0.5	P																
SPRING3	RTN	23-Aug-84									40	P																
SPRING3	RTN	28-Jan-85									2.2	P																
SPRING3	RTN	17-Apr-85	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P			< 0.5	P
SPRING3	RTN	12-Jul-85	< 0.5	P					< 0.5	P	200	P	3.7	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P			< 0.5	P
SPRING3	RTN	16-Oct-85	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
SPRING3	RTN	19-Nov-85	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
SPRING3	RTN	18-Mar-86	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P			< 0.5	P
SPRING3	RTN	6-Jun-86	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
SPRING3	RTN	20-Nov-86	< 0.5	P					< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
SPRING3	RTN	14-Nov-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	1.1	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 2	P
SPRING3	RTN	3-Sep-93	< 0.5	U					0.9		26		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	20-Apr-94	< 0.5	U					< 0.5	U	28		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	24-Oct-95	< 0.5	U					< 0.5	U	22		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	24-Oct-95	< 0.5	U			< 0.5	U			20		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	21-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			0.72		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	21-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			0.85		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	12-Nov-96	< 0.5	U	2.2		0.53				6.9		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	24-Feb-97	< 0.5	U	< 0.5	U	< 0.5	U			33		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	10-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U			24		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	14-Oct-97	< 0.5	U	< 0.5	U	< 0.5	U			30		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	20-Feb-98	< 0.5	U	< 0.5	U	< 0.5	U			26		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	8-Jun-98	< 0.5	U	< 0.5	U	< 0.5	U			27		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	29-Sep-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	28-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	30		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.62		< 1	U
SPRING3	RTN	25-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	26		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	30-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	18		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	DUP	30-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	20		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	16-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	15		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	15-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	21		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	31-Jan-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	21		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	23-May-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	17-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	28		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	12-Dec-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	23		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	21-Feb-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	15		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	1-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	LU	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	DUP	1-May-01	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	19-Sep-01	< 5	DU	< 5	DU	< 5	DU	< 5	DU	20	D	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
SPRING3	RTN	17-Dec-01	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU	38	D	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU
SPRING3	DUP	17-Dec-01	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	27		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	25-Mar-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	30	B	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	25-Mar-02	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	35	LO	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
SPRING3	RTN	20-Jun-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	37		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING3	RTN	25-Mar-03	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	U	45	O	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
SPRING3	RTN	4-Aug-03	< 0.5	U	0.52	J	0.93	JL			68	J	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	2-Feb-04	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	40	L	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	26-Jul-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	34		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING4	RTN	20-Apr-94	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING4	RTN	31-Oct-95	< 0.5	U					< 0.5	U	0.8		< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING4	RTN	29-Jan-96	< 0.5	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING4	RTN	21-Jun-96	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING4	RTN	17-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING4	RTN	18-Mar-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING4	RTN	1-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U
SPRING19	RTN	17-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U			< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloro-form mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-4C	103.5	BSS	6-Aug-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	112.5	BSS	6-Aug-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	122.8	BSS	6-Aug-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	130.8	BSS	6-Aug-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	140.	BSS	6-Aug-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	150.5	BSS	7-Aug-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	158.5	BSS	7-Aug-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0002	P	0.0002	P
W-4C	172.	BSS	7-Aug-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	106.6	BSS	21-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0002	P	0.005	P
W-814-04	122.	BSS	21-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0002	P	0.0041	P
W-814-04	126.5	BSS	21-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0022	P
W-814-04	137.8	BSS	27-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0002	P
W-814-04	146.5	BSS	27-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0002	P	0.0002	P
W-814-04	156.3	BSS	27-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0002	P	0.0002	P
W-814-04	166.5	BSS	27-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0003	P	0.0002	P
W-814-04	175.4	BSS	27-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0002	P
W-814-04	193.4	BSS	28-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0006	P	0.0003	P
W-814-04	202.4	BSS	28-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0005	P	< 0.0002	P
W-814-04	208.	BSS	28-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0005	P	< 0.0002	P
W-814-04	218.9	BSS	28-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0006	P	< 0.0002	P
W-814-04	228.6	BSS	28-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0005	P	< 0.0002	P
W-814-04	237.3	BSS	28-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0004	P	< 0.0002	P
W-814-04	248.4	BSS	28-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0005	P	< 0.0002	P
W-814-04	255.	BSS	29-Nov-90	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0005	P	< 0.0002	P
830-01	3.3	BSS	17-Aug-83									2.6	P														
830-01	15.6	BSS	17-Aug-83									< 0.03	P														
830-01	26.5	BSS	17-Aug-83									6.3	P														
830-01	31.5	BSS	17-Aug-83									0.3	P														
830-01	40.8	BSS	17-Aug-83									< 0.03	P														
830-01	46.1	BSS	17-Aug-83									0.07	P														
830-02	1.1	BSS	26-Sep-83									< 0.06	P														
830-02	2.5	BSS	23-Sep-83									< 0.06	P														
830-02	3.5	BSS	23-Sep-83									< 0.06	P														
830-03	11.1	BSS	15-Oct-85	< 0.0002	P							< 0.0002	P	0.41	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-03	30.5	BSS	16-Oct-85	< 0.0002	P							< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-03	51.	BSS	23-Oct-85	< 0.0002	P							< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-04	15.6	BSS	2-Oct-85	< 0.0002	P							< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-04	45.2	BSS	3-Oct-85	< 0.0002	P							< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-04	55.	BSS	4-Oct-85	< 0.0002	P							< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-06	6.	BSS	28-Oct-85	< 0.0002	P							< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-06	10.	BSS	28-Oct-85	< 0.0002	P							< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-08	5.	BSS	28-Oct-85	< 0.0002	P							< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-23	1.5	BUD	30-Nov-94	< 0.0005	U							< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	5.3	BUD	30-Nov-94	< 0.0005	U							0.023	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U
830-23	10.3	BUD	30-Nov-94	< 0.0005	U							0.061	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U
830-23	16.3	BUD	30-Nov-94	< 0.0005	U							0.069	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U
830-23	25.8	BUD	1-Dec-94	< 0.0005	U							0.033		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.001	U
830-23	25.8	DUP	1-Dec-94	< 0.005	U									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
830-23	31.	BUD	1-Dec-94	< 0.0005	U							0.003		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.001	U
830-23	37.	BUD	1-Dec-94	< 0.0005	U							< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.001	U
830-23	37.	DUP	1-Dec-94	< 0.0005	U							< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.001	U
830-23	40.5	DUP	1-Dec-94	< 0.0005	U							< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.001	U
830-23	40.5	BUD	1-Dec-94	< 0.0005	U							< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.001	U
830-23	45.5	BUD	1-Dec-94	< 0.0005	U							< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.001	U
830-23	50.	BUD	1-Dec-94	< 0.0005	U							< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.001	U
830-23	55.5	BUD	1-Dec-94	< 0.0005	U							< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	1.5	BUD	5-Dec-94	< 0.0005	U							< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	5.8	BUD	5-Dec-94	< 0.0005	U							< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	10.3	BUD	5-Dec-94	< 0.0005	U							0.0017		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	15.3	BUD	5-Dec-94	< 0.0005	U							0.024		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloroform mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
830-24	20.5	BUD	6-Dec-94	< 0.0005	U					< 0.0005	U	0.033	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	20.5	DUP	6-Dec-94	< 0.005	U					< 0.005	U	0.11	L	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
830-24	25.8	BUD	6-Dec-94	< 0.0005	U					< 0.0005	U	0.086	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	30.8	BUD	6-Dec-94	< 0.0005	U					< 0.0005	U	0.17	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	35.3	BUD	6-Dec-94	< 0.0005	U					< 0.0005	U	0.032	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	40.	BUD	6-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	45.5	BUD	7-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	50.	BUD	7-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	50.	DUP	7-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	55.3	BUD	7-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U
830-36	6.	BUD	24-Sep-96	< 0.0004	U	< 0.0004	U					0.0043		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-36	12.	BUD	24-Sep-96	< 0.0004	U	< 0.0004	U					0.0675		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-37	6.	BUD	24-Sep-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-38	6.	BUD	24-Sep-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-39	6.	BUD	24-Sep-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-41	6.	BUD	25-Sep-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-42	6.	BUD	25-Sep-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-43	6.	BUD	25-Sep-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-44	6.	BUD	1-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-45	6.	BUD	1-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-46	6.	BUD	1-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-47	6.	BUD	1-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-48	6.	BUD	3-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-48	12.	DUP	3-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-48	12.	BUD	3-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-48	18.	BUD	3-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-48	26.	BUD	3-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-48	35.	BUD	3-Oct-96	< 0.0004	U	< 0.0004	U					0.0049		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
W-830-05	24.9	BSS	8-Oct-85	< 0.0002	P					< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P			< 0.0002	P		
W-830-05	40.	BSS	10-Oct-85	< 0.0002	P					< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P			< 0.0002	P		
W-830-07	4.5	BSS	28-Oct-85	< 0.0002	P					< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P			< 0.0002	P		
W-830-07	10.	BSS	28-Oct-85	< 0.0002	P					< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P			< 0.0002	P		
W-830-10	5.3	BSS	20-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	11.	BSS	20-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	15.5	BSS	20-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	20.5	BSS	20-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	25.3	BSS	20-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	30.5	BSS	20-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	33.8	BSS	20-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	36.7	BSS	20-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	38.8	BSS	20-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	46.7	BSS	25-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	51.5	BSS	25-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	55.3	BSS	25-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0045	P	0.0003	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0002	P
W-830-10	60.2	BSS	26-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0002	P
W-830-10	68.5	BSS	26-Feb-92	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0021	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0002	P
W-830-12	1.2	BUD	30-Aug-94	< 0.0005	U					< 0.0005	U	0.012		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	6.3	BUD	30-Aug-94	< 0.0005	U					< 0.0005	U	0.016		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	10.5	BUD	30-Aug-94	< 0.0005	U					< 0.0005	U	0.014		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	15.3	BUD	30-Aug-94	< 0.0005	U					< 0.0005	U	0.013		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	15.3	DUP	30-Aug-94	< 0.005	U					< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	U		
W-830-12	20.	BUD	30-Aug-94	< 0.0005	U					< 0.0005	U	0.036	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	43.	BUD	31-Aug-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	46.7	BUD	31-Aug-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	49.	BUD	31-Aug-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	55.	BUD	31-Aug-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	63.6	BUD	1-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	70.1	BUD	1-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	72.2	BUD	1-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	81.	BUD	1-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg RESULT	FLAG	cis-1,2-DCE mg/kg RESULT	FLAG	trans-1,2-DCE mg/kg RESULT	FLAG	Total 1,2-DCE mg/kg RESULT	FLAG	TCE mg/kg RESULT	FLAG	PCE mg/kg RESULT	FLAG	1,1-DCA mg/kg RESULT	FLAG	1,2-DCA mg/kg RESULT	FLAG	1,1,1-TCA mg/kg RESULT	FLAG	Chloroform mg/kg RESULT	FLAG	Freon 11 mg/kg RESULT	FLAG	Freon 113 mg/kg RESULT	FLAG	Methylene chloride mg/kg RESULT	FLAG
W-830-12	89.6	BUD	1-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	93.4	BUD	1-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	97.5	DUP	6-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	97.5	BUD	6-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	104.	BUD	6-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	106.6	BUD	6-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	114.2	BUD	6-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	124.2	BUD	6-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	128.	BUD	6-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	133.2	BUD	6-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	145.	BUD	27-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	151.	BUD	27-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	161.	BUD	27-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	171.	BUD	27-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	181.	BUD	28-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	191.	BUD	28-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	201.	BUD	28-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	0.	BUD	8-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	0.	DUP	8-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	13.7	BUD	8-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	16.6	BUD	8-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	21.3	BUD	8-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	26.6	BUD	9-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	32.	BUD	9-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	37.2	BUD	9-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	41.5	BUD	10-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	47.3	BUD	10-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	51.9	BUD	10-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	55.8	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U
W-830-14	55.8	DUP	28-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	60.1	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	60.1	DUP	28-Nov-94	< 0.005	U					< 0.005	U	< 0.005	OU	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	U
W-830-14	64.5	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	72.6	BUD	29-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	74.6	BUD	29-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	80.2	BUD	1-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.0005	U
W-830-14	85.6	BUD	1-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	89.6	BUD	1-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.001	U
W-830-14	95.2	BUD	1-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.001	U
W-830-14	101.4	BUD	1-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.001	U
W-830-14	105.4	BUD	1-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.001	U
W-830-14	111.8	BUD	1-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.001	U
W-830-14	115.4	BUD	5-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	120.	BUD	5-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	5.9	BUD	8-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	126.7	BUD	14-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	135.8	BUD	14-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	146.5	BUD	14-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	156.	BUD	15-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	167.9	BUD	15-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	177.5	BUD	15-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	177.5	DUP	14-Dec-94	< 0.005	U					< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-830-15	185.	BUD	15-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	203.	BUD	15-Dec-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	1.	BUD	3-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0014	
W-830-16	1.3	BUD	3-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00079	
W-830-16	4.5	BUD	3-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	10.3	BUD	3-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	20.	BUD	3-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	30.	BUD	3-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00057	

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg RESULT	FLAG	cis-1,2-DCE mg/kg RESULT	FLAG	trans-1,2-DCE mg/kg RESULT	FLAG	Total 1,2-DCE mg/kg RESULT	FLAG	TCE mg/kg RESULT	FLAG	PCE mg/kg RESULT	FLAG	1,1-DCA mg/kg RESULT	FLAG	1,2-DCA mg/kg RESULT	FLAG	1,1,1-TCA mg/kg RESULT	FLAG	Chloroform mg/kg RESULT	FLAG	Freon 11 mg/kg RESULT	FLAG	Freon 113 mg/kg RESULT	FLAG	Methylene chloride mg/kg RESULT	FLAG
W-830-16	40.	BUD	4-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	51.7	BUD	4-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	0.	BUD	3-Apr-96	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	5.5	BUD	3-Apr-96	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	10.3	BUD	3-Apr-96	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	17.3	BUD	3-Apr-96	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00055	S
W-830-18	52.2	BUD	4-Apr-96	< 0.0005	U					< 0.0005	U	0.00061		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00052	S
W-830-18	70.6	BUD	4-Apr-96	< 0.0005	U					< 0.0005	U	0.00084		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00061	S
W-830-18	101.7	BUD	10-Apr-96	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00053	S
W-830-18	113.8	BUD	10-Apr-96	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	123.5	BUD	10-Apr-96	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	136.5	DUP	10-Apr-96	< 0.0004	U					< 0.0009	U	< 0.00037	U	< 0.0009	U	< 0.0006	U	< 0.0005	U	< 0.0006	U	< 0.0007	U	< 0.0005	U			< 0.00054	U
W-830-18	136.5	BUD	10-Apr-96	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	147.	BUD	11-Apr-96	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	155.2	BUD	11-Apr-96	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0013	B
W-830-18	165.5	BUD	11-Apr-96	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0012	B
W-830-19	5.5	BUD	3-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0027	IJS
W-830-19	10.5	BUD	3-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0039	S
W-830-19	16.8	BUD	3-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0021	S
W-830-19	22.4	BUD	4-Jun-96	< 0.0005	UO	< 0.0005	U	< 0.0005	U			< 0.0005	UO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0027	B
W-830-19	27.	BUD	5-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0016		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0034	S
W-830-19	34.	BUD	5-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0094		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.003	S
W-830-19	37.2	BUD	5-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.049	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0031	S
W-830-19	40.3	BUD	6-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.039	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00094	B
W-830-19	40.8	DUP	6-Jun-96	< 0.0004	U	< 0.0005	U	< 0.0005	U			0.015		< 0.0009	U	< 0.0006	U	< 0.0005	U	< 0.0006	U	< 0.0007	U	< 0.0005	U	< 0.0005	U	0.0021	B
W-830-20	0.	BUD	13-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0024	S
W-830-20	7.5	BUD	13-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.002	S
W-830-20	18.	BUD	13-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0018	S
W-830-20	24.3	BUD	13-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0021	S
W-830-20	38.	BUD	17-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	50.2	BUD	18-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	ULO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0013	S
W-830-20	58.3	BUD	18-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	ULO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015	S
W-830-20	68.1	BUD	18-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.00091	LO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0013	S
W-830-20	78.8	BUD	24-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0016	B
W-830-20	83.2	BUD	24-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0016	B
W-830-20	88.8	BUD	26-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0016		0.0022	B
W-830-20	93.2	BUD	26-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0023	B
W-830-20	99.1	BUD	26-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0033	B
W-830-20	104.3	BUD	26-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0025	B
W-830-20	108.9	BUD	26-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0028	B
W-830-20	113.	BUD	26-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0028	B
W-830-20	120.8	BUD	26-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	124.	BUD	26-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0029	B
W-830-20	128.9	BUD	26-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0027	B
W-830-20	134.	BUD	26-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0048	B
W-830-22	36.7	BUD	15-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0031	LO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	37.	BUD	15-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.01		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	40.6	BUD	15-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.17	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	40.9	BUD	15-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.037	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	45.5	BUD	15-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	45.8	BUD	15-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	50.6	BUD	15-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	55.3	BUD	18-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00057	B
W-830-22	60.	BUD	18-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.001		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	65.1	BUD	18-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00058	
W-830-22	71.5	BUD	18-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	75.2	BUD	22-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0019	B
W-830-22	80.7	DUP	22-Jul-96	< 0.0004	U	< 0.0005	U	< 0.0005	U			< 0.00037	U	< 0.0009	U	< 0.0006	U	< 0.0005	U	< 0.0006	U	< 0.0007	U	< 0.0005	U	< 0.0005	U	0.0011	B
W-830-22	80.7	BUD	22-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0016	B
W-830-22	85.	BUD	22-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015	B

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloroform mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-22	90.3	BUD	22-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015	B
W-830-22	95.	BUD	22-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0013	B
W-830-22	99.7	BUD	22-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0012	B
W-830-22	103.3	BUD	22-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0013	B
W-830-22	111.	BUD	22-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0011	B
W-830-22	117.	BUD	22-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0013	B
W-830-25	0.	BUD	6-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0017	S
W-830-25	5.9	BUD	6-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-25	10.	BUD	6-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-25	15.	BUD	6-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0017	B
W-830-25	21.1	BUD	6-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.011	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0012	B
W-830-26	5.7	BUD	30-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0012		0.0035	B
W-830-26	12.3	BUD	30-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015		0.0041	B
W-830-26	16.5	BUD	30-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0012		0.0037	B
W-830-26	19.	BUD	30-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0012		0.0034	B
W-830-26	24.3	BUD	30-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.00081		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0011		0.0035	B
W-830-26	30.3	BUD	30-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0024		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0009		0.003	B
W-830-26	34.8	BUD	30-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0062		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0006		0.0025	B
W-830-26	42.	BUD	31-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.018		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0011		0.0028	B
W-830-26	44.5	BUD	31-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.045		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0008		0.0023	B
W-830-26	52.5	BUD	31-Jul-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0048		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0007		0.0021	B
W-830-26	56.2	BUD	7-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	61.7	BUD	7-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	65.7	BUD	7-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0032		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	72.	BUD	12-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015	B
W-830-26	75.5	BUD	12-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0019	B
W-830-26	81.5	BUD	12-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015	B
W-830-26	87.3	BUD	13-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0013	B
W-830-26	91.7	BUD	13-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015	B
W-830-26	95.	BUD	13-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0018	B
W-830-27	21.5	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0012		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00074	S
W-830-27	28.2	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0042		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00057	S
W-830-27	28.5	DUP	20-Aug-96	< 0.0004	U	< 0.0005	U	< 0.0005	U			< 0.00037	U	< 0.0009	U	< 0.0006	U	< 0.0005	U	< 0.0006	U	< 0.0007	U	< 0.0005	U	< 0.0005	U	0.0008	B
W-830-27	34.	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.021		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00072	S
W-830-27	37.5	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.04		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00072	S
W-830-28	45.2	BUD	5-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0027	B
W-830-28	50.3	BUD	5-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0035	B
W-830-28	53.8	BUD	5-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0023		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0028	B
W-830-28	59.7	BUD	5-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.005	B
W-830-28	65.	BUD	5-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0069	B
W-830-28	69.8	BUD	5-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0032	B
W-830-28	73.3	BUD	5-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	79.6	BUD	5-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0032	B
W-830-28	85.2	BUD	9-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00085	B
W-830-28	87.2	BUD	9-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.001	B
W-830-28	87.5	DUP	9-Sep-96	< 0.0004	U	< 0.0005	U	< 0.0005	U			< 0.00037	U	< 0.0009	U	< 0.0006	U	< 0.0005	U	< 0.0006	U	< 0.0007	U	< 0.0005	U	< 0.0005	U	0.0007	B
W-830-28	92.8	BUD	9-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00082	B
W-830-28	97.2	BUD	9-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00098	B
W-830-28	97.5	DUP	9-Sep-96	< 0.0004	U	< 0.0005	U	< 0.0005	U			< 0.00037	U	< 0.0009	U	< 0.0006	U	< 0.0005	U	< 0.0006	U	< 0.0007	U	< 0.0005	U	< 0.0005	U	0.0008	B
W-830-28	104.5	BUD	9-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00066	B
W-830-28	109.5	BUD	9-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00073	B
W-830-28	111.3	BUD	9-Sep-96	< 0.0005	IUJ	< 0.0005	IUJ	< 0.0005	IUJ			< 0.0005	IUJ	< 0.0005	IUJ	< 0.0005	IUJ	< 0.0005	IUJ	< 0.0005	IUJ	< 0.0005	IUJ	< 0.0005	IUJ	< 0.0005	IUJ	0.0021	BIJ
W-830-29	9.7	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00067	B
W-830-29	22.	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00061	B
W-830-29	26.3	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00057	B
W-830-29	29.7	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0006	B
W-830-29	35.	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0018		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00051	B
W-830-29	39.2	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0073		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00054	B
W-830-29	45.5	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.001		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00061	B
W-830-29	50.5	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0009		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00065	B

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloroform mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-29	52.5	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00077	B
W-830-29	54.	BUD	20-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00094	B
W-830-29	104.9	BUD	30-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	111.3	BUD	30-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	116.	BUD	31-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	121.1	BUD	31-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	124.7	BUD	31-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	130.	BUD	31-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	134.6	DUP	31-Oct-96	< 0.0004	U	< 0.0005	U	< 0.0005	U			< 0.00037	U	< 0.0009	U	< 0.0006	U	< 0.0005	U	< 0.0006	U	< 0.0007	U	< 0.0005	U	< 0.0005	U	0.0006	B
W-830-29	134.6	BUD	31-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	139.8	BUD	31-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	145.4	BUD	31-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	149.4	BUD	31-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	153.8	BUD	31-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	164.5	BUD	31-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-30	6.	BUD	17-Sep-96	< 0.0004	U	< 0.0004	U					0.0012		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
W-830-30	12.	BUD	17-Sep-96	< 0.0004	U	< 0.0004	U					0.1085		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
W-830-30	18.	BUD	17-Sep-96	< 0.0004	U	< 0.0004	U					0.1071		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
W-830-30	26.	BUD	17-Sep-96	< 0.0004	U	< 0.0004	U					0.0713		< 0.0004	U			< 0.0004	U			< 0.0004	U			< 0.0004	U		
W-830-34	6.	BUD	19-Sep-96	< 0.0004	U	< 0.0004	U					0.0007		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
W-830-34	12.	BUD	19-Sep-96	< 0.0004	U	< 0.0004	U					0.0073		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
W-830-34	18.	BUD	20-Sep-96	< 0.0004	U	< 0.0004	U					0.0248		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
W-830-34	26.	BUD	20-Sep-96	< 0.0004	U	< 0.0004	U					0.0008		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
W-830-49	4.6	BUD	27-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0012	
W-830-49	8.2	BUD	27-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015	
W-830-49	13.	BUD	28-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0016		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0014	
W-830-49	18.	BUD	28-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0021		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0021	
W-830-49	26.4	BUD	28-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0077		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0022	
W-830-49	31.8	BUD	28-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.016		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0022	
W-830-49	36.8	BUD	28-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.077	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015	
W-830-49	41.5	BUD	28-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0085		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0011	
W-830-49	43.4	BUD	28-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0014	
W-830-50	5.	BUD	11-Feb-99	< 0.0005	UO	< 0.0005	U	< 0.0005	U			< 0.0005	UO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00059	B
W-830-50	10.	BUD	11-Feb-99	< 0.0005	UO	< 0.0005	U	< 0.0005	U			< 0.0005	UO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00095	B
W-830-50	25.	BUD	11-Feb-99	< 0.0005	UO	< 0.0005	U	< 0.0005	U			< 0.0005	UO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0011	B
W-830-50	30.6	BUD	17-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00089	
W-830-50	35.	BUD	17-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00062	
W-830-50	39.9	BUD	17-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	45.	BUD	17-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00084	
W-830-50	50.	BUD	17-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.001	
W-830-50	55.	BUD	17-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0006	
W-830-50	60.	BUD	18-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00055	
W-830-50	65.	BUD	18-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00052	
W-830-50	70.	BUD	18-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	74.6	BUD	18-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-51	5.	BUD	3-Mar-99	< 0.0005	UO	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0034	B
W-830-51	10.	BUD	3-Mar-99	< 0.0005	UO	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0057	B
W-830-51	15.	BUD	3-Mar-99	< 0.0005	UO	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0051	B
W-830-51	21.	BUD	4-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	0.0027	B
W-830-51	24.5	BUD	4-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	0.0038	B
W-830-51	30.	BUD	10-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	0.0022	B
W-830-51	35.	BUD	10-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	BU
W-830-51	40.2	BUD	10-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	0.0021	B
W-830-51	45.2	BUD	10-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	0.0022	B
W-830-51	49.9	BUD	10-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	0.0024	B
W-830-51	52.3	BUD	10-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	0.0021	B
W-830-51	60.2	BUD	10-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	0.0028	B
W-830-52	5.	BUD	17-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U
W-830-52	8.7	BUD	17-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U
W-830-52	14.1	BUD	17-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloroform mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-52	17.	BUD	17-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U
W-830-52	22.4	BUD	17-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U
W-830-52	27.	BUD	17-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U
W-830-52	30.	BUD	22-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U
W-830-52	35.2	BUD	22-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U
W-830-52	40.	BUD	22-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U
W-830-52	45.	BUD	22-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U
W-830-52	50.	BUD	22-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U
W-830-52	54.7	BUD	22-Mar-99	< 0.0016	U	< 0.001	U	< 0.001	U			< 0.00116	U	< 0.00149	U	< 0.00119	U	< 0.0015	U	< 0.0011	U	< 0.00074	U	< 0.00139	U	< 0.0014	U	< 0.00056	U
W-830-53	7.7	BUD	19-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	UL	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			< 0.00025	U
W-830-53	10.	BUD	19-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	UL	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			< 0.00025	U
W-830-53	19.	BUD	19-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	UL	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			< 0.00025	U
W-830-53	24.	BUD	19-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	UL	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			< 0.00025	U
W-830-53	28.5	DUP	21-Apr-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-53	42.	BUD	22-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0056	
W-830-53	53.	BUD	22-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0064	
W-830-53	57.5	BUD	22-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0078	
W-830-53	65.	BUD	22-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0084	
W-830-53	70.	BUD	22-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.001	
W-830-53	75.	BUD	22-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.00099	
W-830-53	80.	BUD	22-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0016	
W-830-53	85.	BUD	22-Apr-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.00099	
W-830-54	5.	BUD	3-May-99	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	UL	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U			< 0.01	BUE
W-830-54	10.	BUD	3-May-99	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	UL	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U			< 0.01	BUE
W-830-54	15.	BUD	3-May-99	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	UL	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U			< 0.01	BUE
W-830-54	20.	BUD	3-May-99	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	UL	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U			< 0.01	BUE
W-830-54	40.	BUD	5-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	LU	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0035	BE
W-830-54	45.	BUD	5-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	LU	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0028	BE
W-830-54	50.	BUD	5-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	LU	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0032	BE
W-830-54	55.	BUD	5-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	LU	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.003	B
W-830-54	65.	BUD	5-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	LU	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0036	BE
W-830-54	70.	BUD	6-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0031	B
W-830-54	75.	BUD	6-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0027	B
W-830-54	75.	DUP	6-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	UL0	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-54	85.	BUD	6-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.003	B
W-830-54	90.	BUD	6-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0027	B
W-830-54	95.	BUD	6-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0032	B
W-830-54	100.	BUD	6-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.003	B
W-830-54	105.	BUD	6-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0031	B
W-830-55	5.	BUD	18-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			< 0.00025	U
W-830-55	10.	BUD	18-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			< 0.00025	U
W-830-55	15.	BUD	18-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			< 0.00025	U
W-830-55	20.	BUD	18-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			< 0.00025	U
W-830-55	25.	BUD	18-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			< 0.00025	U
W-830-55	30.	BUD	18-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.001	
W-830-55	35.	BUD	18-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.001	
W-830-55	40.	BUD	18-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0011	
W-830-55	45.	BUD	19-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0017	
W-830-55	50.	BUD	19-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0018	
W-830-55	55.	BUD	19-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.003	
W-830-55	60.	BUD	19-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.004	
W-830-55	60.	DUP	19-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	65.	BUD	19-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.004	
W-830-55	70.	BUD	19-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0028	
W-830-55	75.	BUD	19-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0033	
W-830-55	80.	BUD	19-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0034	
W-830-55	85.	BUD	19-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0033	
W-830-55	90.	BUD	19-May-99	< 0.00015	U	< 0.00031	U	< 0.0002	U			< 0.0003	U	< 0.00031	U	< 0.00017	U	< 0.0003	U	< 0.0002	U	< 0.0003	U	< 0.00022	U			0.0035	
W-830-55	95.	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U
W-830-55	100.	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloroform mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-55	105.	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0034	
W-830-55	110.	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0037	
W-830-55	115.	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0032	
W-830-55	120.	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0038	
W-830-55	125.	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0034	
W-830-55	130.	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0038	
W-830-55	135.	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.0005	U
W-830-55	140.	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.0005	U
W-830-55	140.	DUP	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	145.	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.0005	U
W-830-55	150.	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.0005	U
W-830-55	155.	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.0005	U
W-830-55	160.	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.0005	U
W-830-55	165.	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.0005	U
W-830-55	170.	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.0005	U
W-830-55	175.	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.0005	U
W-830-56	10.	BUD	3-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0022	B
W-830-56	15.	BUD	3-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0017	B
W-830-56	20.	BUD	3-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.00096	B
W-830-56	25.	BUD	3-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0011	B
W-830-56	30.	BUD	3-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0024	B
W-830-56	35.	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0037	B
W-830-56	40.	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.004	B
W-830-56	45.	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.002	B
W-830-56	50.	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.002	B
W-830-56	55.	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.002	B
W-830-56	60.	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0022	B
W-830-56	65.	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0026	B
W-830-56	70.	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0024	B
W-830-56	75.	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0023	B
W-830-56	80.	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0024	B
W-830-56	80.	DUP	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	85.	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.00099	B
W-830-56	90.	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0028	B
W-830-56	95.	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0028	B
W-830-56	100.	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0028	B
W-830-56	105.	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0026	B
W-830-56	110.	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.003	B
W-830-56	110.	DUP	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	115.	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	UL	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0011	B
W-830-57	30.	BUD	15-Nov-99	< 0.0005	U			< 0.0005	U	< 0.0005	U					< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	35.	BUD	15-Nov-99	< 0.0005	U			< 0.0005	U	< 0.0005	U					< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	40.	BUD	15-Nov-99	< 0.0005	U			< 0.0005	U	< 0.0005	U					< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	44.5	BUD	15-Nov-99	< 0.0005	U			< 0.0005	U	< 0.0005	U					< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	50.	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	55.	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	60.	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	65.	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	70.	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	75.	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	79.5	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-58	5.	BUD	2-Dec-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-58	10.	BUD	2-Dec-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-58	15.	BUD	2-Dec-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-58	20.	BUD	2-Dec-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0058		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	5.	BUD	1-Mar-00	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	10.5	BUD	1-Mar-00	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	15.5	BUD	1-Mar-00	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	20.6	BUD	1-Mar-00	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	25.5	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloroform mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-59	30.	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	35.	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	40.	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	45.	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	50.	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	55.	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	60.7	DUP	6-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0069		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0016	
W-830-59	60.7	BUD	6-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0038		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	5.	BUD	23-Feb-00	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU
W-830-60	10.	BUD	23-Feb-00	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU
W-830-60	30.	BUD	24-Feb-00	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU
W-830-60	35.	BUD	24-Feb-00	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU
W-830-60	40.	BUD	24-Feb-00	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU
W-830-60	50.	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	55.	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	60.	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	65.	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	70.	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	75.	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	79.5	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	90.5	BUD	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	96.	BUD	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	101.	DUP	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0028	
W-830-60	101.	BUD	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	105.	BUD	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	110.	BUD	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	119.4	DUP	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	0.0041	
B-830-1730	20.	BUD	15-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1730	25.	BUD	15-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1730	30.	BUD	15-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1730	35.	BUD	15-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1730	40.	BUD	19-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0023	
B-830-1730	45.	BUD	19-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.099	
B-830-1730	50.	BUD	23-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0033	
B-830-1730	55.	BUD	23-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0028	
B-830-1730	60.	BUD	23-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.003	
B-830-1730	65.	BUD	23-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0033	
B-830-1730	70.	BUD	23-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0033	
B-830-1730	75.	BUD	23-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0028	
B-830-1730	80.	BUD	23-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0025	
B-830-1730	85.	BUD	24-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1730	90.	BUD	24-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1730	95.	BUD	24-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1730	100.	BUD	25-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1730	105.	BUD	25-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1730	110.	BUD	25-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0022	
B-830-1730	115.	BUD	25-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0022	
B-830-1730	120.	BUD	25-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1730	125.	BUD	25-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1730	130.	BUD	26-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0026	
B-830-1730	135.	BUD	26-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0028	
B-830-1730	140.	BUD	26-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0023	
B-830-1730	145.	BUD	26-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0021	
B-830-1730	150.	BUD	26-Oct-01	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	U	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0023	
B-830-1807	4.5	BUD	6-Aug-02	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	LUDE	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0098	UDE
B-830-1807	10.	BUD	6-Aug-02	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	0.0036	LD	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.01	UDE
B-830-1807	14.2	BUD	7-Aug-02	< 0.00047	U	< 0.00047	U	< 0.0005	U	< 0.00047	U	0.025	L	< 0.00047	U	< 0.00047	U	< 0.0005	U	< 0.0005	U	< 0.00047	U	< 0.00047	U	< 0.0005	U	< 0.0019	U
B-830-1807	15.	BUD	7-Aug-02	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	0.013	LD	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.01	DU
B-830-1807	16.	BUD	7-Aug-02	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	0.017	LD	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.009	DU

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloro-form mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
B-830-1807	17.	BUD	7-Aug-02	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	0.052	LD	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.01	UDE
B-830-1807	18.	BUD	7-Aug-02	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	0.0037	LD	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0093	UDE
B-830-1807	21.5	BUD	7-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	LUDE	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0095	UDE
B-830-1807	22.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	0.18	L	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.1	U	< 0.025	U	< 0.025	U
B-830-1807	23.5	BUD	7-Aug-02	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	0.053	LD	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.009	UDE
B-830-1807	24.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	0.22	L	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.1	U	< 0.025	U	< 0.025	U
B-830-1807	25.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	0.13	L	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.1	U	< 0.025	U	< 0.025	U
B-830-1807	26.5	BUD	7-Aug-02	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	0.026	LD	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.01	DU
B-830-1807	27.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	0.33	L	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.1	U	< 0.025	U	< 0.025	U
B-830-1807	28.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	0.31	L	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.1	U	< 0.025	U	< 0.025	U
B-830-1807	29.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	0.66	L	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.1	U	< 0.025	U	< 0.025	U
B-830-1807	30.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	0.11	L	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.1	U	< 0.025	U	< 0.025	U
B-830-1807	31.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	0.11	L	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.1	U	< 0.025	U	< 0.025	U
B-830-1807	32.	BUD	7-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	0.012	LD	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0097	DU
B-830-1807	33.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	0.03	L	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.1	U	< 0.025	U	< 0.025	U
B-830-1807	34.5	BUD	7-Aug-02	< 0.0015	DU	< 0.0015	UDE	< 0.0015	DU	< 0.0015	DU	0.042	LD	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0061	UDE
B-830-1807	35.5	BUD	7-Aug-02	< 0.0021	DU	< 0.0021	UDE	< 0.0021	DU	< 0.0021	DU	0.043	LD	< 0.0021	UDE	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0083	UDE
B-830-1807	36.5	BUD	7-Aug-02	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	LUDE	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0093	UDE
B-830-1807	37.5	BUD	7-Aug-02	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	LUDE	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0092	UDE
B-830-1807	38.5	BUD	7-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	LUDE	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0097	UDE
B-830-1807	39.5	BUD	7-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	LUDE	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0097	UDE
B-830-1829	1.3	BUD	19-Aug-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.0081	DU
B-830-1829	5.	BUD	19-Aug-02	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0088	DU
B-830-1829	10.	BUD	19-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0094	DU
B-830-1829	15.	BUD	19-Aug-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	UDE	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.0082	DU
B-830-1829	20.	BUD	19-Aug-02	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0083	DU
B-830-1829	25.	BUD	19-Aug-02	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.009	DU
B-830-1829	30.	BUD	19-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0098	DU
B-830-1829	35.	BUD	20-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	UDE	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0095	DU
B-830-1829	40.	BUD	20-Aug-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	0.021	D	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.008	DU
B-830-1829	45.	BUD	20-Aug-02	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	0.053	D	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0069	DU
B-830-1829	50.	BUD	20-Aug-02	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0093	DU
B-830-1829	55.	BUD	20-Aug-02	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0072	DU
B-830-1829	60.	BUD	20-Aug-02	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0065	DU
B-830-1829	65.	BUD	20-Aug-02	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0073	DU
B-830-1829	69.5	BUD	20-Aug-02	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	UDE	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.006	DU
B-830-1830	1.	BUD	28-Aug-02	< 0.0021	BDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	EBDU	< 0.0021	EDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	EDU	< 0.0021	DU	< 0.0083	DU
B-830-1830	6.5	BUD	28-Aug-02	< 0.0022	BDU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	EBDU	< 0.0022	EDU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0086	DU
B-830-1830	10.5	BUD	28-Aug-02	< 0.0016	BDU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	EBDU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0063	DU
B-830-1830	15.	BUD	28-Aug-02	< 0.0018	BDU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	EBDU	< 0.0018	EDU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0072	DU
B-830-1830	21.	BUD	28-Aug-02	< 0.0021	BDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	EBDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0085	DU
B-830-1830	25.	BUD	28-Aug-02	< 0.0015	BDU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	EBDU	< 0.0015	EDU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0061	DU
B-830-1830	30.	BUD	28-Aug-02	< 0.002	BDU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	BDU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.0079	DU
B-830-1830	35.	BUD	29-Aug-02	< 0.0011	DU	< 0.0011	DU	< 0.0011	DU	< 0.0011	DU	< 0.0011	DU	< 0.0011	EDU	< 0.0011	EDU	< 0.0011	DU	< 0.0011	DU	< 0.0011	DU	< 0.0011	DU	< 0.0011	DU	< 0.0045	DU
B-830-1830	40.	BUD	29-Aug-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	EDU	< 0.0019	EDU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0077	DU
B-830-1830	45.	BUD	29-Aug-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	EDU	< 0.0019	EDU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0075	DU
B-830-1830	50.	BUD	29-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0094	DU
B-830-1830	55.	BUD	29-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	EDU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0096	DU
B-830-1830	60.	BUD	29-Aug-02	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	EDU	< 0.0021	EDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0084	DU
B-830-1830	65.	BUD	29-Aug-02	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	EDU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0053	DU
B-830-1830	69.5	BUD	29-Aug-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	EDU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.0082	DU
B-830-1831	10.	BUD	10-Sep-02	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	EDU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.007	DU
B-830-1831	20.	BUD	10-Sep-02	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	EDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0083	DU
B-830-1831	30.	BUD	10-Sep-02	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	EDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0083	DU
B-830-1831	39.	BUD	10-Sep-02	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	EDU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0067	DU
B-830-1831	59.5	BUD	10-Sep-02	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	EDU	< 0.0014	EDU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0056	DU
B-830-1831	70.4	BUD	11-Sep-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	BDEU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.0081	DU
B-830-1831	80.2	BUD	11-Sep-02	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	BDEU	< 0.0014	EDU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0054	DU
B-830-1831	90.	BUD	11-Sep-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	BDEU	< 0.002	EDU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.0079	DU
B-830-1831	100.	BUD	11-Sep-02	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	BDEU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0066	DU

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloroform mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
B-830-1831	105.	BUD	11-Sep-02	< 0.00096	DU	< 0.00096	DU	< 0.001	DU	< 0.00096	DU	< 0.00096	DU	< 0.00096	BDEU	< 0.00096	DU	< 0.001	DU	< 0.001	DU	< 0.00096	DU	< 0.00096	DU	< 0.001	DU	< 0.0038	DU
B-830-1831	110.	BUD	11-Sep-02	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	BDEU	< 0.0017	EDU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0068	DU
B-830-1831	110.3	DUP	11-Sep-02	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	LU	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1831	115.	BUD	11-Sep-02	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	BDEU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0047	DU
B-830-1831	120.	BUD	12-Sep-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	LDU	< 0.0019	BDEU	< 0.0019	BDEU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0076	DU
B-830-1831	125.	BUD	12-Sep-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	LDU	< 0.0024	BDEU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0094	DU
B-830-1831	130.	BUD	12-Sep-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	LDU	< 0.0024	BDEU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0097	DU
B-830-1831	135.	BUD	12-Sep-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	LDU	< 0.0024	BDEU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0095	DU
B-830-1831	140.	BUD	12-Sep-02	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	LDU	< 0.0018	BDEU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0073	DU
B-830-1831	145.	BUD	12-Sep-02	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	LDU	< 0.0018	BDEU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0072	DU
B-830-1831	150.	BUD	12-Sep-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	LDU	< 0.0024	BDEU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0095	DU
B-830-1831	155.	BUD	12-Sep-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	LDU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0077	DU
B-830-1831	160.	BUD	12-Sep-02	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	LDU	< 0.0014	BDU	< 0.0014	BDU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0056	DU
B-830-1831	160.3	DUP	12-Sep-02	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	LU	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	< 0.002	U
B-830-1831	165.	BUD	16-Sep-02	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	LDU	< 0.0017	BDEU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	BDU	< 0.0017	DU	< 0.0067	DU
B-830-1831	170.	BUD	16-Sep-02	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	LDU	< 0.001	BDEU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	BDU	< 0.001	DU	< 0.0041	DU
B-830-1831	175.	BUD	16-Sep-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	LDU	< 0.0019	BDEU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	BDEU	< 0.0019	DU	< 0.0076	DU
B-830-1831	180.	BUD	16-Sep-02	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	LDU	< 0.0021	BDEU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	BDU	< 0.0021	DU	< 0.0085	DU
B-830-1831	185.	BUD	16-Sep-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	LDU	< 0.0019	BDEU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	BDU	< 0.0019	DU	< 0.0076	DU
B-830-1831	190.	BUD	16-Sep-02	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	LDU	< 0.0013	BDEU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	BDEU	< 0.0013	DU	< 0.0052	DU
B-830-1831	195.	BUD	16-Sep-02	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	LDU	< 0.0016	BDEU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	BDU	< 0.0016	DU	< 0.0065	DU
B-830-1831	199.7	BUD	16-Sep-02	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	LDU	< 0.0023	BDU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	BDU	< 0.0023	DU	< 0.0092	DU
B-830-1831	205.	BUD	18-Sep-02	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	LDU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0088	DU
B-830-1831	210.	BUD	18-Sep-02	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	LDU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0092	DU
B-830-1831	210.3	DUP	18-Sep-02	< 0.0008	U	< 0.00054	U	< 0.0007	U	< 0.0013	U	< 0.00061	LU	< 0.00061	U	< 0.00061	U	< 0.0005	U	< 0.0007	U	< 0.0005	U	< 0.00076	U	< 0.002	U	0.0028	F
B-830-1831	215.	BUD	18-Sep-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	LDU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DEU	< 0.0024	DU	< 0.0096	DU
B-830-1831	220.	BUD	18-Sep-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	LDU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0096	DU
B-830-1831	225.	BUD	18-Sep-02	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	LDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0083	DU
B-830-1831	230.	BUD	18-Sep-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	LDU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DEU	< 0.0019	DU	< 0.0075	DU
B-830-1831	235.	BUD	18-Sep-02	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	LDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0083	DU
B-830-1831	240.	BUD	18-Sep-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	LDU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.0081	DU
B-830-1831	245.	BUD	18-Sep-02	< 0.00094	DU	< 0.00094	DU	< 0.0009	DU	< 0.00094	DU	< 0.00094	LDU	< 0.00094	DU	< 0.00094	DU	< 0.0009	DU	< 0.0009	DU	< 0.00094	DU	< 0.00094	DU	< 0.0009	DU	< 0.0037	DU
B-830-1831	250.	BUD	18-Sep-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	LDU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0075	DU
B-830-1831	255.	BUD	18-Sep-02	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	LDU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0068	DU
B-830-1831	258.9	BUD	18-Sep-02	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	LDU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DEU	< 0.001	DU	< 0.0041	DU
B-830-1831	259.2	DUP	18-Sep-02	< 0.003	U	< 0.003	U	< 0.003	U	< 0.005	U	< 0.003	U	< 0.003	U	< 0.003	U	< 0.003	U	< 0.003	U	< 0.003	U	< 0.003	U	< 0.003	U	< 0.005	EFU
B-830-1832	200.	BUD	10-Oct-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DUELI	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0078	DU
B-830-1832	210.	BUD	10-Oct-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DUELI	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DEU	< 0.002	DU	< 0.0081	DU
B-830-1832	220.	BUD	10-Oct-02	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DLU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DEU	< 0.0022	DU	< 0.009	DU
B-830-1832	230.	BUD	10-Oct-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DULB	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0075	DU
B-830-1832	240.	BUD	10-Oct-02	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DUELI	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DEU	< 0.0018	DU	< 0.0071	DU
B-830-1832	250.	BUD	14-Oct-02	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DLU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0088	DU
B-830-1832	260.	BUD	14-Oct-02	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DLU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0099	DU
B-830-1832	270.	BUD	14-Oct-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DUELI	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0098	DU
B-830-1832	280.	BUD	14-Oct-02	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DUELI	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0086	DU
B-830-1832	290.	DUP	14-Oct-02	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.00069	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.002	U	< 0.002	U
B-830-1832	290.	BUD	14-Oct-02	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DLU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DEUB	< 0.0025	DU	< 0.01	DU
B-830-1832	300.	BUD	14-Oct-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DLU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DEUB	< 0.0024	DU	< 0.0096	DU
B-830-1832	310.	BUD	14-Oct-02	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DLU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0061	DU
B-830-1832	319.7	BUD	14-Oct-02	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DUELI	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0057	DU
SVI-830-031	6.	BUD	17-Sep-96	< 0.0004	U	< 0.0004	U					0.0183		< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U					< 0.0004	U		
SVI-830-031	12.	BUD	19-Sep-96	< 0.0004	U	< 0.0004	U					0.0139		< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U					< 0.0004	U		
SVI-830-031	18.	BUD	19-Sep-96	< 0.0004	U	< 0.0004	U					0.0473		< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U					< 0.0004	U		
SVI-830-031	26.	BUD	19-Sep-96	< 0.0004	U	< 0.0004	U					0.0695		< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U					< 0.0004	U		
SVI-830-032	6.	BUD	18-Sep-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U					< 0.0004	U		
SVI-830-032	12.	BUD	18-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00078	S
SVI-830-032	12.	BUD	18-Sep-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U					< 0.0004	U		
SVI-830-032	18.	BUD	18-Sep-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U					< 0.0004	U		
SVI-830-032	26.	BUD	18-Sep-96	< 0.0004	U	< 0.0004	U					0.0008		< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U					< 0.0004	U		
SVI-830-032	35.	BUD	18-Sep-96	< 0.0004	U	< 0.0004	U					0.0044		< 0.0004	U	< 0.0004	U	< 0.0004	U	< 0.0004	U					< 0.0004	U		

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloroform mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
SVI-830-033	6.	BUD	18-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.013		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
SVI-830-033	6.	BUD	18-Sep-96	< 0.0004	U	< 0.0004	U					0.0076		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
SVI-830-033	12.	BUD	19-Sep-96	< 0.0004	U	< 0.0004	U					0.0008		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
SVI-830-033	18.	BUD	19-Sep-96	< 0.0004	U	< 0.0004	U					0.0101		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
SVI-830-033	26.	BUD	19-Sep-96	< 0.0004	U	< 0.0004	U					0.0248		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
SVI-830-035	6.	BUD	20-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0014		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
SVI-830-035	6.	BUD	20-Sep-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
SVI-830-035	12.	BUD	20-Sep-96	< 0.0004	U	< 0.0004	U					0.0041		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
SVI-830-035	18.	BUD	20-Sep-96	< 0.0004	U	< 0.0004	U					0.0814		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
SVI-830-035	26.	BUD	20-Sep-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.62	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
SVI-830-035	26.	BUD	20-Sep-96	< 0.0004	U	< 0.0004	U					0.1532		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
832-02	1.5	BUD	26-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	5.5	BUD	26-Sep-94	< 0.0005	U					< 0.0005	U	0.0005		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	10.5	BUD	26-Sep-94	< 0.0005	U					< 0.0005	U	0.0047		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	15.8	BUD	27-Sep-94	< 0.0005	U					< 0.0005	U	0.019	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	20.5	BUD	27-Sep-94	< 0.0005	U					< 0.0005	U	0.022	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	25.5	BUD	27-Sep-94	< 0.0005	U					< 0.0005	U	0.0018		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	30.5	BUD	27-Sep-94	< 0.0005	U					< 0.0005	U	0.0011		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	35.3	BUD	27-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	35.3	DUP	27-Sep-94	< 0.005	U					< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
832-02	40.	BUD	27-Sep-94	< 0.0005	U					< 0.0005	U	0.0054		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	40.	DUP	27-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	45.5	BUD	28-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	50.5	BUD	28-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	1.8	BUD	4-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	5.5	BUD	4-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	10.5	BUD	4-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	15.5	BUD	4-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	20.3	BUD	4-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	25.	BUD	5-Oct-94	< 0.0005	U					< 0.0005	U	0.0068		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	30.	DUP	5-Oct-94	< 0.005	U					< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
832-03	30.5	BUD	5-Oct-94	< 0.0005	U					< 0.0005	U	0.0021		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	35.	BUD	5-Oct-94	< 0.0005	U					< 0.0005	U	0.0035		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	40.5	BUD	5-Oct-94	< 0.0005	U					< 0.0005	U	0.0017		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	46.	BUD	5-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	50.5	BUD	5-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	55.5	BUD	5-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	55.5	DUP	5-Oct-94	< 0.005	U					< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
832-04	1.5	BUD	6-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	5.5	BUD	6-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	10.8	BUD	6-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	15.5	BUD	6-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	20.5	BUD	7-Oct-94	< 0.0005	U					< 0.0005	U	0.0045		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	25.5	BUD	7-Oct-94	< 0.0005	U					< 0.0005	U	0.012	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	30.5	BUD	7-Oct-94	< 0.0005	U					< 0.0005	U	0.023		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	35.	BUD	7-Oct-94	< 0.0005	U					< 0.0005	U	0.00094		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	35.	DUP	7-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	40.	BUD	7-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	40.	DUP	7-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	45.5	BUD	7-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	50.	BUD	7-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	55.5	BUD	7-Oct-94	< 0.0005	U					< 0.0005	U	0.0028		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	1.3	BUD	28-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	5.8	BUD	28-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	11.5	BUD	28-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	15.5	BUD	29-Sep-94	< 0.0005	U					< 0.0005	U	0.0015		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	15.5	DUP	29-Sep-94	< 0.0005	U					< 0.0005	U	0.0096		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	20.5	BUD	29-Sep-94	< 0.0005	U					< 0.0005	U	0.0077		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	25.5	BUD	29-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	30.5	BUD	29-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloroform mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
832-07	35.	BUD	29-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	40.3	BUD	29-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	45.5	BUD	29-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	50.	BUD	29-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	55.	BUD	29-Sep-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	3.	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	5.3	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	10.3	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	0.00053		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	15.3	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	0.0097		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	20.	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	0.0021		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	20.	DUP	28-Nov-94	< 0.005	U					< 0.005	U	< 0.005	OU	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	U
832-08	25.	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	25.	DUP	28-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	30.5	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	35.	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	40.	BUD	28-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	40.	DUP	29-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	45.	BUD	29-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	50.	BUD	29-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	55.5	BUD	29-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-13	6.	BUD	9-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0046	B
832-13	11.	BUD	9-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.011		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-13	16.	BUD	9-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.029		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0052	B
832-13	21.	BUD	9-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0071		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-14	6.	BUD	9-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0041	B
832-14	11.	BUD	9-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.023		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0044	B
832-14	16.	BUD	9-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.029		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0039	B
832-14	21.	BUD	9-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0012		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0045	B
832-15	6.	BUD	12-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	UO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0032	B
832-15	11.	BUD	12-Aug-96	< 0.0004	U	< 0.0005	U	< 0.0005	U			< 0.00037	U	< 0.0009	U	< 0.0006	U	< 0.0005	U	< 0.0006	U	< 0.0007	U	< 0.0005	U	< 0.0005	U	0.0009	B
832-15	11.	BUD	12-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	UO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0028	B
832-15	16.	BUD	12-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	UO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0023	B
832-15	21.	BUD	12-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0083	O	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0038	B
832-16	6.	BUD	12-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	UO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0028	B
832-16	11.	BUD	12-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0014	O	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0027	B
832-16	16.	BUD	12-Aug-96	< 0.0004	U	< 0.0005	U	< 0.0005	U			< 0.00037	U	< 0.0009	U	< 0.0006	U	< 0.0005	U	< 0.0006	U	< 0.0007	U	< 0.0005	U	< 0.0005	U	0.001	B
832-16	16.	BUD	12-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0022	O	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0028	B
832-16	21.	BUD	12-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0015	O	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0026	B
832-17	6.	BUD	2-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
832-17	12.	BUD	2-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
832-18	6.	BUD	2-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
832-19	6.	BUD	2-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
832-21	6.	BUD	3-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
832-21	12.	BUD	3-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
832-21	18.	BUD	3-Oct-96	< 0.0004	U	< 0.0004	U					< 0.0004	U	< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
W-832-01	0.6	BUD	17-Aug-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	1.3	BUD	17-Aug-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	5.5	BUD	18-Aug-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	16.	BUD	18-Aug-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	20.3	BUD	18-Aug-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	20.3	DUP	18-Aug-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	24.5	BUD	18-Aug-94	< 0.0005	U					< 0.0005	U	0.0075		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	29.5	BUD	18-Aug-94	< 0.0005	U					< 0.0005	U	0.0018		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	32.	BUD	18-Aug-94	< 0.0005	U					< 0.0005	U	0.01		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	38.2	BUD	19-Aug-94	< 0.0005	U					0.00083		0.03		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	40.	BUD	19-Aug-94	0.001						< 0.0005	U	0.0044		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00059		0.0014		< 0.0005	U
W-832-01	40.	DUP	19-Aug-94	< 0.005	U					< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	U
W-832-05	1.3	BUD	10-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	5.3	BUD	10-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	10.5	BUD	10-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloroform mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-05	15.5	BUD	10-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	20.5	BUD	10-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	25.5	BUD	10-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	30.5	BUD	10-Oct-94	< 0.0005	U					< 0.0005	U	0.005		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	35.5	BUD	11-Oct-94	< 0.0005	U					< 0.0005	U	0.028		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	35.5	DUP	11-Oct-94	< 0.005	U					< 0.005	U	0.018		< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	U
W-832-05	37.	BUD	11-Oct-94	< 0.0005	U					< 0.0005	U	0.014	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	37.	DUP	11-Oct-94	< 0.0005	U					< 0.0005	U	0.028		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	38.5	BUD	12-Oct-94	< 0.0005	U					< 0.0005	U	0.029		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	38.5	DUP	12-Oct-94	< 0.0005	U					< 0.0005	U	0.018	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	1.75	BUD	21-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	5.75	BUD	21-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	10.25	BUD	21-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	15.	BUD	21-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	20.5	BUD	21-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	20.75	BUD	21-Nov-94	< 0.005	U					< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-832-06	26.	BUD	21-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	31.	BUD	21-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	35.75	BUD	21-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	40.	BUD	21-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	45.2	BUD	21-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	50.	BUD	22-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	53.5	BUD	22-Nov-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	37.	BUD	29-Aug-94	< 0.0005	U					< 0.0005	U	0.032		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0016		< 0.0005	U	< 0.0005	U
W-832-09	45.5	BUD	12-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	50.3	BUD	12-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	55.5	BUD	12-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	63.6	BUD	12-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	65.3	BUD	12-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	73.7	BUD	12-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	76.5	BUD	12-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	85.	BUD	24-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	95.	BUD	24-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	100.	BUD	24-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	105.8	BUD	25-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	116.5	BUD	25-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	122.3	BUD	25-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	125.	BUD	25-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	171.7	BUD	25-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	179.5	BUD	27-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	187.5	BUD	27-Oct-94	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-10	29.1	BUD	9-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.014		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0084	S
W-832-10	33.	BUD	9-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0066		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0091	S
W-832-10	34.7	BUD	9-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.03		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0099	S
W-832-11	27.2	BUD	20-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.012		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0055	B
W-832-11	32.2	BUD	21-Oct-97	< 0.0005	U	0.0006		< 0.0005	U			0.038		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0043	B
W-832-11	36.	BUD	21-Oct-97	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.026		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0037	B
W-832-12	5.	BUD	4-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	10.	BUD	4-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	15.	BUD	4-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0043		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	20.	BUD	4-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0042		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	25.	BUD	9-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0041		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	29.5	BUD	9-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	35.5	BUD	10-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0018		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	4.5	BUD	10-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	10.	BUD	10-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0063		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	14.5	BUD	11-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.044	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	18.5	BUD	11-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.1	D	0.0011		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	19.5	BUD	11-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.033		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	22.	BUD	11-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.027		0.0032		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloro-form mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-13	24.5	BUD	11-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0037		0.00065		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00054	B
W-832-13	27.5	BUD	12-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.011		0.0017		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00057	B
W-832-14	5.	BUD	12-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00079	B
W-832-14	7.5	BUD	17-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.006	B
W-832-14	10.	BUD	17-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0054	B
W-832-14	12.5	BUD	17-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0065	B
W-832-14	15.	BUD	17-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0015		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0058	B
W-832-14	17.5	BUD	17-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0009		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0036	B
W-832-14	20.	BUD	17-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.015		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0038	B
W-832-14	22.5	BUD	17-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.059	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0032	B
W-832-14	25.	BUD	17-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.02		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0032	B
W-832-15	5.	BUD	19-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0016	
W-832-15	7.5	BUD	19-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0018		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0029	
W-832-15	10.	BUD	20-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0044		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00052	
W-832-15	12.5	BUD	20-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.016		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	14.5	BUD	20-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.019		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	17.5	BUD	20-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.16	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	19.5	BUD	23-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.11	DLO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0018	B
W-832-15	21.5	BUD	23-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.028	LO	0.0054		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0035	B
W-832-15	23.5	BUD	23-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.011	LO	0.00077		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0038	B
W-832-15	24.5	BUD	23-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.024	LO	0.11	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0032	B
W-832-16	12.5	BUD	23-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.00077	LO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0036	B
W-832-16	16.7	BUD	24-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0015	L	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-16	17.5	BUD	24-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.01	L	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015	
W-832-17	12.	BUD	24-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0087	L	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0014	
W-832-17	14.	BUD	24-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.025	L	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0018	
W-832-17	15.5	BUD	24-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.035	L	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015	
W-832-17	17.2	BUD	25-Feb-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.045	LO	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0015	
W-832-18	5.	BUD	3-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	7.	BUD	3-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0012		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	10.	BUD	3-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.002		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	12.5	BUD	3-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0062		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	15.	BUD	3-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.049		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	17.5	BUD	3-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.031		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	20.5	BUD	3-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.11	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	22.5	BUD	3-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.081	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	25.	BUD	3-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.038	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	5.	BUD	4-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	7.5	BUD	4-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00054	
W-832-19	10.	BUD	4-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00057	
W-832-19	12.5	BUD	4-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	15.	BUD	4-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	17.5	BUD	4-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	20.	BUD	4-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.001		< 0.0005	U
W-832-19	20.3	BUD	4-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	22.5	BUD	4-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	25.	BUD	4-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0073		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-20	5.	BUD	5-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.00072		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00092	
W-832-20	7.5	BUD	5-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.00055		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00092	
W-832-20	10.	BUD	5-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0055		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00071	
W-832-20	12.5	BUD	5-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0014		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00085	
W-832-20	14.5	BUD	5-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0078		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00092	
W-832-20	17.5	BUD	5-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.017		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0012	
W-832-20	20.	BUD	5-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.026		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0014	
W-832-20	22.5	BUD	5-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.073	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.001	
W-832-20	25.	BUD	5-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.037		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0012	
W-832-21	5.	BUD	9-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0008	
W-832-21	10.	BUD	9-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0011		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00068	
W-832-21	15.	BUD	9-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.036		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00063	
W-832-22	5.	BUD	12-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	UL	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0039	B

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloro-form mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-22	9.5	BUD	12-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	UL	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0032	B
W-832-22	14.5	BUD	12-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.004	L	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0036	B
W-832-22	17.	BUD	12-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.013	L	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0037	B
W-832-22	20.	BUD	16-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.048	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0052	BO
W-832-22	25.	BUD	16-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.1	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0069	BO
W-832-22	30.	BUD	16-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.013		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0073	BO
W-832-22	32.5	BUD	16-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0019		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0055	BO
W-832-22	35.	BUD	16-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.00051		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0064	BO
W-832-22	40.	BUD	16-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.004	BO
W-832-22	45.	BUD	16-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0057	BO
W-832-22	50.	BUD	16-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0046	BO
W-832-22	55.	BUD	16-Mar-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0036	BO
W-832-23	5.5	BUD	23-Nov-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0037	B
W-832-23	10.3	BUD	23-Nov-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.00065		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0027	B
W-832-23	15.2	BUD	23-Nov-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0059		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0031	B
W-832-23	20.8	BUD	24-Nov-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.073	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0042	B
W-832-23	25.5	BUD	24-Nov-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.075	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0046	B
W-832-23	30.5	BUD	24-Nov-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.021		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0046	B
W-832-23	35.6	BUD	24-Nov-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.038	D	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0061	B
W-832-23	40.4	BUD	24-Nov-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0025		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0037	B
W-832-23	45.5	BUD	24-Nov-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0023		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0053	B
W-832-23	50.2	BUD	24-Nov-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0052	B
W-832-23	55.5	BUD	24-Nov-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.005	B
W-832-24	5.	BUD	22-Dec-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0009	
W-832-24	10.	BUD	22-Dec-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00095	
W-832-24	15.	BUD	22-Dec-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00068	
W-832-24	20.	BUD	22-Dec-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	25.	BUD	22-Dec-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	30.	BUD	22-Dec-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0006		< 0.0005	U	< 0.0005	U
W-832-24	35.	BUD	22-Dec-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.00092		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	40.	BUD	23-Dec-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	44.8	BUD	23-Dec-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	50.	BUD	28-Dec-98	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0024	
W-832-25	6.	BUD	2-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.001	B
W-832-25	11.	BUD	2-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00089	B
W-832-25	16.	BUD	2-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0008	B
W-832-25	20.	BUD	2-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0011		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00081	B
W-832-25	25.5	BUD	2-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0042		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00076	B
W-832-25	30.	BUD	2-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.014		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00098	B
W-832-25	36.	BUD	2-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0061		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00075	B
W-832-25	41.	BUD	2-Feb-99	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.012		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0014	B
B-832-1927	25.	BUD	5-Mar-03	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0049	DU
B-832-1927	36.4	BUD	5-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0073	DU
B-832-1927	41.	BUD	5-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0061	DU
B-832-1927	50.4	BUD	5-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0061	DU
B-832-1927	61.3	BUD	6-Mar-03	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0053	DU
B-832-1927	71.5	BUD	6-Mar-03	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DEU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0057	DU
B-832-1927	81.3	BUD	6-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0064	DU
B-832-1927	91.5	BUD	6-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.006	DU
B-832-1927	100.	BUD	10-Mar-03	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0056	DU
B-832-1927	105.	BUD	10-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0065	DU
B-832-1927	110.	BUD	10-Mar-03	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0058	DU
B-832-1927	115.	BUD	10-Mar-03	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0052	DU
B-832-1927	120.	BUD	10-Mar-03	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0047	DU
B-832-1927	125.2	BUD	10-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0064	DU
B-832-1927	130.5	BUD	10-Mar-03	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0083	DU
B-832-1927	135.5	BUD	10-Mar-03	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.005	DU
B-832-1927	140.2	BUD	10-Mar-03	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0056	DU
B-832-1927	144.8	BUD	10-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0067	DU
B-832-1927	150.1	BUD	11-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0062	DU

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg		cis-1,2-DCE mg/kg		trans-1,2-DCE mg/kg		Total 1,2-DCE mg/kg		TCE mg/kg		PCE mg/kg		1,1-DCA mg/kg		1,2-DCA mg/kg		1,1,1-TCA mg/kg		Chloroform mg/kg		Freon 11 mg/kg		Freon 113 mg/kg		Methylene chloride mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
B-832-1927	154.8	BUD	11-Mar-03	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0051	DU
B-832-1927	160.	BUD	11-Mar-03	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0053	DU
B-832-1927	165.	BUD	11-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.007	DU
B-832-1927	170.4	BUD	11-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0066	DU
B-832-1927	175.1	BUD	11-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.007	DU
B-832-1927	180.2	BUD	11-Mar-03	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0047	DU
B-832-1927	185.	BUD	11-Mar-03	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0047	DU
B-832-1927	191.	BUD	11-Mar-03	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0057	DU
B-832-1927	195.	BUD	11-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0065	DU
B-832-1927	201.	BUD	12-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0061	DU
B-832-1927	204.8	BUD	12-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0067	DU
B-832-1927	210.1	BUD	12-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.007	DU
B-832-1927	215.1	BUD	12-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	0.0015	D	< 0.0059	DU		
B-832-1927	215.4	DUP	12-Mar-03	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0057	DU
B-832-1927	220.1	BUD	12-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0069	DU
B-832-1927	220.4	DUP	12-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0072	DU
B-832-1927	225.	BUD	12-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0074	DU
B-832-1927	225.3	DUP	12-Mar-03	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0083	DU
B-832-1927	230.	BUD	12-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DEU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0066	DU
B-832-1927	235.1	BUD	12-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.006	DU
B-832-1927	240.2	BUD	12-Mar-03	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.0078	DU
B-832-1927	240.5	DUP	12-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0068	DU
B-832-1927	244.9	BUD	12-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0072	DU
B-832-1927	250.	BUD	12-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0064	DU
B-832-1927	255.	BUD	13-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DUL	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0066	DU
B-832-1927	259.9	BUD	13-Mar-03	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DUL	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0076	DU
B-832-1927	265.2	BUD	13-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DUL	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0065	DU
B-832-1927	271.	BUD	13-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DUL	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0066	DU
B-832-1927	271.3	DUP	13-Mar-03	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DUL	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0075	DU
B-832-1927	275.9	BUD	13-Mar-03	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DUL	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0091	DU
B-832-1927	280.8	BUD	13-Mar-03	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DUL	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.0081	DU
B-832-1927	285.7	BUD	13-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DUL	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0068	DU
B-832-1927	291.2	BUD	13-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DUL	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0063	DU
B-832-1927	297.3	BUD	13-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DUL	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0074	DU
W-880-01	2.	BUD	25-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0021	B
W-880-01	13.5	BUD	25-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0019	
W-880-01	20.	BUD	25-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0026	
W-880-01	30.	BUD	26-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	32.	BUD	26-Oct-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	40.	BUD	1-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	40.5	DUP	1-Nov-95	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-880-01	50.	BUD	1-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	60.	BUD	1-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	70.	BUD	1-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	80.	BUD	1-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	90.	BUD	2-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	90.5	DUP	2-Nov-95	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-880-01	101.	BUD	2-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	112.5	BUD	2-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	120.	BUD	2-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	130.	BUD	2-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	140.	BUD	2-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	140.6	DUP	2-Nov-95	< 0.005	U	< 0.005	U	< 0.005	U			< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-880-01	152.5	BUD	6-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	162.6	BUD	6-Nov-95	< 0.0005	U					< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
SVV-832-01	5.5	BUD	8-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0035	B
SVV-832-01	5.5	BUD	8-Aug-96	< 0.003	U			< 0.002	U			< 0.001	U	< 0.001	U	< 0.001	U	< 0.002	U	< 0.003	U					< 0.001	U		
SVV-832-01	11.	BUD	8-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0046	B
SVV-832-01	11.	BUD	8-Aug-96	< 0.003	U			< 0.002	U			< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	< 0.002	U	< 0.002	U	< 0.003	U			< 0.001	U
SVV-832-01	16.	BUD	8-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0034	B

Table A-3. VOCs in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	TYPE	SAMPLED	1,1-DCE mg/kg RESULT	FLAG	cis-1,2-DCE mg/kg RESULT	FLAG	trans-1,2-DCE mg/kg RESULT	FLAG	Total 1,2-DCE mg/kg RESULT	FLAG	TCE mg/kg RESULT	FLAG	PCE mg/kg RESULT	FLAG	1,1-DCA mg/kg RESULT	FLAG	1,2-DCA mg/kg RESULT	FLAG	1,1,1-TCA mg/kg RESULT	FLAG	Chloroform mg/kg RESULT	FLAG	Freon 11 mg/kg RESULT	FLAG	Freon 113 mg/kg RESULT	FLAG	Methylene chloride mg/kg RESULT	FLAG
SVV-832-01	16.	BUD	8-Aug-96	< 0.003	U			< 0.002	U			< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	< 0.002	U	< 0.002	U	< 0.003	U			< 0.001	U
SVV-832-01	6.	BUD	9-Aug-96	< 0.003	U			< 0.002	U			< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	< 0.002	U	< 0.002	U	< 0.003	U			< 0.001	U
SVV-832-01	11.	BUD	9-Aug-96	< 0.003	U			< 0.002	U			0.004		< 0.001	U	< 0.001	U	< 0.001	U	< 0.002	U	< 0.002	U	< 0.003	U			< 0.001	U
SVV-832-01	16.	BUD	9-Aug-96	< 0.003	U			< 0.002	U			0.029		< 0.001	U	< 0.001	U	< 0.001	U	< 0.002	U	< 0.002	U	< 0.003	U			< 0.001	U
SVV-832-01	21.	BUD	9-Aug-96	< 0.003	U			< 0.002	U			0.009		< 0.001	U	< 0.001	U	< 0.001	U	< 0.002	U	< 0.002	U	< 0.003	U			< 0.001	U
SVV-832-01	6.	BUD	9-Aug-96	< 0.003	U			< 0.002	U			< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	< 0.002	U	< 0.002	U	< 0.003	U			< 0.001	U
SVV-832-01	11.	BUD	9-Aug-96	< 0.003	U			< 0.002	U			< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	< 0.002	U	< 0.002	U	< 0.003	U			< 0.001	U
SVV-832-01	16.	BUD	9-Aug-96	< 0.003	U			< 0.002	U			0.015		< 0.001	U	< 0.001	U	< 0.001	U	< 0.002	U	< 0.002	U	< 0.003	U			< 0.001	U
SVV-832-01	21.	BUD	9-Aug-96	< 0.003	U			< 0.002	U			0.002		< 0.001	U	< 0.001	U	< 0.001	U	< 0.002	U	< 0.002	U	< 0.003	U			< 0.001	U
SVV-832-02	6.	BUD	4-Oct-96	< 0.0004	U	< 0.0004	U					0.0011		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
SVV-832-02	12.	DUP	4-Oct-96	< 0.0005	U	< 0.0005	U	< 0.0005	U			0.0091		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
SVV-832-02	12.	BUD	4-Oct-96	< 0.0004	U	< 0.0004	U					0.0061		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
SVV-832-02	18.	BUD	4-Oct-96	< 0.0004	U	< 0.0004	U					0.0459		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
SVV-832-02	26.	BUD	4-Oct-96	< 0.0004	U	< 0.0004	U					0.0022		< 0.0004	U			< 0.0004	U	< 0.0004	U	< 0.0004	U			< 0.0004	U		
830-LG	0.9	BSS	31-Aug-83									0.004	P																
830-LG	2.8	BSS	31-Aug-83									0.003	P																
830-LG	2.8	BSS	31-Aug-83									0.002	P																
830-LG	4.	BSS	31-Aug-83									0.003	P																
830-MG	1.5	BSS	31-Aug-83									0.003	P																
830-MG	2.	BSS	31-Aug-83									0.018	P																
830-MG	3.3	BSS	31-Aug-83									0.019	P																
830-UG1	1.3	BSS	31-Aug-83									< 0.001	P																
830-UG2	3.1	BSS	26-Sep-83									< 0.06	P																
830-UG2	4.2	BSS	23-Sep-83									< 0.06	P																
833-46	0.	BSS	18-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	5.3	BSS	18-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	10.3	BSS	18-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	15.3	BSS	18-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	20.5	BSS	18-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	25.8	BSS	18-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	31.	BSS	19-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	36.2	BSS	19-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-48	5.3	BSS	19-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-48	10.8	BSS	19-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-48	15.5	BSS	19-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-48	19.5	BSS	22-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-49	5.	BSS	23-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-49	10.3	BSS	23-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-49	15.5	BSS	23-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0027	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-49	20.3	BSS	23-Apr-91	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	0.0017	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P

Table A-4. High Explosives in ground water and surface water (ug/L), Building 832 Canyon OU.

			HMX ug/L		RDX ug/L		TNT ug/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-35B-01	RTN	20-Nov-97	< 5	U	< 5	U		
W-35B-01	RTN	22-Jun-98	< 5	U	< 5	U		
W-35B-01	RTN	23-Jan-01	< 1	U	< 1	U		
W-35B-01	RTN	14-May-01	< 1	LOU	< 1	U		
W-35B-01	RTN	19-Jul-01	< 1	U	< 1	U		
W-35B-01	RTN	25-Oct-01	< 1	U	< 1	U		
W-35B-01	RTN	23-Jan-02	< 1	U	< 1	U		
W-35B-01	RTN	20-May-02	< 1	U	< 1	U		
W-35B-01	RTN	20-Aug-02	< 1	U	< 1	U		
W-35B-01	RTN	26-Nov-02	< 1	U	< 1	U		
W-35B-01	RTN	14-Mar-03	< 1	U	< 1	U		
W-35B-01	RTN	15-Jul-03	< 1	U	< 1	U		
W-35B-01	RTN	10-Oct-03	< 1	U	< 1	U		
W-35B-01	RTN	23-Feb-04	< 1	U	< 1	U		
W-35B-01	RTN	20-Apr-04	< 1	U	< 1	U		
W-35B-01	RTN	12-Jul-04	< 1	U	< 1	U		
W-35C-06	RTN	11-May-92	< 20	P	< 30	P	< 30	P
W-35C-06	RTN	3-Nov-92	< 20	P	< 30	P	< 30	P
W-35C-06	RTN	7-Jun-93	< 0.785	U	< 0.71	U	< 0.501	U
W-35C-06	RTN	7-Jun-93	< 20	U	< 30	U	< 30	U
W-35C-06	RTN	28-Oct-03	< 1	U	< 1	U		
W-35C-06	RTN	29-Jul-04	< 1	U	< 1	U		
W-4C	RTN	16-Jun-92	< 20	P	< 30	P	< 30	P
W-4C	RTN	28-Jul-92	< 20	P	< 30	P	< 30	P
W-4C	RTN	7-Dec-92	< 20	P	< 30	P	< 30	P
W-4C	RTN	22-Feb-93	< 20	U	< 30	U	< 30	U
W-4C	RTN	3-Jun-93	< 0.785	U	< 0.71	U	< 0.501	U
W-4C	RTN	3-Jun-93	< 20	U	< 30	U	< 30	U
W-4C	RTN	16-Feb-94	< 10	U	< 10	U	< 5	U
W-4C	RTN	24-Mar-95	< 5	U	< 5	U	< 5	U
W-4C	RTN	7-May-96	< 5	U	< 5	U		
W-4C	RTN	16-Apr-97	< 5	U	< 5	U		
W-4C	RTN	11-May-98	< 5	U	< 5	U		
W-4C	RTN	30-May-00	< 2	U	< 2	U		
W-4C	RTN	23-Apr-01	< 1	LOU	< 1	LOU		
W-4C	RTN	5-Jun-02	< 1	LOU	< 1	LOU		
W-4C	RTN	28-Mar-03	< 1	U	< 1	U		
W-4C	RTN	5-Feb-04	< 1	U	< 1	U		
W-6BS	RTN	6-Jan-88	< 8	P	< 20	P	< 20	P
W-6BS	DUP	6-Jan-88	< 8	P	< 20	P	< 20	P
W-6BS	RTN	21-Mar-88	< 15	P	< 20	P	< 15	P
W-6BS	RTN	20-May-92	< 20	P	< 30	P	< 30	P
W-6BS	RTN	4-Nov-92	< 20	P	< 30	P	< 30	P
W-6BS	RTN	9-Jun-93	< 0.785	U	< 0.71	U	< 0.501	U
W-6BS	RTN	9-Jun-93	< 20	U	< 30	U	< 30	U
W-6BS	RTN	27-Jul-93	< 20	U	< 30	U	< 30	U
W-6BS	RTN	11-Nov-93	< 20	U	< 30	U	< 30	U
W-6BS	RTN	10-Feb-94	< 10	U	< 10	U	< 5	U
W-6BS	RTN	26-Apr-94	< 10	U	< 10	U	< 5	U
W-6BS	RTN	26-Apr-94	< 20	U	< 30	U	< 30	U
W-6BS	RTN	20-Dec-94	< 5	U	< 5	U	< 5	U
W-6BS	RTN	28-Mar-95	< 5	U	< 5	U	< 5	U
W-6BS	RTN	18-Jun-96	< 5	U	< 5	U		
W-6BS	RTN	20-Jun-97	< 5	U	< 5	U		
W-6BS	RTN	13-May-98	< 5	U	< 5	U		
W-6BS	RTN	30-Apr-01	< 1	U	< 1	U		

Table A-4. High Explosives in ground water and surface water (ug/L), Building 832 Canyon OU.

			HMX ug/L		RDX ug/L		TNT ug/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-6BS	RTN	26-Jun-02	< 1	U	< 1	U		
W-6BS	DUP	26-Jun-02	< 1	U	< 1	U		
W-6BS	RTN	28-Oct-03	< 1	U	< 1	U		
W-6BS	DUP	17-Aug-04	< 5	U	< 5	U		
W-6BS	RTN	17-Aug-04	< 1	U	< 1	U		
W-6ES	RTN	11-May-92	< 20	P	< 30	P	< 30	P
W-6ES	RTN	3-Nov-92	< 20	P	< 30	P	< 30	P
W-6ES	RTN	23-Feb-94	< 10	U	< 10	U	< 5	U
W-6ES	RTN	24-Mar-95	< 5	U	< 5	U	< 5	U
W-6ES	RTN	6-May-96	< 5	U	< 5	U		
W-6ES	RTN	8-May-97	< 5	U	< 5	U		
W-6ES	RTN	13-May-98	< 5	U	< 5	U		
W-6ES	RTN	14-Jun-99	< 1	U	< 1	U		
W-6ES	RTN	20-Jun-00	< 2	U	< 2	U		
W-6ES	RTN	24-Apr-01	< 1	U	< 1	U		
W-6ES	RTN	5-Jun-02	< 1	LOU	< 1	LOU		
W-6ES	RTN	29-Oct-03	< 1	U	< 1	U		
W-6ES	RTN	18-Aug-04	< 1	U	< 1	U		
W-814-04	RTN	3-May-94	< 10	U	< 10	U	< 5	U
W-814-04	RTN	6-Dec-94	< 5	U	< 5	U	< 5	U
W-814-04	RTN	30-Mar-95	< 5	U	< 5	U	< 5	LOU
W-814-04	RTN	8-May-96	< 5	U	< 5	U		
W-814-04	RTN	22-May-96	< 5	U	< 5	U		
W-814-04	RTN	8-May-97	< 5	U	< 5	U		
W-814-04	RTN	21-May-98	< 5	UH	< 5	UH		
W-814-04	RTN	14-Jun-99	< 1	U	< 1	U		
W-814-04	RTN	13-Jun-00	< 1	U	< 1	U		
W-814-04	RTN	19-Jun-01	< 2	U	< 2	U		
W-814-04	RTN	24-Jun-02	< 1	LOU	< 1	LOU		
W-814-04	RTN	18-Nov-03	< 1	U	< 1	U		
W-814-04	RTN	24-Aug-04	< 1	U	< 1	U		
W-830-04A	RTN	5-Dec-91	< 0.83		< 0.731		< 0.469	
W-830-04A	RTN	5-Dec-91	< 20	P	< 30	P	< 30	P
W-830-04A	RTN	21-Feb-95	< 5	U	< 5	U	< 5	U
W-830-04A	RTN	12-May-95	< 5	U	< 5	U		
W-830-05	RTN	18-Dec-91	< 20	P	< 30	P	< 30	P
W-830-05	RTN	7-Mar-94	< 10	U	< 10	U	< 5	U
W-830-05	RTN	23-Feb-95	< 5	U	< 5	U	< 5	U
W-830-05	RTN	11-May-95	< 5	U	< 5	U		
W-830-09	RTN	6-Dec-91	< 20	P	< 30	P	< 30	P
W-830-09	DUP	8-Mar-95	< 5	U	< 5	U	< 5	U
W-830-09	RTN	8-Mar-95	< 5	U	< 5	U	< 5	U
W-830-09	RTN	16-May-95	< 5	U	< 5	U		
W-830-09	RTN	16-Nov-00	< 5	U	< 5	U		
W-830-09	RTN	20-Nov-00	< 5	U	< 5	U		
W-830-09	RTN	29-Jan-01	< 5	U	< 5	LOU		
W-830-09	RTN	15-May-01	< 5	U	< 5	U		
W-830-10	RTN	24-Jun-92	< 20	P	< 30	P	< 30	P
W-830-10	RTN	26-Oct-92	< 20	P	< 30	P	< 30	P
W-830-10	RTN	16-Feb-93	< 20	U	< 30	U	< 30	U
W-830-10	RTN	27-Apr-93	< 20	U	< 30	U	< 30	U
W-830-10	RTN	19-Aug-93	< 20	U	< 30	U	< 30	U
W-830-10	RTN	13-Dec-93	< 10	U	< 10	U	< 5	U
W-830-10	RTN	13-Dec-93	< 20	U	< 30	U	< 30	U
W-830-10	RTN	7-Mar-94	< 10	U	< 10	U	< 5	U
W-830-10	RTN	12-May-94	< 10	U	< 10	U	< 5	U

Table A-4. High Explosives in ground water and surface water (ug/L), Building 832 Canyon OU.

			HMX ug/L		RDX ug/L		TNT ug/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-10	RTN	10-Aug-94	< 10	U	< 10	U	< 5	U
W-830-10	RTN	21-Dec-94	< 5	U	< 5	U	< 5	U
W-830-10	RTN	16-Mar-95	< 5	U	< 5	U	< 5	U
W-830-10	RTN	12-May-95	< 5	U	< 5	U		
W-830-10	RTN	17-Nov-00	< 5	U	< 5	U		
W-830-10	RTN	30-Jan-01	< 5	U	< 5	U		
W-830-10	RTN	17-May-01	< 5	U	< 5	U		
W-830-10	RTN	19-Sep-01	< 0.75	U	< 0.75	U		
W-830-10	RTN	26-Dec-01	< 5	U	< 5	U		
W-830-10	DUP	31-Jan-02	< 1.5	ILUO				
W-830-11	RTN	25-Jun-92	< 20	P	< 30	P	< 30	P
W-830-11	RTN	26-Oct-92	< 20	P	< 30	P	< 30	P
W-830-11	RTN	16-Feb-93	< 20	U	< 30	U	< 30	U
W-830-11	RTN	27-Apr-93	< 20	U	< 30	U	< 30	U
W-830-11	RTN	19-Aug-93	< 20	U	< 30	U	< 30	U
W-830-11	RTN	13-Dec-93	< 10	U	< 10	U	< 5	U
W-830-11	RTN	13-Dec-93	< 20	U	< 30	U	< 30	U
W-830-11	RTN	7-Mar-94	< 10	U	< 10	U	< 5	U
W-830-11	RTN	11-Aug-94	< 10	U	< 10	U	< 5	U
W-830-11	RTN	16-Dec-94	< 5	U	< 5	U	< 5	U
W-830-11	DUP	16-Dec-94	< 5	U	< 5	U	< 5	U
W-830-11	RTN	22-Feb-95	< 5	U	< 5	U	< 5	U
W-830-11	RTN	12-May-95	< 5	U	< 5	U		
W-830-11	RTN	17-Nov-00	< 5	U	< 5	U		
W-830-11	DUP	30-Jan-01	< 5	U	< 5	U		
W-830-11	RTN	30-Jan-01	< 5	U	< 5	U		
W-830-11	RTN	17-May-01	< 5	U	< 5	U		
W-830-11	RTN	19-Sep-01	< 0.75	U	< 0.75	U		
W-830-11	RTN	18-Dec-01	< 0.36	U	< 0.36	U		
W-830-12	RTN	21-Dec-94	< 5	U	< 5	U	< 5	U
W-830-12	RTN	8-Mar-95	< 5	U	< 5	U	< 5	U
W-830-12	RTN	16-May-95	< 5	U	< 5	U		
W-830-13	RTN	16-Mar-95	< 5	U	< 5	U	< 5	U
W-830-13	RTN	12-May-95	< 5	U	< 5	U		
W-830-13	RTN	17-Nov-00	< 5	U	< 5	U		
W-830-13	RTN	31-Jan-01	< 5	U	< 5	U		
W-830-13	RTN	17-May-01	< 5	U	< 5	U		
W-830-13	DUP	17-May-01	< 1	LOU	< 1	U		
W-830-13	RTN	25-Sep-01	< 0.75	LOU	< 0.75	LOU		
W-830-13	RTN	18-Dec-01	< 0.22	U	< 0.22	U		
W-830-13	RTN	12-Mar-02	< 0.8	HU	< 0.8	U		
W-830-14	RTN	16-Mar-95	< 5	U	< 5	U	< 5	U
W-830-14	RTN	18-May-95	< 5	U	< 5	U		
W-830-14	DUP	18-May-95	< 5	U	< 5	U		
W-830-14	RTN	17-Nov-00	< 5	U	< 5	U		
W-830-14	RTN	30-Jan-01	< 5	U	< 5	U		
W-830-14	RTN	17-May-01	< 5	U	< 5	U		
W-830-14	RTN	19-Sep-01	< 0.75	U	< 0.75	U		
W-830-14	RTN	26-Dec-01	< 5	U	< 5	U		
W-830-14	RTN	12-Mar-02	< 5	U	< 5	U		
W-830-14	DUP	12-Mar-02	< 0.92	HU	< 0.92	U		
W-830-15	RTN	16-Mar-95	< 5	U	< 5	U	< 5	U
W-830-15	RTN	16-May-95	< 5	U	< 5	U		
W-830-16	RTN	25-Jan-96	< 5	U	< 5	U		
W-830-17	RTN	25-Jan-96	< 5	U	< 5	U		
W-830-17	RTN	22-Dec-98			< 0.6	U		

Table A-4. High Explosives in ground water and surface water (ug/L), Building 832 Canyon OU.

			HMX ug/L		RDX ug/L		TNT ug/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-18	RTN	28-Jun-96	< 5	U	< 5	U		
W-830-18	RTN	23-Aug-96	< 5	U	< 5	U		
W-830-18	RTN	13-Dec-96	< 5	U	< 5	U		
W-830-18	DUP	17-Nov-00	< 5	U	< 5	U		
W-830-18	RTN	17-Nov-00	< 5	U	< 5	U		
W-830-18	RTN	26-Jan-01	< 5	U	< 5	LOU		
W-830-18	RTN	22-May-01	< 1.2	DU	1.8	D		
W-830-18	RTN	24-Sep-01	< 0.75	LOU	< 0.75	LOU		
W-830-18	DUP	24-Sep-01	< 0.75	LOU	< 0.75	LOU		
W-830-18	RTN	26-Dec-01	< 5	U	< 5	U		
W-830-19	RTN	28-Jun-96	< 5	U	< 5	U		
W-830-19	RTN	21-Nov-00	< 5	U	< 5	U		
W-830-19	RTN	29-Jan-01	< 5	U	< 5	LOU		
W-830-19	RTN	22-May-01	< 1.3	DU	< 1.3	DU		
W-830-19	RTN	13-Dec-01	< 1.4	U	< 1.4	U		
W-830-19	RTN	15-Mar-02	< 0.9	U	< 0.9	U		
W-830-20	RTN	24-Sep-96	< 5	U	< 5	U		
W-830-21	RTN	19-Sep-96	< 5	U	< 5	U		
W-830-21	RTN	17-Nov-00	< 5	U	< 5	U		
W-830-21	RTN	30-Jan-01	< 5	U	< 5	U		
W-830-21	RTN	22-May-01	< 1.1	DU	< 1.1	DU		
W-830-21	RTN	19-Sep-01	< 0.75	U	< 0.75	U		
W-830-21	DUP	18-Dec-01	< 0.82	U	< 0.82	U		
W-830-21	RTN	18-Dec-01	< 0.62	U	< 0.62	U		
W-830-22	RTN	20-Sep-96	< 5	U	< 5	U		
W-830-22	RTN	16-Nov-00	< 5	U	< 5	U		
W-830-22	RTN	29-Jan-01	< 5	U	< 5	LOU		
W-830-22	RTN	18-May-01	< 5	U	< 5	U		
W-830-22	DUP	18-May-01	< 5	U	< 5	U		
W-830-22	RTN	30-Nov-01	< 0.78	U	< 0.78	U		
W-830-22	RTN	15-Mar-02	< 0.64	U	< 0.64	U		
W-830-25	RTN	30-May-01	< 5	U	< 5	U		
W-830-25	RTN	21-Dec-01	< 0.81	ULO	< 0.81	ULO		
W-830-25	RTN	14-Mar-02	< 0.64	LOU	< 0.64	LOU		
W-830-26	RTN	20-Sep-96	< 5	U	< 5	U		
W-830-26	DUP	16-Nov-00	< 5	U	< 5	U		
W-830-26	RTN	16-Nov-00	< 5	U	< 5	U		
W-830-26	RTN	29-Jan-01	< 5	U	< 5	LOU		
W-830-26	RTN	18-May-01	< 5	U	< 5	U		
W-830-26	RTN	30-Nov-01	< 0.93	U	< 0.93	U		
W-830-26	RTN	14-Mar-02	< 1.3	LOU	< 1.3	LOU		
W-830-27	RTN	19-Sep-96	< 5	U	< 5	U		
W-830-27	RTN	28-Nov-00	< 5	U	< 5	U		
W-830-27	RTN	26-Feb-01	< 5	U	< 5	U		
W-830-27	RTN	31-May-01	< 5	U	< 5	U		
W-830-27	RTN	20-Sep-01	< 0.75	U	< 0.75	U		
W-830-27	RTN	19-Dec-01	< 0.34	U	< 0.34	U		
W-830-27	RTN	14-Mar-02	< 1.5	LOU	< 1.5	LOU		
W-830-28	RTN	23-Sep-96	< 5	U	< 5	U		
W-830-28	RTN	28-Nov-00	< 5	U	< 5	U		
W-830-28	RTN	26-Feb-01	< 5	U	< 5	U		
W-830-28	RTN	24-May-01	< 5	U	< 5	U		
W-830-28	DUP	24-May-01	< 1	U	< 1	U		
W-830-28	RTN	20-Sep-01	< 0.75	U	< 0.75	U		
W-830-28	RTN	19-Dec-01	< 0.9	U	< 0.9	U		
W-830-28	RTN	14-Mar-02	< 0.84	LOU	< 0.84	LOU		

Table A-4. High Explosives in ground water and surface water (ug/L), Building 832 Canyon OU.

			HMX ug/L		RDX ug/L		TNT ug/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-29	RTN	17-Mar-97	< 5	U	< 5	U		
W-830-30	RTN	11-Mar-97	< 5	U	< 5	U		
W-830-30	RTN	20-Nov-00	< 5	U	< 5	U		
W-830-30	RTN	29-Jan-01	< 5	U	< 5	LOU		
W-830-30	RTN	23-May-01	< 5	U	< 5	U		
W-830-30	RTN	30-Nov-01	< 0.96	U	< 0.96	U		
W-830-30	RTN	15-Mar-02	< 1.2	U	< 1.2	U		
W-830-34	RTN	11-Mar-97	< 5	U	< 5	U		
W-830-34	RTN	20-Nov-00	< 5	U	< 5	U		
W-830-34	RTN	29-Jan-01	< 5	U	< 5	LOU		
W-830-34	RTN	3-May-01	< 0.63	DU	< 0.63	DU		
W-830-34	RTN	30-Nov-01	< 1	U	< 1	U		
W-830-34	RTN	15-Mar-02	< 0.57	U	< 0.57	U		
W-830-49	RTN	15-Jun-98	< 5	U	< 5	U		
W-830-49	RTN	16-Nov-00	< 5	U	< 5	U		
W-830-49	RTN	31-Jan-01	< 5	U	< 5	U		
W-830-49	RTN	3-May-01	< 0.3	DU	< 0.3	DU		
W-830-49	RTN	30-Aug-01	< 5	U	< 5	U		
W-830-49	DUP	30-Aug-01	< 0.38	U	< 0.38	U		
W-830-49	RTN	30-Nov-01	< 1.5	U	< 1.5	U		
W-830-49	RTN	15-Mar-02	< 0.39	U	< 0.39	U		
W-830-50	RTN	1-Apr-99	< 1	U	< 0.8	U		
W-830-50	RTN	14-Sep-99	< 1	U	< 1	U		
W-830-50	RTN	29-Nov-00	< 5	U	< 5	U		
W-830-50	RTN	12-Feb-01	< 5	U	< 5	U		
W-830-50	RTN	3-May-01	< 0.9	DU	< 0.9	DU		
W-830-50	RTN	19-Sep-01	< 0.75	U	< 0.75	U		
W-830-50	RTN	19-Dec-01	< 0.57	U	< 0.57	U		
W-830-50	RTN	12-Mar-02	< 0.58	HU	< 0.58	U		
W-830-51	RTN	10-Sep-99	< 5	U	< 5	U		
W-830-51	RTN	11-Dec-00	< 5	U	< 5	U		
W-830-51	DUP	11-Dec-00	< 1	U	< 1	U		
W-830-51	RTN	30-Mar-01	< 5	U	< 5	U		
W-830-51	RTN	13-Sep-01	< 0.75	U	< 0.75	U		
W-830-51	RTN	23-Jan-02			< 0.75	U		
W-830-52	RTN	15-Feb-00	< 5	U	< 5	U		
W-830-52	RTN	28-Nov-00	< 5	U	< 5	U		
W-830-52	RTN	30-Mar-01	< 5	U	< 5	U		
W-830-52	RTN	22-Jun-01	< 5	U	< 5	U		
W-830-52	RTN	13-Sep-01	< 0.75	U	< 0.75	U		
W-830-52	RTN	26-Nov-01	< 5	U	< 5	U		
W-830-52	RTN	23-Jan-02			< 0.82	U		
W-830-53	RTN	15-Feb-00	< 5	U	< 5	U		
W-830-53	RTN	28-Nov-00	< 5	U	< 5	U		
W-830-53	RTN	30-Mar-01	< 5	U	< 5	U		
W-830-53	RTN	21-Jun-01	< 5	U	< 5	U		
W-830-53	RTN	13-Sep-01	< 0.75	U	< 0.75	U		
W-830-53	RTN	26-Nov-01	< 5	U	< 5	U		
W-830-53	RTN	23-Jan-02			< 0.93	U		
W-830-54	RTN	18-Feb-00	< 5	U	< 5	U		
W-830-54	RTN	29-Nov-00	< 5	U	< 5	U		
W-830-54	RTN	21-Feb-01	< 5	U	< 5	U		
W-830-54	RTN	31-May-01	< 5	U	< 5	U		
W-830-54	RTN	20-Sep-01	< 0.75	U	< 0.75	U		
W-830-54	RTN	18-Dec-01	< 0.39	U	< 0.39	U		
W-830-54	RTN	13-Mar-02	< 0.52	U	< 0.52	U		

Table A-4. High Explosives in ground water and surface water (ug/L), Building 832 Canyon OU.

			HMX ug/L		RDX ug/L		TNT ug/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-55	RTN	18-Feb-00	< 5	U	< 5	U		
W-830-55	RTN	29-Nov-00	< 5	U	< 5	U		
W-830-55	RTN	21-Feb-01	< 5	U	< 5	U		
W-830-55	DUP	21-Feb-01	< 5	U	< 5	U		
W-830-55	RTN	31-May-01	< 5	U	< 5	U		
W-830-55	DUP	20-Sep-01	< 0.48	U	< 0.48	U		
W-830-55	RTN	20-Sep-01	< 0.64	U	< 0.64	U		
W-830-55	RTN	18-Dec-01	< 0.6	U	< 0.6	U		
W-830-55	RTN	13-Mar-02	< 1.4	U	< 1.4	U		
W-830-56	RTN	11-Feb-00	< 5	U	< 5	U		
W-830-56	RTN	29-Nov-00	< 5	U	< 5	U		
W-830-56	RTN	31-Jan-01	< 5	U	< 5	U		
W-830-56	RTN	24-May-01	< 5	U	< 5	U		
W-830-56	RTN	24-Sep-01	< 0.75	LOU	< 0.75	LOU		
W-830-56	RTN	20-Dec-01	< 0.63	U	< 0.63	U		
W-830-56	RTN	13-Mar-02	< 0.82	U	< 0.82	U		
W-830-56	DUP	13-Mar-02	< 0.74	U	< 0.74	U		
W-830-57	RTN	30-Mar-00	< 5	U	< 5	U		
W-830-57	DUP	7-Nov-00	< 5	U	< 5	U		
W-830-57	RTN	30-Jan-01	< 5	U	< 5	U		
W-830-57	RTN	11-Apr-01	< 5	U	< 5	U		
W-830-57	RTN	13-Sep-01	< 5	U	< 5	U		
W-830-57	RTN	18-Oct-01	< 5	U	< 5	U		
W-830-57	RTN	17-Jan-02	< 5	U	< 5	U		
W-830-58	RTN	31-Mar-00	< 5	U	< 5	U		
W-830-58	RTN	11-Dec-00	< 5	U	< 5	U		
W-830-58	DUP	11-Dec-00	< 1	U	< 1	U		
W-830-58	RTN	12-Feb-01	< 5	U	< 5	U		
W-830-58	RTN	31-May-01	< 5	U	< 5	U		
W-830-58	RTN	25-Sep-01	< 0.72	L0U	< 0.72	LOU		
W-830-58	RTN	21-Dec-01	< 0.82	ULO	< 0.82	ULO		
W-830-58	RTN	14-Mar-02	< 1.2	LOU	< 1.2	LOU		
W-830-59	RTN	24-Aug-00	< 5	U	< 5	U		
W-830-59	RTN	16-Nov-00	< 5	U	< 5	U		
W-830-59	RTN	31-Jan-01	< 5	U	< 5	U		
W-830-59	RTN	3-May-01	< 0.51	DU	< 0.51	DU		
W-830-59	RTN	30-Aug-01	< 1.1	U	< 1.1	U		
W-830-59	RTN	13-Dec-01	< 0.93	U	< 0.93	U		
W-830-59	RTN	15-Mar-02	< 0.66	U	< 0.66	U		
W-830-60	RTN	17-Aug-00	< 5	U	< 5	LU		
W-830-60	RTN	30-Aug-00	< 5	U	< 5	U		
W-830-60	RTN	11-Dec-00	< 5	U	< 5	U		
W-830-60	RTN	13-Feb-01	< 5	U	< 5	U		
W-830-60	RTN	23-May-01	< 5	U	< 5	U		
W-830-60	RTN	24-Sep-01	< 0.75	LOU	< 0.75	LOU		
W-830-60	RTN	19-Dec-01	< 0.46	U	< 0.46	U		
W-830-60	RTN	12-Mar-02	< 0.88	HU	< 0.88	U		
W-830-1730	RTN	19-Mar-02	< 5	U	< 5	U		
W-830-1807	RTN	14-Aug-02	< 1.7	U	< 1.7	U		
W-830-1807	RTN	7-Apr-04	< 5	U	< 5	U		
W-830-1829	RTN	6-Nov-03	< 1.4	U	< 1.4	U		
W-830-1829	RTN	28-Jan-04	< 0.97	U	< 0.97	U		
W-830-1829	RTN	29-Apr-04	< 1	U	< 1	U		
W-830-1830	RTN	6-Nov-03	1.4		< 1.3	U		
W-830-1830	RTN	28-Jan-04	< 1	U	< 1	U		
W-830-1830	RTN	29-Apr-04	< 1	U	< 1	U		

Table A-4. High Explosives in ground water and surface water (ug/L), Building 832 Canyon OU.

			HMX ug/L		RDX ug/L		TNT ug/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-1831	RTN	10-Feb-04	< 0.93	U	< 0.93	UOL		
W-830-1831	RTN	26-Apr-04	< 0.98	U	< 0.98	U		
W-830-1832	RTN	10-Sep-03	< 2.1	U	< 2.1	U		
W-830-1832	RTN	10-Feb-04	< 0.93	U	< 0.93	UOL		
W-830-1832	RTN	26-Apr-04	< 0.95	U	< 0.95	U		
W-831-01	RTN	10-Dec-91	< 20	P	< 30	P	< 30	P
W-832-01	RTN	21-Nov-94	< 5	U	< 5	U	< 5	U
W-832-01	RTN	16-Mar-95	< 5	U	< 5	U	< 5	U
W-832-01	DUP	16-Mar-95	< 5	U	< 5	U	< 5	U
W-832-01	RTN	19-May-95	< 5	U	< 5	U		
W-832-01	RTN	20-Nov-00	< 5	U	< 5	U		
W-832-01	RTN	13-Feb-01	< 5	U	< 5	U		
W-832-01	DUP	13-Feb-01	< 1	U	< 1	U		
W-832-01	RTN	24-May-01	< 5	U	< 5	U		
W-832-01	RTN	13-Dec-01	< 1	U	< 1	U		
W-832-01	RTN	13-Dec-01	< 1.5	U	< 1.5	U		
W-832-01	RTN	18-Mar-02	< 1.2	U	< 1.2	U		
W-832-05	RTN	16-Nov-94	< 5	U	< 5	U	< 5	U
W-832-05	RTN	6-Dec-94	< 5	U	< 5	U	< 5	U
W-832-05	RTN	21-Dec-94	< 5	U	< 5	U	< 5	U
W-832-05	RTN	9-Mar-95	< 5	U	< 5	U	< 5	U
W-832-05	RTN	19-May-95	< 5	U	< 5	U		
W-832-05	RTN	21-Nov-00	< 5	U	< 5	U		
W-832-05	RTN	13-Feb-01	< 5	U	< 5	U		
W-832-05	RTN	24-May-01	< 5	U	< 5	U		
W-832-05	DUP	24-May-01	< 1	U	< 1	U		
W-832-05	DUP	14-Dec-01	< 2	LOU	< 1	U		
W-832-05	RTN	18-Mar-02	< 0.51	U	< 0.51	U		
W-832-05	RTN	18-Jun-02	< 1.6	LU	< 1.6	LU		
W-832-06	RTN	9-Mar-95	< 5	U	< 5	U	< 5	U
W-832-06	RTN	25-May-95	< 5	U	< 5	U		
W-832-06	RTN	25-May-95	< 10	U	< 15	U		
W-832-09	RTN	21-Nov-94	< 5	U	< 5	U	< 5	U
W-832-09	RTN	16-Mar-95	< 5	U	< 5	U	< 5	U
W-832-09	DUP	16-Mar-95	< 5	U	< 5	U	< 5	U
W-832-09	RTN	19-May-95	< 5	U	< 5	U		
W-832-09	RTN	13-Mar-01	< 5	U	< 5	U		
W-832-09	RTN	15-May-01	< 5	U	< 5	U		
W-832-09	RTN	13-Dec-01	< 1.5	U	< 1.5	U		
W-832-09	RTN	22-Mar-02	< 0.7	U	< 0.7	U		
W-832-10	RTN	15-Jun-98	< 5	U	< 5	U		
W-832-10	RTN	20-Nov-00	< 5	U	< 5	U		
W-832-10	RTN	15-Feb-01	< 5	U	< 5	U		
W-832-10	RTN	22-May-01	< 0.9	DU	< 0.9	DU		
W-832-10	RTN	11-Dec-01	< 0.44	U	< 0.44	U		
W-832-10	DUP	11-Dec-01	< 0.93	U	< 0.93	U		
W-832-10	RTN	22-Mar-02	< 0.6	U	< 0.6	U		
W-832-11	RTN	15-Jun-98	< 5	U	< 5	U		
W-832-11	RTN	20-Nov-00	< 5	U	< 5	U		
W-832-11	RTN	15-Feb-01	< 5	U	< 5	U		
W-832-11	RTN	22-May-01	< 1.6	DU	< 1.6	DU		
W-832-11	RTN	11-Dec-01	< 0.75	U	< 0.75	U		
W-832-11	RTN	22-Mar-02	< 0.28	U	< 0.28	U		
W-832-12	RTN	16-Mar-98	< 5	U	< 5	U		
W-832-12	RTN	5-Dec-00	< 5	U	< 5	U		
W-832-12	RTN	7-Mar-01	< 5	U	< 5	U		

Table A-4. High Explosives in ground water and surface water (ug/L), Building 832 Canyon OU.

			HMX ug/L		RDX ug/L		TNT ug/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-12	RTN	27-Jun-01	< 5	U	< 5	U		
W-832-12	RTN	25-Sep-01	< 5	U	< 5	U		
W-832-12	RTN	13-Dec-01	< 0.42	U	< 0.42	U		
W-832-12	RTN	15-Feb-02	9.4		< 5	U		
W-832-13	RTN	16-Mar-98	< 5	U	< 5	U		
W-832-13	RTN	7-Mar-01	< 5	U	< 5	U		
W-832-13	RTN	27-Jun-01	< 5	U	< 5	U		
W-832-13	RTN	13-Dec-01	< 1	U	< 1	U		
W-832-14	RTN	17-Mar-98	< 5	U	< 5	U		
W-832-15	RTN	16-Mar-98	< 5	U	< 5	U		
W-832-15	RTN	7-Mar-01	< 5	U	< 5	U		
W-832-15	RTN	27-Jun-01	< 5	U	< 5	U		
W-832-15	RTN	25-Sep-01	< 5	U	< 5	U		
W-832-15	RTN	13-Dec-01	< 1.4	U	< 1.4	U		
W-832-15	RTN	15-Feb-02	< 5	U	< 5	U		
W-832-15	RTN	23-Apr-02	< 5	U	< 5	U		
W-832-15	RTN	25-Jul-02	< 5	U	< 5	U		
W-832-15	RTN	17-Dec-03	< 5	DU				
W-832-16	RTN	16-Mar-98	< 5	U	< 5	U		
W-832-17	RTN	17-Mar-98	< 5	U	< 5	U		
W-832-18	RTN	24-Mar-98	< 5	U	< 5	U		
W-832-19	RTN	24-Mar-98	< 5	U	< 5	U		
W-832-19	RTN	21-Nov-00	< 5	U	< 5	U		
W-832-20	RTN	24-Mar-98	< 5	U	< 5	U		
W-832-21	RTN	24-Mar-98	< 5	U	< 5	U		
W-832-23	RTN	24-Mar-99	< 1	U	< 0.8	U		
W-832-23	RTN	21-Nov-00	< 5	U	< 5	U		
W-832-23	RTN	12-Feb-01	< 5	U	< 5	U		
W-832-23	RTN	23-May-01	< 5	U	< 5	U		
W-832-23	RTN	18-Dec-01	< 0.66	U	< 0.66	U		
W-832-23	RTN	18-Mar-02	< 1	U	< 1	U		
W-832-24	RTN	24-Mar-99	< 1	U	< 0.8	U		
W-832-24	RTN	21-Nov-00	< 5	U	< 5	U		
W-832-24	RTN	13-Feb-01	< 5	U	< 5	U		
W-832-24	RTN	23-May-01	< 5	U	< 5	U		
W-832-24	RTN	18-Sep-01	< 0.75	U	< 0.75	U		
W-832-24	RTN	11-Dec-01	< 1.2	U	< 1.2	U		
W-832-24	RTN	18-Mar-02	< 1.5	U	< 1.5	U		
W-832-25	RTN	15-Feb-00	< 5	U	< 5	U		
W-832-25	RTN	19-Dec-00	< 5	U	< 5	U		
W-832-25	RTN	15-Feb-01	< 5	U	< 5	U		
W-832-25	RTN	23-May-01	< 5	U	< 5	U		
W-832-25	RTN	25-Sep-01	< 0.75	LOU	< 0.75	LOU		
W-832-25	DUP	25-Sep-01	< 0.75	LOU	< 0.75	LOU		
W-832-25	RTN	11-Dec-01	< 1.3	U	< 1.3	U		
W-832-25	DUP	22-Mar-02	< 1.5	U	< 1.5	U		
W-832-25	RTN	22-Mar-02	< 0.64	U	< 0.64	U		
W-832-1927	RTN	11-Feb-04	< 0.97	U	< 0.97	UO		
W-832-1927	RTN	26-Apr-04	< 0.91	U	< 0.91	U		
W-870-01	RTN	18-Mar-98	< 5	U	< 5	U		
W-870-01	RTN	27-May-98	< 5	U	< 5	U		
W-870-02	DUP	18-Jun-97	< 0.38	DU	< 0.21	DU		
W-870-02	RTN	18-Jun-97	< 5	U	< 5	U		
W-870-02	RTN	13-Dec-00	< 5	U	< 5	U		
W-870-02	RTN	20-Feb-01	< 5	U	< 5	U		
W-870-02	RTN	31-May-01	< 5	U	< 5	U		

Table A-4. High Explosives in ground water and surface water (ug/L), Building 832 Canyon OU.

			HMX ug/L		RDX ug/L		TNT ug/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-870-02	RTN	25-Sep-01	< 5	U	< 5	U		
W-870-02	RTN	25-Sep-01	< 0.62	LOU	< 0.62	LOU		
W-870-02	RTN	14-Dec-01	< 0.86	UL	< 0.86	UL		
W-870-02	RTN	22-Mar-02	< 0.93	U	< 0.93	U		
W-880-01	RTN	24-Jan-96	< 5	U	< 5	U		
W-880-01	RTN	18-Jun-99	< 1	U	< 1	U		
W-880-01	RTN	14-Mar-03	< 5	U	< 5	U		
W-880-01	RTN	23-Jul-03	< 5	U	< 5	U		
W-880-01	RTN	17-Feb-04	< 5	OU	< 5	OU		
W-880-01	RTN	7-Jul-04	< 5	U	< 5	U		
W-880-02	RTN	29-Jan-96	< 5	U	< 5	U		
W-880-02	RTN	25-Jun-99	< 1	U	< 1	U		
W-880-02	RTN	14-Mar-03	< 5	U	< 5	U		
W-880-02	RTN	5-Feb-04	< 5	U	< 5	U		
W-880-03	RTN	24-Jan-96	< 5	U	< 5	U		
W-880-03	DUP	24-Jan-96	< 5	U	< 5	U		
W-880-03	RTN	14-Mar-03	< 5	U	< 5	U		
W-880-03	RTN	23-Jul-03	< 5	U	< 5	U		
W-880-03	RTN	17-Feb-04	< 5	OU	< 5	OU		
W-880-03	RTN	7-Jul-04	< 5	U	< 5	U		
SPRING3	RTN	14-Nov-91	< 20	P	< 30	P	< 30	P
SPRING3	RTN	3-Sep-93	< 20	U	< 30	U	< 30	U
SPRING3	RTN	20-Apr-94	< 10	U	< 10	U	< 5	U
SPRING3	RTN	24-Oct-95	< 5	U	< 5	U	< 5	U
SPRING3	RTN	24-Oct-95	< 13	U	< 14	U		
SPRING3	RTN	21-Jun-96	< 5	U	< 5	U		
SPRING3	RTN	21-Jun-96	< 5	U	< 5	U		
SPRING3	RTN	12-Dec-00	< 5	U	< 5	U		
SPRING3	RTN	21-Feb-01	< 5	U	< 5	U		
SPRING3	RTN	1-May-01	< 5	U	< 5	LOU		
SPRING3	DUP	1-May-01	< 5	U	< 5	LOU		
SPRING3	RTN	19-Sep-01	< 0.75	U	< 0.75	U		
SPRING3	RTN	17-Dec-01	< 1.2	U	< 1.2	U		
SPRING3	RTN	25-Mar-02	< 0.16	U	< 0.16	U		
SPRING4	RTN	20-Apr-94	< 10	U	< 10	U	< 5	U
SPRING4	RTN	31-Oct-95	< 5	U	< 5	U		
SPRING4	RTN	21-Jun-96	< 5	U	< 5	U		
SPRING4	RTN	1-Jun-00	< 5	OU	< 5	OU		

Table A-5. High Explosives in soil and rock (mg/kg), Building 832 Canyon OU.

				HMX mg/kg		RDX mg/kg		TNT mg/kg	
LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
830-23	2.3	BUD	30-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
830-23	6.0	BUD	30-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
830-23	10.5	BUD	30-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
830-23	15.3	BUD	30-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
830-23	27.3	BUD	1-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
830-23	27.3	DUP	1-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
830-23	31.3	BUD	1-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
830-24	1.3	BUD	5-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
830-24	6.3	BUD	5-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
830-24	11.5	BUD	5-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
830-24	17.0	BUD	5-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
830-24	17.0	DUP	5-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
830-24	21.0	BUD	6-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
830-24	26.3	BUD	6-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
830-24	31.3	BUD	6-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
832-02	1.8	BUD	26-Sep-94	0.13	H	< 0.2	UH	< 0.2	UH
832-02	6.0	BUD	26-Sep-94	0.18	H	< 0.2	UH	< 0.2	UH
832-02	11.0	BUD	26-Sep-94	0.14	H	< 0.2	UH	< 0.2	UH
832-02	11.3	BUD	26-Sep-94	0.18	H	< 0.2	UH	< 0.2	UH
832-02	16.3	BUD	27-Sep-94	0.1	H	< 0.2	UH	< 0.2	UH
832-02	21.0	BUD	27-Sep-94	< 0.1	UH	< 0.2	UH	< 0.2	UH
832-02	26.0	BUD	27-Sep-94	< 0.1	UH	< 0.2	UH	< 0.2	UH
832-02	31.0	BUD	27-Sep-94	< 0.1	UH	< 0.2	UH	< 0.2	UH
832-03	2.0	BUD	4-Oct-94	0.06	H	< 0.1	UH	< 0.1	UH
832-03	2.3	BUD	4-Oct-94	0.05	H	< 0.1	UH	< 0.1	UH
832-03	6.0	BUD	4-Oct-94	0.08	H	< 0.1	UH	< 0.1	UH
832-03	11.0	BUD	4-Oct-94	0.08	H	< 0.1	UH	< 0.1	UH
832-03	16.0	BUD	4-Oct-94	0.08	H	< 0.1	UH	< 0.1	UH
832-03	20.8	BUD	4-Oct-94	0.04	H	< 0.1	UH	< 0.1	UH
832-03	26.0	BUD	5-Oct-94	0.04	H	< 0.1	UH	< 0.1	UH
832-03	31.0	BUD	5-Oct-94	0.04	H	< 0.1	UH	< 0.1	UH
832-04	1.8	BUD	6-Oct-94	0.04	H	< 0.1	UH	< 0.1	UH
832-04	6.0	BUD	6-Oct-94	< 0.04	UH	< 0.1	UH	< 0.1	UH
832-04	11.3	BUD	6-Oct-94	0.04	H	< 0.1	UH	< 0.1	UH
832-04	16.3	BUD	6-Oct-94	0.04	H	< 0.1	UH	< 0.1	UH
832-04	21.0	BUD	7-Oct-94	< 0.04	UH	< 0.1	UH	< 0.1	UH
832-04	26.0	BUD	7-Oct-94	< 0.04	UH	< 0.1	UH	< 0.1	UH
832-04	31.0	BUD	7-Oct-94	< 0.04	UH	< 0.1	UH	< 0.1	UH
832-07	5.5	BUD	28-Sep-94	0.2	H	< 0.2	UH	< 0.2	UH
832-07	10.8	BUD	28-Sep-94	0.11	H	< 0.2	UH	< 0.2	UH
832-07	16.8	BUD	29-Sep-94	0.18	H	< 0.1	UH	< 0.1	UH
832-07	21.0	BUD	29-Sep-94	0.06	H	< 0.1	UH	< 0.1	UH
832-07	26.0	BUD	29-Sep-94	0.07	H	< 0.1	UH	< 0.1	UH
832-07	31.0	BUD	29-Sep-94	0.05	H	< 0.1	UH	< 0.1	UH
832-08	1.5	BUD	28-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
832-08	5.0	BUD	28-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
832-08	10.0	BUD	28-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
832-08	15.0	BUD	28-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
832-08	20.5	BUD	28-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
832-08	25.5	BUD	28-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
832-08	30.0	BUD	28-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
832-08	40.0	BUD	28-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
832-08	45.0	BUD	29-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
832-08	50.0	BUD	29-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
832-08	55.5	BUD	29-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU

Table A-5. High Explosives in soil and rock (mg/kg), Building 832 Canyon OU.

				HMX mg/kg		RDX mg/kg		TNT mg/kg	
LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
B-830-1730	20.0	BUD	15-Oct-01	< 0.2	U	< 0.2	LU		
B-830-1730	25.0	BUD	15-Oct-01	< 0.2	U	< 0.2	LU		
B-830-1730	30.0	BUD	15-Oct-01	< 0.2	U	< 0.2	LU		
B-830-1730	35.0	BUD	15-Oct-01	< 0.2	U	< 0.2	LU		
B-830-1730	40.0	BUD	19-Oct-01	< 0.2	UL	< 0.2	UL		
B-830-1730	45.0	BUD	19-Oct-01	< 0.2	UL	< 0.2	UL		
B-830-1807	4.5	BUD	6-Aug-02	< 0.3	U	< 0.3	U		
B-830-1807	10.0	BUD	6-Aug-02	< 0.3	U	< 0.3	U		
B-830-1829	5.0	BUD	19-Aug-02	< 0.3	U	< 0.3	OU		
B-830-1829	10.0	BUD	19-Aug-02	< 0.3	U	< 0.3	OU		
B-830-1830	6.5	BUD	28-Aug-02	< 0.3	U	< 0.3	OU		
B-830-1830	10.5	BUD	28-Aug-02	< 0.6	U	< 0.6	OU		
B-830-1831	10.0	BUD	10-Sep-02	< 0.3	U	< 0.3	U		
B-830-1831	20.0	BUD	10-Sep-02	< 0.3	U	< 0.3	U		
B-832-1927	25.0	BUD	5-Mar-03	< 0.3	U	< 0.3	U		
B-832-1927	36.4	BUD	5-Mar-03	< 0.3	U	< 0.3	U		
W-4C	104.0	BSS	6-Aug-91	< 0.001	P	< 0.001	P	< 0.001	P
W-4C	112.8	BSS	6-Aug-91	< 0.001	P	< 0.001	P	< 0.001	P
W-4C	122.5	BSS	6-Aug-91	< 0.001	P	< 0.001	P	< 0.001	P
W-4C	131.0	BSS	6-Aug-91	< 0.001	P	< 0.001	P	< 0.001	P
W-4C	140.3	BSS	6-Aug-91	< 0.001	P	< 0.001	P	< 0.001	P
W-4C	150.3	BSS	7-Aug-91	< 0.001	P	< 0.001	P	< 0.001	P
W-4C	158.0	BSS	7-Aug-91	< 0.001	P	< 0.001	P	< 0.001	P
W-4C	171.8	BSS	7-Aug-91	< 0.001	P	< 0.001	P	< 0.001	P
W-814-04	107.0	BSS	21-Nov-90	< 0.001	P	< 0.001	P	< 0.001	P
W-814-04	122.4	BSS	21-Nov-90	< 0.001	P	< 0.001	P	< 0.001	P
W-814-04	126.8	BSS	21-Nov-90	< 0.001	P	< 0.001	P	< 0.001	P
W-814-04	138.0	BSS	27-Nov-90	< 0.001	P	< 0.001	P	< 0.001	P
W-814-04	146.8	BSS	27-Nov-90	< 0.001	P	< 0.001	P	< 0.001	P
W-814-04	156.0	BSS	27-Nov-90	< 0.001	P	< 0.001	P	< 0.001	P
W-814-04	166.8	BSS	27-Nov-90	< 0.001	P	< 0.001	P	< 0.001	P
W-814-04	175.6	BSS	27-Nov-90	< 0.001	P	< 0.001	P	< 0.001	P
W-830-12	1.5	BUD	30-Aug-94	< 0.005	UH	< 0.02	UH	< 0.02	UH
W-830-12	7.0	BUD	30-Aug-94	< 0.005	UH	< 0.02	UH	< 0.02	UH
W-830-12	16.2	BUD	30-Aug-94	< 0.005	UH	< 0.02	UH	< 0.02	UH
W-830-12	16.3	DUP	30-Aug-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-12	20.4	BUD	30-Aug-94	< 0.005	UH	< 0.02	UH	< 0.02	UH
W-830-12	43.3	BUD	31-Aug-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-12	47.0	BUD	31-Aug-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-13	0.0	DUP	8-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-830-13	0.0	BUD	8-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-830-13	0.0	BUD	8-Nov-94	0.2	H	< 0.1	UH	< 0.1	UH
W-830-13	0.0	DUP	8-Nov-94	0.07	H	< 0.1	UH	< 0.1	UH
W-830-13	13.7	BUD	8-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-830-13	18.5	BUD	9-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-830-13	18.5	DUP	9-Nov-94	0.1	H	< 0.1	UH	< 0.1	UH
W-830-13	20.3	BUD	9-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-830-13	20.5	BUD	9-Nov-94	0.04	H	< 0.1	UH	< 0.1	UH
W-830-13	25.3	BUD	9-Nov-94	< 0.03	UH	< 0.1	UH	< 0.1	UH
W-830-13	30.8	BUD	9-Nov-94	< 0.03	UH	< 0.1	UH	< 0.1	UH
W-830-13	38.0	BUD	9-Nov-94	0.05	H	< 0.1	UH	< 0.1	UH
W-830-13	41.5	BUD	10-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-830-13	42.9	BUD	10-Nov-94	0.04	H	< 0.1	UH	< 0.1	UH
W-830-13	45.1	BUD	10-Nov-94	0.04	H	< 0.1	UH	< 0.1	UH
W-830-13	51.9	BUD	10-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU

Table A-5. High Explosives in soil and rock (mg/kg), Building 832 Canyon OU.

				HMX mg/kg		RDX mg/kg		TNT mg/kg	
LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-13	53.1	BUD	10-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-830-13	53.1	DUP	10-Nov-94	0.06	H	< 0.1	UH	< 0.1	UH
W-830-14	60.1	BUD	28-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-830-14	72.6	BUD	29-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-830-14	80.2	BUD	1-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-14	89.6	BUD	1-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-14	101.4	BUD	1-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-15	1.5	BUD	8-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-15	5.3	BUD	8-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-15	10.5	BUD	8-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-15	108.7	BUD	14-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-15	108.7	DUP	14-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-15	116.7	BUD	14-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-15	126.2	BUD	14-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-15	146.3	BUD	14-Dec-94	< 0.2	U	< 0.15	U	< 0.1	U
W-830-16	0.0	BUD	3-Oct-95	< 0.2	U	< 0.15	U		
W-830-16	4.3	BUD	3-Oct-95	< 0.2	U	< 0.15	U	< 0.1	U
W-830-18	19.0	BUD	3-Apr-96	< 0.2	U	< 0.15	ULO		
W-830-18	51.9	BUD	4-Apr-96	< 0.2	U	< 0.15	U		
W-830-19	16.3	BUD	3-Jun-96	< 0.2	U	< 0.15	U		
W-830-19	21.9	BUD	4-Jun-96	< 0.2	U	< 0.15	U		
W-830-19	26.3	BUD	5-Jun-96	< 0.2	U	< 0.15	U		
W-830-19	32.5	BUD	5-Jun-96	< 0.2	U	< 0.15	U		
W-830-19	36.4	BUD	5-Jun-96	< 0.2	U	< 0.15	U		
W-830-19	41.5	BUD	6-Jun-96	< 0.2	U	< 0.15	U		
W-830-19	41.8	DUP	6-Jun-96	< 0.1	U	< 0.1	U		
W-830-20	0.0	BUD	13-Jun-96	< 0.2	U	< 0.15	U		
W-830-20	7.8	BUD	13-Jun-96	< 0.2	U	< 0.15	U		
W-830-25	0.0	BUD	6-Aug-96	< 0.2	U	< 0.15	U		
W-830-25	6.3	BUD	6-Aug-96	< 0.2	U	< 0.15	U		
W-830-25	11.7	BUD	6-Aug-96	< 0.2	U	< 0.15	U		
W-830-50	5.0	BUD	11-Feb-99	< 0.2	U	< 0.15	UL	< 0.1	U
W-830-50	10.0	BUD	11-Feb-99	< 0.2	U	< 0.15	UL	< 0.1	U
W-830-51	5.0	BUD	3-Mar-99	< 0.2	UL			< 0.1	UH
W-830-51	10.0	BUD	3-Mar-99	< 0.2	UL			< 0.1	UH
W-830-52	5.0	BUD	17-Mar-99	< 0.25	U	< 0.25	U		
W-830-52	8.7	BUD	17-Mar-99	< 0.25	U	< 0.25	U		
W-830-53	5.0	BUD	19-Apr-99	< 0.08	U	< 0.08	UL		
W-830-53	10.5	BUD	19-Apr-99	< 0.08	U	< 0.08	UL		
W-830-54	5.0	BUD	3-May-99	< 80	UL				
W-830-54	10.0	BUD	3-May-99	< 80	UL				
W-830-55	5.0	BUD	18-May-99	< 0.08	LOU	< 0.08	LOU		
W-830-55	10.0	BUD	18-May-99	< 0.08	LOU	< 0.08	LOU		
W-830-56	10.0	BUD	3-Jun-99	< 80	LOU	< 80	UO		
W-830-57	5.3	BUD	11-Nov-99	< 0.2	U	< 0.2	U		
W-830-57	10.3	BUD	11-Nov-99	< 0.2	U	< 0.2	U		
W-830-58	5.3	BUD	2-Dec-99	< 0.2	U	< 0.2	U		
W-830-58	10.3	BUD	2-Dec-99	< 0.2	U	< 0.2	U		
W-830-59	5.3	BUD	1-Mar-00	< 0.2	U	< 0.2	U		
W-830-59	10.0	BUD	1-Mar-00	< 0.2	U	< 0.2	U		
W-830-60	5.0	BUD	23-Feb-00	< 0.2	U	< 0.2	U		
W-830-60	10.0	BUD	23-Feb-00	< 0.2	U	< 0.2	U		
W-832-01	1.3	BUD	17-Aug-94	< 0.005	UH	< 0.02	UH	< 0.02	UH
W-832-01	6.0	BUD	18-Aug-94	< 0.005	UH	< 0.02	UH	< 0.02	UH
W-832-01	16.5	BUD	18-Aug-94	< 0.005	UH	< 0.02	UH	< 0.02	UH

Table A-5. High Explosives in soil and rock (mg/kg), Building 832 Canyon OU.

				HMX mg/kg		RDX mg/kg		TNT mg/kg	
LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-05	1.3	BUD	10-Oct-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-832-05	1.5	BUD	10-Oct-94	< 0.04	UH	< 0.1	UH	< 0.1	UH
W-832-05	5.8	BUD	10-Oct-94	< 0.04	UH	< 0.1	UH	< 0.1	UH
W-832-05	10.8	BUD	10-Oct-94	< 0.04	UH	< 0.1	UH	< 0.1	UH
W-832-05	15.3	BUD	10-Oct-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-832-05	16.0	BUD	10-Oct-94	< 0.04	UH	< 0.1	UH	< 0.1	UH
W-832-05	21.0	BUD	10-Oct-94	< 0.04	UH	< 0.1	UH	< 0.1	UH
W-832-05	25.5	BUD	10-Oct-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-832-05	26.0	BUD	10-Oct-94	< 0.04	UH	< 0.1	UH	< 0.1	UH
W-832-05	35.5	BUD	11-Oct-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-832-06	2.0	BUD	21-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
W-832-06	6.0	BUD	21-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
W-832-06	10.5	BUD	21-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
W-832-06	21.0	BUD	21-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
W-832-06	26.3	BUD	21-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
W-832-06	31.3	BUD	21-Nov-94	< 0.2	U	< 0.15	U	< 0.1	U
W-832-06	35.8	BUD	21-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-832-06	40.0	BUD	21-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-832-06	45.2	BUD	21-Nov-94	< 0.2	HU	< 0.15	HU	< 0.1	HU
W-832-23	5.8	BUD	23-Nov-98	< 0.2	U	< 0.15	UL	< 0.1	HUL
W-832-23	10.5	BUD	23-Nov-98	< 0.2	U	< 0.15	UL	< 0.1	HUL
W-832-23	15.5	BUD	23-Nov-98	< 0.2	U	< 0.15	UL	< 0.1	HUL
W-832-23	20.5	BUD	24-Nov-98	< 0.2	U	< 0.15	UL	< 0.1	UHL
W-832-23	25.2	BUD	24-Nov-98	< 0.2	U	< 0.15	UL	< 0.1	UHL
W-832-23	30.2	BUD	24-Nov-98	< 0.2	U	< 0.15	UL	< 0.1	UHL
W-832-23	35.9	BUD	24-Nov-98	< 0.2	U	< 0.15	UL	< 0.1	UHL
W-832-23	40.7	BUD	24-Nov-98	< 0.2	U	< 0.15	UL	< 0.1	UHL
W-832-23	45.2	BUD	24-Nov-98	< 0.2	U	< 0.15	UL	< 0.1	UHL
W-832-23	50.0	BUD	24-Nov-98	< 0.2	U	< 0.15	UL	< 0.1	UHL
W-832-23	55.8	BUD	24-Nov-98	< 0.2	U	< 0.15	UL	< 0.1	UHL
W-832-24	5.0	BUD	22-Dec-98	< 0.2	U	< 0.15	UL	< 0.1	HU
W-832-24	10.0	BUD	22-Dec-98	< 0.2	U	< 0.15	UL	< 0.1	HU
W-832-25	6.0	BUD	2-Feb-99	< 0.2	UL	< 0.15	UL	< 0.1	HU
W-832-25	11.0	BUD	2-Feb-99	< 0.2	UL	< 0.15	UL	< 0.1	HU
W-880-01	2.0	BUD	25-Oct-95	< 0.2	U	< 0.15	U	< 0.1	U
3SS-21-01	0.0	RTN	17-Sep-91	< 0.001	P	< 0.001	P	< 0.001	P
3SS-33-02	0.0	RTN	27-Sep-91	< 0.001	P	< 0.001	P	< 0.001	P
3SS-830-01	0.0	DUP	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-830-01	0.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-830-01	1.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-830-02	0.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-830-02	1.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-830-03	0.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-830-03	1.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-830-04	0.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-830-04	1.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-832-01	0.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-832-01	1.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-832-02	0.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-832-02	1.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-832-03	0.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-832-03	1.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-832-04	0.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		
3SS-832-04	1.0	BUD	15-Oct-96	< 0.2	U	< 0.15	U		

Table A-6. Tritium in ground water and surface water (pCi/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Tritium Activity pCi/L				FLAG
				RESULT		ERROR	
W-35B-01	RTN	20-Nov-97	<	95	±	57	U
W-35C-06	RTN	21-Mar-00		55.6	±	4.2	
W-830-04A	RTN	24-Mar-95	<	82.4	±	24.3	U
W-830-04A	RTN	12-May-95	<	90	±	26.8	U
W-830-05	RTN	24-Mar-95	<	92	±	27.7	U
W-830-05	RTN	12-May-95	<	90	±	27.2	U
W-830-09	RTN	24-Mar-95	<	92	±	27.2	U
W-830-09	RTN	16-May-95	<	90	±	27.1	U
W-830-10	RTN	24-Mar-95	<	95.6	±	28.5	U
W-830-10	RTN	12-May-95	<	90	±	27.2	U
W-830-11	RTN	24-Mar-95	<	92	±	27.6	U
W-830-11	RTN	12-May-95	<	90	±	26.9	U
W-830-12	RTN	8-Mar-95	<	90.7	±	26.9	U
W-830-12	RTN	16-May-95	<	90	±	26.8	U
W-830-13	RTN	16-Mar-95	<	91	±	27	U
W-830-13	RTN	12-May-95	<	90	±	26.9	U
W-830-14	RTN	16-Mar-95	<	90.7	±	27	U
W-830-14	RTN	18-May-95	<	82.3	±	24.7	U
W-830-14	DUP	18-May-95	<	79.5	±	24.2	U
W-830-15	RTN	16-Mar-95	<	90.7	±	27	U
W-830-15	RTN	16-May-95	<	90	±	27	U
W-830-16	RTN	25-Jan-96	<	90.4	±	27.3	U
W-830-17	RTN	25-Jan-96	<	90.4	±	27.1	U
W-830-20	RTN	24-Sep-96	<	100	±	58	U
W-830-21	RTN	19-Sep-96	<	110	±	61	OU
W-830-22	RTN	20-Sep-96	<	99	±	55	U
W-830-26	RTN	20-Sep-96	<	100	±	60	U
W-830-27	RTN	19-Sep-96	<	110	±	58	OU
W-830-28	RTN	23-Sep-96	<	100	±	59	OU
W-830-30	RTN	11-Mar-97		131	±	63	
W-830-34	RTN	11-Mar-97	<	100	±	60	U
W-830-34	RTN	16-Mar-00		19	±	2.2	
W-830-49	RTN	15-Jun-98	<	131	±	77.6	U
W-830-49	RTN	16-Mar-00		13	±	1.9	
W-830-50	RTN	1-Apr-99	<	100	±	63.5	U
W-830-50	RTN	14-Sep-99	<	100	±	52	U
W-830-50	RTN	15-Mar-00	<	2.6	±	1.6	U
W-830-51	RTN	10-Sep-99	<	100	±	52	U
W-830-52	RTN	15-Feb-00	<	100	±	55	U
W-830-52	RTN	15-Mar-00		4.2	±	1.6	
W-830-53	RTN	15-Feb-00	<	100	±	54	U
W-830-54	RTN	18-Feb-00	<	100	±	52	U
W-830-55	RTN	18-Feb-00	<	100	±	54	U
W-830-56	RTN	11-Feb-00	<	100	±	55	U
W-830-57	RTN	30-Mar-00	<	100	±	53	U
W-830-58	RTN	31-Mar-00	<	100	±	56	U
W-830-59	RTN	24-Aug-00	<	100	±	53	U
W-830-60	RTN	30-Jun-00	<	100	±	55	U

Table A-6. Tritium in ground water and surface water (pCi/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Tritium Activity pCi/L				FLAG
				RESULT		ERROR	
W-830-1730	RTN	19-Mar-02	<	100	±	0	U
W-830-1829	DUP	30-Jun-03	<	110	±	65	U
W-830-1829	RTN	30-Jun-03	<	100	±	59	U
W-830-1829	RTN	6-Nov-03	<	200	±	57	U
W-830-1829	RTN	28-Jan-04	<	100	±	59	U
W-830-1830	RTN	30-Jun-03	<	104	±	62	U
W-830-1830	RTN	6-Nov-03	<	200	±	58	U
W-830-1830	RTN	28-Jan-04	<	104	±	62	U
W-830-1831	RTN	10-Feb-04	<	100	±	55	U
W-830-1832	RTN	10-Sep-03	<	100	±	53	U
W-830-1832	RTN	10-Feb-04	<	100	±	53	U
W-832-01	RTN	16-Mar-95	<	90.7	±	26.8	U
W-832-01	RTN	17-May-95	<	82.3	±	25.1	U
W-832-01	DUP	15-Mar-00		8.9	±	1.9	
W-832-01	RTN	15-Mar-00		7.3	±	1.9	
W-832-05	RTN	9-Mar-95	<	85	±	25.7	U
W-832-05	RTN	17-May-95	<	82.3	±	25	U
W-832-05	RTN	15-Mar-00		11.2	±	1.9	
W-832-06	RTN	9-Mar-95	<	85	±	25.5	U
W-832-06	RTN	25-May-95	<	250	±	200	LUH
W-832-06	RTN	25-May-95	<	260	±	210	ULH
W-832-09	RTN	16-Mar-95	<	92	±	27.4	U
W-832-09	RTN	17-May-95	<	82.3	±	24.7	U
W-832-10	RTN	15-Jun-98	<	131	±	78.1	U
W-832-11	RTN	15-Jun-98	<	131	±	78.6	U
W-832-12	RTN	16-Mar-98	<	106	±	61.8	U
W-832-13	RTN	16-Mar-98	<	105	±	59.7	U
W-832-13	RTN	23-Mar-00		8.6	±	1.9	
W-832-14	RTN	17-Mar-98	<	106	±	61.3	U
W-832-15	RTN	16-Mar-98	<	108	±	62.6	U
W-832-16	RTN	16-Mar-98	<	104	±	60.5	U
W-832-17	RTN	17-Mar-98	<	106	±	61.3	U
W-832-18	RTN	24-Mar-98	<	204	±	114	U
W-832-18	REA	24-Mar-98	<	131	±	76.6	U
W-832-19	RTN	24-Mar-98	<	205	±	113	U
W-832-19	REA	24-Mar-98	<	135	±	77.5	U
W-832-19	RTN	15-Mar-00		10.5	±	1.9	
W-832-20	RTN	24-Mar-98	<	205	±	112	U
W-832-20	REA	24-Mar-98	<	131	±	76.2	U
W-832-21	RTN	24-Mar-98	<	204	±	114	U
W-832-21	REA	24-Mar-98	<	138	±	79.9	U
W-832-23	RTN	24-Mar-99	<	100	±	55.9	U
W-832-24	RTN	24-Mar-99	<	100	±	56.4	U
W-832-25	RTN	15-Feb-00	<	100	±	55	U
W-832-25	RTN	21-Mar-00		13.7	±	1.9	
W-832-1927	RTN	11-Feb-04	<	100	±	56	U
W-870-01	RTN	18-Mar-98	<	108	±	62	U
W-870-01	RTN	27-May-98	<	152	±	87.5	U

Table A-6. Tritium in ground water and surface water (pCi/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Tritium Activity pCi/L	RESULT		ERROR	FLAG
W-870-02	DUP	18-Jun-97		300	±	200	BH
W-870-02	DUP	18-Jun-97	<	86	±	48	U
W-870-02	RTN	13-Dec-00	<	100	±	56	U
W-870-02	RTN	14-Dec-01	<	100	±	58	U
W-880-01	RTN	24-Jan-96	<	90.4	±	26.8	U
W-880-02	RTN	26-Jan-96	<	90.4	±	26.7	U
W-880-03	RTN	24-Jan-96	<	90.4	±	27.3	U
W-880-03	DUP	24-Jan-96	<	90.4	±	27.3	U
SPRING3	RTN	3-Sep-93	<	96	±	28	U
SPRING3	RTN	20-Apr-94	<	93.5	±	27.9	U
SPRING3	RTN	24-Oct-95	<	91	±	27	U
SPRING3	RTN	24-Oct-95	<	160	±	120	U
SPRING3	RTN	21-Jun-96	<	129	±	0	U
SPRING4	RTN	20-Apr-94	<	90.1	±	27	U
SPRING4	RTN	31-Oct-95	<	91	±	27	U
SPRING4	RTN	1-Jun-00	<	100	±	49	U
SPRING4	RTN	1-Jun-00		3.2	±	1.3	

Table A-7. Tritium in soil and rock (pCi/g), Building 832 Canyon OU.

				Tritium (pCi/g)			
LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	RESULT		ERROR	FLAG
W-830-18	17.5	BUD	3-Apr-96	< 1	±	1	U
W-830-18	52.5	BUD	4-Apr-96	< 1	±	1	U
W-830-18	101.5	BUD	10-Apr-96	< 1	±	1	U
W-830-19	16.6	BUD	3-Jun-96	< 1	±	1	U
W-830-19	22.2	BUD	4-Jun-96	< 1	±	1	U
W-830-19	26.6	BUD	5-Jun-96	< 1	±	1	U
W-830-19	32.8	BUD	5-Jun-96	< 1	±	1	U
W-830-19	36.7	BUD	5-Jun-96	< 1	±	1	U
W-830-19	40	BUD	6-Jun-96	< 1	±	1	U
W-832-01	0	BUD	17-Aug-94	< 0.53	±	0.27	U
W-832-01	5	BUD	18-Aug-94	< 0.54	±	0.27	U
W-832-01	15	BUD	18-Aug-94	< 0.49	±	0.27	U

Table A-8. Tritium in soil moisture (pCi/L), Building 832.

				Tritium (pCi/L)				Moisture by Weight (percent)	
LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	RESULT	ERROR	FLAG	RESULT	FLAG
830-23	2.0	BUD	30-Nov-94	< 193	± 59	U	21	
830-23	6.5	BUD	30-Nov-94	< 193	± 59	U	19	
830-23	11.1	BUD	30-Nov-94	< 200	± 61	U	13	
830-23	17.3	BUD	30-Nov-94	< 182	± 54	U	22	
830-24	1.8	BUD	5-Dec-94	< 146	± 44	U	12	
830-24	5.3	BUD	5-Dec-94	< 128	± 39	U	22	
830-24	11.0	BUD	5-Dec-94	< 151	± 46	U	30	
830-24	16.0	BUD	5-Dec-94	< 141	± 43	U	19	
830-23	26.3	BUD	1-Dec-94	< 137	± 41	U	25	
830-23	30.0	BUD	1-Dec-94	< 141	± 43	U	25	
830-23	36.0	BUD	1-Dec-94	< 141	± 43	U	24	
830-23	36.0	DUP	1-Dec-94	< 146	± 44	U	25	
830-24	25.5	BUD	6-Dec-94	< 146	± 44	U	25	
830-24	30.5	BUD	6-Dec-94	< 151	± 46	U	29	
830-24	21.3	BUD	6-Dec-94	< 151	± 46	U	28	
W-830-19	43.0	DUP	6-Jun-96	< 150	± 0	U	20.68	
W-830-18	51.5	BUD	4-Apr-96	< 170	± 130	UO	17	
W-830-18	101.2	BUD	10-Apr-96	< 170	± 130	UO	17	
W-830-18	5.2	BUD	3-Apr-96	< 160	± 120	UO	16	
W-830-18	10.0	BUD	3-Apr-96	< 180	± 120	UO	18	
W-830-18	17.0	BUD	3-Apr-96	< 170	± 130	UO	25	
W-830-19	25.2	BUD	5-Jun-96	< 81	± 47	U	19	
W-830-19	30.6	BUD	5-Jun-96	< 79	± 50	U	17	
W-830-19	35.0	BUD	5-Jun-96	< 79	± 49	UO	17	
W-830-19	21.0	BUD	4-Jun-96	< 84	± 51	UO	21	
W-830-19	15.4	BUD	3-Jun-96	< 80	± 49	UO	18	
W-830-19	42.1	BUD	6-Jun-96	< 80	± 44	UO	20	
W-830-25	0.0	BUD	6-Aug-96	< 170	± 92	UO	5.7	
W-830-25	5.0	BUD	6-Aug-96	< 170	± 94	UO	15	
W-830-25	10.7	BUD	6-Aug-96	< 180	± 100	UO	16	
W-830-18	52.5	BUD	4-Apr-96				10	
W-830-12	0.2	BUD	30-Aug-94	6970	± 150		24.12	
W-830-12	5.0	BUD	30-Aug-94	5370	± 123		25.33	
W-830-12	14.5	BUD	30-Aug-94	2750	± 100		14.91	
W-830-13	0.0	BUD	8-Nov-94	< 193	± 59	U	11	
W-830-13	46.2	BUD	10-Nov-94	< 193	± 61	U	17	
W-830-13	52.6	BUD	10-Nov-94	209	± 62		13	
W-830-13	42.4	BUD	10-Nov-94	< 200	± 64	U	18	
W-830-13	28.7	BUD	9-Nov-94	201	± 64		13	
W-830-13	31.6	BUD	9-Nov-94	280	± 63		13	
W-830-13	37.5	BUD	9-Nov-94	< 193	± 61	U	17	
W-830-13	19.0	BUD	9-Nov-94	< 200	± 63	U	10	
W-830-13	20.7	BUD	9-Nov-94	< 161	± 50	U	6	
W-830-15	6.1	BUD	8-Dec-94	< 151	± 46	U	18	
W-830-16	0.0	BUD	3-Oct-95	< 193	± 58	U		
W-830-16	4.8	BUD	3-Oct-95	< 163	± 48	U		
W-830-16	10.0	BUD	3-Oct-95	< 135	± 40	U		
832-02	1.0	BUD	26-Sep-94	< 204	± 64	U	16	
832-02	5.0	BUD	26-Sep-94	539	± 71	B	21	
832-02	10.0	BUD	26-Sep-94	< 210	± 62	U	23	
832-02	15.0	BUD	27-Sep-94	< 233	± 69	U	20	
832-02	20.0	BUD	27-Sep-94	< 225	± 68	U	26	
832-02	25.0	BUD	27-Sep-94	< 217	± 65	U	20	
832-02	30.0	BUD	27-Sep-94	< 210	± 63	U	18	
832-07	1.0	BUD	28-Sep-94	< 210.6	± 64	U	17	
832-07	5.0	BUD	28-Sep-94	< 196	± 60	U	14	
832-07	10.0	BUD	28-Sep-94	< 196	± 61	U	16	
832-04	1.0	BUD	6-Oct-94	< 191	± 60	U	15	
832-04	5.0	BUD	6-Oct-94	< 191	± 60	U	15	
832-04	10.0	BUD	6-Oct-94	< 185	± 58	U	19	
832-04	15.0	BUD	6-Oct-94	< 185	± 57	U	20	
832-07	15.0	BUD	29-Sep-94	< 185	± 58	U	21	
832-07	20.0	BUD	29-Sep-94	< 247	± 74	U	18	
832-07	25.0	BUD	29-Sep-94	< 224	± 67	U	25	

Table A-8. Tritium in soil moisture (pCi/L), Building 832.

				Tritium (pCi/L)				Moisture by Weight (percent)	
LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	RESULT	ERROR	FLAG	RESULT	FLAG
832-07	30.0	BUD	29-Sep-94	< 224	± 69	U	19	
832-04	20.0	BUD	7-Oct-94	< 209	± 65	U	21	
832-04	25.0	BUD	7-Oct-94	< 196	± 61	U	25	
832-04	30.0	BUD	7-Oct-94	< 209	± 65	U	27	
832-03	25.5	BUD	5-Oct-94	< 209	± 63	U	34	
832-03	30.0	BUD	5-Oct-94	< 209	± 64	U	21	
832-03	1.3	BUD	4-Oct-94	< 190	± 58	U	16	
832-03	5.0	BUD	4-Oct-94	< 202	± 61	U	12	
832-03	10.0	BUD	4-Oct-94	< 209	± 63	U	15	
832-03	15.0	BUD	4-Oct-94	< 202	± 61	U	22	
832-03	1.3	DUP	4-Oct-94	< 209	± 63	U	15	
832-03	20.0	BUD	4-Oct-94	< 216	± 65	U	18	
832-08	1.0	BUD	28-Nov-94	< 98.2	± 30.5	U	14	
832-08	6.0	BUD	28-Nov-94	< 101	± 31	U	14	
832-08	11.0	BUD	28-Nov-94	282	± 65	B	12	
832-08	16.0	BUD	28-Nov-94	606	± 69	B	17	
832-08	21.0	BUD	28-Nov-94	< 199	± 60	U	14	
832-08	26.0	BUD	28-Nov-94	146	± 33	B	15	
832-08	31.0	BUD	28-Nov-94	768	± 71	B	16	
W-832-05	1.0	BUD	10-Oct-94	< 202	± 62	U	20	
W-832-05	10.0	BUD	10-Oct-94	< 224	± 70	U	17	
W-832-05	15.0	BUD	10-Oct-94	< 209	± 65	U	16	
W-832-05	20.0	BUD	10-Oct-94	< 209	± 65	U	20	
W-832-05	25.0	BUD	10-Oct-94	< 216	± 66	U	23	
W-832-05	30.0	BUD	10-Oct-94	< 224	± 69	U	20	
W-832-06	1.3	BUD	21-Nov-94	< 193	± 60	U	19	
W-832-06	5.3	BUD	21-Nov-94	< 200	± 64	U	25	
W-832-06	20.3	BUD	21-Nov-94	< 200	± 61	U	22	
W-832-06	25.8	BUD	21-Nov-94	< 193	± 58	U	23	
W-832-06	30.8	BUD	21-Nov-94	< 193	± 59	U	22	
W-880-01	2.3	BUD	25-Oct-95	< 190	± 55	U	10	
3SS-21-02	0.0	RTN	18-Sep-91	144	± 261	P	4.4	P

Table A-9. Gross alpha/gross beta in ground water and surface water (pCi/L), Building 832 Canyon OU.

			Gross Alpha pCi/L			Gross Beta pCi/L		
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	ERROR	FLAG	RESULT	ERROR	FLAG
W-35B-01	RTN	20-Nov-97	< 7.6	± 4.8	U	< 7.6	± 4.6	U
W-830-10	RTN	24-Feb-98	15	± 4		< 13	± 8	U
W-830-12	RTN	8-Mar-95	< 1.24	± 0.34	U	4.02	± 0.31	
W-830-13	RTN	16-Mar-95	6.15	± 1.21		10.3	± 0.7	
W-830-14	RTN	16-Mar-95	2.72	± 0.86		13.9	± 0.75	
W-830-15	RTN	16-Mar-95	< 2.14	± 0.62	U	8.06	± 0.59	
W-830-16	RTN	25-Jan-96	< 2.41	± 0.79	U	13.3	± 0.6	
W-830-17	RTN	25-Jan-96	46.7	± 2	B	17.1	± 1.1	
W-830-18	RTN	28-Jun-96	< 8.8	± 5.4	UO	19.8	± 4.8	
W-830-19	RTN	28-Jun-96	36	± 11	O	27.2	± 7.6	
W-830-19	RTN	24-Feb-98	24	± 2		16	± 8	
W-830-19	RTN	20-Jun-00	55.1	± 13		26.6	± 5	
W-830-19	RTN	14-Aug-00	50.2	± 12		25.7	± 4.7	
W-830-19	RTN	21-Nov-00	22.5	± 12		31.6	± 7.4	
W-830-19	RTN	29-Jan-01	23.8	± 8.6		14.5	± 4.8	
W-830-19	RTN	22-May-01	7.89	± 3.3		22.2	± 3.8	
W-830-19	RTN	19-Sep-01	25.4	± 7.3		26.3	± 4.8	
W-830-19	RTN	13-Dec-01	17	± 5		22.3	± 4	
W-830-19	RTN	15-Mar-02	33.8	± 9.5		23.5	± 5.2	
W-830-20	RTN	24-Sep-96	< 12	± 7	U	19.1	± 7	
W-830-21	RTN	19-Sep-96	< 21	± 10	U	34	± 13	O
W-830-22	RTN	20-Sep-96	< 26	± 15	U	135	± 18	O
W-830-25	RTN	24-Feb-98	66	± 4		24	± 8	
W-830-26	RTN	20-Sep-96	< 14	± 6.2	U	40.9	± 9.5	O
W-830-27	RTN	19-Sep-96	< 14	± 8.2	U	21	± 8.4	O
W-830-28	RTN	23-Sep-96	< 12	± 5.8	U	22.2	± 6.4	O
W-830-29	RTN	17-Mar-97				8	± 2.9	J
W-830-30	RTN	11-Mar-97	41.2	± 5.3	L	9.6	± 2.1	
W-830-30	RTN	25-Feb-98	14	± 5		< 13	± 8	U
W-830-30	RTN	20-Jun-00	3.94	± 2		9.65	± 2.5	
W-830-30	RTN	14-Aug-00	7.53	± 2.5		6.07	± 1.9	
W-830-30	RTN	20-Nov-00	5.19	± 2.8		14.2	± 3.1	
W-830-30	RTN	29-Jan-01	8.76	± 4.1		9.17	± 2.5	
W-830-30	RTN	23-May-01	2.6	± 2		10.8	± 2.1	
W-830-30	RTN	19-Sep-01	< 3.77	± 2.8	U	7.11	± 2.8	
W-830-30	RTN	15-Mar-02	8.44	± 3.6		11.1	± 2.7	
W-830-34	RTN	11-Mar-97	5.4	± 2.7	L	13.3	± 2.4	
W-830-34	RTN	10-Mar-98	79.5	± 8.8		74.6	± 7.6	
W-830-49	RTN	15-Jun-98	17.8	± 4.4		34.1	± 5	
W-830-50	RTN	1-Apr-99	5.68	± 1.6		12.3	± 1.57	
W-830-50	RTN	14-Sep-99	3.22	± 1.5		12.6	± 2.2	
W-830-51	RTN	10-Sep-99	4.59	± 1.7		8.27	± 1.5	
W-830-52	RTN	15-Feb-00	9.17	± 2.9		11.6	± 2.3	
W-830-53	RTN	15-Feb-00	10.2	± 3.2		17.6	± 3	
W-830-54	RTN	18-Feb-00	2.69	± 1.7		7.35	± 1.8	
W-830-55	RTN	18-Feb-00	7.66	± 2.8		18.8	± 3.2	
W-830-56	RTN	11-Feb-00	5.93	± 3.6		14.3	± 3.3	
W-830-57	RTN	30-Mar-00	6.34	± 3.1		16.8	± 4.3	
W-830-58	RTN	31-Mar-00	27	± 6.6		13.9	± 2.5	
W-830-59	RTN	24-Aug-00	9.84	± 3.9	B	18.2	± 3.7	
W-830-60	RTN	30-Jun-00	< 2.93	± 2	U	18.4	± 3.4	
W-830-1730	RTN	19-Mar-02	< 2.55	± 1.5	U	5.87	± 1.7	
W-830-1807	RTN	7-Apr-04	3.82	± 2.2		17.4	± 3	
W-830-1829	RTN	6-Nov-03	14.3	± 6.1		18.6	± 6.5	
W-830-1829	RTN	28-Jan-04	18.9	± 5.9		18.6	± 3.9	
W-830-1830	RTN	6-Nov-03	15	± 5.7		20.2	± 4.5	
W-830-1831	RTN	10-Feb-04	< 3.03	± 1.4	U	10.6	± 3.3	
W-830-1832	RTN	10-Sep-03	< 2.59	± 1.5	U	9.58	± 2.8	

Table A-9. Gross alpha/gross beta in ground water and surface water (pCi/L), Building 832 Canyon OU.

			Gross Alpha pCi/L				Gross Beta pCi/L		
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	ERROR	FLAG	RESULT	ERROR	FLAG
W-830-1832	RTN	10-Feb-04	< 4.65	± 2.7	U	< 7.13	± 4.6	U
W-832-01	RTN	16-Mar-95	19	± 4.1		26.8	± 2.8	
W-832-05	RTN	9-Mar-95	28	± 5.3		27.7	± 3.9	
W-832-05	RTN	24-Feb-98	45	± 3		27	± 8	
W-832-05	RTN	21-Jun-00	2.19	± 1.1		9.62	± 1.7	
W-832-05	RTN	15-Aug-00	16.4	± 5.5		24	± 4.4	
W-832-05	RTN	21-Nov-00	< 2	± 0.71	U	< 3	± 1.3	EU
W-832-05	RTN	13-Feb-01	< 2	± 0.4	U	19	± 3.3	L
W-832-05	RTN	24-May-01	< 3.56	± 1.79	LU	10.6	± 1.85	
W-832-05	RTN	24-May-01	5.06	± 2.5		9.71	± 2	
W-832-05	RTN	19-Sep-01	7.6	± 3.9		20.5	± 4	
W-832-05	RTN	14-Dec-01	5.38	± 0.663		5.7	± 0.786	
W-832-05	DUP	14-Dec-01	< 2	± 0.31	U	< 3	± 0.97	U
W-832-05	RTN	18-Mar-02	< 2	± 0.78	U	4.07	± 1.1	
W-832-05	RTN	18-Jun-02	2.87	± 2.2		11.2	± 2.5	
W-832-05	RTN	25-Sep-02	< 6.57	± 4.4	U	21.5	± 4.8	
W-832-06	RTN	9-Mar-95	< 14.1	± 4.5	UJB	35.3	± 3.8	
W-832-06	REA	9-Mar-95	14.3	± 1.3	JB			
W-832-09	RTN	16-Mar-95	20.8	± 2		12.1	± 1	
W-832-10	RTN	15-Jun-98	22	± 3.9		21.4	± 3.5	
W-832-11	RTN	15-Jun-98	23.1	± 3.9		26.9	± 3.9	
W-832-12	RTN	16-Mar-98	16.3	± 2.5	B	24.3	± 2.7	B
W-832-13	RTN	16-Mar-98	14	± 2.3	B	26.6	± 3	B
W-832-14	RTN	17-Mar-98	21	± 3	B	30	± 3.3	B
W-832-15	RTN	16-Mar-98	16.3	± 2.5	B	22.9	± 2.6	B
W-832-16	RTN	16-Mar-98	44	± 5.2	B	34.2	± 3.7	B
W-832-17	RTN	17-Mar-98	28.7	± 3.7	B	33.2	± 3.6	B
W-832-18	RTN	25-Mar-98	12.6	± 6.5		57	± 7.8	
W-832-19	RTN	24-Mar-98	30.8	± 4		16.6	± 2	
W-832-20	RTN	25-Mar-98	6.06	± 1.58		18.1	± 2.2	
W-832-21	RTN	25-Mar-98	43.2	± 4.7		17.7	± 1.9	
W-832-23	RTN	24-Mar-99	< 1	± 3.65	OU	22	± 6.13	
W-832-24	RTN	24-Mar-99	2.94	± 3.4	O	18	± 5.82	
W-832-25	RTN	15-Feb-00	19.9	± 5.2		20.2	± 3.5	
W-832-1927	RTN	11-Feb-04	11.4	± 4.3		14.7	± 3.6	
W-870-01	RTN	18-Mar-98	24.3	± 3.4		18.5	± 2.2	
W-870-01	RTN	27-May-98	17.8	± 2.8		12.2	± 1.9	
W-870-02	DUP	18-Jun-97	25	± 5		20	± 4	
W-870-02	DUP	18-Jun-97	15.9	± 4.7		10.9	± 2.7	
W-880-01	RTN	24-Jan-96	4.37	± 1.11	B	8.05	± 1.05	
W-880-02	RTN	26-Jan-96	10.3	± 1.5	B	8.94	± 1.08	
W-880-03	RTN	24-Jan-96	< 2.43	± 0.81	U	6.24	± 0.55	
W-880-03	DUP	24-Jan-96	3.94	± 1.26	B	6.04	± 1.04	
SPRING3	RTN	3-Sep-93	20.02	± 2.61		15.32	± 0.98	
SPRING3	RTN	20-Apr-94	3.82	± 0.24		12.7	± 0.6	
SPRING3	RTN	24-Oct-95	61.3	± 4.4		33.5	± 2.4	
SPRING3	RTN	24-Oct-95	53	± 19		60	± 12	O
SPRING3	RTN	21-Jun-96	19.95	± 4.25		19.1	± 2.54	
SPRING3	RTN	21-Jun-96	42	± 11	O	< 9.4	± 5.8	U
SPRING3	RTN	12-Nov-96	23	± 12		< 15	± 9.2	U
SPRING4	RTN	20-Apr-94	5.8	± 0.42		8.82	± 1.02	
SPRING4	RTN	31-Oct-95	48.7	± 4		13.5	± 2.2	
SPRING4	RTN	21-Jun-96	24	± 7	O	11.7	± 4.2	

Table A-10. Gross alpha/gross beta in soil and rock (pCi/g), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Gross Alpha pCi/g RESULT	ERROR	FLAG	Gross Beta pCi/g RESULT	ERROR	FLAG
830-23	1.8	BUD	30-Nov-94	28.9	± 1.3		36.6	± 1.2	
830-23	6.5	BUD	30-Nov-94	19	± 1		30	± 1.1	
830-23	10.8	BUD	30-Nov-94	30.4	± 1.2		33.6	± 1.2	
830-23	17	BUD	30-Nov-94	14.8	± 1.1		27.2	± 1.1	
830-23	26.3	BUD	1-Dec-94	< 2.69	± 0.38	U	16.9	± 2.1	
830-23	30	BUD	1-Dec-94	25	± 3.6		31.1	± 3.3	
830-23	36	BUD	1-Dec-94	14.3	± 2.5		22.2	± 2.5	
830-23	36	DUP	1-Dec-94	23.5	± 3.4		29.3	± 3.2	
830-24	2	BUD	5-Dec-94	8.29	± 1.91		21.6	± 2.4	
830-24	5.3	BUD	5-Dec-94	< 3.12	± 1.02	U	13.7	± 1.8	
830-24	11.3	BUD	5-Dec-94	6.63	± 1.89		17.6	± 2.1	
830-24	16.5	BUD	5-Dec-94	6.5	± 1.72		24	± 2.7	
830-24	21.3	BUD	6-Dec-94	9.21	± 2.24		11.8	± 1.6	
830-24	25.5	BUD	6-Dec-94	7.44	± 1.66		17.5	± 2.1	
830-24	30.5	BUD	6-Dec-94	6.78	± 2.29		21.8	± 2.5	
832-02	1	BUD	26-Sep-94	6.56	± 0.11		15.4	± 0.2	
832-02	5	BUD	26-Sep-94	14.3	± 0.1		18.8	± 0.3	
832-02	10	BUD	26-Sep-94	8.99	± 0.12		17.9	± 0.2	
832-02	15	BUD	27-Sep-94	13	± 0.1		22.2	± 0.3	
832-02	20	BUD	27-Sep-94	5.48	± 0.11		15.2	± 0.3	
832-02	25	BUD	27-Sep-94	7.39	± 0.1		17.9	± 0.2	
832-02	30	BUD	27-Sep-94	7.01	± 0.11		18.4	± 0.3	
832-03	1.3	BUD	4-Oct-94	10.4	± 1		17.6	± 1.4	
832-03	1.3	DUP	4-Oct-94	12	± 0.9		16.5	± 1.1	
832-03	5	BUD	4-Oct-94	10.9	± 0.9		16.9	± 1	
832-03	10	BUD	4-Oct-94	16.9	± 1		18.9	± 1	
832-03	15	BUD	4-Oct-94	14.8	± 1		16.9	± 1.1	
832-03	20	BUD	4-Oct-94	14.4	± 1		15.5	± 1.1	
832-03	25.5	BUD	5-Oct-94	14.1	± 1		20.7	± 1.1	
832-03	30	BUD	5-Oct-94	9.6	± 0.93		20.5	± 1.2	
832-04	1	BUD	6-Oct-94	8.57	± 0.79		22.5	± 1	
832-04	5	BUD	6-Oct-94	13.7	± 1		18.5	± 1.2	
832-04	10	BUD	6-Oct-94	14.5	± 1		19.7	± 1.1	
832-04	15	BUD	6-Oct-94	16.5	± 1		21.4	± 1	
832-04	20	BUD	7-Oct-94	17.1	± 1.1		23.4	± 1.2	
832-04	25	BUD	7-Oct-94	10.3	± 0.9		16	± 1.1	
832-04	30	BUD	7-Oct-94	10.6	± 1		19	± 1.2	
832-07	1	BUD	28-Sep-94	10.3	± 0.13		15.6	± 0.2	
832-07	5	BUD	28-Sep-94	6.61	± 0.09		16.6	± 0.2	
832-07	10	BUD	28-Sep-94	5.01	± 0.1		17.2	± 0.2	
832-07	15	BUD	29-Sep-94	13.3	± 1		20.1	± 1.2	
832-07	20	BUD	29-Sep-94	18	± 1.1		21.8	± 1.1	
832-07	25	BUD	29-Sep-94	16.5	± 1		22.9	± 1.2	
832-07	30	BUD	29-Sep-94	13.1	± 0.9		22.2	± 1.1	
832-08	1	BUD	28-Nov-94	10.8	± 0.9		16.6	± 0.9	
832-08	6	BUD	28-Nov-94	16.7	± 1		23	± 1	
832-08	11	BUD	28-Nov-94	13.5	± 0.9		21.3	± 1	
832-08	16	BUD	28-Nov-94	9.49	± 0.86		16.9	± 0.9	
832-08	21	BUD	28-Nov-94	8.12	± 0.76		18.5	± 0.9	
832-08	26	BUD	28-Nov-94	7.36	± 0.78		13.2	± 0.9	
832-08	31	BUD	28-Nov-94	7.11	± 0.99		13	± 0.9	
W-830-12	0.2	BUD	30-Aug-94	11.6	± 0.1		14.2	± 0.2	
W-830-12	5	BUD	30-Aug-94	11.7	± 0.1		17.5	± 0.2	
W-830-12	14.5	BUD	30-Aug-94	11.9	± 0.1		15.3	± 0.2	
W-830-13	0	BUD	8-Nov-94	9.83	± 0.99		28.9	± 1.3	
W-830-13	19	BUD	9-Nov-94	11.2	± 1		16.9	± 1.1	
W-830-13	20.7	BUD	9-Nov-94	9.19	± 0.96		24.3	± 1.3	
W-830-13	28.7	BUD	9-Nov-94	< 2.13	± 0.66	U	5.81	± 0.62	

Table A-10. Gross alpha/gross beta in soil and rock (pCi/g), Building 832 Canyon OU.

				Gross Alpha pCi/g			Gross Beta pCi/g		
LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	RESULT	ERROR	FLAG	RESULT	ERROR	FLAG
W-830-13	31.6	BUD	9-Nov-94	< 2.21	± 0.74	U	12.2	± 1.1	
W-830-13	37.5	BUD	9-Nov-94	< 2.98	± 0.95	U	14.2	± 1.2	
W-830-13	42.4	BUD	10-Nov-94	4.36	± 1.26		21.2	± 1.4	
W-830-13	46.2	BUD	10-Nov-94	3.77	± 0.83		14.6	± 1.1	
W-830-13	52.6	BUD	10-Nov-94	8.21	± 0.98		25.3	± 1.3	
W-830-15	6.1	BUD	8-Dec-94	9.11	± 2.11		11.2	± 1.5	
W-830-16	0	BUD	3-Oct-95	7.27	± 1		17.3	± 0.9	
W-830-16	4.8	BUD	3-Oct-95	4.09	± 0.82		15.6	± 0.9	
W-830-16	10	BUD	3-Oct-95	2.66	± 0.72		13.4	± 0.9	
W-830-18	17	BUD	3-Apr-96	14	± 2.3	L	9.4	± 1.1	L
W-830-18	51.5	BUD	4-Apr-96	12.3	± 1.5	L	5.75	± 0.62	L
W-830-19	15.4	BUD	3-Jun-96	4.8	± 1		3.35	± 0.63	
W-830-19	21	BUD	4-Jun-96	11	± 1.6		4.83	± 0.73	
W-830-19	25.2	BUD	5-Jun-96	15.3	± 1.9		6.76	± 0.84	
W-830-19	30.6	BUD	5-Jun-96	8.7	± 1.3		4.03	± 0.67	
W-830-19	35	BUD	5-Jun-96	11.3	± 1.5		5.43	± 0.76	
W-830-19	42.1	BUD	6-Jun-96	< 0.76	± 0.28	U	< 0.71	± 0.42	U
W-830-19	43	DUP	6-Jun-96	7.36	± 0.83		3.89	± 0.4	
W-830-25	0	BUD	6-Aug-96	3.7	± 1.3		4.63	± 0.81	
W-830-25	5	BUD	6-Aug-96	11.7	± 2		6.71	± 0.94	
W-830-25	10.7	BUD	6-Aug-96	7.9	± 1.3		4.35	± 0.77	
W-832-01	0	BUD	17-Aug-94	18.7	± 6.6	L	20.2	± 4.5	
W-832-01	5	BUD	18-Aug-94	17.5	± 6.6	L	23.7	± 4.6	
W-832-01	15	BUD	18-Aug-94	12.8	± 5.7	L	15.3	± 4	
W-832-05	1	BUD	10-Oct-94	15.1	± 1		20.6	± 1.1	
W-832-05	10	BUD	10-Oct-94	13.4	± 1		19.7	± 1.2	
W-832-05	15	BUD	10-Oct-94	15.5	± 1		18	± 0.9	
W-832-05	20	BUD	10-Oct-94	11	± 0.9		19.7	± 0.9	
W-832-05	25	BUD	10-Oct-94	13.8	± 1		21	± 1.2	
W-832-05	30	BUD	10-Oct-94	12	± 0.9		16	± 0.9	
W-832-06	1.25	BUD	21-Nov-94	13.7	± 1		17.8	± 1	
W-832-06	5.25	BUD	21-Nov-94	26.9	± 1.2		25.1	± 1.1	
W-832-06	20.25	BUD	21-Nov-94	10.2	± 0.9		19.2	± 0.9	
W-832-06	25.75	BUD	21-Nov-94	17.4	± 1.1		22.4	± 1.1	
W-832-06	30.75	BUD	21-Nov-94	16.3	± 0.9		20.4	± 1	
W-880-01	2.3	BUD	25-Oct-95	13.4	± 1.2		19.7	± 0.7	
3SS-21-02	0	RTN	18-Sep-91	13	± 6	P	18	± 4	P
3SS-830-01	0	BUD	16-Oct-96	3.6	± 1.7	O	3.2	± 1.9	
3SS-830-01	0	DUP	16-Oct-96	4.1	± 1.2	O	2.98	± 0.68	
3SS-830-01	1	BUD	16-Oct-96	5.2	± 1.4	O	3.28	± 0.72	
3SS-830-02	0	BUD	16-Oct-96	5.7	± 1.4	O	2.94	± 0.75	
3SS-830-02	1	BUD	16-Oct-96	4.3	± 1.2	O	4.41	± 0.77	
3SS-830-03	0	BUD	16-Oct-96	3.03	± 0.93	O	2.56	± 0.68	
3SS-830-03	1	BUD	16-Oct-96	2.85	± 0.99	O	2.94	± 0.78	
3SS-830-04	0	BUD	16-Oct-96	3.9	± 1.2	O	2.38	± 0.71	
3SS-830-04	1	BUD	16-Oct-96	3.08	± 0.98	O	2.39	± 0.67	
3SS-832-01	0	BUD	16-Oct-96	5.7	± 1.5	O	3.39	± 0.8	
3SS-832-01	1	BUD	16-Oct-96	4.6	± 1.2	O	2.89	± 0.73	
3SS-832-02	0	BUD	16-Oct-96	4.1	± 1.1	O	2.09	± 0.63	
3SS-832-02	1	BUD	16-Oct-96	3.8	± 1.1	O	2.62	± 0.64	
3SS-832-03	0	BUD	16-Oct-96	3.7	± 1	O	2.7	± 0.64	
3SS-832-03	1	BUD	16-Oct-96	4.9	± 1.3	O	2.99	± 0.73	
3SS-832-04	0	BUD	16-Oct-96	5.7	± 1.4	O	4.15	± 0.77	
3SS-832-04	1	BUD	16-Oct-96	5	± 1.2	O	2.84	± 0.7	

Table A-11. Uranium isotopes in ground water and surface water (pCi/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Uranium 233+234 pCi/L RESULT	ERROR	FLAG	Uranium 235+236 pCi/L RESULT	ERROR	FLAG	Uranium 238 pCi/L RESULT	ERROR	FLAG	Uranium 233 by mass measurement pCi/L RESULT	ERROR	FLAG	Uranium 234 by mass measurement pCi/L RESULT	ERROR	FLAG	Uranium 235 by mass measurement pCi/L RESULT	ERROR	FLAG	Uranium 236 by mass measurement pCi/L RESULT	ERROR	FLAG	Uranium 238 by mass measurement pCi/L RESULT	ERROR	FLAG
W-35B-01	RTN	20-Nov-97	2.26	± 0.21		0.099	± 0.037		1.9	± 0.19																
W-814-04	RTN	3-May-94																0.011	± 0.001					0.241	± 0.004	
W-814-04	RTN	6-Dec-94													0.27	± 0.04		0.0168	± 0.0004					0.359	± 0.003	
W-814-04	RTN	30-Mar-95													0.28	± 0.09		0.012	± 0.001					0.25	± 0.005	B
W-830-10	RTN	24-Feb-98	6.1	± 0.47		0.22	± 0.08		4.93	± 0.4																
W-830-17	RTN	11-Jun-96													2.4	± 0.2		0.094	± 0.002		< 0.0007	± 0	U	1.98	± 0.03	
W-830-18	RTN	28-Jun-96	2.2	± 0.27	B	0.128	± 0.061	O	2.1	± 0.26	B															
W-830-19	RTN	28-Jun-96	11.88	± 0.79	OB	0.59	± 0.12	OB	9.78	± 0.68	B															
W-830-19	RTN	24-Feb-98	14.76	± 1.05		0.54	± 0.12		11.91	± 0.87																
W-830-19	RTN	20-Jun-00	12.8	± 1.4		0.58	± 0.099		10.4	± 1.1																
W-830-19	RTN	14-Aug-00	15.8	± 3.4		0.865	± 0.49		13.3	± 2.9																
W-830-19	RTN	21-Nov-00	14.2	± 1.5		1	± 0.15		11.4	± 1.2																
W-830-19	RTN	29-Jan-01	14.1	± 1.5		0.917	± 0.14		11.2	± 1.2																
W-830-19	RTN	22-May-01	14.8	± 1.7		0.558	± 0.14		12	± 1.4																
W-830-19	RTN	19-Sep-01	14.1	± 1.5		0.719	± 0.11		11.4	± 1.2																
W-830-19	RTN	13-Dec-01	14.2	± 1.5		0.854	± 0.13		11.7	± 1.3																
W-830-19	RTN	15-Mar-02	15	± 1.6		0.755	± 0.12		12.2	± 1.3																
W-830-20	RTN	24-Sep-96	0.33	± 0.083		0.066	± 0.035	OB	0.202	± 0.063																
W-830-21	RTN	19-Sep-96										< 9600	± 0	U	< 6200	± 0	U	< 0.22	± 0	U	< 65	± 0	U	< 0.34	± 0	U
W-830-25	RTN	24-Feb-98	45.32	± 4.67		1.74	± 0.4		38.49	± 4																
W-830-30	RTN	11-Mar-97	17.5	± 1		0.631	± 0.1		13.56	± 0.81																
W-830-30	RTN	25-Feb-98	7.31	± 0.58		0.26	± 0.08		5.61	± 0.47																
W-830-30	RTN	20-Jun-00	3.59	± 0.44		0.158	± 0.058		2.93	± 0.37																
W-830-30	RTN	14-Aug-00	3.83	± 0.42		0.197	± 0.043		2.79	± 0.32																
W-830-30	RTN	20-Nov-00	3.22	± 0.37		0.204	± 0.05		2.36	± 0.29																
W-830-30	RTN	29-Jan-01	3.66	± 0.42		0.157	± 0.047		2.58	± 0.31																
W-830-30	RTN	23-May-01	3.56	± 0.45		0.13	± 0.047		2.73	± 0.36																
W-830-30	RTN	19-Sep-01	3.44	± 0.4		0.138	± 0.044		2.57	± 0.31																
W-830-30	RTN	30-Nov-01	3.84	± 0.44		0.167	± 0.044		2.8	± 0.33																
W-830-30	RTN	15-Mar-02	3.61	± 0.41		0.266	± 0.058		2.75	± 0.32																
W-830-34	RTN	11-Mar-97	2.56	± 0.21		0.104	± 0.035		1.95	± 0.17																
W-830-34	RTN	10-Mar-98	52.8	± 12.3		1.69	± 0.67		14.5	± 3.6																
W-830-49	RTN	15-Jun-98	11.2	± 3.3	B	1.19	± 0.77		9.56	± 2.87																
W-830-50	RTN	1-Apr-99	2.13	± 0.257		< 0.1	± 0.0316	U	1.56	± 0.201																
W-830-50	RTN	14-Sep-99	1.55	± 0.2		< 0.1	± 0.03	UE	1.28	± 0.18																
W-830-51	RTN	10-Sep-99	6.32	± 0.7		0.258	± 0.06		5.37	± 0.6																
W-830-52	RTN	15-Feb-00	5	± 0.57		0.227	± 0.06		4.09	± 0.47																
W-830-53	RTN	15-Feb-00	4.25	± 0.51		0.246	± 0.064		3.28	± 0.4																
W-830-54	RTN	18-Feb-00	1.24	± 0.18		< 0.1	± 0.027	EU	0.899	± 0.13																
W-830-55	RTN	18-Feb-00	3.44	± 0.41		0.152	± 0.049		2.64	± 0.33																
W-830-56	RTN	11-Feb-00	1.96	± 0.25		0.145	± 0.043		1.35	± 0.18																
W-830-57	RTN	30-Mar-00	2.9	± 0.34		0.155	± 0.047		2.37	± 0.29																
W-830-58	RTN	31-Mar-00	10.6	± 1.1		0.656	± 0.11		8.7	± 0.95																
W-830-59	RTN	24-Aug-00	9.42	± 1.1		0.616	± 0.12		7.21	± 0.83																
W-830-60	RTN	30-Jun-00	2.31	± 0.29		0.143	± 0.042		1.92	± 0.24																
W-830-1730	RTN	19-Mar-02	0.696	± 0.1		< 0.1	± 0.019	EU	0.394	± 0.071																
W-830-1829	RTN	6-Nov-03	7.14	± 0.79		0.27	± 0.07		5.95	± 0.67																
W-830-1829	RTN	28-Jan-04	7.42	± 0.8		0.302	± 0.068		6.2	± 0.68																
W-830-1830	RTN	6-Nov-03	5.49	± 0.62		0.183	± 0.057		3.9	± 0.45																
W-830-1830	RTN	28-Jan-04	4.53	± 0.51		0.139	± 0.042		3.26	± 0.38																
W-830-1831	RTN	10-Feb-04	0.365	± 0.068		< 0.1	± 0.01	U	0.164	± 0.042																
W-830-1832	RTN	10-Sep-03	< 0.1	± 0.028	UE	< 0.1	± 0.011	U	< 0.1	± 0.024	UE															
W-830-1832	RTN	10-Feb-04	< 0.1	± 0.026	UE	< 0.1	± 0.013	U	< 0.1	± 0.021	UE															
W-832-05	RTN	24-Feb-98	21.05	± 1.54		0.82	± 0.17		19.71	± 1.45																
W-832-10	RTN	15-Jun-98	13	± 2.9	B	0.91	± 0.38		11.5	± 2.6																
W-832-11	RTN	15-Jun-98	0.0058	± 0.0013	B	0.0003	± 0.0002		0.0051	± 0.0011																
W-832-12	RTN	16-Mar-98	7.44	± 1.9		0.48	± 0.32		6.11	± 1.6																
W-832-13	RTN	16-Mar-98	4.28	± 1.17		0.44	± 0.27		2.74	± 0.82																
W-832-14	RTN	17-Mar-98	9.29	± 2.37	B	< 0.38	± 0.27	U	7.13	± 1.88																
W-832-15	RTN	16-Mar-98	5.21	± 1.43		0.47	± 0.3		5.16	± 1.42																
W-832-16	RTN	16-Mar-98	41.6	± 10		3.67	± 1.25		37.8	± 9.1																
W-832-17	RTN	17-Mar-98	14.2	± 3.5	B	1.02	± 0.49		14.3	± 3.5																
W-832-18	RTN	25-Mar-98	1.84	± 0.76		< 0.61	± 0.28	U	1.82	± 0.75																
W-832-19	RTN	24-Mar-98	14.1	± 3.9		0.88	± 0.54		13.3	± 3.6																
W-832-20	RTN	25-Mar-98	3.33	± 1.02		< 0.39	± 0.2	U	2.76	± 0.88																
W-832-21	RTN	25-Mar-98	25.8	± 8.3		< 2.11	± 1.05	U	23.4	± 7.6																
W-832-23	RTN	24-Mar-99	1.45	± 0.262		< 0.1	± 0.0545	U	1.24	± 0.239																
W-832-24	RTN	24-Mar-99	3.76	± 0.507		0.144	± 0.0747		2.89	± 0.418																

Table A-11. Uranium isotopes in ground water and surface water (pCi/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Uranium 233+234 pCi/L RESULT	ERROR	FLAG	Uranium 235+236 pCi/L RESULT	ERROR	FLAG	Uranium 238 pCi/L RESULT	ERROR	FLAG	Uranium 233 by mass measurement pCi/L RESULT	ERROR	FLAG	Uranium 234 by mass measurement pCi/L RESULT	ERROR	FLAG	Uranium 235 by mass measurement pCi/L RESULT	ERROR	FLAG	Uranium 236 by mass measurement pCi/L RESULT	ERROR	FLAG	Uranium 238 by mass measurement pCi/L RESULT	ERROR	FLAG
W-832-25	RTN	15-Feb-00	14	± 2.4		0.644	± 0.32		11.1	± 1.9																
W-832-1927	RTN	11-Feb-04	5.27	± 0.58		0.218	± 0.055		4.28	± 0.48																
W-870-01	RTN	18-Mar-98	12.3	± 3.1		0.71	± 0.43		10.2	± 2.6																
W-870-01	RTN	27-May-98	8.66	± 2.22	B	0.53	± 0.32		7.37	± 1.92																
W-870-02	DUP	18-Jun-97	19.09	± 1.343		0.7916	± 0.1698		16.7	± 1.197																
W-870-02	DUP	18-Jun-97	18.9	± 1.1		0.96	± 0.15		16.5	± 1																
SPRING3	RTN	3-Sep-93	6.51	± 0.36		0.26	± 0.08	B	6.25	± 0.36																
SPRING3	RTN	20-Apr-94	7.24	± 0.21		0.47	± 0.06		6.75	± 0.2																
SPRING3	RTN	24-Oct-95	15.4	± 4.8		5.44	± 1.92		16.5	± 5.1																
SPRING3	RTN	24-Oct-95	13.6	± 1	B	1.08	± 0.23	B	12.01	± 0.95	B															
SPRING3	RTN	21-Jun-96	10.24	± 0.47	B	< 0.02	± 0	U	7.87	± 0.39	B															
SPRING3	RTN	21-Jun-96	10.12	± 0.7	OB	0.5	± 0.11	OB	8.27	± 0.6	B															
SPRING3	RTN	17-Oct-96										< 9600	± 0	U	< 6200	± 0	U	0.51	± 0		< 65	± 0	U	11	± 0	
SPRING3	RTN	12-Nov-96													6.33	± 0.55		0.271	± 0.007		< 0.0007	± 0	U	5.77	± 0.13	
SPRING4	RTN	20-Apr-94	12.4	± 0.3		0.6	± 0.06		11.3	± 0.2																
SPRING4	RTN	31-Oct-95	16.1	± 3.8		2.92	± 0.84		15.4	± 3.6																
SPRING4	RTN	21-Jun-96	7.55	± 0.56	OB	0.317	± 0.088	OB	7.11	± 0.54	B															
SPRING4	RTN	1-Jun-00	34.3	± 3.8		1.54	± 0.24	O	30.2	± 3.3	O															

Table A-12. Uranium isotope mass ratios in ground water and surface water, Building 832 Canyon OU.

			Uranium 234/238				Uranium 235/238			
LOCATION	SAMPLE TYPE	SAMPLED	RESULT		ERROR	FLAG	RESULT		ERROR	FLAG
W-814-04	RTN	3-May-94					0.00722	±	0.00049	
W-814-04	RTN	6-Dec-94	4.10E-05	±	6.00E-06		0.00725	±	0.0001	
W-814-04	RTN	30-Mar-95	6.00E-05	±	2.00E-05		0.00722	±	0.00024	
W-830-17	RTN	11-Jun-96	6.60E-05	±	5.00E-06		0.00738	±	7.00E-05	
SPRING3	RTN	12-Nov-96	5.90E-05	±	5.00E-06		0.00731	±	0.00011	

Table A-13. Uranium isotopes in soil, rock and soil moisture (pCi/g), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Uranium 233+234 pCi/g RESULT	ERROR	FLAG	Uranium 235+236 pCi/g RESULT	ERROR	FLAG	Uranium 238 pCi/g RESULT	ERROR	FLAG	233 by mass measurement pCi/g RESULT	FLAG	234 by mass measurement pCi/g RESULT	FLAG	235 by mass measurement pCi/g RESULT	FLAG	236 by mass measurement pCi/g RESULT	FLAG	238 by mass measurement pCi/g RESULT	ERROR	FLAG
W-814-04	221.5	BUD	6-Jul-94														0.332	H			6.92		
W-814-04	221.5	BUD	6-Jul-94														0.081	H			1.72		
W-814-04	250.5	BUD	6-Jul-94														0.044	H			0.93		
W-814-04	250.5	BUD	6-Jul-94														0.036	H			0.75		
W-830-19	16	BUD	3-Jun-96										< 2100	U	< 1300	U	< 0.047	U	< 14	U	0.62		
W-830-19	21	BUD	4-Jun-96										< 2400	U	< 1600	U	0.094		< 16	U	1.9		
W-830-19	25.2	BUD	5-Jun-96										< 2300	U	< 1500	U	0.067		< 15	U	1.5		
W-830-19	30.6	BUD	5-Jun-96										< 2300	U	< 1500	U	< 0.051	U	< 15	U	0.84		
W-830-19	35	BUD	5-Jun-96										< 2000	U	< 1300	U	< 0.044	U	< 13	U	1		
W-830-19	42.1	BUD	6-Jun-96										< 2400	U	< 1500	U	< 0.053	U	< 16	U	0.47		
W-830-19	43	DUP	6-Jun-96												< 6.21	U	0.02				0.38		
3SS-21-02	0	RTN	18-Sep-91	1.2	±	0.2 P	0.06	±	0.04 P	0.12	±	0.02 P											

Table A-14. Thorium isotopes in ground water and surface water (pCi/L), Building 832 Canyon OU.

			Thorium 232 by mass measurement pCi/L			
LOCATION	SAMPLE TYPE	SAMPLED	RESULT		ERROR	FLAG
W-830-17	RTN	11-Jun-96	0.00264	±	5.00E-05	
SPRING3	RTN	12-Nov-96	0.00111	±	7.20E-05	

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-35B-01	RTN	19-Nov-97	0.07						2.1		< 0.02	U	< 0.07	U	9.3		1.1	
W-35B-01	RTN	20-Nov-97							3.2		< 0.5	U			14			
W-35B-01	RTN	22-Jun-98	0.04						2.3		< 0.02	U	< 0.07	HU	10		0.96	
W-35B-01	RTN	24-Sep-98	< 0.02	U					2.4		< 0.02	U	< 0.07	U	11		1.3	
W-35B-01	RTN	3-Dec-98	0.05						3.4		< 0.02	U	< 0.07	U	15		2.1	D
W-35B-01	RTN	3-Dec-98							3.3		< 0.02	U			15			
W-35B-01	RTN	19-Feb-99	0.56						3.5		0.1		0.32	H	16		1.4	
W-35B-01	RTN	11-Mar-99	0.11						3.1		0.03		0.11		14		3	
W-35B-01	RTN	14-Jun-99	0.2						< 0.5	SU	< 0.5	LU	< 0.5	U	< 0.5	SU	0.5	
W-35B-01	RTN	27-Aug-99	0.3						0.8	S	< 0.5	U	< 0.5	U	3.5	S	2.4	
W-35B-01	RTN	10-Dec-99	0.5						< 0.5	HU	< 0.5	U	< 0.5	U	< 0.5	HU	1	
W-35B-01	RTN	4-Feb-00	0.3						0.2		< 0.1	U	< 0.1	U	0.9		0.5	
W-35B-01	RTN	31-May-00	0.3						0.1		< 0.1	LOU	< 0.1	LOU	0.5		0.4	
W-35B-01	RTN	25-Jul-00	0.3						0.2		< 0.1	U	< 0.1	U	1		0.5	
W-35B-01	RTN	26-Oct-00	0.4	H					< 0.1	U	< 0.1	U	< 0.1	U	< 0.1	U	0.4	H
W-35B-01	RTN	23-Jan-01	0.4						< 0.1	U	< 0.1	U	< 0.1	U	< 0.4	U	0.4	H
W-35B-01	RTN	14-May-01	0.3	H					< 0.1	U	< 0.1	U	< 0.1	U	< 0.4	U	0.3	H
W-35B-01	RTN	19-Jul-01	0.3						< 0.1	U	< 0.1	U	< 0.1	U	< 0.4	U	0.5	
W-35B-01	RTN	25-Oct-01													< 0.4	U		
W-35B-01	RTN	25-Oct-01	0.4	H					< 0.1	U	< 0.1	U	< 0.1	U			0.6	H
W-35B-01	RTN	23-Jan-02	0.3	H					< 0.1	U	< 0.1	U	< 0.1	U	< 0.1	U	0.4	H
W-35B-01	RTN	20-May-02	0.1						< 0.1	U	< 0.1	U	< 0.1	U	< 0.1	U	0.3	H
W-35B-01	RTN	20-Aug-02	0.4	H					5.1		< 0.1	U	< 0.1	U	23		0.5	H
W-35B-01	RTN	26-Nov-02	0.9	H							< 0.1	U	< 0.1	U				
W-35B-01	RTN	14-Mar-03													< 0.1	U		
W-35B-01	RTN	15-Jul-03													< 0.1	U		
W-35B-01	RTN	10-Oct-03													< 0.1	OU		
W-35B-01	RTN	23-Feb-04													7.2			
W-35B-01	RTN	20-Apr-04													< 0.1	U		
W-35B-01	RTN	12-Jul-04													< 0.1	LU		
W-35C-06	RTN	8-Jan-91			2	P	8.6	P										
W-35C-06	RTN	13-May-91			4.2	P	18	P										
W-35C-06	RTN	18-Jun-99													< 0.5	LOSU		
W-35C-06	RTN	21-Mar-00					7.53											
W-35C-06	RTN	28-Oct-03													< 0.1	U		
W-35C-06	RTN	29-Jul-04													4.6			
W-4C	RTN	10-Mar-92			0.1	P	0.4	P										
W-4C	RTN	25-Oct-01													< 0.4	U		
W-4C	RTN	5-Jun-02													< 0.1	U		
W-4C	RTN	28-Mar-03													< 0.1	U		
W-4C	RTN	5-Feb-04													19			
W-6BS	RTN	10-Mar-88					30	P										
W-6BS	RTN	3-Nov-88					12.6	P										
W-6BS	RTN	3-Dec-98	< 0.02	U					6	D	< 0.02	U	< 0.07	U	27	D	0.29	

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-6BS	RTN	28-Oct-03													< 0.1	U		
W-6BS	DUP	17-Aug-04													14	D		
W-6BS	RTN	17-Aug-04													13			
W-6ES	RTN	4-Nov-88					4.5	P										
W-6ES	RTN	13-May-91			4.3	P	19	P										
W-6ES	RTN	29-Oct-03													< 0.1	U		
W-6ES	RTN	18-Aug-04													6.9			
W-814-04	RTN	3-May-94							< 5	DU					< 22.15	DU		
W-814-04	RTN	6-Dec-94							< 0.5	U					< 2.215	U		
W-814-04	RTN	18-Nov-03													< 0.1	U		
W-814-04	RTN	24-Aug-04													0.2			
W-830-04A	RTN	18-Oct-88					1.4	P										
W-830-04A	RTN	21-Feb-95	< 0.1	U					18	DL	< 0.5	U			79.74	DL	0.21	
W-830-04A	RTN	12-May-95	< 0.1	U									< 0.5	U	78	D	< 0.5	U
W-830-04A	RTN	21-Jul-95	< 0.1	ULO									< 2.5	DHU	83	D	< 0.5	U
W-830-04A	RTN	30-Nov-95	< 0.1	U									< 5	DHU	68	D	< 0.5	U
W-830-04A	RTN	25-Jan-96	< 0.1	U									< 5	DULO	74	D	0.2	
W-830-04A	RTN	12-Jun-96	< 0.1	LOU					19		< 2.5	DU	< 2.5	DHULO	86	LO	< 0.5	UO
W-830-04A	RTN	23-Aug-96	< 0.1	U					18		< 5	DU	< 5	DULO	82	O	< 0.5	U
W-830-04A	RTN	11-Dec-96	< 0.1	U					14	D	< 0.5	U	< 0.5	U	62	D	0.3	
W-830-04A	RTN	25-Feb-97	0.19						17	D	< 0.5	U	< 0.5	U	75	D	0.2	
W-830-04A	RTN	13-Jun-97	< 0.1	U					14		< 0.5	U	< 0.5	U	61		< 0.2	U
W-830-04A	RTN	20-Aug-97	< 0.02	U					17	D	< 0.02	U	< 0.07	U	75.3	D	< 0.2	UL
W-830-04A	RTN	14-Nov-97	< 0.1	U					18	D	< 2.5	DU	< 2.5	DU	80	D	0.26	
W-830-04A	RTN	20-Feb-98	< 0.02	U					18	D	< 0.02	U	< 0.07	U	80	D	0.2	
W-830-04A	RTN	29-May-98	< 0.02	U					19	D	< 0.02	U	< 0.07	U	83	D	0.37	
W-830-04A	RTN	29-Sep-98	< 0.02	OU					17		0.03		0.1		76		0.2	
W-830-04A	RTN	23-Dec-98	< 0.02	U					16	D	< 0.02	U	< 0.07	U	70	D	0.32	
W-830-04A	RTN	23-Feb-99	< 0.02	U					18	D	< 0.02	U	< 0.07	U	81	D	0.26	
W-830-04A	RTN	29-Jun-99	0.04						13	D	0.08		0.25		58	D	0.33	
W-830-04A	RTN	27-Sep-99	0.02						10	D	0.39		1.3		46	D	0.25	
W-830-04A	RTN	15-Dec-99	< 0.1	U					18	D	< 0.5	U	< 0.5	U	80	D	< 0.2	U
W-830-04A	RTN	2-Feb-00	< 0.1	LU					18	D	< 0.5	U	< 0.5	U	81	D	< 0.2	U
W-830-04A	RTN	21-Jun-00													43.7			
W-830-04A	RTN	3-May-01													70.9	D		
W-830-04A	DUP	6-Jun-02													60			
W-830-04A	RTN	6-Jun-02													36	D		
W-830-04A	RTN	14-Mar-03													77.6			
W-830-04A	RTN	10-Feb-04													75.4			
W-830-04A	DUP	10-Feb-04													75.3			
W-830-05	RTN	18-Oct-88					1	P										
W-830-05	RTN	23-Feb-95	< 0.1	U					11	D	< 0.5	U			48.73	D	< 0.2	U
W-830-05	RTN	11-May-95	< 0.1	U									< 0.5	U	33	D	< 0.5	U
W-830-05	RTN	19-Jul-95	< 0.1	LOU									< 0.5	U	70		< 0.5	U

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-05	RTN	1-Dec-95	< 0.1	U									< 5	DHU	65	D	< 0.5	U
W-830-05	RTN	22-Jan-96	< 0.1	U									< 5	DHU	62	D	0.23	
W-830-05	RTN	10-Jun-96	< 0.1	U					17	D	< 2.5	DU	< 2.5	DHULO	74	D	1.1	
W-830-05	RTN	23-Aug-96	< 0.1	U					15		< 5	DU	< 5	DULO	67	O	< 0.5	U
W-830-05	RTN	16-Dec-96	< 0.1	U					13	D	< 0.5	U	< 0.5	U	58	D	< 0.2	U
W-830-05	RTN	21-Feb-97	< 0.1	U					15	DL	< 0.5	LU	< 0.5	U	66	D		
W-830-05	RTN	16-Jun-97	< 0.1	U					15	D	< 0.5	U	< 0.5	U	68	D	0.43	L
W-830-05	RTN	19-Aug-97	< 0.02	U					19.2	D	< 0.02	U	< 0.07	U	85.1	D	< 0.2	U
W-830-05	RTN	14-Nov-97	< 0.1	U					13	D	< 2.5	DU	4.3	D	58	D	0.31	
W-830-05	RTN	19-Feb-98	< 0.02	U					15	D	< 0.02	U	< 0.07	U	66	D	0.3	
W-830-05	RTN	22-May-98	0.02						17	DL	< 0.02	U	< 0.07	U	76	DL	0.39	
W-830-05	RTN	29-Sep-98	< 0.02	OU					20		< 0.02	U	< 0.07	U	86		0.52	
W-830-05	RTN	28-Dec-98	< 0.02	U					19	D	< 0.02	HLU	< 0.07	HLU	84	D	0.54	
W-830-05	RTN	28-Dec-98							18	D					79	D		
W-830-05	DUP	28-Dec-98	< 0.02	U					18	D					79	D	0.43	
W-830-05	DUP	28-Dec-98							18	D					79	D		
W-830-05	RTN	23-Feb-99													81	D		
W-830-05	RTN	29-Jun-99	< 0.02	U					19	D	< 0.02	U	< 0.07	U	86	D	< 0.2	U
W-830-05	RTN	16-Sep-99	< 0.02	U					19	D	< 0.02	U	< 0.07	U	86	D	0.27	
W-830-05	RTN	15-Dec-99	< 0.1	U					16	D	< 0.5	U	< 0.5	U	71	D	< 0.2	U
W-830-05	RTN	28-Jan-00	< 0.1	U					16	D	< 0.5	U	< 0.5	U	69	D	0.6	L
W-830-05	RTN	21-Jun-00													85			
W-830-05	RTN	3-May-01													66	D		
W-830-05	RTN	6-Jun-02													73	D		
W-830-05	RTN	14-Mar-03													64.8			
W-830-05	RTN	10-Feb-04													71	DH		
W-830-07	RTN	1-Feb-96	< 0.1	U									< 0.5	LOU	9.1		1.6	
W-830-09	RTN	17-Oct-88					0.4	P										
W-830-09	RTN	3-Nov-94							< 0.5	U					< 2.215	U		
W-830-09	DUP	8-Mar-95	0.13										< 0.5	HU	< 0.5	U	< 0.2	U
W-830-09	RTN	8-Mar-95	0.13										< 0.5	HU	< 0.5	U	0.23	
W-830-09	RTN	16-May-95	< 0.1	U									< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	27-Jul-95	0.72										< 0.5	U	< 0.5	U	0.62	
W-830-09	RTN	5-Feb-96	0.92														0.89	
W-830-09	RTN	5-Feb-96											< 0.5	ULO	< 0.5	U		
W-830-09	RTN	14-May-96	0.83	LO					< 0.5	U	< 5	DU	< 5	DHULO	< 0.5	U	1	
W-830-09	RTN	24-Sep-96	0.39						< 0.5	U	< 0.5	U	< 0.5	HU	< 0.5	U	0.82	LO
W-830-09	RTN	13-Dec-96	0.72						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.91	
W-830-09	RTN	20-Jun-97	1.1	D					< 0.5	U	< 0.5	U	< 0.5	HU	< 0.5	U	0.77	
W-830-09	RTN	24-Nov-97	0.43						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.7	
W-830-09	RTN	19-Mar-98	0.66	D					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	1	
W-830-09	RTN	15-Jun-98	0.95						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	1.3	
W-830-09	RTN	15-Dec-98	0.88	D					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	1.2	
W-830-09	RTN	17-Dec-99	0.79						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.3	D

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-09	RTN	2-Feb-00	0.53	L					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.83	
W-830-09	RTN	22-Jun-00													< 0.4	U		
W-830-09	RTN	15-May-01													< 0.88	DU		
W-830-09	SLI	30-Oct-03													< 0.88	DU		
W-830-09	DUP	30-Oct-03													< 5	DU		
W-830-09	RTN	26-Jul-04													< 0.5	U		
W-830-10	RTN	18-Mar-92			12	P	55	P										
W-830-10	RTN	16-Mar-95	< 0.1	U									< 0.5	HU	54	D	< 0.2	U
W-830-10	RTN	12-May-95	< 0.1	U									< 0.5	U	57	D	< 0.5	U
W-830-10	RTN	21-Jul-95	< 0.1	ULO									< 2.5	DHU	65	D	< 0.5	U
W-830-10	RTN	6-Dec-95	< 0.1	U									< 5	DHU	66	D	7.7	D
W-830-10	RTN	26-Jan-96	< 0.1	U									< 5	DULOH	57	H	0.32	
W-830-10	RTN	15-May-96	< 0.1	ULO					14		< 2.5	DU	< 2.5	DHULO	63	O	< 0.5	U
W-830-10	RTN	28-Aug-96	< 0.1	U					13		< 5	DU	< 5	DULO	59		< 0.5	U
W-830-10	DUP	11-Dec-96	< 0.1	U					13	D	< 0.5	U	< 0.5	U	58	D	0.32	
W-830-10	RTN	11-Dec-96	< 0.1	U					13	D	< 0.5	U	< 0.5	U	58	D	0.23	
W-830-10	RTN	26-Feb-97	< 0.1	UF					13	DF	< 0.5	U	< 0.5	U	58	DF	0.4	
W-830-10	RTN	17-Jun-97	< 0.1	U					14	D	< 0.5	U	< 0.5	U	60	D	0.47	L
W-830-10	DUP	17-Jun-97	< 0.1	U					13	D	< 0.5	U	< 0.5	U	58	D	< 0.2	UL
W-830-10	RTN	26-Aug-97	< 0.02	U					15.3	D	< 0.02	U	< 0.07	U	67.8	D	< 0.2	U
W-830-10	RTN	14-Nov-97	< 0.1	U					13	D	< 2.5	DU	3.3	D	58	D	< 0.2	U
W-830-10	DUP	14-Nov-97	< 0.1	U					15	D	< 2.5	DU	7.2	D	66	D	0.24	
W-830-10	RTN	24-Feb-98	0.02						14	D	< 0.02	U	< 0.07	U	62	D	0.24	
W-830-10	RTN	24-Feb-98							13	D	< 0.5	U			58	D		
W-830-10	RTN	19-Jun-98	0.03						12	D	< 0.02	U	< 0.07	U	54	D	0.2	
W-830-10	RTN	29-Sep-98	< 0.02	OU					14		< 0.02	U	< 0.07	U	61		0.25	
W-830-10	HYI	9-Nov-98													63	D		
W-830-10	HYI	9-Nov-98													62	D		
W-830-10	RTN	23-Dec-98	< 0.02	U					11	D	< 0.02	U	< 0.07	U	51	D	0.36	
W-830-10	RTN	23-Dec-98							14	D	< 0.02	U			62	D		
W-830-10	RTN	11-Mar-99	0.02						15	D	< 0.02	U	< 0.07	U	68	D	< 0.2	U
W-830-10	RTN	29-Jun-99	< 0.02	U					15	D	0.14		0.46		65	D	< 0.2	U
W-830-10	RTN	27-Sep-99	< 0.02	U					15	D	0.31		1		68	D	0.2	
W-830-10	RTN	15-Dec-99	< 0.1	U					14	D	< 0.5	U	< 0.5	U	61	D	< 0.2	U
W-830-10	RTN	3-Feb-00	< 0.1	U					16	D	< 0.5	U	< 0.5	U	71	D	< 0.2	LU
W-830-10	RTN	23-Jun-00													68.6	D		
W-830-10	RTN	28-Jul-00													68.2			
W-830-10	RTN	17-Nov-00													68			
W-830-10	RTN	30-Jan-01													70			
W-830-10	RTN	17-May-01													69.8			
W-830-10	RTN	19-Sep-01													73			
W-830-10	RTN	26-Dec-01													71.3			
W-830-10	DUP	31-Jan-02													64	D		
W-830-10	RTN	31-Jan-02													63	D		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-10	SLI	6-Jun-02													72	D		
W-830-10	SLI	6-Jun-02													66	D		
W-830-10	RTN	12-Aug-02													66	D		
W-830-10	DUP	23-Dec-02													58	D		
W-830-10	RTN	23-Dec-02													76	DH		
W-830-10	RTN	14-Mar-03													68.4			
W-830-10	DUP	14-Mar-03													68.5			
W-830-10	RTN	10-Feb-04													69	DH		
W-830-11	RTN	25-Jun-92			< 0.1	P	< 0.4	P										
W-830-11	RTN	22-Feb-95	< 0.1	U					< 0.5	U	< 0.5	U			< 2.215	U	0.25	
W-830-11	RTN	12-May-95	< 0.1	U									< 0.5	U	3.9		< 0.5	U
W-830-11	RTN	21-Jul-95	< 0.1	ULO									< 2.5	DHU	6.1		< 0.5	U
W-830-11	RTN	30-Nov-95	< 0.1	U									< 5	DHU	< 5	DU	< 0.5	U
W-830-11	RTN	26-Jan-96	< 0.1	U									< 5	DULOH	5.6	H	0.24	
W-830-11	RTN	26-Jan-96	< 1	U											5.9		< 1	U
W-830-11	RTN	12-Jun-96	< 0.1	ULO					1.1		< 2.5	DU	< 2.5	DHULO	4.9	LO	< 0.5	U
W-830-11	RTN	28-Aug-96	< 0.1	U					< 0.5	U	< 5	DU	< 5	DULO	1.7		< 0.5	U
W-830-11	RTN	11-Dec-96	< 0.1	U					0.9		< 0.5	U	< 0.5	U	4		0.51	
W-830-11	RTN	17-Jun-97	< 0.1	U					1.1		< 0.5	U	< 0.5	U	4.9		0.2	L
W-830-11	DUP	17-Jun-97	< 0.1	U					1.2		< 0.5	U	< 0.5	U	5.3		< 0.2	UL
W-830-11	RTN	14-Nov-97	< 0.1	U					1.4		< 2.5	DU	6.2	D	6.2		0.37	
W-830-11	RTN	28-May-98	0.02						5		< 0.02	U	< 0.07	U	22		0.5	
W-830-11	RTN	23-Dec-98	0.05						7.9	D	< 0.02	U	< 0.07	U	35	D	1.7	
W-830-11	RTN	23-Dec-98							11	D	< 0.02	U			49	D		
W-830-11	RTN	29-Jun-99	< 0.02	U					13	D	< 0.02	U	< 0.07	U	55	D	1.8	
W-830-11	RTN	15-Dec-99	< 0.1	U					9.3	D	< 0.5	U	< 0.5	U	41	D	< 0.2	U
W-830-11	DUP	15-Dec-99	< 0.1	U					8.7	D	< 0.5	U	< 0.5	U	38	D	< 0.2	U
W-830-11	RTN	28-Jan-00	< 0.1	U					9.2	D	< 0.5	U	< 0.5	U	41	D	0.6	L
W-830-11	RTN	21-Jun-00													44.4			
W-830-11	RTN	28-Jul-00													40.9	D		
W-830-11	RTN	17-Nov-00													43.5			
W-830-11	DUP	30-Jan-01													38.6			
W-830-11	RTN	30-Jan-01													39.1			
W-830-11	RTN	17-May-01													37.8			
W-830-11	RTN	19-Sep-01													41			
W-830-11	RTN	18-Dec-01													33	D		
W-830-11	RTN	31-Jan-02													32	D		
W-830-11	RTN	14-Mar-03													23.4			
W-830-11	RTN	10-Feb-04													12.5			
W-830-11	DUP	10-Feb-04													12.6			
W-830-12	RTN	21-Dec-94							< 0.5	U	< 0.5	HU			< 2.215	U		
W-830-12	RTN	21-Dec-94	< 0.1	U													< 0.2	U
W-830-12	RTN	8-Mar-95											< 0.5	U	< 0.5	U		
W-830-12	RTN	8-Mar-95	0.13														< 0.2	U

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-12	RTN	16-May-95	< 0.1	U									< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	27-Jul-95	< 0.1	U									< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	8-Dec-95	< 0.1	U									< 5	DHU	< 5	DU	3.3	
W-830-12	RTN	5-Feb-96	0.15														< 0.5	U
W-830-12	RTN	5-Feb-96											< 0.5	LOU	< 0.5	U		
W-830-12	RTN	19-Jun-96	0.28	S					< 0.5	U	< 0.5	U	< 0.5	HUS	< 0.5	U	< 0.5	U
W-830-12	RTN	24-Sep-96	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	HU	< 0.5	U	< 0.5	LOU
W-830-12	RTN	13-Dec-96	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.23	
W-830-12	RTN	20-Jun-97	0.21						< 0.5	U	< 0.5	U	< 0.5	HU	< 0.5	U	< 0.2	U
W-830-12	RTN	24-Nov-97	0.11						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	< 0.2	U
W-830-12	RTN	15-Dec-98	0.07						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.27	
W-830-12	RTN	29-Jun-99	0.1						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	< 0.2	U
W-830-12	RTN	17-Dec-99	0.1						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.2	U
W-830-12	RTN	22-Jun-00													< 0.88	DU		
W-830-12	RTN	15-May-01													< 0.44	U		
W-830-12	RTN	14-Jun-02													< 0.44	U		
W-830-12	RTN	30-Oct-03													< 5	DU		
W-830-12	RTN	27-Jul-04													< 0.5	U		
W-830-13	RTN	16-Mar-95											< 0.5	U	52			
W-830-13	RTN	16-Mar-95	< 0.1	U													< 0.2	U
W-830-13	RTN	12-May-95	< 0.1	U									< 0.5	U	56	D	< 0.5	U
W-830-13	RTN	24-Jul-95	< 0.1	ULO									< 5	DU	63	D	< 0.5	U
W-830-13	RTN	20-Dec-95	< 0.1	U									< 5	DULO	42	D	< 0.5	U
W-830-13	RTN	26-Jan-96	< 0.1	U									< 5	DULOH	51	DH	0.3	
W-830-13	RTN	12-Jun-96	< 0.1	ULO					14		< 2.5	DU	< 2.5	DHULO	62	LO	< 0.5	U
W-830-13	RTN	11-Sep-96	0.15	LOF					15		< 5	DU	< 5	DULO	68	LO	0.94	F
W-830-13	RTN	11-Dec-96	< 0.1	U					13	D	< 0.5	U	< 0.5	U	58	D	0.29	
W-830-13	DUP	26-Feb-97	< 0.1	UF					12	DF	< 0.5	U	< 0.5	U	54	DF	0.27	
W-830-13	RTN	26-Feb-97	< 0.1	UF					12	DF	< 0.5	U	< 0.5	U	54	DF	0.21	
W-830-13	RTN	19-Jun-97	0.11						12	D	< 0.5	U	< 0.5	HU	55	D	0.21	
W-830-13	RTN	26-Aug-97	< 0.02	U					14	D	< 0.02	U	< 0.07	U	62	D	2.9	
W-830-13	RTN	10-Dec-97	< 0.02	U					14	D	< 0.02	U	< 0.07	U	62	D	0.26	
W-830-13	RTN	27-Feb-98	< 0.02	U					13	D	< 0.02	U	< 0.07	U	58	D	0.7	
W-830-13	RTN	22-May-98	0.02						13	DL	< 0.02	U	< 0.07	U	56	D	0.33	
W-830-13	RTN	29-Sep-98	< 0.02	OU					14		< 0.02	U	< 0.07	U	62		0.25	
W-830-13	DUP	29-Sep-98	0.11						12	D	< 0.5	U	< 0.5	U	53	D	< 0.2	U
W-830-13	RTN	8-Dec-98	< 0.02	U					14	D	< 0.02	U	< 0.07	U	63	D	< 0.2	U
W-830-13	RTN	25-Feb-99													59	DH		
W-830-13	DUP	30-Jun-99	0.02						13	DL	< 0.02	U	< 0.07	U	58	DL	0.33	
W-830-13	RTN	30-Jun-99	0.02						13	DL	< 0.02	U	< 0.07	U	58	DL	0.2	
W-830-13	RTN	29-Sep-99	< 0.02	UH					14	D	< 0.02	U	< 0.07	U	62	D	0.2	
W-830-13	DUP	29-Sep-99	< 0.02	U					14	D	< 0.02	U	< 0.07	U	61	D	0.2	
W-830-13	RTN	15-Dec-99	< 0.1	U					13	D	< 0.5	U	< 0.5	U	57	D	< 0.2	U
W-830-13	RTN	28-Jan-00	< 0.1	U					12	D	< 0.5	U	< 0.5	U	54	D	0.5	L

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-13	DUP	28-Jan-00	< 0.1	U					12	D	< 0.5	U	< 0.5	U	54	D	0.76	LB
W-830-13	RTN	23-Jun-00													60.3	D		
W-830-13	RTN	15-Aug-00													64.3			
W-830-13	RTN	17-Nov-00													63.2			
W-830-13	RTN	31-Jan-01													53.1	D		
W-830-13	RTN	17-May-01													50.4			
W-830-13	DUP	17-May-01													48	D		
W-830-13	RTN	25-Sep-01													54	D		
W-830-13	RTN	18-Dec-01													57	D		
W-830-13	RTN	12-Mar-02													63	D		
W-830-13	RTN	21-Mar-03													47	D		
W-830-13	RTN	10-Feb-04													79	DH		
W-830-14	RTN	16-Mar-95											< 0.5	U	< 0.5	U		
W-830-14	RTN	16-Mar-95	0.14														0.51	
W-830-14	RTN	18-May-95	0.58										< 5	U	< 0.5	U	0.61	
W-830-14	DUP	18-May-95	0.48										< 5	U	< 0.5	U	0.82	
W-830-14	RTN	24-Jul-95	1.1	LO									< 0.5	U	< 0.5	U	0.65	
W-830-14	RTN	6-Dec-95	0.65										< 5	DHULO	< 5	DULO	0.7	
W-830-14	RTN	26-Jan-96	0.71										< 5	DULOH	< 0.5	UH	0.95	
W-830-14	RTN	12-Jun-96	1.3	LO					< 0.5	U	< 2.5	DU	< 2.5	DHULO	< 0.5	ULO	1.1	
W-830-14	DUP	12-Jun-96	1.3	LO					< 0.5	U	< 2.5	DU	< 2.5	DHULO	< 0.5	ULO	< 0.5	U
W-830-14	DUP	11-Sep-96	0.71						< 0.1	U	< 0.1	U	< 0.2	U	< 0.4	U	1	L
W-830-14	RTN	11-Sep-96	0.84	LOF					< 0.5	U	< 5	DU	< 5	DULO	< 0.5	LOU	1.4	F
W-830-14	RTN	16-Dec-96	0.95						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.65	
W-830-14	RTN	18-Jun-97	0.92						< 0.5	U	< 0.5	U	< 0.5	HU	1		0.79	
W-830-14	RTN	10-Dec-97	0.62						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.99	
W-830-14	RTN	19-Jun-98	0.82						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.93	
W-830-14	RTN	3-Feb-00	0.89						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1	LD
W-830-14	RTN	21-Jun-00													< 0.88	DU		
W-830-14	RTN	28-Jul-00													4.83	D		
W-830-14	RTN	17-Nov-00													< 0.44	U		
W-830-14	RTN	30-Jan-01													< 0.44	U		
W-830-14	RTN	17-May-01													< 0.44	U		
W-830-14	RTN	19-Sep-01													< 0.89	U		
W-830-14	RTN	26-Dec-01													< 0.4	U		
W-830-14	RTN	12-Mar-02													< 0.44	U		
W-830-14	DUP	12-Mar-02													< 0.5	U		
W-830-14	RTN	20-Jun-02													< 0.44	U		
W-830-14	RTN	12-Aug-02													< 5	DU		
W-830-14	DUP	12-Aug-02													< 0.5	U		
W-830-14	RTN	23-Dec-02													< 0.1	HU		
W-830-14	DUP	14-Mar-03													< 0.88	DU		
W-830-14	RTN	14-Mar-03													< 0.44	U		
W-830-14	RTN	10-Feb-04													6.3	H		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-15	RTN	16-Mar-95											< 0.5	U	< 0.5	U		
W-830-15	RTN	16-Mar-95	1.5														0.72	
W-830-15	RTN	16-May-95	0.86										< 0.5	U	< 0.5	U	0.75	
W-830-15	RTN	21-Jul-95	0.78	LO									< 2.5	DHU	< 0.5	U	0.5	
W-830-15	RTN	1-Dec-95	0.8										< 5	DHULO	< 5	DULO	0.72	
W-830-15	RTN	1-Dec-95	1										< 0.3	HU	< 0.4	U	< 1	U
W-830-15	RTN	22-Jan-96	0.52										< 5	DHU	< 0.5	U	0.71	
W-830-15	RTN	10-Jun-96	1.4						< 0.5	U	< 2.5	DU	< 2.5	DHULO	< 0.5	U	1.2	
W-830-15	RTN	23-Aug-96	< 0.1	U					< 0.5	U	< 5	DU	< 5	DULO	< 0.5	UO	< 0.5	U
W-830-15	RTN	16-Dec-96	1						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.93	
W-830-15	RTN	16-Jun-97	0.89						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.84	L
W-830-15	RTN	12-Dec-97	0.79						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	1	
W-830-15	RTN	19-Jun-98	0.79	D					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.89	
W-830-15	RTN	27-Oct-03													8.6	D		
W-830-15	RTN	26-Oct-04													8.7	D		
W-830-16	RTN	25-Jan-96													< 0.5	U		
W-830-16	RTN	11-Jun-96	1.8						< 0.5	U	< 2.5	DU	< 2.5	DHULO	< 0.5	U	2.2	
W-830-16	RTN	22-Aug-96	1.1						< 0.5	U	< 5	DU	< 5	DULO	< 0.5	UO	1.3	L
W-830-16	RTN	16-Dec-96	1.6	D					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.5	
W-830-16	RTN	16-Jun-97	0.98						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.96	L
W-830-16	RTN	17-Nov-97	1.1	D					< 0.5	U	< 2	DU	2.4	D	< 0.5	U	< 0.2	U
W-830-16	RTN	19-Jun-98	0.87						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	1	
W-830-16	RTN	3-Feb-00	1	D					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.5	D
W-830-16	RTN	22-Jun-00													< 0.88	DU		
W-830-16	RTN	15-May-01													< 0.44	U		
W-830-16	RTN	14-Jun-02													1.1			
W-830-16	RTN	19-Mar-03													3			
W-830-16	RTN	10-Sep-03													3.5			
W-830-16	RTN	10-Feb-04													3.9	H		
W-830-16	DUP	10-Feb-04													3.9	H		
W-830-16	RTN	21-Jul-04													< 5	DU		
W-830-17	RTN	25-Jan-96													78	D		
W-830-17	RTN	11-Jun-96	0.18						11	D	< 2.5	DU	< 2.5	DHULO	48	D	0.74	
W-830-17	RTN	22-Aug-96	< 0.1	U					13		< 5	DU	< 5	DULO	59	O	0.58	L
W-830-17	RTN	16-Dec-96	0.2						13	D	< 0.5	U	< 0.5	U	58	D	0.27	
W-830-17	RTN	20-Feb-97	< 0.1	U					16		< 0.5	U	< 0.5	U	71		0.4	
W-830-17	RTN	16-Jun-97	< 0.1	U					16	D	< 0.5	U	< 0.5	U	72	D	0.33	L
W-830-17	RTN	8-Aug-97	0.04						18.7	D	< 0.02	U	< 0.07	U	82.8	D	< 0.2	U
W-830-17	RTN	17-Nov-97	< 0.1	U					17	D	< 5	DU	< 5	DU	75	D	0.23	
W-830-17	RTN	26-Feb-98	< 0.02	U					18	D	< 0.02	U	< 0.07	U	80	D	0.25	
W-830-17	RTN	22-May-98	0.02						19	D	< 0.02	U	< 0.07	U	86	D	< 0.2	U
W-830-17	RTN	22-Dec-98	< 0.02	U					17	DL	< 0.02	U	< 0.07	U	75	DL	< 0.2	U
W-830-17	RTN	23-Feb-99	< 0.02	U					19	D	< 0.02	U	< 0.07	U	84	D	0.26	
W-830-17	RTN	30-Jun-99	0.02						19	DL	< 0.02	U	< 0.07	U	83	DL	< 0.2	LU

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-17	RTN	29-Sep-99	< 0.02	U					20	D	< 0.02	U	< 0.07	U	90	D	< 0.2	U
W-830-17	RTN	17-Dec-99	< 0.1	U					1.9		< 0.5	U	< 0.5	U	8.5		< 0.2	U
W-830-17	RTN	28-Jan-00	< 0.1	U					19	D	< 0.5	U	< 0.5	U	85	D	0.6	L
W-830-17	RTN	22-Jun-00													89.7	D		
W-830-17	RTN	22-May-01													85.4	DH		
W-830-17	RTN	18-Jun-02													79	D		
W-830-17	RTN	25-Mar-03													87	D		
W-830-17	RTN	10-Feb-04													110	DH		
W-830-18	RTN	28-Jun-96							1.2		< 5	DU			5.5			
W-830-18	RTN	28-Jun-96	< 0.1	ULO					1.2		< 5	DU	< 5	DHULO	5.5		< 0.5	U
W-830-18	RTN	23-Aug-96	< 0.1	U					1.3		< 5	DU	< 5	DULO	5.7	O	< 0.5	U
W-830-18	RTN	13-Dec-96	< 0.1	U					1.1		< 0.5	U	< 0.5	U	4.9		< 0.2	U
W-830-18	RTN	29-May-98	0.02						1.3		< 0.02	U	< 0.07	U	5.6		0.2	
W-830-18	RTN	25-Nov-98	< 0.02	U														
W-830-18	RTN	25-Nov-98															0.29	
W-830-18	RTN	25-Nov-98							< 0.1	U	< 0.02	U			< 0.4	U		
W-830-18	RTN	6-Jun-02													< 0.5	U		
W-830-18	RTN	24-Sep-02													< 0.5	U		
W-830-18	RTN	23-Dec-02													< 0.1	U		
W-830-18	RTN	23-Dec-02							< 0.1	U	< 0.1	U						
W-830-18	RTN	28-Jan-03													0.57			
W-830-18	DUP	28-Jan-03													0.59			
W-830-18	RTN	10-Feb-04													< 0.5	UH		
W-830-19	RTN	28-Jun-96							55	D	< 5	DULO			250	D		
W-830-19	RTN	28-Jun-96	< 0.1	LOU					55	D	< 5	DU	< 5	DHULO	250	D	< 0.5	U
W-830-19	RTN	24-Sep-96	< 0.1	U					43	D	< 0.5	U	< 0.5	HU	190	D	< 0.5	LOU
W-830-19	DUP	13-Dec-96	0.02						46	D	< 0.1	U	< 0.2	U	204	D	1.4	
W-830-19	RTN	13-Dec-96	0.36						39	D	< 0.5	U	< 0.5	U	170	D	0.6	
W-830-19	RTN	6-Mar-97	< 0.1	U					47	D	< 0.5	U	< 0.5	U	210	D	0.57	
W-830-19	RTN	25-Jun-97	2.8	D					43	D	< 0.5	U	< 0.5	U	190	D	0.4	D
W-830-19	RTN	9-Sep-97	0.16						44	D	0.02		0.07		195	D	4.1	
W-830-19	RTN	26-Nov-97	< 0.02	U					45	D	< 0.02	U	< 0.07	U	199	D	0.93	
W-830-19	RTN	24-Feb-98	0.04						41	D	< 0.02	U	< 0.07	U	182	D	0.54	
W-830-19	RTN	24-Feb-98							43	D	< 0.5	U			190	D		
W-830-19	RTN	28-May-98	< 0.02	U					0.96		< 0.02	U	< 0.07	U	4.3		0.5	
W-830-19	RTN	18-Aug-98	< 0.02	U					51	D	< 0.02	U	< 0.07	U	228	D	0.6	
W-830-19	RTN	25-Nov-98	< 0.02	U														
W-830-19	RTN	25-Nov-98															0.66	
W-830-19	RTN	25-Nov-98							49	D	< 0.02	U			219	D		
W-830-19	RTN	25-Feb-99	< 0.02	U					45	D	< 0.02	U	< 0.07	U	198	D	0.57	
W-830-19	RTN	30-Jun-99	< 0.02	U					47	D	< 0.02	U	< 0.07	U	207	D	0.56	L
W-830-19	RTN	21-Sep-99	< 0.02	U					49	D	< 0.02	U	< 0.07	U	215	D	0.57	B
W-830-19	RTN	17-Dec-99	< 0.1	U					5.14		< 0.5	U	< 0.5	U	22.7		0.52	
W-830-19	RTN	31-Jan-00	< 0.1	U					43	DL	< 0.5	U	< 0.5	U	190	DL	0.85	LB

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-19	RTN	20-Jun-00													206	D		
W-830-19	RTN	14-Aug-00													197	D		
W-830-19	RTN	21-Nov-00													187	D		
W-830-19	RTN	29-Jan-01													194	D		
W-830-19	RTN	22-May-01													193	DH		
W-830-19	RTN	19-Sep-01													190	D		
W-830-19	RTN	13-Dec-01													180	D		
W-830-19	RTN	18-Mar-02													190	D		
W-830-19	RTN	11-Jun-02													175	D		
W-830-19	RTN	23-Aug-02													99	D		
W-830-19	RTN	26-Dec-02													190	D		
W-830-19	RTN	26-Dec-02							44	D	< 1	DU						
W-830-19	DUP	19-Mar-03													162	D		
W-830-19	DUP	19-Mar-03			26	DHL			26	DH	< 0.02	U			162	DH		
W-830-19	RTN	19-Mar-03													190	DL		
W-830-19	RTN	19-Mar-03							44	D	< 0.1	LU						
W-830-19	RTN	13-Jan-04													164	D		
W-830-19	RTN	7-Apr-04													156	D		
W-830-19	RTN	14-Jul-04													150	D		
W-830-19	RTN	6-Oct-04													156	D		
W-830-20	RTN	24-Sep-96	0.2						< 10	DU	< 10	DU	< 10	DHU	< 10	DU	0.8	LO
W-830-20	RTN	24-Sep-96							< 0.5	U	< 0.5	U			< 0.5	U		
W-830-20	RTN	24-Sep-96							< 10	DHU	< 10	DU	< 10	DU	< 10	DU		
W-830-20	RTN	18-Dec-96	0.33						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.47	
W-830-20	RTN	28-Feb-97	0.44						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.5	
W-830-20	RTN	19-Jun-97	0.48						< 0.5	U	< 0.5	U	< 0.5	HU	< 0.5	U	0.45	
W-830-20	RTN	8-Sep-97	0.37	F					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.5	
W-830-20	RTN	12-Dec-97	0.34						< 0.1	U	< 0.02	LU	< 0.07	LU	< 0.4	U	0.48	
W-830-20	RTN	19-Mar-98	0.3						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.46	
W-830-20	RTN	22-May-98	0.32						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	UL	0.45	
W-830-20	RTN	29-Sep-98	0.16	O					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.29	
W-830-20	RTN	22-Dec-98	0.18						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.42	
W-830-20	RTN	23-Feb-99	0.13						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.39	
W-830-20	DUP	23-Feb-99	0.1						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.39	
W-830-20	RTN	29-Jun-99	0.11						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.5	
W-830-20	RTN	28-Sep-99	0.17						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.42	
W-830-20	RTN	15-Dec-99	0.2						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.4	
W-830-20	RTN	3-Feb-00	0.2						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.4	
W-830-20	RTN	23-Jun-00													< 0.88	DU		
W-830-20	RTN	22-May-01													0.472	H		
W-830-20	RTN	6-Jun-02													< 0.5	U		
W-830-20	RTN	23-Dec-02													< 0.1	HU		
W-830-20	RTN	14-Mar-03													< 0.44	U		
W-830-20	RTN	8-Sep-03													< 0.88	DU		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-20	RTN	28-Jan-04													< 0.88	DU		
W-830-20	RTN	20-Jul-04													< 0.88	DU		
W-830-21	RTN	19-Sep-96							< 0.5	U	< 5	DULO			< 0.5	LU		
W-830-21	RTN	19-Sep-96	0.59						< 0.5	U	< 5	DU	< 5	DULO	< 0.5	UL	0.67	
W-830-21	RTN	11-Dec-96	0.24						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.84	
W-830-21	DUP	25-Feb-97	0.02						0.2		< 0.1	U	< 0.2	U	0.9		0.7	
W-830-21	RTN	25-Feb-97	0.23						< 0.5	U	0.8		< 0.5	U	< 0.5	U	0.32	
W-830-21	DUP	18-Jun-97	0.02						0.1		< 0.02	U	< 0.07	U	0.4		< 0.2	U
W-830-21	RTN	18-Jun-97	0.1						< 0.5	U	< 0.5	U	< 0.5	HU	1		< 0.2	U
W-830-21	RTN	20-Aug-97	< 0.02	U					0.1		< 0.02	U	< 0.07	U	0.4		0.4	L
W-830-21	RTN	26-Nov-97	< 0.02	U					0.1		< 0.02	U	< 0.07	U	0.4		0.2	
W-830-21	RTN	19-Feb-98	< 0.02	U					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.3	
W-830-21	RTN	28-May-98	< 0.02	U					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	< 0.2	U
W-830-21	RTN	9-Jun-98	< 0.02	U					0.1	L	< 0.02	U	< 0.07	U	0.4	L	< 0.2	U
W-830-21	RTN	29-Sep-98	< 0.02	OU					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.29	
W-830-21	RTN	25-Nov-98	< 0.02	U														
W-830-21	RTN	25-Nov-98															0.2	
W-830-21	RTN	25-Nov-98							< 0.1	U	< 0.02	U			< 0.4	U		
W-830-21	RTN	25-Feb-99	0.03						0.1	L	< 0.02	U	< 0.07	U	0.44	L	0.38	
W-830-21	RTN	29-Jun-99	< 0.02	U					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	< 0.2	U
W-830-21	RTN	16-Sep-99	< 0.02	U					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.8	
W-830-21	RTN	17-Dec-99	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.2	
W-830-21	RTN	28-Jan-00	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	U	0.72		0.66	L
W-830-21	DUP	28-Jan-00	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	U	0.85		0.76	LB
W-830-21	RTN	21-Jun-00													< 0.88	DU		
W-830-21	RTN	28-Jul-00													< 0.88	DU		
W-830-21	DUP	28-Jul-00													0.9	D		
W-830-21	RTN	17-Nov-00													< 0.44	U		
W-830-21	RTN	30-Jan-01													< 0.44	U		
W-830-21	RTN	22-May-01													0.626	H		
W-830-21	RTN	19-Sep-01													< 0.89	U		
W-830-21	DUP	18-Dec-01													1.3			
W-830-21	RTN	18-Dec-01													1.3			
W-830-21	RTN	31-Jan-02													0.76			
W-830-21	SLI	6-Jun-02													< 0.1	U		
W-830-21	SLI	6-Jun-02													0.6			
W-830-21	RTN	12-Aug-02													0.55			
W-830-21	DUP	23-Dec-02													1.1	H		
W-830-21	DUP	23-Dec-02							0.2	H	< 0.1	U						
W-830-21	RTN	23-Dec-02													1.1	H		
W-830-21	RTN	23-Dec-02							0.2	H	< 0.1	U						
W-830-21	RTN	14-Mar-03													< 0.44	U		
W-830-21	RTN	10-Feb-04													0.88	H		
W-830-22	RTN	20-Sep-96							< 0.5	U	< 5	DLOU			< 0.5	LU		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-22	RTN	20-Sep-96	0.65						< 0.5	U	< 5	DU	< 5	DLOU	< 0.5	UL	1.1	
W-830-22	RTN	12-Dec-96	1.2														1.6	
W-830-22	RTN	6-Mar-97	0.88						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.8	
W-830-22	RTN	25-Jun-97	0.43						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.89	
W-830-22	RTN	9-Sep-97	0.35						0.1		0.06		0.2		0.4		0.8	
W-830-22	RTN	26-Nov-97	0.27						0.1		0.07	H	0.23	H	0.4		0.65	
W-830-22	RTN	25-Feb-98	0.27						< 0.1	U	0.08		0.26		< 0.4	U	0.66	
W-830-22	RTN	28-May-98	0.34						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.83	
W-830-22	RTN	18-Aug-98	16	D					< 0.1	U	< 0.02	U	< 0.07	UE	< 0.4	U	19	
W-830-22	RTN	25-Nov-98	8.9	D														
W-830-22	RTN	25-Nov-98															10	
W-830-22	RTN	25-Nov-98							< 0.1	U	< 0.02	U			< 0.4	U		
W-830-22	RTN	17-Dec-99	2.6	D					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	3.5	D
W-830-22	RTN	31-Jan-00	2	D					0.57	L	< 0.5	U	< 0.5	U	2.5	L	4.2	DLB
W-830-22	RTN	20-Jun-00													< 0.44	U		
W-830-22	RTN	10-Aug-00													< 0.44	U		
W-830-22	RTN	16-Nov-00													< 0.88	DU		
W-830-22	RTN	29-Jan-01													< 0.44	U		
W-830-22	RTN	18-May-01													< 0.44	U		
W-830-22	DUP	18-May-01													< 0.44	U		
W-830-22	RTN	19-Sep-01													< 0.89	U		
W-830-22	RTN	30-Nov-01													0.6			
W-830-22	RTN	18-Mar-02													4.7			
W-830-22	RTN	11-Jun-02													4.6			
W-830-22	RTN	23-Aug-02													7.8	D		
W-830-22	RTN	26-Dec-02													5.2	D		
W-830-22	RTN	26-Dec-02							1.2	D	< 1	DU						
W-830-22	RTN	19-Mar-03													5.4			
W-830-22	RTN	19-Mar-03							1.2		< 0.1	U						
W-830-22	RTN	28-Jan-04													160	D		
W-830-25	RTN	12-Mar-97	0.12						19	D	< 0.5	U	< 0.5	U	85	D	0.48	
W-830-25	RTN	26-Jun-97	< 0.1	U					18	D	< 0.5	U	< 0.5	U	82	D	< 0.2	U
W-830-25	RTN	24-Feb-98	0.02						18	D	< 0.02	U	< 0.07	U	80	D	1	
W-830-25	RTN	24-Feb-98							17	D	< 0.5	U			75	D		
W-830-25	RTN	10-Jun-98	< 0.02	U					24	D	< 0.02	U	< 0.07	U	108	D	0.46	
W-830-25	RTN	19-Aug-98	< 0.02	U					40	D	< 0.02	U	< 0.07	U	177	D	0.6	
W-830-25	DUP	19-Aug-98	< 0.02	U					40	D	0.02		0.07		175	D	0.7	
W-830-25	RTN	25-Nov-98	0.1															
W-830-25	RTN	25-Nov-98															0.97	
W-830-25	RTN	25-Nov-98							24	D	< 0.02	U			107	D		
W-830-25	RTN	24-Feb-99	0.04						16	D	< 0.02	U	< 0.07	U	72	D	0.9	
W-830-25	RTN	30-Jun-99	0.04						15	D	< 0.02	U	< 0.07	U	65	D	0.7	L
W-830-25	RTN	16-Aug-00													86.7	D		
W-830-25	RTN	28-Nov-00													108	D		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-25	RTN	26-Feb-01													108	D		
W-830-25	RTN	30-May-01													103	D		
W-830-25	RTN	20-Sep-01													99			
W-830-25	RTN	21-Dec-01													53	D		
W-830-25	RTN	14-Mar-02													84	LOD		
W-830-25	RTN	11-Jun-02													82	D		
W-830-25	RTN	12-Aug-02													81	D		
W-830-25	RTN	30-Dec-02							17	D	< 0.1	U			74	D		
W-830-25	RTN	24-Mar-03													77	D		
W-830-25	RTN	9-Feb-04													90	D		
W-830-26	RTN	20-Sep-96							1.5		< 5	DLOU			6.6	L		
W-830-26	RTN	20-Sep-96	< 0.1	U					1.5		< 5	DU	< 5	DLOU	6.6	L	< 0.5	U
W-830-26	RTN	13-Dec-96	< 0.1	U					1.4		< 0.5	U	< 0.5	U	6.2		0.22	
W-830-26	DUP	13-Dec-96	< 0.1	U					1.4		< 0.5	U	< 0.5	U	6.2		0.21	
W-830-26	RTN	11-Mar-97	0.12						1.1		< 0.5	U	< 0.5	U	4.8		0.7	
W-830-26	RTN	25-Jun-97	0.15						1.1		< 0.5	U	< 0.5	U	4.7		< 0.2	U
W-830-26	RTN	9-Sep-97	0.02						1.8		0.02		0.07		8		0.3	
W-830-26	DUP	10-Dec-97	< 0.02	U					1.4		< 0.02	U	< 0.07	U	6.2		< 0.2	U
W-830-26	RTN	10-Dec-97	< 0.1	U					1.5		< 0.5	U	< 0.5	U	6.6		0.31	
W-830-26	RTN	17-Mar-98	< 0.02	U					1.8		< 0.02	U	< 0.07	U	8		0.62	
W-830-26	RTN	15-Jun-98	< 0.02	U					2		< 0.02	U	< 0.07	U	8.7		0.38	
W-830-26	RTN	19-Aug-98	0.08						0.5	D	0.08		0.25		2.2	D	0.4	
W-830-26	RTN	25-Nov-98	0.09															
W-830-26	RTN	25-Nov-98															0.29	
W-830-26	RTN	25-Nov-98							0.64		0.1				2.8			
W-830-26	RTN	24-Feb-99	0.03						0.67		< 0.02	U	< 0.07	U	3		0.32	
W-830-26	RTN	30-Jun-99	0.02						0.37	L	< 0.02	U	< 0.07	U	1.6	L	< 0.2	UL
W-830-26	RTN	30-Sep-99	0.07						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.33	L
W-830-26	RTN	17-Dec-99	0.1						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.2	
W-830-26	RTN	2-Feb-00	< 0.1	LU					1		< 0.5	U	< 0.5	U	4.6		< 0.2	U
W-830-26	DUP	2-Feb-00	< 0.1	LU					0.89		< 0.5	U	< 0.5	U	3.9		0.2	
W-830-26	RTN	20-Jun-00													1.2			
W-830-26	DUP	20-Jun-00													< 2.2	DU		
W-830-26	RTN	10-Aug-00													0.45			
W-830-26	DUP	16-Nov-00													< 0.88	DU		
W-830-26	RTN	16-Nov-00													< 0.88	DU		
W-830-26	RTN	29-Jan-01													< 0.44	U		
W-830-26	RTN	18-May-01													< 0.44	U		
W-830-26	RTN	20-Sep-01													< 0.89	U		
W-830-26	RTN	30-Nov-01													< 0.5	U		
W-830-26	RTN	14-Mar-02													1.2	LO		
W-830-26	RTN	19-Mar-03													1.7			
W-830-26	RTN	19-Mar-03							0.37		< 0.1	U						
W-830-26	DUP	29-Jan-04													0.46			

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-26	RTN	29-Jan-04													0.55			
W-830-27	RTN	19-Sep-96							30	D	< 10	DULO			130	DL		
W-830-27	RTN	19-Sep-96	< 0.1	U					30	D	< 5	DU	< 5	DULO	130	DL	< 0.5	U
W-830-27	RTN	12-Dec-96	< 0.1	U													0.28	
W-830-27	RTN	12-Mar-97	0.2						7.9	D	< 0.5	U	< 0.5	U	35	D	0.69	
W-830-27	RTN	26-Jun-97	< 0.1	U					7.5	D	< 0.5	U	< 0.5	U	33	D	< 0.2	U
W-830-27	RTN	28-Aug-97	0.02						8	D	< 0.02	U	< 0.07	U	35.4	D	0.3	
W-830-27	RTN	10-Dec-97	0.03						8.3	D	< 0.02	U	< 0.07	U	37	D	0.5	
W-830-27	RTN	24-Feb-98	0.02						6.2	D	0.08		0.26		27	D	0.42	
W-830-27	RTN	10-Jun-98	< 0.02	U					28	D	< 0.02	U	< 0.07	U	126	D	0.4	
W-830-27	RTN	19-Aug-98	< 0.02	U					12	D	< 0.02	U	< 0.07	U	55	D	0.6	
W-830-27	RTN	25-Nov-98	< 0.02	U														
W-830-27	RTN	25-Nov-98															0.36	
W-830-27	RTN	25-Nov-98							9	D	< 0.02	U			40	D		
W-830-27	DUP	24-Feb-99	0.03						8.3	D	< 0.02	U	< 0.07	U	37	D	0.51	
W-830-27	RTN	24-Feb-99	0.12						8	D	< 0.5	DU	< 0.5	DU	35	D	0.37	
W-830-27	RTN	30-Jun-99	< 0.02	U					8.9	D	< 0.02	U	< 0.07	U	40	D	0.2	L
W-830-27	RTN	21-Sep-99	< 0.02	U					11	D	< 0.02	U	< 0.07	U	51	D	0.42	B
W-830-27	RTN	17-Dec-99	< 0.1	U					1.5		< 0.5	U	< 0.5	U	6.6		0.52	
W-830-27	RTN	31-Jan-00	< 0.1	U					12	DL	< 0.5	U	< 0.5	U	53	DL	0.72	LB
W-830-27	RTN	22-Jun-00													57.4	D		
W-830-27	RTN	28-Jul-00													100	D		
W-830-27	RTN	28-Nov-00													59.8	D		
W-830-27	RTN	26-Feb-01													64	D		
W-830-27	RTN	31-May-01													102	D		
W-830-27	RTN	20-Sep-01													110			
W-830-27	RTN	19-Dec-01													96	D		
W-830-27	RTN	14-Mar-02													85	LOD		
W-830-27	RTN	11-Jun-02													89.7	D		
W-830-27	RTN	26-Sep-02													160	D		
W-830-27	RTN	30-Dec-02							16	D	< 0.1	U			70	D		
W-830-27	RTN	24-Mar-03													83	D		
W-830-27	RTN	9-Feb-04													87	D		
W-830-28	RTN	23-Sep-96	0.19														< 0.5	LOU
W-830-28	RTN	12-Dec-96	0.25														0.47	
W-830-28	RTN	12-Mar-97	0.1						4.6	D	< 0.5	U	< 0.5	U	20	D	0.56	
W-830-28	RTN	25-Jun-97	0.22						4.3	D	< 0.5	U	< 0.5	U	19	D	0.27	
W-830-28	RTN	28-Aug-97	0.08						4.7	D	0.11		0.36		20.8	D	1	
W-830-28	RTN	10-Dec-97	0.5						4		0.55		1.8		18		1.4	
W-830-28	RTN	25-Feb-98	0.43						3.4		0.46		1.5		15		0.78	
W-830-28	RTN	10-Jun-98	0.1						4.8	D	0.1		0.33		21	D	0.59	
W-830-28	RTN	19-Aug-98	0.86						2.9		0.32	D	1.1	D	13		1.4	
W-830-28	RTN	25-Nov-98	0.11															
W-830-28	RTN	25-Nov-98															1.8	

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-28	RTN	25-Nov-98							2.1		2.2	D			9.2			
W-830-28	RTN	24-Feb-99	1	D					0.1		1.9	D	6.4	D	0.4		2	
W-830-28	RTN	30-Jun-99	1.3	D					< 0.1	U	2.2	D	7.4	D	< 0.4	U	1.8	L
W-830-28	RTN	20-Sep-99	1.1	D					1.3		1.8	D	6	D	5.9		2	
W-830-28	DUP	20-Dec-99	1.3	D					< 0.5	U	1.7	D	5.68	D	1.1		2.1	D
W-830-28	RTN	20-Dec-99	1.3	D					< 0.5	U	1.7	D	5.55	D	1.4		2.1	D
W-830-28	RTN	31-Jan-00	2	D					0.58	L	1.7	DL	5.5	DL	2.6	L	2.1	DLB
W-830-28	DUP	22-Jun-00													2.8	D		
W-830-28	RTN	22-Jun-00													3.2	D		
W-830-28	RTN	28-Jul-00													4.2	D		
W-830-28	RTN	28-Nov-00													3	D		
W-830-28	RTN	26-Feb-01													1.5	D		
W-830-28	RTN	24-May-01													2	D		
W-830-28	DUP	24-May-01													0.8			
W-830-28	RTN	20-Sep-01													4.7			
W-830-28	RTN	19-Dec-01													4.6			
W-830-28	RTN	14-Mar-02													6.1	LO		
W-830-28	DUP	30-Dec-02							1.4		2.1				6.1			
W-830-28	RTN	30-Dec-02							1.3		2.3	D			5.7			
W-830-28	RTN	24-Mar-03													10			
W-830-28	RTN	9-Feb-04													8.1			
W-830-29	RTN	17-Mar-97							< 0.5	U	< 0.5	U			< 0.5	U		
W-830-29	RTN	17-Mar-97	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.58	
W-830-29	RTN	25-Jun-97	0.2						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.23	
W-830-29	DUP	9-Sep-97	0.17						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.2	
W-830-29	RTN	9-Sep-97	0.15						< 0.5	U	< 0.5	UO	< 0.5	U	< 0.5	U	0.42	
W-830-29	RTN	24-Nov-97	0.15						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	< 0.2	U
W-830-29	RTN	19-Mar-98	0.15						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.2	
W-830-29	RTN	15-Jun-98	0.17						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	< 0.2	U
W-830-29	RTN	18-Aug-98	0.15						< 0.1	U	< 0.02	U	< 0.07	UE	< 0.4	U	0.3	
W-830-29	RTN	15-Dec-98	0.16						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.31	
W-830-29	RTN	24-Feb-99	0.12						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.32	
W-830-29	RTN	29-Jun-99	0.11						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.3	
W-830-29	RTN	3-Feb-00	0.42						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.58	
W-830-29	RTN	20-Jun-00													< 0.4	U		
W-830-29	RTN	18-May-01													< 0.44	U		
W-830-29	DUP	17-Jun-02													< 0.44	U		
W-830-29	RTN	17-Jun-02													< 0.44	U		
W-830-29	RTN	19-Mar-03													< 0.5	LU		
W-830-29	RTN	19-Mar-03							< 0.1	U	< 0.1	LU						
W-830-29	RTN	29-Jan-04													< 0.5	U		
W-830-30	RTN	11-Mar-97							7.1	D	< 0.5	U	< 0.5	U	31	D		
W-830-30	RTN	11-Mar-97							7.1	D	< 0.5	U			31	D		
W-830-30	RTN	11-Mar-97	< 0.1	U					7.1	D	< 0.5	U	< 0.5	U	31	D	0.67	

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L		Nitrate and Nitrite as N mg/L		Nitrate and Nitrite as NO3 mg/L		Nitrate as N mg/L		Nitrite as N mg/L		Nitrite as NO2 mg/L		Nitrate as NO3 mg/L		Total Kjeldahl Nitrogen mg/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-30	RTN	25-Jun-97	< 0.1	U					8.9	D	< 0.5	U	< 0.5	U	39	D	< 0.2	U
W-830-30	RTN	28-Aug-97	0.03						10	D	0.03		0.1		44.3	D	0.3	
W-830-30	RTN	26-Nov-97	< 0.02	U					9.8	D	< 0.02	U	< 0.07	U	43	D	0.7	
W-830-30	RTN	26-Nov-97	< 0.1	U					20		2.5		6.6		89		0.56	
W-830-30	RTN	25-Feb-98	0.02						23	D	0.05		0.16		102	D	0.42	
W-830-30	RTN	25-Feb-98							22	D	< 0.5	U			97	D		
W-830-30	RTN	28-May-98	< 0.02	U					21	D	< 0.02	U	< 0.07	U	95	D	0.5	
W-830-30	RTN	10-Jun-98	< 0.02	U					20	D	< 0.02	U	< 0.07	U	87	D	0.33	
W-830-30	RTN	18-Aug-98	0.08						25	D	< 0.02	U	< 0.07	UE	111	D	0.4	
W-830-30	RTN	25-Feb-99	0.02						19	DL	< 0.02	U	< 0.07	U	85	DL	0.51	
W-830-30	RTN	30-Jun-99	0.04						20	D	< 0.02	U	< 0.07	U	88	D	0.7	L
W-830-30	RTN	21-Sep-99	< 0.02	U					23	D	< 0.02	U	< 0.07	U	103	D	0.57	B
W-830-30	DUP	21-Sep-99	< 0.02	U					23	D	< 0.02	U	< 0.07	U	102	D	0.5	B
W-830-30	RTN	20-Dec-99	< 0.1	U					24	D	< 0.5	U	< 0.5	U	110	D	0.4	
W-830-30	RTN	20-Dec-99	< 0.1	U					25	D	< 0.5	U	< 0.5	U	110	D	0.4	
W-830-30	RTN	1-Feb-00	< 0.1	U					24	D	< 0.5	U	< 0.5	U	110	D	0.2	L
W-830-30	RTN	20-Jun-00													119	D		
W-830-30	RTN	14-Aug-00													123	D		
W-830-30	RTN	20-Nov-00													124	D		
W-830-30	RTN	29-Jan-01													125	D		
W-830-30	RTN	23-May-01													129	D		
W-830-30	RTN	19-Sep-01													130	D		
W-830-30	RTN	30-Nov-01													120	D		
W-830-30	RTN	18-Mar-02													120	D		
W-830-30	DUP	11-Jun-02													122	D		
W-830-30	RTN	11-Jun-02													122	D		
W-830-30	RTN	13-Aug-02													150	D		
W-830-30	RTN	27-Dec-02													99	DH		
W-830-30	RTN	27-Dec-02							22	DH	< 0.1	HU						
W-830-30	RTN	30-Oct-03													110	D		
W-830-30	DUP	30-Oct-03													120	D		
W-830-30	RTN	27-Jul-04													110	D		
W-830-34	RTN	11-Mar-97							23	D	< 0.5	U	< 0.5	U	100	D		
W-830-34	RTN	11-Mar-97							23	D	< 0.5	U			100	D		
W-830-34	RTN	11-Mar-97	< 0.1	U					23	D	< 0.5	U	< 0.5	U	100	D	0.51	
W-830-34	RTN	25-Jun-97	< 0.1	U					22	D	< 0.5	U	< 0.5	U	99	D	< 0.2	U
W-830-34	RTN	28-Aug-97	< 0.02	U					22	D	< 0.02	U	< 0.07	U	97	D	< 0.2	U
W-830-34	RTN	26-Nov-97	0.04						22	D	< 0.02	U	< 0.07	U	97	D	0.65	
W-830-34	RTN	10-Mar-98	0.02						23	D	0.02		0.07		102	D	0.6	
W-830-34	RTN	10-Mar-98							21	D	< 0.5	U			93	D		
W-830-34	RTN	28-May-98	0.02						30	D	< 0.02	U	< 0.07	U	132	D	0.37	
W-830-34	RTN	10-Jun-98	0.05						24	D	< 0.02	U	< 0.07	U	108	D	0.72	
W-830-34	RTN	18-Sep-98	< 0.02	U					24	D	< 0.02	U	< 0.07	U	107	D	0.66	
W-830-34	DUP	25-Feb-99	0.13						24	D	0.02		0.07		108	D	1.1	

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L		Nitrate and Nitrite as N mg/L		Nitrate and Nitrite as NO3 mg/L		Nitrate as N mg/L		Nitrite as N mg/L		Nitrite as NO2 mg/L		Nitrate as NO3 mg/L		Total Kjeldahl Nitrogen mg/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-34	RTN	25-Feb-99	0.21						23	DH	< 0.5	U	< 0.5	U	100	DH	< 0.2	U
W-830-34	RTN	30-Jun-99	< 0.02	U					24	D	0.03		0.08		108	D	< 0.2	UL
W-830-34	RTN	21-Sep-99	0.02						28	D	< 0.02	U	< 0.07	U	123	D	0.87	B
W-830-34	RTN	20-Dec-99	< 0.1	U					23	D	< 0.5	U	< 0.5	U	100	D	< 0.2	U
W-830-34	RTN	16-Mar-00					118											
W-830-34	RTN	17-Mar-00	< 0.1	U					27	D	< 0.5	U	< 0.5	U	120	D	0.3	L
W-830-34	RTN	20-Jun-00													122	D		
W-830-34	RTN	14-Aug-00													122	D		
W-830-34	DUP	14-Aug-00													120	D		
W-830-34	RTN	20-Nov-00													114	D		
W-830-34	RTN	29-Jan-01													114	D		
W-830-34	RTN	3-May-01													105	D		
W-830-34	RTN	19-Sep-01													110	D		
W-830-34	RTN	30-Nov-01													110	D		
W-830-34	RTN	18-Mar-02													110	D		
W-830-34	RTN	11-Jun-02													110	D		
W-830-34	RTN	23-Aug-02													110	D		
W-830-34	RTN	27-Dec-02													120	DH		
W-830-34	RTN	27-Dec-02							27	DH	< 0.1	HU						
W-830-34	RTN	30-Oct-03													120	D		
W-830-34	RTN	27-Jul-04													1400	D		
W-830-49	RTN	15-Jun-98	0.03						113	D	0.05		0.17		501	D	1.6	
W-830-49	RTN	15-Jun-98							100	D	< 0.5	HUD			440	D		
W-830-49	RTN	19-Aug-98	< 0.02	U					60	D	0.02		0.07		265	D	0.8	
W-830-49	HYI	10-Nov-98													250	D		
W-830-49	RTN	15-Dec-98	0.3						47	D	0.49		1.6		210	D	0.91	
W-830-49	RTN	15-Dec-98							46	D	0.2				205	D		
W-830-49	DUP	25-Feb-99	0.02						43	DL	0.19		0.64		190	DL	0.48	
W-830-49	RTN	25-Feb-99	< 0.02	U					43	DL	0.18		0.59		190	DL	0.45	
W-830-49	RTN	30-Jun-99	0.08						39	DL	0.41		1.4		174	DL	0.33	L
W-830-49	RTN	16-Mar-00					109											
W-830-49	RTN	17-Mar-00	< 0.1	U					37	D	< 0.5	U	< 0.5	U	160	D	0.4	L
W-830-49	RTN	20-Jun-00													177	D		
W-830-49	RTN	14-Aug-00													176	D		
W-830-49	DUP	14-Aug-00													174	D		
W-830-49	RTN	16-Nov-00													171	D		
W-830-49	RTN	31-Jan-01													174	D		
W-830-49	RTN	3-May-01													154	D		
W-830-49	RTN	30-Aug-01													162	D		
W-830-49	DUP	30-Aug-01													150	D		
W-830-49	RTN	30-Nov-01													160	D		
W-830-49	RTN	18-Mar-02													160	D		
W-830-49	RTN	17-Jun-02													153	D		
W-830-49	RTN	17-Jun-02			37	DH			37	DH	0.02				170	DH		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-49	RTN	23-Aug-02													160	D		
W-830-49	RTN	27-Dec-02													150	DH		
W-830-49	RTN	27-Dec-02							35	DH	0.64	H						
W-830-49	RTN	21-Mar-03													170	D		
W-830-49	RTN	28-Jan-04													5.1			
W-830-50	RTN	1-Apr-99							5.1	D	< 0.02	U			23	D		
W-830-50	RTN	1-Jul-99	0.02						3.4		< 0.02	U	< 0.07	U	15		< 0.2	U
W-830-50	RTN	14-Sep-99							< 0.5	LSU	< 0.5	U			< 0.5	SU		
W-830-50	RTN	20-Dec-99	< 0.1	U					3.4		< 0.5	U	< 0.5	U	15		< 0.2	U
W-830-50	RTN	15-Mar-00	< 0.1	U					3.2		< 0.5	U	< 0.5	U	14		0.2	
W-830-50	RTN	15-Mar-00					13.9											
W-830-50	RTN	21-Jun-00	< 0.1	U	3.3				3.3		< 0.5	U	< 0.5	U	14		< 0.2	U
W-830-50	RTN	31-Jul-00							3						13			
W-830-50	RTN	29-Nov-00	< 0.1	HU	3	H			3	H	< 0.5	U	< 0.5	U	13	H	0.5	HL
W-830-50	RTN	12-Feb-01	< 0.1	ULH	2.5	H			2.5	H	< 0.5	U	< 0.5	U	11.1	H	0.2	H
W-830-50	RTN	3-May-01	< 0.2	HLU					0.318	L	< 0.03	U	< 0.1	U	14.1		< 0.5	HLU
W-830-50	RTN	19-Sep-01													16			
W-830-50	RTN	19-Sep-01	< 0.2	U					3.7									
W-830-50	RTN	19-Sep-01							3.2		< 0.05	U			2.9	D	< 0.5	HU
W-830-50	RTN	19-Dec-01													16			
W-830-50	RTN	19-Dec-01	< 0.05	U														
W-830-50	RTN	19-Dec-01							3.6		< 2	U						
W-830-50	RTN	19-Dec-01											< 5	ULO			< 0.5	HUL
W-830-50	RTN	12-Mar-02													16			
W-830-50	RTN	12-Mar-02	< 0.25	HU					3.7		< 0.1	U	< 0.5	U			< 0.5	HLU
W-830-50	RTN	12-Jun-02													16.3			
W-830-50	RTN	19-Aug-02													15.4			
W-830-50	RTN	26-Dec-02													16	D		
W-830-50	RTN	26-Dec-02							3.6	D	< 1	DU						
W-830-50	RTN	25-Mar-03													16			
W-830-50	RTN	25-Mar-03							3.6		< 0.1	U						
W-830-50	RTN	10-Feb-04													11	H		
W-830-51	HYI	10-Jun-99													21			
W-830-51	HYI	10-Jun-99													51			
W-830-51	RTN	10-Sep-99							13	D	< 0.02	U			57	D		
W-830-51	RTN	21-Dec-99	< 0.1	U					3.8	L	< 0.5	U	< 0.5	U	17	L	0.2	
W-830-51	RTN	21-Dec-99	< 0.1	U					3.5	L	< 0.5	U	< 0.5	U	15	L	0.2	
W-830-51	RTN	16-Feb-00	< 0.1	U					3.5		< 0.5	U	< 0.5	U	16		0.2	
W-830-51	RTN	22-Jun-00	< 0.1	U	3				2.9		< 0.5	U	< 0.5	U	13		0.2	
W-830-51	RTN	17-Aug-00	< 0.1	U	13	D			13	D	< 0.5	U	< 0.5	U	58	D	0.4	L
W-830-51	RTN	11-Dec-00	< 0.1	HU	15	DH			15	DH	< 0.5	U	< 0.5	U	66	DH	0.3	
W-830-51	DUP	11-Dec-00	< 0.1	HU					9.4	D	< 0.1	U	< 0.1	U	42	D	0.2	H
W-830-51	RTN	30-Mar-01	< 0.1	HU	13	DH			13	DH	< 0.5	HU	< 0.5	HU	60	DH	< 0.2	HU

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-51	RTN	26-Jun-01							15	DH					67	DH		
W-830-51	DUP	26-Jun-01							15	DH					67	DH		
W-830-51	RTN	13-Sep-01													53	D		
W-830-51	RTN	13-Sep-01	< 0.2	U														
W-830-51	RTN	13-Sep-01							12	D	< 0.03	U						
W-830-51	RTN	13-Sep-01											< 0.1	U			< 0.5	HU
W-830-51	RTN	26-Nov-01													68			
W-830-51	RTN	26-Nov-01	< 0.1	HU	17	DH			17	DH	< 0.5	U	< 0.5	U	77	DH	< 0.2	HU
W-830-51	RTN	23-Jan-02													59	D		
W-830-51	RTN	23-Jan-02	0.95	HL					13	D	< 0.1	U	< 0.5	U			< 0.5	HU
W-830-51	RTN	22-May-02													28	D		
W-830-51	RTN	8-Aug-02													68	D		
W-830-51	RTN	24-Oct-02													59	D		
W-830-51	RTN	15-Jan-03													60	DL		
W-830-51	RTN	16-Apr-03													56	D		
W-830-51	RTN	9-Jul-03													63.6			
W-830-51	RTN	8-Oct-03													65	D		
W-830-51	RTN	13-Jan-04													63.7	H		
W-830-51	RTN	7-Apr-04													60.8			
W-830-51	RTN	14-Jul-04													60.7			
W-830-51	RTN	6-Oct-04													63.5			
W-830-52	HYI	9-Jun-99													60	D		
W-830-52	HYI	9-Jun-99													60	D		
W-830-52	RTN	15-Feb-00							11	D	0.02				50	D		
W-830-52	RTN	15-Mar-00					43.7											
W-830-52	RTN	22-Jun-00													35	D		
W-830-52	RTN	31-Jul-00													67.2	D		
W-830-52	RTN	28-Nov-00													64.5	D		
W-830-52	RTN	30-Mar-01													54.5			
W-830-52	RTN	22-Jun-01													68.9			
W-830-52	RTN	13-Sep-01													63	D		
W-830-52	RTN	13-Sep-01	< 0.2	U														
W-830-52	RTN	13-Sep-01							14	D	< 0.03	U						
W-830-52	RTN	13-Sep-01											< 0.1	U			< 0.5	HU
W-830-52	RTN	26-Nov-01													37.9			
W-830-52	RTN	23-Jan-02							15	D	< 0.1		< 0.5		65	D		
W-830-52	RTN	22-May-02													64	D		
W-830-52	RTN	8-Aug-02													68	D		
W-830-52	RTN	24-Oct-02													63	D		
W-830-52	RTN	15-Jan-03													63	DL		
W-830-52	RTN	16-Apr-03													61	D		
W-830-52	RTN	9-Jul-03													67.9			
W-830-52	RTN	8-Oct-03													70.3			
W-830-52	RTN	13-Jan-04													67.5	H		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-52	RTN	14-Apr-04													65.2			
W-830-52	RTN	14-Jul-04													65.1			
W-830-52	RTN	6-Oct-04													66.8			
W-830-53	HYI	11-Jun-99													39			
W-830-53	HYI	11-Jun-99													38			
W-830-53	RTN	15-Feb-00							10.1	D	< 0.02	U			44.5	D		
W-830-53	RTN	22-Jun-00													39.8	D		
W-830-53	RTN	31-Jul-00													44.5	D		
W-830-53	RTN	28-Nov-00													47.8			
W-830-53	RTN	30-Mar-01													49.2			
W-830-53	RTN	21-Jun-01													52.3			
W-830-53	RTN	13-Sep-01													49	D		
W-830-53	RTN	13-Sep-01	< 0.2	U														
W-830-53	RTN	13-Sep-01							11	D	< 0.03	U						
W-830-53	RTN	13-Sep-01											< 0.1	U			< 0.5	HU
W-830-53	RTN	26-Nov-01													50.4			
W-830-53	RTN	23-Jan-02							11	D	< 0.1		< 0.5		47	D		
W-830-53	RTN	22-May-02													50	D		
W-830-53	RTN	8-Aug-02													49	D		
W-830-53	RTN	24-Oct-02													50	D		
W-830-53	RTN	15-Jan-03													54	DL		
W-830-53	RTN	16-Apr-03													48	D		
W-830-53	RTN	9-Jul-03													56.4			
W-830-53	RTN	8-Oct-03													57.4			
W-830-53	RTN	13-Jan-04													57.1	H		
W-830-53	RTN	7-Apr-04													53.7			
W-830-53	RTN	14-Jul-04													53.4			
W-830-53	RTN	6-Oct-04													54.4			
W-830-54	RTN	18-Feb-00							0.79		< 0.02	U			3.5			
W-830-54	RTN	22-Jun-00													3.3	D		
W-830-54	RTN	18-Aug-00													3			
W-830-54	RTN	29-Nov-00													2.5			
W-830-54	RTN	21-Feb-01													2.1			
W-830-54	RTN	31-May-01													1.8			
W-830-54	RTN	20-Sep-01													3.1			
W-830-54	RTN	18-Dec-01													2			
W-830-54	RTN	13-Mar-02													2			
W-830-54	RTN	18-Jun-02													1.7			
W-830-54	RTN	26-Sep-02													2.1			
W-830-54	RTN	19-Mar-03													2.2	L		
W-830-54	RTN	17-Feb-04													< 5	DUL		
W-830-55	RTN	18-Feb-00							2.1		< 0.02	U			9.3			
W-830-55	RTN	22-Jun-00													2.2	D		
W-830-55	RTN	17-Aug-00													2.4			

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-55	RTN	29-Nov-00													2.3			
W-830-55	RTN	21-Feb-01													3.8			
W-830-55	DUP	21-Feb-01													3.9			
W-830-55	RTN	31-May-01													4.87			
W-830-55	DUP	20-Sep-01													6.8			
W-830-55	RTN	20-Sep-01													6.6			
W-830-55	RTN	18-Dec-01													4.3			
W-830-55	RTN	13-Mar-02													4.2			
W-830-55	RTN	18-Jun-02													39	D		
W-830-55	DUP	26-Sep-02													4			
W-830-55	RTN	26-Sep-02													4			
W-830-55	RTN	25-Mar-03													5			
W-830-55	RTN	17-Feb-04													< 5	DUL		
W-830-56	RTN	11-Feb-00							4.6	D	< 0.02	U			20	D		
W-830-56	RTN	23-Jun-00													13.9	D		
W-830-56	RTN	17-Aug-00													13.4			
W-830-56	RTN	29-Nov-00													13.4			
W-830-56	RTN	31-Jan-01													13.8	D		
W-830-56	RTN	24-May-01													19.4			
W-830-56	RTN	24-Sep-01													21	D		
W-830-56	RTN	20-Dec-01													22	D		
W-830-56	RTN	13-Mar-02													23	D		
W-830-56	DUP	13-Mar-02													24	D		
W-830-56	RTN	12-Jun-02													23			
W-830-56	RTN	12-Aug-02													24	D		
W-830-56	RTN	14-Mar-03													23.9			
W-830-56	RTN	18-Feb-04													27	DL		
W-830-56	DUP	18-Feb-04													28	DL		
W-830-57	RTN	18-Jan-00													14.4	D		
W-830-57	RTN	18-Jan-00													13.8	D		
W-830-57	RTN	18-Jan-00													13.9	D		
W-830-57	RTN	30-Mar-00							3.4		< 0.02	U			15			
W-830-57	RTN	22-Jun-00													16.6	D		
W-830-57	RTN	16-Aug-00													17.4	D		
W-830-57	RTN	11-Sep-00													16.9	D		
W-830-57	RTN	4-Oct-00													17	D		
W-830-57	RTN	7-Nov-00													16.2	D		
W-830-57	DUP	7-Nov-00													16.4	D		
W-830-57	RTN	11-Dec-00													16.1	D		
W-830-57	RTN	22-Jan-01													17.1	D		
W-830-57	RTN	20-Feb-01													17			
W-830-57	RTN	8-Mar-01													16.9	D		
W-830-57	RTN	11-Apr-01													8.96			
W-830-57	RTN	10-May-01													17.1	D		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-57	RTN	14-Jun-01													16.8			
W-830-57	RTN	19-Jul-01													16.6	D		
W-830-57	RTN	20-Aug-01													17.3			
W-830-57	RTN	13-Sep-01													17			
W-830-57	RTN	3-Oct-01													17.3	D		
W-830-57	RTN	18-Oct-01													16.5	D		
W-830-57	RTN	13-Nov-01													17.1			
W-830-57	RTN	17-Jan-02													19.4	D		
W-830-57	RTN	12-Feb-02													17.3	D		
W-830-57	RTN	11-Mar-02													16.2	D		
W-830-57	RTN	10-Apr-02													16.7			
W-830-57	RTN	7-May-02													17.6	D		
W-830-57	RTN	17-Jun-02													17.5	D		
W-830-57	RTN	15-Jul-02													17.1	D		
W-830-57	RTN	8-Aug-02													17.2	D		
W-830-57	RTN	16-Sep-02													17.7			
W-830-57	RTN	21-Oct-02													16.9	D		
W-830-57	RTN	6-Apr-04													16.8	D		
W-830-57	RTN	25-Aug-04													17.8	D		
W-830-57	RTN	5-Oct-04													18.2	D		
W-830-58	RTN	31-Mar-00							21	D	< 0.02	U			93	D		
W-830-58	RTN	22-Jun-00													163	D		
W-830-58	RTN	18-Aug-00													158	D		
W-830-58	RTN	11-Dec-00													127	D		
W-830-58	DUP	11-Dec-00													90	D		
W-830-58	RTN	12-Feb-01													114	D		
W-830-58	RTN	31-May-01													100	D		
W-830-58	RTN	25-Sep-01													67	D		
W-830-58	RTN	21-Dec-01													83	D		
W-830-58	RTN	14-Mar-02													65	LOD		
W-830-58	RTN	18-Jun-02													22	D		
W-830-58	RTN	12-Aug-02													47	D		
W-830-58	RTN	30-Dec-02													< 50	U		
W-830-58	RTN	21-Mar-03													57	D		
W-830-58	DUP	21-Mar-03													61	D		
W-830-58	RTN	10-Feb-04													45	DH		
W-830-59	RTN	24-Aug-00			34	D			34	D	0.02				150	D		
W-830-59	RTN	16-Nov-00													150	D		
W-830-59	RTN	31-Jan-01													150	D		
W-830-59	RTN	3-May-01													141	D		
W-830-59	RTN	30-Aug-01													140	D		
W-830-59	RTN	13-Dec-01													140	D		
W-830-59	RTN	18-Mar-02													150	D		
W-830-59	RTN	10-Jun-02													148	D		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-59	RTN	13-Aug-02													130	D		
W-830-59	RTN	27-Dec-02													150	DH		
W-830-59	RTN	11-Jun-03													130	D		
W-830-59	RTN	13-Jan-04													145	D		
W-830-59	RTN	7-Apr-04													144	D		
W-830-59	RTN	14-Jul-04													132	D		
W-830-59	RTN	6-Oct-04													130	D		
W-830-60	RTN	30-Jun-00			1.9				1.9		< 0.02	U			8.6			
W-830-60	RTN	17-Aug-00													7.4	D		
W-830-60	RTN	13-Feb-01													7.6	D		
W-830-60	RTN	23-May-01													7.6	D		
W-830-60	RTN	24-Sep-01													7.4			
W-830-60	RTN	19-Dec-01													6.3			
W-830-60	RTN	12-Mar-02													7.1			
W-830-60	RTN	11-Jun-02													7	D		
W-830-60	RTN	19-Aug-02													7.12			
W-830-60	RTN	26-Dec-02													< 5	DU		
W-830-60	RTN	14-Mar-03													7.1	D		
W-830-60	RTN	10-Feb-04													11	H		
W-830-1730	RTN	19-Mar-02	< 0.1	HU					< 0.1	HU	< 0.02	U			< 0.4	HU		
W-830-1730	RTN	14-Jun-02													< 0.44	U		
W-830-1730	RTN	24-Sep-02													0.74			
W-830-1730	RTN	26-Dec-02													< 0.5	U		
W-830-1730	RTN	21-Feb-03													0.98			
W-830-1730	RTN	2-Feb-04													< 5	DU		
W-830-1807	RTN	14-Aug-02													110	D		
W-830-1807	RTN	13-Jan-04													96.4	D		
W-830-1807	RTN	7-Apr-04													101	D		
W-830-1807	RTN	14-Apr-04							22.6	D	< 0.5	U			100	D		
W-830-1807	RTN	14-Jul-04													98.1	D		
W-830-1807	RTN	6-Oct-04													101	D		
W-830-1829	DUP	30-Jun-03													52	D		
W-830-1829	RTN	30-Jun-03													55	D		
W-830-1829	DUP	30-Jun-03													53	D		
W-830-1829	DUP	30-Jun-03							12	D	< 0.1	U						
W-830-1829	RTN	30-Jun-03													53	D		
W-830-1829	RTN	30-Jun-03							12	D	< 0.1	U						
W-830-1829	RTN	23-Sep-03													57	D		
W-830-1829	RTN	6-Nov-03													62	DL		
W-830-1829	RTN	6-Nov-03							17	D	< 0.1	U			74	D		
W-830-1829	RTN	28-Jan-04													53	D		
W-830-1829	RTN	28-Jan-04							15	D	< 0.5	U			67	D		
W-830-1829	RTN	29-Apr-04							16	D	< 0.1	LU			72	D		
W-830-1829	RTN	29-Apr-04													72	D		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-830-1830	RTN	30-Jun-03													97	D		
W-830-1830	RTN	30-Jun-03													96	D		
W-830-1830	RTN	30-Jun-03							22	D	3.5	D						
W-830-1830	RTN	23-Sep-03													97	D		
W-830-1830	RTN	6-Nov-03													94	DL		
W-830-1830	RTN	6-Nov-03							22	D	4.5	D			96	D		
W-830-1830	RTN	28-Jan-04													91	D		
W-830-1830	RTN	28-Jan-04							19	D	< 0.5	U			85	D		
W-830-1830	RTN	29-Apr-04							15	D	< 0.1	LU			67	D		
W-830-1830	RTN	29-Apr-04													72			
W-830-1831	RTN	18-Sep-03													2.8			
W-830-1831	RTN	6-Nov-03													3.1	L		
W-830-1831	RTN	10-Feb-04							< 5	DHU	< 5	DHU			5.5	DH		
W-830-1831	RTN	10-Feb-04													1.9	OH		
W-830-1831	RTN	26-Apr-04							< 0.5	U	< 0.5	U			2.1			
W-830-1831	RTN	26-Apr-04													2.2	H		
W-830-1832	RTN	10-Sep-03							0.72		< 0.1	U			3.2			
W-830-1832	RTN	12-Sep-03													2.6			
W-830-1832	RTN	6-Nov-03													3.2	L		
W-830-1832	RTN	10-Feb-04							< 5	DHU	< 5	DHU			6.1	DH		
W-830-1832	RTN	10-Feb-04													3.5	H		
W-830-1832	RTN	26-Apr-04							0.61		< 0.5	U			2.7			
W-830-1832	RTN	26-Apr-04													2.9	H		
SVI-830-031	RTN	21-Feb-03													54.3			
SVI-830-035	RTN	21-Feb-03													110	D		
SVI-830-035	RTN	29-Apr-04													88	D		
W-831-01	RTN	17-Oct-88					< 0.4	P										
W-831-01	RTN	10-Dec-91			0.3	P	1.4	P										
W-831-01	RTN	18-Jun-98	0.09						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.26	
W-831-01	RTN	14-Jun-02													< 0.44	U		
W-831-01	RTN	4-Nov-03													< 0.5	U		
W-832-01	RTN	21-Nov-94							21	D					93.03	D		
W-832-01	RTN	16-Mar-95											< 0.5	U	94			
W-832-01	RTN	16-Mar-95	< 0.1	U													< 0.2	U
W-832-01	DUP	16-Mar-95											< 0.5	U	94			
W-832-01	DUP	16-Mar-95	< 0.1	U													< 0.2	U
W-832-01	RTN	28-Jul-95	< 0.1	U									< 5	DU	120	D	< 0.5	U
W-832-01	RTN	21-Dec-95	< 0.1	U									< 5	DULO	110	D	< 0.5	U
W-832-01	RTN	7-Feb-96	< 0.1	U									< 2.5	DU	96	D	< 0.5	U
W-832-01	DUP	24-Jun-96	< 0.1	LU					24	D	< 5	DU	< 5	DHULO	110	D	< 0.5	U
W-832-01	RTN	24-Jun-96	< 0.1	UL					24	D	< 5	DU	< 5	DHULO	110	D	< 0.5	U
W-832-01	RTN	23-Sep-96	< 0.1	U													< 0.5	LOU
W-832-01	RTN	19-Dec-96	< 0.1	U					< 50	DU	< 0.5	U	< 0.5	U	84	D	1	
W-832-01	RTN	6-Mar-97	< 0.1	U					18	D	< 0.5	U	< 0.5	U	79	D	< 0.2	U

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-832-01	RTN	26-Jun-97	0.02						22	D	< 0.02	U	< 0.07	U	97	D	0.4	
W-832-01	RTN	26-Jun-97	< 0.1	U					22	D	< 0.5	U	< 0.5	U	97	D	< 0.2	U
W-832-01	RTN	29-Aug-97	0.02						21	D	< 0.02	U	< 0.07	U	93	D	0.3	
W-832-01	RTN	11-Dec-97	< 0.02	U					7.1	D	< 0.02	U	< 0.07	U	31	D	0.26	
W-832-01	RTN	10-Mar-98	< 0.02	U					11	D	< 0.02	U	< 0.07	U	49	D	0.34	
W-832-01	RTN	15-Jun-98	0.02						14	D	< 0.02	U	< 0.07	U	63	D	0.25	
W-832-01	DUP	15-Jun-98	< 0.1	U					14	D	< 0.5	U	< 0.5	U	62	D	< 0.2	U
W-832-01	RTN	18-Sep-98	< 0.02	U					16	D	< 0.02	U	< 0.07	U	71	D	0.35	
W-832-01	RTN	8-Dec-98	< 0.02	U					17	D	< 0.02	U	< 0.07	U	76	D	0.36	
W-832-01	DUP	24-Feb-99	< 0.02	U					17	D	< 0.02	U	< 0.07	U	75	D	2	
W-832-01	RTN	30-Jun-99	< 0.02	U					17	D	< 0.02	U	< 0.07	U	76	D	< 0.2	UL
W-832-01	DUP	30-Jun-99	< 0.1	U					16	S	< 0.5	U	< 0.5	U	73	DS	< 0.2	U
W-832-01	RTN	30-Sep-99	< 0.02	U					21	D	< 0.02	U	< 0.07	U	91	D	0.33	L
W-832-01	RTN	21-Dec-99	< 0.1	U					18	DL	< 0.5	U	< 0.5	U	78	DL	0.4	
W-832-01	RTN	15-Mar-00	< 0.1	U					18	D	< 0.5	U	< 0.5	U	81	D	0.3	
W-832-01	DUP	15-Mar-00	0.1						18	D	< 0.1	U	< 0.1	U	81	D	< 0.2	U
W-832-01	RTN	15-Mar-00													72	D		
W-832-01	DUP	15-Mar-00					36.9											
W-832-01	RTN	15-Mar-00					52.5											
W-832-01	RTN	21-Apr-00													73	D		
W-832-01	RTN	21-Apr-00					41.5											
W-832-01	DUP	21-Apr-00					49											
W-832-01	RTN	21-Jun-00													86.3	D		
W-832-01	RTN	15-Aug-00													85.2	D		
W-832-01	RTN	20-Nov-00													76.5	D		
W-832-01	RTN	13-Feb-01													78.2	D		
W-832-01	DUP	13-Feb-01													56	D		
W-832-01	RTN	24-May-01													76.5	D		
W-832-01	RTN	20-Sep-01													75			
W-832-01	RTN	13-Dec-01													66	D		
W-832-01	RTN	13-Dec-01													65	D		
W-832-01	RTN	18-Mar-02													68	D		
W-832-01	RTN	18-Mar-02							15	D								
W-832-01	RTN	10-Jun-02													72.8	D		
W-832-01	DUP	26-Sep-02													94	D		
W-832-01	RTN	26-Sep-02													73	D		
W-832-01	RTN	19-Mar-03													93	DL		
W-832-01	RTN	29-Jan-04													73	D		
W-832-05	RTN	16-Nov-94							28						124.04			
W-832-05	RTN	6-Dec-94							28	D					124.04	D		
W-832-05	RTN	21-Dec-94							30	D	< 0.5	HU			132.9	D		
W-832-05	RTN	21-Dec-94	0.16														0.22	
W-832-05	RTN	9-Mar-95											< 5	DU	140	D		
W-832-05	RTN	9-Mar-95	< 0.1	LOU													< 0.2	U

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L		Nitrate and Nitrite as N mg/L		Nitrate and Nitrite as NO3 mg/L		Nitrate as N mg/L		Nitrite as N mg/L		Nitrite as NO2 mg/L		Nitrate as NO3 mg/L		Total Kjeldahl Nitrogen mg/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-05	RTN	28-Jul-95	< 0.1	U									< 5	DU	130	D	< 0.5	U
W-832-05	RTN	8-Feb-96	< 0.1	U									< 5	DU	100	D	< 0.5	U
W-832-05	RTN	24-Jun-96	< 0.1	UL					27	D	< 5	DU	< 5	DHULO	120	D	2.4	
W-832-05	RTN	24-Sep-96	< 0.1	U					24	D	< 0.5	U	< 0.5	HU	110	D	0.8	LO
W-832-05	RTN	12-Dec-96	0.12														0.45	
W-832-05	RTN	6-Mar-97	< 0.1	U					22	D	< 0.5	U	< 0.5	U	98	D	0.21	
W-832-05	RTN	26-Jun-97	< 0.1	U					10	D	< 0.5	U	< 0.5	U	45	D	0.2	
W-832-05	RTN	29-Aug-97	0.04						23	D	< 0.02	U	< 0.07	U	102	D	0.6	
W-832-05	RTN	8-Dec-97	< 0.02	U					28	D	< 0.02	U	< 0.07	U	124	D	0.44	
W-832-05	RTN	24-Feb-98	0.02						26	D	0.02		0.07		115	D	0.66	
W-832-05	RTN	24-Feb-98							25	D	< 0.5	U			110	D		
W-832-05	RTN	11-Jun-98	0.03						18	DH	0.02		0.07		80	D	0.72	
W-832-05	DUP	19-Aug-98	0.02						22	D	< 0.02	U	< 0.07	U	98	D	0.7	
W-832-05	RTN	19-Aug-98	0.02						22	D	0.04		0.14		98	D	0.7	
W-832-05	DUP	8-Dec-98	0.06						14	D	0.04		0.12		60	D	1	
W-832-05	DUP	8-Dec-98							12	D	0.05				55	D		
W-832-05	RTN	8-Dec-98	0.26						17	D	< 0.5	U	< 0.5	U	75	D	1.3	LO
W-832-05	RTN	8-Dec-98							17	D	< 0.5	U			75	D		
W-832-05	RTN	24-Feb-99	0.04						12	D	< 0.02	U	< 0.07	U	53	D	< 0.2	U
W-832-05	RTN	30-Jun-99	0.05						23	D	< 0.02	U	< 0.07	U	101	D	3.3	L
W-832-05	DUP	30-Jun-99	0.03						22	DL	0.026		0.08		97	DL	1.5	L
W-832-05	RTN	24-Sep-99	0.31						22	D	0.11		0.36		96	D	3.4	
W-832-05	RTN	21-Dec-99	< 0.1	U					27	DL	< 0.5	U	< 0.5	U	120	DL	3.7	D
W-832-05	RTN	15-Mar-00	0.1						5.7	D	< 0.5	U	< 0.5	U	25	D	0.83	
W-832-05	RTN	15-Mar-00					75.3											
W-832-05	RTN	21-Jun-00													106	D		
W-832-05	DUP	21-Jun-00													90	D		
W-832-05	RTN	15-Aug-00													112	D		
W-832-05	RTN	15-Aug-00													98	D		
W-832-05	RTN	21-Nov-00													34.3			
W-832-05	RTN	13-Feb-01													0.83			
W-832-05	RTN	24-May-01													32.3	D		
W-832-05	DUP	24-May-01													9.9	L		
W-832-05	RTN	19-Sep-01													41			
W-832-05	DUP	14-Dec-01													1.7			
W-832-05	RTN	14-Dec-01													1.4			
W-832-05	RTN	18-Mar-02													110	D		
W-832-05	RTN	18-Mar-02							2.5									
W-832-05	RTN	18-Jun-02													34	D		
W-832-05	RTN	25-Sep-02													89	D		
W-832-05	RTN	19-Mar-03													2.2			
W-832-05	RTN	2-Feb-04													10	D		
W-832-05	RTN	2-Feb-04							2.3	D	< 5	DU			10	D		
W-832-06	RTN	9-Mar-95											< 5	DU	22	D		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L		Nitrate and Nitrite as N mg/L		Nitrate and Nitrite as NO3 mg/L		Nitrate as N mg/L		Nitrite as N mg/L		Nitrite as NO2 mg/L		Nitrate as NO3 mg/L		Total Kjeldahl Nitrogen mg/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-06	RTN	9-Mar-95	< 0.1	LOU													< 0.2	U
W-832-06	RTN	25-May-95	< 0.1	U									< 5	HU	22		< 0.5	U
W-832-06	RTN	25-May-95	0.78		4.6												0.27	
W-832-06	RTN	28-Jul-95	< 0.1	U									< 5	DU	20		< 0.5	U
W-832-06	RTN	12-Dec-95	0.11										< 5	DHU	< 10	DU	< 0.5	U
W-832-06	RTN	7-Feb-96	0.49										< 2.5	DU	< 0.5	U	0.67	
W-832-06	RTN	24-Jun-96	0.42						3.7		< 0.1	U	< 0.2	U	16.4		1.1	LO
W-832-06	RTN	24-Jun-96	0.45	L					3.3		< 5	DU	< 5	DHULO	15		0.66	
W-832-06	RTN	24-Sep-96	< 0.1	U					3.5		< 0.5	U	< 0.5	HU	15		< 0.5	LOU
W-832-06	RTN	12-Dec-96	0.12														0.44	
W-832-06	RTN	6-Mar-97	0.12						3.7		< 0.5	U	< 0.5	U	16		< 0.2	U
W-832-06	RTN	26-Jun-97	< 0.1	U					4.1		< 0.5	U	< 0.5	U	18		< 0.2	U
W-832-06	RTN	29-Aug-97	0.02						3.3	D	< 0.02	U	< 0.07	U	14.6	D	0.3	
W-832-06	RTN	8-Dec-97	< 0.02	U					3.2		< 0.02	U	< 0.07	U	14		0.26	
W-832-06	RTN	10-Mar-98	< 0.02	U					4.1		< 0.02	U	< 0.07	U	18		0.41	
W-832-06	RTN	28-May-98	< 0.02	U					4.5		< 0.02	U	< 0.07	U	20		0.3	
W-832-06	RTN	19-Aug-98	< 0.02	U					4.3		< 0.02	U	< 0.07	U	19		0.4	
W-832-06	RTN	8-Dec-98	< 0.02	U					4.2		< 0.02	U	< 0.07	U	19		< 0.2	U
W-832-06	DUP	24-Feb-99	< 0.02	U					4.1		< 0.02	U	< 0.07	U	18		0.55	
W-832-06	RTN	24-Feb-99	0.28						4.4		< 0.5	U	< 0.5	U	19		0.28	
W-832-06	RTN	30-Jun-99	< 0.02	U					4.6	D	< 0.02	U	< 0.07	U	20	D	0.45	
W-832-06	RTN	24-Sep-99	< 0.02	U					5	D	< 0.02	U	< 0.07	U	22	D	0.2	
W-832-06	RTN	21-Dec-99	< 0.1	U					4.8	L	< 0.5	U	< 0.5	U	21	L	0.52	
W-832-06	RTN	1-Feb-00	< 0.1	U					4.9	D	< 0.5	U	< 0.5	U	22	D	0.58	L
W-832-06	RTN	21-Jun-00													22	D		
W-832-06	RTN	18-May-01													20.1	D		
W-832-06	RTN	19-Mar-03													19	DL		
W-832-06	RTN	2-Feb-04													21	D		
W-832-09	RTN	21-Nov-94							< 10	DU					< 44.3	DU		
W-832-09	RTN	16-Mar-95											< 0.5	U	< 0.5	U		
W-832-09	RTN	16-Mar-95	< 0.1	U													< 0.2	U
W-832-09	DUP	16-Mar-95											< 0.5	U	< 0.5	U		
W-832-09	DUP	16-Mar-95	< 0.1	U													< 0.2	U
W-832-09	RTN	28-Jul-95	< 0.1	U									< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	28-Jul-95	< 1	LU									< 0.3	HUL	< 0.4	UL	1	L
W-832-09	RTN	8-Dec-95	< 0.1	U									< 5	DHU	< 5	DU	< 0.5	U
W-832-09	RTN	6-Feb-96	< 0.1	U									< 0.5	U	< 0.5	U	0.98	
W-832-09	RTN	19-Jun-96	< 0.1	US					< 0.5	U	< 0.5	U	< 0.5	HUS	< 0.5	U	< 0.5	U
W-832-09	RTN	24-Sep-96	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	HU	< 0.5	U	< 0.5	LOU
W-832-09	RTN	17-Dec-96	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	1.7	
W-832-09	RTN	20-Jun-97	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	HU	< 0.5	U	< 0.2	U
W-832-09	RTN	24-Nov-97	< 0.02	U					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	< 0.2	U
W-832-09	RTN	19-Mar-98	< 0.02	U					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.2	
W-832-09	RTN	18-Jun-98	0.02						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	< 0.2	U

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-832-09	RTN	15-Dec-98	< 0.02	U					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	< 0.2	U
W-832-09	RTN	15-Dec-98							< 0.1	U	< 0.02	U			< 0.4	U		
W-832-09	RTN	29-Jun-99	< 0.02	U					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	< 0.2	U
W-832-09	RTN	30-Mar-00	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.2	LU
W-832-09	RTN	21-Jun-00													< 0.4	U		
W-832-09	RTN	15-May-01													< 0.44	U		
W-832-09	RTN	20-Mar-03									< 0.1	U						
W-832-09	RTN	29-Jan-04													0.51			
W-832-10	RTN	15-Jun-98	0.02						18	D	< 0.02	U	< 0.07	U	82	D	0.59	
W-832-10	RTN	15-Jun-98							18	D	< 0.5	HUD			82	D		
W-832-10	RTN	18-Sep-98	< 0.02	U					16	D	< 0.02	U	< 0.07	U	69	D	0.31	
W-832-10	RTN	8-Dec-98	0.03						15	D	< 0.02	U	< 0.07	U	66	D	0.36	
W-832-10	RTN	8-Dec-98							15	D	< 0.02	U			66	D		
W-832-10	RTN	24-Feb-99													63	DO		
W-832-10	RTN	29-Jun-99	< 0.02	U					15	D	< 0.02	U	< 0.07	U	65	D	0.44	
W-832-10	RTN	22-Sep-99	< 0.02	U					16	D	< 0.02	U	< 0.07	U	70	D	0.34	
W-832-10	RTN	20-Dec-99	< 0.1	U					14	D	< 0.5	U	< 0.5	U	63	D	0.2	
W-832-10	RTN	2-Feb-00	< 0.1	LU					15	D	< 0.5	U	< 0.5	U	66	D	0.58	
W-832-10	RTN	21-Jun-00													70.7	D		
W-832-10	RTN	15-Aug-00													68.1	D		
W-832-10	RTN	20-Nov-00													68.7	D		
W-832-10	RTN	15-Feb-01													70.3	D		
W-832-10	RTN	22-May-01													64	DH		
W-832-10	RTN	20-Sep-01													74			
W-832-10	RTN	11-Dec-01													69	D		
W-832-10	DUP	11-Dec-01													63	D		
W-832-10	RTN	22-Mar-02													72	DL		
W-832-10	DUP	20-Mar-03									< 0.1	U						
W-832-10	RTN	20-Mar-03									< 0.1	U						
W-832-10	RTN	9-Feb-04													90	D		
W-832-11	RTN	15-Jun-98	0.02						13	D	< 0.02	U	< 0.07	U	56	D	0.46	
W-832-11	RTN	15-Jun-98							11	D	< 0.5	HUD			49	D		
W-832-11	RTN	18-Sep-98	< 0.02	U					12	D	< 0.02	U	< 0.07	U	55	D	0.31	
W-832-11	RTN	8-Dec-98	< 0.02	U					13	D	< 0.02	U	< 0.07	U	57	D	0.36	
W-832-11	RTN	8-Dec-98							13	D	< 0.02	U			56	D		
W-832-11	RTN	24-Feb-99	< 0.02	U					13	D	< 0.02	U	< 0.07	U	58	D	0.45	
W-832-11	RTN	29-Jun-99	< 0.02	U					14	D	< 0.02	U	< 0.07	U	62	D	0.39	
W-832-11	RTN	23-Sep-99	< 0.02	U					15	D	< 0.02	U	< 0.07	U	68	D	0.52	
W-832-11	RTN	20-Dec-99	< 0.1	U					13	DL	< 0.5	U	< 0.5	U	56	DL	0.4	
W-832-11	RTN	2-Feb-00	< 0.1	LU					15	D	< 0.5	U	< 0.5	U	66	D	0.5	
W-832-11	RTN	21-Jun-00													73.7	D		
W-832-11	RTN	15-Aug-00													71.6	D		
W-832-11	RTN	20-Nov-00													73.7	D		
W-832-11	RTN	15-Feb-01													74.6	D		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-832-11	RTN	22-May-01													64	DH		
W-832-11	RTN	20-Sep-01													72			
W-832-11	RTN	11-Dec-01													63	D		
W-832-11	RTN	22-Mar-02													79	DL		
W-832-11	RTN	20-Mar-03									< 0.1	U						
W-832-11	RTN	9-Feb-04													89	D		
W-832-12	RTN	16-Mar-98	< 0.02	U					22	D	< 0.02	U	< 0.07	U	97	D	0.59	
W-832-12	RTN	16-Mar-98							20	D	< 0.5	U	< 0.5	U	89	D		
W-832-12	RTN	16-Mar-98							20	D	< 0.5	U			89	D		
W-832-12	RTN	11-Jun-98													93	DL		
W-832-12	RTN	18-Sep-98													119	D		
W-832-12	RTN	16-Mar-99	0.02						27	D	0.05		0.17		120	D	0.51	
W-832-12	RTN	30-Jun-99	< 0.02	U					28	D	< 0.02	U	< 0.07	U	124	D	0.5	L
W-832-12	RTN	23-Mar-00							30.9	D					137	D		
W-832-12	RTN	23-Mar-00	< 0.1	U							< 0.5	U	< 0.5	U			0.63	
W-832-12	RTN	30-Jun-00	< 0.1	U	34	D			34	D	< 0.5	U	< 0.5	U	150	D	0.65	L
W-832-12	RTN	25-Sep-00	< 0.1	HU	33	DH			33	DH	< 0.5	U	< 0.5	U	150	DH	0.82	HL
W-832-12	RTN	5-Dec-00	< 0.1	HU	35	HL			35	H	< 0.5	U	< 0.5	U	155	H	1.3	BHL
W-832-12	RTN	7-Mar-01	< 0.1	HU	32	DH			32	DH	< 0.5	HU	< 0.5	HU	142	DH	0.4	HLO
W-832-12	RTN	27-Jun-01	< 0.1	HU	36	DHL			36	DH	< 0.5	U	< 0.5	U	160	DH	0.4	
W-832-12	RTN	25-Sep-01	< 0.1	HU	34	D			34	D	< 0.5	U	< 0.5	U	150	D	0.4	H
W-832-12	RTN	13-Dec-01													140	D		
W-832-12	RTN	13-Dec-01	0.61	L														
W-832-12	RTN	13-Dec-01							31	DL	< 0.1	U						
W-832-12	RTN	13-Dec-01											< 0.5	U			< 0.5	HUL
W-832-12	RTN	15-Feb-02	< 0.1	HU	23	DH			23	DH	< 0.5	HU	< 0.5	HU	100	DH	0.4	H
W-832-12	RTN	23-Apr-02													131	D		
W-832-12	RTN	25-Jul-02													130	D		
W-832-12	RTN	25-Nov-02													136	D		
W-832-12	RTN	31-Mar-03													119	D		
W-832-12	RTN	8-Jul-03													126	D		
W-832-12	RTN	2-Oct-03													129	D		
W-832-12	RTN	21-Jan-04													133	D		
W-832-12	RTN	7-Apr-04													123	D		
W-832-12	RTN	14-Jul-04													128	D		
W-832-12	RTN	6-Oct-04													131	D		
W-832-13	RTN	16-Mar-98	< 0.02	U					26	D	< 0.02	U	< 0.07	U	115	D	0.82	
W-832-13	RTN	16-Mar-98							24	D	< 0.5	U	< 0.5	U	110	D		
W-832-13	RTN	16-Mar-98							24	D	< 0.5	U			110	D		
W-832-13	RTN	11-Jun-98													100	DL		
W-832-13	RTN	18-Sep-98													98	D		
W-832-13	RTN	16-Mar-99	0.02						14	D	4.1	D	13	D	63	D	0.58	
W-832-13	RTN	30-Jun-99	< 0.02	U					29	D	< 0.02	U	< 0.07	U	130	D	0.5	L
W-832-13	RTN	23-Mar-00													151	D		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-832-13	RTN	23-Mar-00					88.3											
W-832-13	RTN	7-Mar-01	< 0.1	HU	31	DH			31	DH	< 0.5	HU	< 0.5	HU	137	DH	0.2	HLO
W-832-13	RTN	27-Jun-01	0.1	H	38	DHL			38	DH	< 0.5	U	< 0.5	U	170	DH	0.74	H
W-832-13	RTN	13-Dec-01													140	D		
W-832-13	RTN	13-Dec-01	0.93	L														
W-832-13	RTN	13-Dec-01							31	DL	< 0.1	U						
W-832-13	RTN	13-Dec-01											< 0.5	U			< 0.5	HUL
W-832-13	RTN	31-Mar-03													135	D		
W-832-13	RTN	8-Jul-03													127	D		
W-832-13	RTN	2-Oct-03													117	D		
W-832-13	RTN	21-Jan-04													138	D		
W-832-13	RTN	7-Apr-04													137	D		
W-832-13	RTN	14-Jul-04													140	D		
W-832-13	RTN	6-Oct-04													67.3	D		
W-832-14	RTN	17-Mar-98	< 0.02	U					11	D	< 0.02	U	< 0.07	U	49	D	0.56	
W-832-14	RTN	17-Mar-98							10	D	< 0.5	U			44	D		
W-832-14	DUP	12-Jun-98													111	D		
W-832-14	RTN	18-Sep-98													118	D		
W-832-14	RTN	16-Mar-99	0.04						1		0.05		0.17		4.6		1.1	
W-832-14	RTN	30-Jun-99	0.08						15	D	0.14		0.46		67	D	0.72	L
W-832-14	DUP	30-Jun-99	0.1						< 0.5	SU	< 0.5	U	< 0.5	U	< 0.5	SU	1.2	
W-832-14	RTN	23-Mar-00	< 0.1	U					18	D	< 0.5	U	< 0.5	U	79.8	D	0.56	
W-832-14	RTN	30-Jun-00	< 0.1	U	15	D			15	D	< 0.5	U	< 0.5	U	68	D	0.69	L
W-832-14	RTN	14-Jul-04													86.8	D		
W-832-15	RTN	16-Mar-98	< 0.02	U					23	D	< 0.02	U	< 0.07	U	120	D	0.62	
W-832-15	RTN	16-Mar-98							21	D	< 0.5	U	< 0.5	U	93	D		
W-832-15	RTN	16-Mar-98							21	D	< 0.5	U			93	D		
W-832-15	RTN	11-Jun-98													99	DL		
W-832-15	RTN	18-Sep-98													121	D		
W-832-15	RTN	16-Mar-99	0.02						28	D	< 0.02	U	< 0.07	U	126	D	0.47	
W-832-15	RTN	30-Jun-99	0.02						29	D	< 0.02	U	< 0.07	U	127	D	0.33	L
W-832-15	RTN	23-Mar-00	< 0.1	U					33.6	D	< 0.5	U	< 0.5	U	149	D	0.3	
W-832-15	RTN	25-Sep-00	< 0.1	HU	34	DH			34	DH	< 0.5	U	< 0.5	U	150	DH	0.78	HL
W-832-15	RTN	7-Mar-01	< 0.1	HU	31	DH			31	DH	< 0.5	HU	< 0.5	HU	137	DH	0.3	HLO
W-832-15	RTN	27-Jun-01	< 0.1	HU	37	DHL			37	DH	< 0.5	U	< 0.5	U	160	DH	0.3	H
W-832-15	RTN	25-Sep-01	0.24	H	34	D			34	D	< 0.5	U	< 0.5	U	150	D	0.67	H
W-832-15	RTN	13-Dec-01													97	D		
W-832-15	RTN	13-Dec-01	0.85	L														
W-832-15	RTN	13-Dec-01							22	DL	< 0.1	U						
W-832-15	RTN	13-Dec-01											< 0.5	U			< 0.5	HUL
W-832-15	RTN	15-Feb-02	< 0.1	HU	25	DH			25	DH	< 0.5	HU	< 0.5	HU	110	DH	0.58	H
W-832-15	RTN	23-Apr-02													134	D		
W-832-15	RTN	25-Jul-02													135	D		
W-832-15	RTN	31-Mar-03													127	D		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-832-15	RTN	8-Jul-03													130	D		
W-832-15	RTN	2-Oct-03													134	D		
W-832-15	RTN	21-Jan-04													135	D		
W-832-15	RTN	7-Apr-04													128	D		
W-832-15	RTN	14-Jul-04													129	D		
W-832-16	RTN	16-Mar-98	< 0.02	U					40	D	0.04		0.13		177	D	1.1	
W-832-16	RTN	16-Mar-98							38	D	< 0.5	U	< 0.5	U	170	D		
W-832-16	RTN	16-Mar-98							38	D	< 0.5	U			170	D		
W-832-16	RTN	11-Jun-98													110	DL		
W-832-16	RTN	18-Sep-98													94	D		
W-832-16	RTN	16-Mar-99	0.14						< 1	DU	2	D	6.5	D	< 4.4	DU	8.2	
W-832-16	RTN	30-Jun-99	0.44						< 0.1	UL	< 0.02	U	< 0.07	U	< 0.4	UL	21	
W-832-17	RTN	17-Mar-98	0.04						11	D	< 0.02	U	< 0.07	U	49	D	1	
W-832-17	RTN	17-Mar-98							9.4	D	< 0.5	U			42	D		
W-832-17	DUP	11-Jun-98													66	D		
W-832-17	RTN	18-Sep-98													49	D		
W-832-17	RTN	16-Mar-99	0.23						13	D	0.28		0.9		58	D	0.95	
W-832-17	RTN	30-Jun-99	0.22						5.8	D	0.21		0.7		26	D	0.67	L
W-832-18	RTN	24-Mar-98							12	D	< 0.5	U			53	D		
W-832-18	RTN	25-Mar-98	< 0.02	U					13	D	< 0.02	U	< 0.07	U	60	D	1.4	
W-832-18	DUP	12-Jun-98													47	D		
W-832-18	DUP	18-Sep-98													47	D		
W-832-18	RTN	16-Mar-99	0.03						12	D	< 0.02	U	< 0.07	U	51	D	0.47	
W-832-18	RTN	31-Mar-03													9.8	D		
W-832-18	RTN	8-Jul-03													12	D		
W-832-18	RTN	2-Oct-03													36.3	D		
W-832-19	RTN	24-Mar-98	< 0.02	U					17	D	< 0.02	U	< 0.07	U	77	D	0.56	
W-832-19	RTN	24-Mar-98							16	D	< 0.5	U			71	D		
W-832-19	RTN	12-Jun-98													85	D		
W-832-19	RTN	18-Sep-98													86	D		
W-832-19	RTN	16-Mar-99	0.02						20	D	< 0.02	U	< 0.07	U	91	D	0.4	
W-832-19	RTN	30-Jun-99	0.05						2	L	< 0.02	U	< 0.07	U	8.8	L	1.8	L
W-832-19	RTN	23-Sep-99	0.02						27	D	< 0.02	U	< 0.07	U	120	D	0.67	
W-832-19	RTN	15-Mar-00					185											
W-832-19	RTN	22-Jun-00	< 0.1	U	23	D			23	D	< 0.5	U	< 0.5	U	100	D	0.61	
W-832-19	DUP	22-Jun-00	0.2						20	D	< 0.1	U	< 0.1	U	87	D	0.5	
W-832-19	RTN	15-Aug-00	< 0.1	U	21	D			21	D	< 0.5	U	< 0.5	U	94	D	0.3	
W-832-19	RTN	15-Aug-00	0.7						19	D	< 0.1	U	< 0.1	U	83	D	0.3	
W-832-19	RTN	21-Nov-00	< 0.1	HU	21	DH			21	DH					93	DH	0.56	HO
W-832-19	RTN	19-Dec-00									0.19							
W-832-19	RTN	22-May-01	< 0.2	HLU					23		< 0.05	U			101.2	D	< 0.5	HU
W-832-19	RTN	20-Sep-01													110			
W-832-19	RTN	20-Sep-01	< 0.2	U														
W-832-19	RTN	20-Sep-01							24									

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-832-19	RTN	20-Sep-01							2.1		0.08				97.4	D	0.88	HL
W-832-19	RTN	18-Mar-02	< 0.1	HU	18	DH			18	DH	< 0.5	U	< 0.5	U	82	DH	1	DH
W-832-19	RTN	21-Mar-03													88	D		
W-832-20	RTN	25-Mar-98	< 0.02	U					14	D	0.15		0.49		62	D	0.56	
W-832-20	RTN	25-Mar-98							13	D	< 0.5	U			59	D		
W-832-20	DUP	12-Jun-98													49	D		
W-832-20	RTN	18-Sep-98													37	D		
W-832-20	RTN	16-Mar-99	0.05						5.7	D	0.06		0.19		25	D	0.4	
W-832-20	RTN	23-Mar-00	< 0.1	U					10.4	D	< 0.5	U	< 0.5	U	46	D	0.66	
W-832-21	RTN	11-Jun-98													57	DL		
W-832-23	RTN	24-Mar-99							21	D	< 0.02	U			93	D		
W-832-23	RTN	29-Jun-99	< 0.02	U					14	D	< 0.02	U	< 0.07	U	62	D	0.47	
W-832-23	RTN	24-Sep-99	< 0.02	U					18	D	< 0.02	U	< 0.07	U	82	D	0.34	
W-832-23	RTN	21-Dec-99	< 0.1	U					23	D	< 0.5	U	< 0.5	U	100	D	0.6	
W-832-23	RTN	1-Feb-00	< 0.1	U					26	D	< 0.5	U	< 0.5	U	110	D	0.4	L
W-832-23	RTN	22-Jun-00	< 0.1	U	22	D			22	D	< 0.5	U	< 0.5	U	98	D	0.5	
W-832-23	RTN	31-Jul-00	< 0.1	U	21	D			21	D	< 0.5	U	< 0.5	U	92	D	0.3	
W-832-23	RTN	21-Nov-00	< 0.1	HU	23	DH			23	DH					102	DH	0.64	HO
W-832-23	RTN	19-Dec-00									< 0.02	U						
W-832-23	RTN	12-Feb-01	< 0.1	ULH	20	DH			20	DH	< 0.5	HU	< 0.5	U	89	DH	< 0.2	HU
W-832-23	RTN	23-May-01	< 0.1	HU	23	DH			23	DH	< 0.5	HU	< 0.5	HU	100	DH	0.5	H
W-832-23	RTN	20-Sep-01													110			
W-832-23	RTN	20-Sep-01	< 0.2	U														
W-832-23	RTN	20-Sep-01							26									
W-832-23	RTN	20-Sep-01							2.2		< 0.05	U			97.4	D	< 0.5	HLU
W-832-23	RTN	18-Dec-01													120	DH		
W-832-23	RTN	18-Dec-01	1.4															
W-832-23	RTN	18-Dec-01							28	D	< 3	DU						
W-832-23	RTN	18-Dec-01											< 10	DHULO			< 0.5	HUL
W-832-23	RTN	18-Mar-02													100	D		
W-832-23	RTN	18-Mar-02	< 0.25	HU					23	D	< 0.1	U	< 0.5	U			< 0.5	HULO
W-832-23	RTN	21-Mar-03													81	D		
W-832-23	RTN	9-Feb-04													110	D		
W-832-24	RTN	24-Mar-99							19	D	< 0.02	U			86	D		
W-832-24	RTN	29-Jun-99	< 0.02	U					17	D	< 0.02	U	< 0.07	U	75	D	0.44	
W-832-24	RTN	24-Sep-99	< 0.02	U					14	D	< 0.02	U	< 0.07	U	62	D	0.27	
W-832-24	RTN	2-Feb-00	< 0.1	LU					11	D	< 0.5	U	< 0.5	U	48	D	0.4	
W-832-24	RTN	22-Jun-00	< 0.1	U	15	D			15	D	< 0.5	U	< 0.5	U	67	D	0.3	
W-832-24	RTN	15-Aug-00	< 0.1	U	14	D			14	D	< 0.5	U	< 0.5	U	61	D	0.2	
W-832-24	RTN	21-Nov-00	< 0.1	HU	12	DH			12	DH					53	DH	0.4	H
W-832-24	RTN	19-Dec-00									< 0.02	U						
W-832-24	RTN	13-Feb-01	< 0.1	HLU	9.1	H			9.1	DH	< 0.5	HU	< 0.5	HU	40	DH	0.3	HL
W-832-24	RTN	23-May-01	< 0.1	HU	9.7	DH			9.7	DH	< 0.5	HU	< 0.5	HU	43	DH	0.3	H
W-832-24	RTN	18-Sep-01													46			

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-832-24	RTN	18-Sep-01	< 0.2	U														
W-832-24	RTN	18-Sep-01							10									
W-832-24	RTN	18-Sep-01							9.1	H	< 0.05	HU			39.4	HD	< 0.5	HU
W-832-24	RTN	11-Dec-01													35	D		
W-832-24	RTN	11-Dec-01	< 0.05	U														
W-832-24	RTN	11-Dec-01							7.2	D	< 1	DU						
W-832-24	RTN	11-Dec-01											< 5	DU			< 0.5	HUO
W-832-24	RTN	18-Mar-02													40	D		
W-832-24	RTN	18-Mar-02	< 0.25	HU					8.9	D	< 0.1	U	< 0.5	U			< 0.5	HULO
W-832-24	RTN	21-Mar-03													72	D		
W-832-24	RTN	9-Feb-04													55	D		
W-832-25	RTN	15-Feb-00							24	D	< 0.02	U			110	D		
W-832-25	RTN	21-Mar-00					54.5											
W-832-25	RTN	23-Jun-00													102	D		
W-832-25	RTN	16-Aug-00													98.8	D		
W-832-25	RTN	19-Dec-00													92.5	D		
W-832-25	RTN	15-Feb-01													96	D		
W-832-25	RTN	23-May-01													96.7	D		
W-832-25	RTN	25-Sep-01													88	D		
W-832-25	DUP	25-Sep-01													86	D		
W-832-25	RTN	11-Dec-01													88	D		
W-832-25	DUP	22-Mar-02													95	DL		
W-832-25	RTN	22-Mar-02													110	DL		
W-832-25	DUP	24-Mar-03													89	D		
W-832-25	RTN	24-Mar-03													87	D		
W-832-25	RTN	9-Feb-04													90	D		
W-832-SC1	RTN	8-Jun-98	< 0.02	U					13	DLO	< 0.02	HU	< 0.07	HU	56	DLO	0.33	
W-832-SC1	DUP	28-Dec-98	< 0.02	U					12	D	< 0.02	HLU	< 0.07	HLU	53	D	6.5	
W-832-SC1	DUP	28-Dec-98							11	DL					50	DL		
W-832-SC1	RTN	28-Dec-98							14	D	< 0.5	U			62	D		
W-832-SC1	RTN	28-Dec-98	0.2						14	D	< 0.5	U	< 0.5	U	62	D	0.26	
W-832-SC1	RTN	1-Feb-00	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	U	1.3		0.66	L
W-832-SC1	RTN	25-Mar-03													< 0.5	U		
W-832-SC1	RTN	27-Oct-03													< 5	DU		
W-832-SC2	RTN	8-Jun-98	0.02						0.11	LO	< 0.02	HU	< 0.07	HU	0.5	LO	1.7	
W-832-SC2	RTN	28-Dec-98	0.22						1.1		0.08	JL	0.26	JL	5		6.5	
W-832-SC2	RTN	1-Feb-00	0.53						3.8		< 0.5	U	< 0.5	U	17		25	LD
W-832-SC2	RTN	17-Dec-01													< 0.5	U		
W-832-SC3	DUP	8-Jun-98	0.2						6.8	DLO	0.04	H	0.12	H	30	DLO	11	
W-832-SC3	RTN	8-Jun-98	0.26						6.9	D	< 0.5	U	< 0.5	U	31	D	0.31	
W-832-SC3	RTN	22-Dec-98	6.2	D					2.2	L	0.08		0.25		9.9	L	14	D
W-832-SC3	RTN	17-Dec-01													25	D		
W-832-SC3	RTN	25-Mar-03													0.92			
W-832-SC4	RTN	8-Jun-98	< 0.02	U					11	DLO	< 0.02	HU	< 0.07	HU	48	DLO	4.9	

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L		Nitrate and Nitrite as N mg/L		Nitrate and Nitrite as NO3 mg/L		Nitrate as N mg/L		Nitrite as N mg/L		Nitrite as NO2 mg/L		Nitrate as NO3 mg/L		Total Kjeldahl Nitrogen mg/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-SC4	RTN	28-Dec-98	< 0.02	U					10	D	< 0.02	HLU	< 0.07	HLU	45	D	0.65	
W-832-SC4	RTN	28-Dec-98							10	D					44	D		
W-832-SC4	RTN	1-Feb-00	< 0.1	U					13	D	< 0.5	U	< 0.5	U	57	D	0.58	L
W-832-SC4	RTN	21-Mar-03													51	DH		
W-832-SC4	RTN	2-Feb-04													66.6			
W-832-1927	RTN	24-Sep-03													56	D		
W-832-1927	RTN	6-Nov-03													59	DL		
W-832-1927	RTN	11-Feb-04							13	DH	< 5	DHU			59	DH		
W-832-1927	RTN	11-Feb-04													64	D		
W-832-1927	RTN	26-Apr-04							17		< 0.5	U			60	D		
W-832-1927	RTN	26-Apr-04													6.7	H		
W-870-01	RTN	18-Mar-98	< 0.02	U					14	D	< 0.02	U	< 0.07	U	62	D	0.75	
W-870-01	RTN	18-Mar-98							13	D	< 0.5	U			58	D		
W-870-01	RTN	27-May-98	0.02						12	D	< 0.02	U	< 0.07	U	53	D	0.5	
W-870-01	RTN	27-May-98							10	D	< 0.5	U			44	D		
W-870-02	DUP	18-Jun-97	0.06						5.9	D	0.07		0.23		26.2	D	0.3	H
W-870-02	DUP	18-Jun-97							6.1	D	0.07				27	D		
W-870-02	RTN	18-Jun-97	0.11						6.1	D	< 0.5	U	< 0.5	HU	27	D	0.26	
W-870-02	RTN	18-Jun-97							6.1	D	< 0.5	HU			27	D		
W-870-02	RTN	8-Sep-97	0.03	F					6.1	D	< 0.02	U	< 0.07	U	27	D	0.2	
W-870-02	RTN	4-Dec-97	< 0.02	U					6.1	D	< 0.02	U	< 0.07	U	27	D	0.46	
W-870-02	DUP	20-Mar-98	< 0.02	U					5.7	D	< 0.02	U	< 0.07	U	25	D	0.3	
W-870-02	RTN	20-Mar-98	< 0.02	U					5.6	D	< 0.02	U	< 0.07	U	25	D	0.3	
W-870-02	RTN	27-May-98	0.02						5.8	D	< 0.02	U	< 0.07	U	26	D	0.2	
W-870-02	RTN	30-Sep-98	< 0.02	U					5.5		< 0.02	U	< 0.07	U	24		0.62	
W-870-02	RTN	22-Dec-98	< 0.02	U					4.5	LD	< 0.02	U	< 0.07	U	20	LD	0.43	
W-870-02	RTN	23-Feb-99	< 0.02	U					5.3	D	< 0.02	U	< 0.07	U	23	D	0.32	
W-870-02	RTN	30-Jun-99	0.02						6	DL	< 0.02	U	< 0.07	U	27	DL	< 0.2	U
W-870-02	RTN	29-Sep-99	< 0.02	U					6.4	DL	< 0.02	U	< 0.07	U	29	DL	0.28	
W-870-02	RTN	22-Dec-99	< 0.1	U					7.1	DL	< 0.5	U	< 0.5	U	31	DL	< 0.2	U
W-870-02	RTN	3-Feb-00	< 0.1	U					8	D	< 0.5	U	< 0.5	U	36	D	0.2	
W-870-02	RTN	30-Jun-00													32	D		
W-870-02	RTN	16-Aug-00													33.3			
W-870-02	RTN	13-Dec-00													32			
W-870-02	RTN	20-Feb-01													32.8			
W-870-02	RTN	31-May-01													31.9			
W-870-02	RTN	25-Sep-01													32.1			
W-870-02	RTN	25-Sep-01													30	D		
W-870-02	RTN	14-Dec-01													30	D		
W-870-02	RTN	22-Mar-02													35	DL		
W-870-02	RTN	26-Jun-02													45			
W-870-02	RTN	30-Sep-02													32	D		
W-870-02	RTN	21-Mar-03													35	D		
W-870-02	RTN	10-Feb-04													3.6	H		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-880-01	RTN	24-Jan-96													< 0.5	U		
W-880-01	RTN	11-Jun-96	0.48						< 0.5	U	< 2.5	DU	< 2.5	DHULO	< 0.5	U	0.62	
W-880-01	RTN	22-Aug-96	0.11						< 0.5	U	< 5	DU	< 5	DULO	< 0.5	UO	< 0.5	LU
W-880-01	RTN	27-Dec-96	0.2						< 0.5	U	< 2.5	DU	< 2.5	DU	< 0.5	U	< 0.2	LU
W-880-01	RTN	16-Apr-97	0.27						< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU	0.51	
W-880-01	RTN	12-Dec-97	0.22						< 0.1	U	< 0.02	LU	< 0.07	LU	< 0.4	U	0.42	
W-880-01	RTN	11-Feb-98	0.03						0.1		< 0.02	U	< 0.07	U	0.44			
W-880-01	REA	11-Feb-98															0.25	
W-880-01	RTN	13-May-98	< 0.02	U					< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	< 0.2	U
W-880-01	RTN	10-Dec-98	0.2						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.36	
W-880-01	RTN	10-Dec-98							< 0.1	U	< 0.02	U			< 0.4	U		
W-880-01	RTN	22-Feb-99	< 0.02	U					0.1		< 0.02	U	< 0.07	HU	< 0.4	U	0.26	
W-880-01	RTN	18-Jun-99	< 0.1	U					< 0.5	SU	< 0.5	U	< 0.5	HU	< 0.5	SU	< 0.2	U
W-880-01	RTN	30-Aug-99	0.2						< 0.5	SU	< 0.5	U	< 0.5	U	< 0.5	SU	0.6	
W-880-01	RTN	13-Dec-99	0.2						< 5	DSU	< 0.5	U	< 0.5	U	< 5	DOSU	0.4	
W-880-01	RTN	1-Mar-00	< 0.1	U					6	D	< 0.1	U	< 0.1	U	26	D	0.3	
W-880-01	RTN	13-Jun-00													< 0.44	U		
W-880-01	RTN	27-Jul-00													< 0.4	U		
W-880-01	RTN	31-Oct-00													< 0.44	U		
W-880-01	RTN	24-Jan-01													< 0.44	U		
W-880-01	RTN	23-Apr-01													0.55			
W-880-01	RTN	26-Sep-01													< 0.44	U		
W-880-01	RTN	20-Nov-01													< 0.44	U		
W-880-01	RTN	24-Jan-02													< 0.4	U		
W-880-01	RTN	21-Jun-02													< 0.1	U		
W-880-01	RTN	28-Aug-02													< 0.44	U		
W-880-01	RTN	20-Dec-02													< 0.1	U		
W-880-01	RTN	14-Mar-03													< 0.44	U		
W-880-01	RTN	23-Jul-03													< 0.44	U		
W-880-01	RTN	17-Feb-04													< 0.44	U		
W-880-01	RTN	7-Jul-04													< 0.44	U		
W-880-02	RTN	26-Jan-96													3.9			
W-880-02	DUP	17-Jun-96	0.54	LO					1.6		< 2.5	DU	< 2.5	DHULO	7.2	LO	< 0.5	U
W-880-02	RTN	17-Jun-96	0.61	LO					1.6		< 2.5	DU	< 2.5	DHULO	6.9	LO	< 0.5	U
W-880-02	RTN	19-Jun-97	< 0.1	U					2.2	D	< 0.5	U	< 0.5	HU	9.9	D	0.24	
W-880-02	RTN	13-Nov-97	< 0.1	U					< 0.5	U	< 0.5	U	< 0.5	U	0.56		0.51	
W-880-02	RTN	11-Feb-98	< 0.02	U					2.9		< 0.02	U	< 0.07	U	13		0.28	
W-880-02	RTN	13-May-98	< 0.02	U					3.8		< 0.02	U	< 0.07	U	17		0.2	
W-880-02	RTN	19-Feb-99	< 0.02	U					1.8		< 0.02	U	< 0.07	HU	8.1		1.2	
W-880-02	RTN	11-Mar-99	0.03						5.6	D	< 0.02	U	< 0.07	U	25	D	0.26	
W-880-02	RTN	25-Jun-99	< 0.1	U					< 0.5	SU	< 0.5	U	< 0.5	U	< 0.5	LOSU	0.4	
W-880-02	RTN	30-Aug-99	0.3						< 0.5	SU	< 0.5	U	< 0.5	U	< 0.5	SU	4.4	
W-880-02	RTN	8-Dec-99	0.2						< 0.5	DU	< 0.5	U	< 0.5	U	< 0.5	DU	3	
W-880-02	RTN	1-Mar-00	< 0.1	U					27	D	< 0.1	U	< 0.1	U	120	D	0.7	

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-880-02	RTN	19-Jun-00													27.3			
W-880-02	RTN	27-Jul-00													17.9	D		
W-880-02	RTN	30-Oct-00													8.3			
W-880-02	RTN	24-Jan-01													3.4			
W-880-02	RTN	20-Apr-01													13.6			
W-880-02	RTN	23-Jul-01													10.5			
W-880-02	RTN	20-Nov-01													< 0.88	DU		
W-880-02	RTN	24-Jan-02													< 0.88	DU		
W-880-02	RTN	21-Jun-02													< 0.1	U		
W-880-02	RTN	28-Aug-02													< 0.88	DU		
W-880-02	RTN	19-Dec-02													< 2.2	DU		
W-880-02	RTN	14-Mar-03													< 0.88	DU		
W-880-02	RTN	23-Jul-03													< 0.88	DU		
W-880-02	RTN	5-Feb-04													1.3	D		
W-880-02	RTN	7-Jul-04													< 0.88	DU		
W-880-03	RTN	24-Jan-96													< 0.5	U		
W-880-03	DUP	24-Jan-96													< 0.5	U		
W-880-03	RTN	17-Jun-96	1.1	LO					< 0.5	U	< 2.5	DU	< 2.5	DHULO	< 0.5	ULO	0.57	
W-880-03	RTN	22-Aug-96	0.32						< 0.5	U	< 5	DU	< 5	DULO	< 0.5	UO	0.71	L
W-880-03	RTN	27-Dec-96	0.49						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.55	L
W-880-03	RTN	16-Apr-97	0.55						< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	0.7	
W-880-03	RTN	12-Dec-97	0.46						< 0.1	U	< 0.02	LU	< 0.07	LU	< 0.4	U	0.92	
W-880-03	RTN	11-Feb-98	0.38						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	1.9	
W-880-03	RTN	13-May-98	0.41						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.56	
W-880-03	RTN	10-Dec-98	0.4						< 0.1	U	< 0.02	U	< 0.07	U	< 0.4	U	0.68	
W-880-03	RTN	10-Dec-98							< 0.1	U	< 0.02	U			< 0.4	U		
W-880-03	RTN	22-Feb-99	0.37						< 0.1	U	< 0.02	U	< 0.07	HU	< 0.4	U	0.68	
W-880-03	RTN	18-Jun-99	0.3						< 0.5	SU	< 0.5	U	< 0.5	HU	< 0.5	SU	0.6	
W-880-03	RTN	30-Aug-99	0.5						< 0.5	SU	< 0.5	U	< 0.5	U	< 0.5	SU	0.7	
W-880-03	RTN	13-Dec-99	0.3						< 5	DSU	< 0.5	U	< 0.5	U	< 5	DOSU	0.5	
W-880-03	RTN	7-Mar-00	0.3						0.3		< 0.1	U	< 0.1	U	1.2	L	0.5	
W-880-03	RTN	13-Jun-00													< 0.44	U		
W-880-03	RTN	27-Jul-00													< 0.4	U		
W-880-03	RTN	31-Oct-00													< 0.44	U		
W-880-03	RTN	24-Jan-01													< 0.44	U		
W-880-03	RTN	23-Apr-01													< 0.44	U		
W-880-03	RTN	21-Aug-01													< 0.44	U		
W-880-03	RTN	20-Nov-01													< 0.44	U		
W-880-03	RTN	24-Jan-02													< 0.4	U		
W-880-03	RTN	21-Jun-02													< 0.1	U		
W-880-03	RTN	28-Aug-02													< 0.44	U		
W-880-03	RTN	20-Dec-02													< 0.1	U		
W-880-03	RTN	14-Mar-03													< 0.44	U		
W-880-03	RTN	23-Jul-03													< 0.44	U		

Table A-15. Nitrogenous compounds in ground water and surface water (mg/L), Building 832 Canyon OU.

LOCATION	SAMPLE TYPE	SAMPLED	Ammonia Nitrogen as N mg/L RESULT	FLAG	Nitrate and Nitrite as N mg/L RESULT	FLAG	Nitrate and Nitrite as NO3 mg/L RESULT	FLAG	Nitrate as N mg/L RESULT	FLAG	Nitrite as N mg/L RESULT	FLAG	Nitrite as NO2 mg/L RESULT	FLAG	Nitrate as NO3 mg/L RESULT	FLAG	Total Kjeldahl Nitrogen mg/L RESULT	FLAG
W-880-03	RTN	17-Feb-04													< 0.88	DU		
W-880-03	RTN	7-Jul-04													< 0.44	U		
SPRING3	RTN	3-Sep-93							9.8						43.414			
SPRING3	RTN	20-Apr-94							12	D					53.16	D		
SPRING3	RTN	24-Oct-95													30	D		
SPRING3	RTN	24-Oct-95									< 0.1	HU			37			
SPRING3	RTN	21-Jun-96							7.7	D	< 0.1	U			34.1	D		
SPRING3	RTN	21-Jun-96							8.2		< 5	DULO			36			
SPRING3	RTN	8-Jun-98	< 0.02	U					12	DLO	< 0.02	HU	< 0.07	HU	52	DLO	3.1	
SPRING3	RTN	28-Dec-98	< 0.02	U					9.6	D	< 0.02	HLU	< 0.07	HLU	42	D	0.54	
SPRING3	RTN	28-Dec-98							8.5	D					38	D		
SPRING3	RTN	30-Jun-99	0.02						3	DL	< 0.02	U	< 0.07	U	13	DL	1.8	
SPRING3	DUP	30-Jun-99	< 0.1	U					< 0.5	OSU	< 0.5	U	< 0.5	U	< 0.5	SU	1.3	
SPRING3	RTN	23-May-00	0.1						5.9	D	< 0.5	U	< 0.5	U	26	D	1.1	
SPRING3	RTN	1-May-01	< 0.1	U	11	D			11	D	< 0.5	U	< 0.5	U	50	D	1.4	LO
SPRING3	DUP	1-May-01	< 0.1	U	11	D			11	D	< 0.5	U	< 0.5	U	50	D	1.1	LO
SPRING3	RTN	20-Jun-02													30.1			
SPRING3	RTN	25-Mar-03													43	D		
SPRING3	RTN	27-Oct-03													54	D		
SPRING3	RTN	26-Jul-04													50	D		
SPRING4	RTN	20-Apr-94							< 5	DU					< 22.15	DU		
SPRING4	RTN	31-Oct-95													62	D		
SPRING4	RTN	21-Jun-96							9.9		< 2.5	DULO			43			
SPRING4	RTN	17-Dec-98	0.16						16	D	< 0.5	U	< 0.5	U	71	D	0.65	
SPRING4	RTN	17-Dec-98							16	D	< 0.5	U			71	D		
SPRING4	RTN	18-Mar-99	< 0.02	U					17	D	0.14		0.46		75	D	9.6	D
SPRING4	RTN	1-Jun-00	8.7	D					2	L	< 0.5	U	< 0.5	U	9	L	10	DL
SPRING4	RTN	1-Jun-00							1.9		0.36				8.6			
SPRING4	RTN	1-Jun-00					43.3											
SPRING4	RTN	17-Dec-03													90	D		
SPRING19	RTN	17-Dec-98							7.8	D	< 0.5	U			34	D		

Table A-16. Nitrogenous compounds in soil and rock (mg/kg), Building 832 Canyon OU.

				Ammonia Nitrogen (as N) mg/kg		Nitrate (as N) mg/kg		Nitrate (as NO3) mg/kg		Nitrite (as N) mg/kg		Total Kjeldahl Nitrogen mg/kg	
LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
830-23	1	BUD	30-Nov-94	< 1	U	< 5	U	< 22.15	U	< 5	U		
830-23	1	BUD	30-Nov-94									47	
830-23	5.5	BUD	30-Nov-94	< 1	U	< 5	U	< 22.15	U	< 5	U		
830-23	5.5	BUD	30-Nov-94									36	
830-23	15.5	BUD	30-Nov-94	< 1	U	< 5	U	< 22.15	U	< 5	U		
830-23	15.5	BUD	30-Nov-94									7.9	
830-23	25.3	BUD	1-Dec-94	1.5		< 5	U	< 22.15	U	< 5	U	19	H
830-23	30.5	BUD	1-Dec-94	< 1	U	< 5	U	< 22.15	U	< 5	U	26	H
830-24	1	BUD	5-Dec-94	< 1	U	< 5	U	< 22.15	U	< 5	U	75	H
830-24	5.5	BUD	5-Dec-94	< 1	U	< 5	U	< 22.15	U	< 5	U	32	H
830-24	10.8	BUD	5-Dec-94	< 1	U	< 5	U	< 22.15	U	< 5	U	9.8	H
830-24	15.8	BUD	5-Dec-94	< 1	U	< 5	U	< 22.15	U	< 5	U	7	H
830-24	20.3	BUD	6-Dec-94	< 1	U	< 5	U	< 22.15	U	< 5	U	< 5	U
830-24	26	BUD	6-Dec-94	< 0.1	U	< 5	U	< 22.15	U	< 5	U	20	
830-24	31	BUD	6-Dec-94	< 0.1	U	< 5	U	< 22.15	U	< 5	U	12	
W-830-13	0	BUD	8-Nov-94	< 1	U	64	D	284	DH	7.4	D		
W-830-13	0	BUD	8-Nov-94									1000	H
W-830-13	0	DUP	8-Nov-94	1.3		48	D	213	DH	3.9	D		
W-830-13	0	DUP	8-Nov-94									1500	H
W-830-13	17.7	BUD	9-Nov-94	< 1	U	< 5	U	13.5		< 1	U		
W-830-13	17.7	BUD	9-Nov-94									96	H
W-830-13	20.3	BUD	9-Nov-94	< 1	U	< 5	U	6.2		< 1	U		
W-830-13	20.3	BUD	9-Nov-94									87	H
W-830-13	28	BUD	9-Nov-94	< 1	U	< 5	U	10.4		< 1	U		
W-830-13	28	BUD	9-Nov-94									< 50	HU
W-830-13	32.4	BUD	9-Nov-94	< 1	U	< 5	U	8		< 1	U		
W-830-13	32.4	BUD	9-Nov-94									81	H
W-830-13	35.9	BUD	9-Nov-94	< 1	U	< 5	U	5.9		< 1	U		
W-830-13	35.9	BUD	9-Nov-94									83	H
W-830-15	5.3	BUD	8-Dec-94	< 1	U	< 5	U	< 22.15	U	< 5	U	48	
W-830-15	5.6	BUD	8-Dec-94	< 0.1	U	< 5	U	< 22.15	U	< 5	U	15	
W-830-50	5.5	BUD	11-Feb-99	< 3	HU			4	H				
W-830-50	10	BUD	11-Feb-99					2	H				
W-830-50	25	BUD	11-Feb-99	3	HU			2	HU				
W-830-50	35	BUD	17-Feb-99	< 3	HU			< 2	HU				
W-830-50	40	BUD	17-Feb-99	< 3	HU			< 2	HU				
W-830-54	10	BUD	3-Mar-99	3	HU			2	HU				
W-830-54	20	BUD	3-Mar-99	< 3	HU			2	HU				
W-830-54	39.5	BUD	5-Mar-99	< 3	HU			4	H				
W-830-54	82.5	BUD	6-Mar-99	22	H			2	HU				
W-830-54	90.5	BUD	6-May-99	18	H			2	HU				

Table A-16. Nitrogenous compounds in soil and rock (mg/kg), Building 832 Canyon OU.

				Ammonia Nitrogen (as N) mg/kg		Nitrate (as N) mg/kg		Nitrate (as NO3) mg/kg		Nitrite (as N) mg/kg		Total Kjeldahl Nitrogen mg/kg	
LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-55	5.5	BUD	18-May-99	17	H			2	HU				
W-830-55	8	BUD	18-May-99	10	H			2	HU				
W-830-55	15	BUD	18-May-99	< 3	HU			2	HU				
W-830-55	20	BUD	18-May-99	< 3	HU			2	HU				
W-830-55	30	BUD	18-May-99	< 3	HU			2	HU				
W-830-55	50.5	BUD	19-May-99	< 3	HU			3	HU				
W-830-55	69.5	BUD	19-May-99	< 3	HU			3	HU				
W-830-55	90.5	BUD	19-May-99	< 3	HU			3	HU				
W-830-55	110.5	BUD	20-May-99	< 3	HU			4	HU				
W-830-55	119.5	BUD	20-May-99	10	H			2	HU				
W-830-55	132.5	BUD	24-May-99	26	H			2	HU				
W-830-55	139.5	BUD	24-May-99	17	H			< 2	HU				
W-830-55	159.5	BUD	24-May-99	18	H			2	HU				
W-830-56	10	BUD	3-Jun-99					35					
W-830-56	10	BUD	3-Jun-99	< 3	HU			3	HU				
W-830-56	15	BUD	3-Jun-99	< 3	HU			< 2	HU				
W-830-56	20	BUD	3-Jun-99	< 3	HU			< 2	HU				
W-830-56	25	BUD	3-Jun-99	< 3	HU			3	HU				
W-830-56	30	BUD	3-Jun-99	4	H			2	HU				
W-832-25	27	BUD	2-Feb-99	< 3	HU			10	HU				
W-832-25	28.6	BUD	2-Feb-99	< 3	HU			2	HU				
W-832-25	29.1	BUD	2-Feb-99	< 3	HU			5	HU				
W-832-25	42.1	BUD	2-Feb-99	< 3	HU			2	HU				

Table A-17. Metals in ground water and surface water (mg/L), Building 832 Canyon OU.

			Arsenic		Barium		Beryllium		Cadmium		Chromium		Copper		Iron		Lead		Manganese		Mercury		Nickel		Selenium		Silver		Zinc	
			mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-35B-01	RTN	20-Nov-97	0.0021		0.077	D			< 0.0005	U	< 0.001	U					< 0.002	U			< 0.0002	U			0.011		< 0.001	U		
W-35B-01	RTN	20-Nov-97											< 0.05	U	< 0.1	U			0.042				< 0.1	U					< 0.05	U
W-35B-01	RTN	22-Jun-98																											< 0.02	UL
W-35B-01	RTN	22-Jun-98	< 0.002	U																										
W-35B-01	RTN	3-Dec-98											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-35C-06	RTN	8-Jan-91	< 0.002	P	0.06	P			< 0.0005	P	< 0.005	P					< 0.002	P			< 0.0005	P			< 0.002	P	< 0.05	P		
W-35C-06	RTN	8-Jan-91											0.06	P	< 0.1	P			0.06	P									0.16	P
W-35C-06	RTN	13-May-91	< 0.002	P	0.05	P			< 0.0005	P	< 0.005	P					< 0.002	P			< 0.0005	P			< 0.002	P	< 0.05	P		
W-35C-06	RTN	13-May-91											< 0.05	P	< 0.1	P			< 0.05	P									< 0.05	P
W-4C	RTN	10-Mar-92											< 0.05	P	< 0.1	P			< 0.04	P									< 0.05	P
W-4C	RTN	10-Mar-92	0.009	P	0.06	P			< 0.0005	P	0.008	P					0.006	P			< 0.0002	P			< 0.002	P	< 0.0005	P		
W-4C	RTN	11-May-98																											< 0.02	U
W-4C	RTN	11-May-98	0.0041																											
W-6BS	RTN	10-Mar-88											< 0.02	P	0.05	P			< 0.01	P									< 0.01	P
W-6BS	RTN	3-Nov-88											< 0.08	P	< 0.04	P			< 0.04	P									0.02	P
W-6BS	RTN	13-May-98																											< 0.02	U
W-6BS	RTN	13-May-98	0.0027																											
W-6ES	RTN	4-Nov-88											< 0.08	P	< 0.04	P			< 0.04	P									0.04	P
W-6ES	RTN	13-May-91											< 0.05	P	< 0.1	P			< 0.05	P									< 0.05	P
W-6ES	RTN	13-May-98																											< 0.02	U
W-6ES	RTN	13-May-98	< 0.002	U																										
W-814-04	RTN	3-May-94											< 0.05	U	< 0.1	U			0.36				< 0.1	U					0.2	
W-814-04	RTN	3-May-94	0.05		0.044				< 0.0005	U	0.01						< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-814-04	RTN	3-May-94	0.0818		0.0641		< 0.0001	U	0.00056		0.0023		0.0094				0.00302												0.126	
W-814-04	RTN	6-Dec-94	0.075		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-814-04	RTN	6-Dec-94											< 0.05	U	< 0.1	U			0.078				< 0.1	U					< 0.05	U
W-814-04	RTN	21-May-98																											< 0.02	U
W-814-04	RTN	21-May-98	0.078																											
W-830-04A	RTN	18-Oct-88											< 0.08	P	< 0.04	P			0.06	P									< 0.01	P
W-830-05	RTN	18-Oct-88											< 0.08	P	< 0.04	P			< 0.04	P									0.03	P
W-830-05	RTN	28-Dec-98											< 0.01	U	0.052				< 0.01	U			< 0.05	U					0.015	
W-830-05	DUP	28-Dec-98											< 0.01	U	0.064				< 0.01	U			< 0.05	U					< 0.01	U
W-830-09	RTN	17-Oct-88											< 0.02	P	13	P			0.98	P									< 0.01	P
W-830-09	RTN	3-Nov-94											< 0.05	U	< 0.1	U			0.061				< 0.1	U					< 0.05	U
W-830-10	RTN	18-Mar-92											< 0.05	P	< 0.1	P			< 0.05	P									< 0.05	P
W-830-10	RTN	18-Mar-92	0.043	P	< 0.05	P			< 0.0005	P	< 0.005	P					< 0.002	P			< 0.0002	P			0.027	P	< 0.0005	P		
W-830-10	RTN	24-Feb-98											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-10	RTN	24-Feb-98	0.054	L	< 0.025	U	< 0.0005	UL	< 0.0005	U	0.008		< 0.01	U	< 0.1	U	< 0.002	U	< 0.03	U	< 0.0002	UO	< 0.005	U	0.034		< 0.0005	U	< 0.02	U
W-830-10	RTN	23-Dec-98											< 0.01	UH	< 0.05	UH			< 0.01	UH			< 0.05	UH					< 0.01	UH
W-830-11	RTN	25-Jun-92	0.006	P	< 0.05	P			< 0.0005	P	0.006	P					0.002	P			< 0.0002	P			< 0.002	P	< 0.05	P		
W-830-11	RTN	25-Jun-92											< 0.05	P	< 0.1	P			< 0.05	P									< 0.05	P
W-830-11	RTN	23-Dec-98											< 0.01	UH	< 0.05	UH			< 0.01	UH			< 0.05	UH					< 0.01	UH
W-830-12	RTN	21-Dec-94											< 0.05	U	< 0.1	U			0.13				< 0.1	U					< 0.05	U
W-830-12	RTN	21-Dec-94	0.034		0.034				< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-830-12	RTN	8-Mar-95	0.037		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-830-12	RTN	8-Mar-95											< 0.05	U	< 0.1	U			0.12				< 0.1	U					< 0.05	U
W-830-13	RTN	16-Mar-95	0.028		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.016		< 0.001	U		
W-830-13	RTN	16-Mar-95											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-14	RTN	16-Mar-95	0.032		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-830-14	RTN	16-Mar-95											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-15	RTN	16-Mar-95	0.0022		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-830-15	RTN	16-Mar-95											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-16	RTN	25-Jan-96											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-16	RTN	25-Jan-96	0.033	LO	0.025	LO			< 0.0005	ULO	< 0.01	ULO					< 0.002	ULO			< 0.0002	ULO			< 0.002	ULO	< 0.001	ULO		
W-830-17	RTN	25-Jan-96											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-17	RTN	25-Jan-96	0.06	LO	< 0.025	ULO			< 0.0005	ULO	< 0.01	ULO					< 0.002	ULO			< 0.0002	ULO			0.0032	LO	< 0.001	ULO		
W-830-18	RTN	28-Jun-96											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-18	RTN	28-Jun-96	0.017		< 0.025	U			< 0.0005	U	< 0.001	U					< 0.002	U			< 0.0002	U			0.004	LO	< 0.001	U		
W-830-18	RTN	25-Nov-98											< 0.01	U	< 0.05	U			0.13				< 0.05	U					< 0.01	U
W-830-18	RTN	23-Dec-02											< 0.05	U	< 0.1	U			0.13				< 0.1	U					< 0.05	U
W-830-19	RTN	28-Jun-96											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-19	RTN	28-Jun-96	0.028		0.041				0.0015		0.0022						< 0.002	U			< 0.0002	U			0.011	LO	< 0.001	U		
W-830-19	RTN	24-Feb-98											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U

Table A-17. Metals in ground water and surface water (mg/L), Building 832 Canyon OU.

			Arsenic		Barium		Beryllium		Cadmium		Chromium		Copper		Iron		Lead		Manganese		Mercury		Nickel		Selenium		Silver		Zinc	
			mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-19	RTN	24-Feb-98	0.028	L	0.051		< 0.0005	UL	< 0.0005	U	0.0081		< 0.01	U	0.35		< 0.002	U	< 0.03	U	< 0.0002	UO	< 0.005	U	0.034		< 0.0005	U	0.02	
W-830-19	RTN	25-Nov-98											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-830-19	RTN	20-Jun-00																							0.031					
W-830-19	RTN	14-Aug-00																							0.024					
W-830-19	RTN	21-Nov-00																							0.02	D				
W-830-19	RTN	29-Jan-01																							0.011					
W-830-19	RTN	22-May-01																							0.04	L				
W-830-19	RTN	19-Sep-01																							0.037	L				
W-830-19	RTN	13-Dec-01																							< 0.1	U				
W-830-19	RTN	15-Mar-02																							0.018	L				
W-830-19	RTN	26-Dec-02											< 0.01	U	0.18				< 0.01	U			< 0.05	U					< 0.05	U
W-830-19	DUP	19-Mar-03											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-19	RTN	19-Mar-03											< 0.01	U	< 0.1	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-20	RTN	24-Sep-96											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-20	RTN	24-Sep-96	0.013		< 0.025	U			< 0.0005	U	< 0.001	U					< 0.002	U			< 0.0002	U			0.0026	L	< 0.001	U		
W-830-21	RTN	19-Sep-96											< 0.05	U	< 0.1	U			0.14				< 0.1	U					< 0.05	U
W-830-21	RTN	19-Sep-96	0.0085		< 0.025	U			< 0.0005	U	< 0.001	U					< 0.002	U			0.00026				0.0033		< 0.001	U		
W-830-21	RTN	25-Nov-98											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-830-21	DUP	23-Dec-02											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-21	RTN	23-Dec-02											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-22	RTN	20-Sep-96											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-22	RTN	20-Sep-96	< 0.002	U	0.079				< 0.0005	U	0.0018						< 0.002	U			< 0.0002	U			0.0035	L	< 0.001	U		
W-830-22	RTN	25-Nov-98											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-830-22	RTN	26-Dec-02											< 0.01	U	< 0.1	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-22	RTN	19-Mar-03											< 0.01	U	< 0.1	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-25	RTN	24-Feb-98											< 0.05	U	0.1				< 0.03	U			< 0.1	U					< 0.05	U
W-830-25	RTN	24-Feb-98	0.016	L	0.03		< 0.0005	UL	< 0.0005	U	0.0076		< 0.01	U	0.99		< 0.002	U	< 0.03	U	< 0.0002	UO	0.0054		0.0095		< 0.0005	U	< 0.02	U
W-830-25	RTN	25-Nov-98											< 0.01	U	< 0.05	U			0.011				< 0.05	U					0.038	
W-830-25	RTN	30-Dec-02											< 0.01	U	1.5				0.037				< 0.05	U					< 0.05	U
W-830-26	RTN	20-Sep-96											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-26	RTN	20-Sep-96	0.016		0.044				0.00072		< 0.001	U					< 0.002	U			< 0.0002	U			0.014	L	< 0.001	U		
W-830-26	RTN	25-Nov-98											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-830-26	RTN	19-Mar-03											< 0.01	U	0.2				< 0.01	U			< 0.05	U					< 0.05	U
W-830-27	RTN	19-Sep-96											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-27	RTN	19-Sep-96	0.025		< 0.025	U			< 0.0005	U	< 0.001	U					< 0.002	U			< 0.0002	U			0.018		< 0.001	U		
W-830-27	RTN	25-Nov-98											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-830-27	RTN	30-Dec-02											< 0.01	U	0.26				< 0.01	U			< 0.05	U					< 0.05	U
W-830-28	RTN	23-Sep-96											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-28	RTN	23-Sep-96	0.0059		0.13				< 0.0005	U	0.0096						0.0032				< 0.0002	U			0.014	L	< 0.001	U		
W-830-28	RTN	25-Nov-98											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-830-28	DUP	30-Dec-02											< 0.01	U	< 0.1	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-28	RTN	30-Dec-02											< 0.01	U	0.12				< 0.01	U			< 0.05	U					< 0.05	U
W-830-29	RTN	17-Mar-97	0.02		0.041				< 0.0005	U	< 0.001	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-830-29	RTN	17-Mar-97											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-29	RTN	19-Mar-03											< 0.01	U	< 0.1	U			0.14				< 0.05	U					< 0.05	U
W-830-30	RTN	11-Mar-97	0.013		< 0.025	U			0.0011		0.0054						< 0.002	U			< 0.0002	U			< 0.002	LU	< 0.001	U		
W-830-30	RTN	11-Mar-97											< 0.05	U	2.3				< 0.03	U			< 0.1	U					< 0.05	U
W-830-30	RTN	25-Feb-98											< 0.05	U	0.7				< 0.03	U			< 0.1	U					< 0.05	U
W-830-30	RTN	25-Feb-98	0.012		0.031		< 0.0005	U	< 0.0005	U	0.016	L	< 0.01	U	4.8	L	0.0056		0.11		< 0.0002	U	0.012	L	0.014		< 0.0005	U	0.03	
W-830-30	RTN	27-Dec-02											< 0.01	UH	0.21	H			< 0.01	UH			< 0.05	UH					< 0.05	UH
W-830-34	RTN	11-Mar-97	0.0057		< 0.025	U			< 0.0005	U	0.0024						< 0.002	U			< 0.0002	U			0.023	L	< 0.001	U		
W-830-34	RTN	11-Mar-97											< 0.05	U	1.6				< 0.03	U			< 0.1	U					< 0.05	U
W-830-34	RTN	10-Mar-98											< 0.05	U	0.84				< 0.03	U			< 0.1	U					< 0.05	U
W-830-34	RTN	10-Mar-98	0.0046		0.094		0.00066	O	< 0.0005	UL	0.033		0.036		16		0.011		0.25		< 0.0002	U	< 0.005	U	0.023		< 0.0005	U	0.061	
W-830-34	RTN	27-Dec-02											< 0.01	UH	0.27	H			< 0.01	UH			< 0.05	UH					< 0.05	UH
W-830-49	RTN	15-Jun-98	0.016		0.11				< 0.0005	U	0.0034						< 0.002	U			< 0.0002	U			0.093		< 0.001	U		
W-830-49	RTN	15-Jun-98											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-49	RTN	15-Dec-98											< 0.01	U	< 0.05	U			0.022				< 0.05	U					0.028	
W-830-49	RTN	17-Jun-02											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					0.35	
W-830-49	RTN	27-Dec-02											< 0.01	UH	0.2	H			< 0.01	UH			< 0.05	UH					0.38	H
W-830-50	RTN	1-Apr-99	0.029		0.045				< 0.0005	U	< 0.001	U					< 0.005	U			< 0.0002	U			0.01		< 0.001	U		
W-830-50	RTN	1-Apr-99											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-830-50	RTN	14-Sep-99	0.025		0.048				< 0.0005	U	< 0.001	U					< 0.005	U			< 0.0002	U			0.013		< 0.001	U		

Table A-17. Metals in ground water and surface water (mg/L), Building 832 Canyon OU.

			Arsenic		Barium		Beryllium		Cadmium		Chromium		Copper		Iron		Lead		Manganese		Mercury		Nickel		Selenium		Silver		Zinc	
			mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-50	RTN	14-Sep-99											< 0.05	LU	< 0.1	U			< 0.03	LU			< 0.1	U					< 0.05	U
W-830-50	RTN	26-Dec-02											< 0.01	U	< 0.1	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-50	RTN	25-Mar-03											< 0.01	U	< 0.1	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-51	RTN	10-Sep-99	0.058	D	< 0.025	U			< 0.0005	U	< 0.001	U					< 0.005	U			< 0.0002	U			0.031	D	< 0.001	U		
W-830-51	RTN	10-Sep-99											< 0.01	U	< 0.05	U			0.025				< 0.05	U					0.051	
W-830-52	RTN	15-Feb-00	0.031		< 0.025	U			< 0.0005	U	< 0.001	U					< 0.005	U			< 0.0002	U			0.038	D	< 0.001	U		
W-830-52	RTN	15-Feb-00											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-53	RTN	15-Feb-00	0.031		< 0.025	U			< 0.0005	U	< 0.001	U					< 0.005	U			< 0.0002	U			0.03	D	< 0.001	U		
W-830-53	RTN	15-Feb-00											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-54	RTN	18-Feb-00	0.008	D	< 0.025	U			< 0.0005	U	0.001						< 0.005	U			< 0.0002	U			0.002		< 0.002	DU		
W-830-54	RTN	18-Feb-00											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-55	RTN	18-Feb-00	0.048	D	< 0.025	U			< 0.0005	U	< 0.001	EU					< 0.005	U			< 0.0002	U			0.009		< 0.002	DU		
W-830-55	RTN	18-Feb-00											< 0.01	U	< 0.05	U			0.073				< 0.05	U					< 0.05	U
W-830-56	RTN	11-Feb-00	0.007		0.17				< 0.0005	U	0.0081						< 0.005	U			< 0.0002	U			0.009		< 0.001	U		
W-830-56	RTN	11-Feb-00											< 0.01	U	< 0.05	U			0.011				< 0.05	U					< 0.05	U
W-830-57	RTN	30-Mar-00	0.01		0.04				< 0.001	U	< 0.001	U					< 0.005	U			< 0.0002	U			0.022		< 0.001	U		
W-830-57	RTN	30-Mar-00											< 0.01	U	< 0.05	LU			< 0.01	U			< 0.05	U					< 0.05	U
W-830-58	RTN	31-Mar-00	0.012		< 0.1	U			< 0.001	U	0.001						< 0.005	U			< 0.0002	U			0.032		< 0.001	U		
W-830-58	RTN	31-Mar-00											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-59	RTN	24-Aug-00	0.038		0.04				< 0.0005	U	0.003						< 0.005	U			< 0.0002	U			0.02	D	< 0.001	U		
W-830-59	RTN	24-Aug-00											0.03		< 0.05	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-60	RTN	30-Jun-00	0.016		< 0.025	U			< 0.0005	U	< 0.001	U					< 0.02	DU			< 0.0002	U			0.022		< 0.001	U		
W-830-60	RTN	30-Jun-00											0.02		< 0.05	U			< 0.01	U			< 0.05	U					< 0.05	U
W-830-1730	RTN	19-Mar-02	0.013		< 0.025	U			< 0.0005	U	< 0.001	U					< 0.005	U			< 0.0002	U			< 0.004	DU	< 0.001	U		
W-830-1730	RTN	19-Mar-02											< 0.01	U	< 0.05	U			0.011				< 0.05	U					< 0.05	U
W-830-1807	RTN	14-Apr-04											< 0.01	U	0.054				0.025	L			< 0.05	U					< 0.05	U
W-830-1829	DUP	30-Jun-03	0.011		1.6				< 0.0005	U	0.019						< 0.005	U			0.00021				< 0.005	LU	< 0.001	U		
W-830-1829	DUP	30-Jun-03											0.016	H	4.2	LH			0.18	H			< 0.05	HU					0.067	H
W-830-1829	RTN	30-Jun-03	0.013		0.67				< 0.0005	U	0.023						< 0.005	U			< 0.0002	U			< 0.005	LU	< 0.001	U		
W-830-1829	RTN	30-Jun-03											< 0.01	HU	0.3	LH			0.031	H			< 0.05	HU					< 0.05	HU
W-830-1829	RTN	6-Nov-03	0.015		< 0.1	U			< 0.001	U	0.007						< 0.005	U			< 0.0002	U			0.016		< 0.001	U		
W-830-1829	RTN	6-Nov-03											< 0.01	U					< 0.01	U			< 0.05	U					< 0.05	U
W-830-1829	RTN	28-Jan-04	0.017		0.033				< 0.0005	U	0.0029						< 0.005	U			< 0.0002	U			0.021		< 0.001	U		
W-830-1829	RTN	28-Jan-04											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-1829	RTN	29-Apr-04	0.025		0.03				< 0.0005	U	0.002						< 0.005	U			< 0.0002	U			0.02		< 0.001	U		
W-830-1829	RTN	29-Apr-04											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-1830	RTN	30-Jun-03	0.017		0.45				< 0.0005	U	0.015						0.0079				< 0.0002	U			0.016	L	< 0.001	U		
W-830-1830	RTN	30-Jun-03											< 0.01	HU	< 0.1	LUH			0.048	H			< 0.05	HU					< 0.05	HU
W-830-1830	RTN	6-Nov-03	0.014		< 0.1	U			< 0.001	U	< 0.005	U					< 0.005	U			< 0.0002	U			0.033		< 0.001	U		
W-830-1830	RTN	6-Nov-03											< 0.01	U					0.046				< 0.05	U					0.072	
W-830-1830	RTN	28-Jan-04	0.018		0.073				< 0.0005	U	0.0018						< 0.005	U			< 0.0002	U			0.031		< 0.001	U		
W-830-1830	RTN	28-Jan-04											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					0.074	
W-830-1830	RTN	29-Apr-04	0.017		0.081				< 0.0005	U	< 0.001	U					< 0.005	U			< 0.0002	U			0.022		< 0.001	U		
W-830-1830	RTN	29-Apr-04											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					0.06	
W-830-1831	RTN	10-Feb-04	0.015		< 0.025	U			< 0.0005	U	< 0.001	U					< 0.005	U			< 0.0002	U			0.0052		< 0.001	U		
W-830-1831	RTN	10-Feb-04											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-1831	RTN	26-Apr-04	0.017		< 0.025	U			< 0.0005	U	0.0031						< 0.005	U			< 0.0002	U			0.0048		< 0.001	U		
W-830-1831	RTN	26-Apr-04											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-1832	RTN	10-Sep-03	< 0.005	U	< 0.1	U			< 0.0005	OU	< 0.005	U					< 0.005	OU			< 0.0002	LU			< 0.005	LU	< 0.001	LOU		
W-830-1832	RTN	10-Sep-03											< 0.01	U	< 0.1	U			0.012				< 0.05	U					< 0.05	U
W-830-1832	REA	10-Sep-03	0.0046		0.0093				< 0.001	U	< 0.005	U					< 0.005	U							0.003		< 0.001	U		
W-830-1832	RTN	10-Feb-04	0.0044		< 0.025	U			< 0.0005	U	< 0.001	U					< 0.005	U			< 0.0002	U			0.0038		< 0.001	U		
W-830-1832	RTN	10-Feb-04											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-830-1832	RTN	26-Apr-04	0.0046		< 0.025	U			< 0.0005	U	0.003						< 0.005	U			< 0.0002	U			0.0032		< 0.001	U		
W-830-1832	RTN	26-Apr-04											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-831-01	RTN	17-Oct-88											< 0.02	P	0.08	P			0.12	P									< 0.01	P
W-831-01	RTN	10-Dec-91											< 0.05	P	< 0.1	P			< 0.05	P									< 0.05	P
W-832-01	RTN	21-Nov-94											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-832-01	RTN	21-Nov-94	0.0052		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.029		< 0.001	U		
W-832-01	RTN	16-Mar-95	0.0056		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.024		< 0.001	U		
W-832-01	RTN	16-Mar-95											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-832-01	DUP	16-Mar-95	0.0063		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.023		< 0.001	U		
W-832-01	DUP	16-Mar-95											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U

Table A-17. Metals in ground water and surface water (mg/L), Building 832 Canyon OU.

			Arsenic		Barium		Beryllium		Cadmium		Chromium		Copper		Iron		Lead		Manganese		Mercury		Nickel		Selenium		Silver		Zinc	
			mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-05	RTN	16-Nov-94	0.0039		0.044				< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.057		< 0.001	U		
W-832-05	RTN	16-Nov-94											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-832-05	RTN	6-Dec-94	< 0.002	U	0.031				< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.062		< 0.001	U		
W-832-05	RTN	6-Dec-94											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-832-05	RTN	21-Dec-94											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-832-05	RTN	21-Dec-94	0.0062		0.032				< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.079		< 0.001	U		
W-832-05	RTN	9-Mar-95	0.0039		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.011		< 0.001	U		
W-832-05	RTN	9-Mar-95											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-832-05	RTN	24-Feb-98											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-832-05	RTN	24-Feb-98	0.0058	L	0.037		< 0.0005	UL	< 0.0005	U	0.016		< 0.01	U	1.7		< 0.002	U	0.041		< 0.0002	UO	0.013		0.068		< 0.0005	U	< 0.02	U
W-832-05	DUP	8-Dec-98											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					0.014	
W-832-05	RTN	8-Dec-98											< 0.05	U	0.15	L			< 0.03	U			< 0.1	U					< 0.05	U
W-832-05	RTN	2-Feb-04	< 0.002	U	0.063				< 0.0005	U	0.001						< 0.005	U			< 0.0002	U			0.0084		< 0.001	U		
W-832-05	RTN	2-Feb-04											< 0.05	HU	0.11	H			0.56	H			< 0.1	HU					< 0.05	HU
W-832-06	RTN	9-Mar-95	< 0.002	U	< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.0089		< 0.001	U		
W-832-06	RTN	9-Mar-95											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-832-09	RTN	21-Nov-94											< 0.05	U	< 0.1	U			0.068				< 0.1	U					< 0.05	U
W-832-09	RTN	21-Nov-94	0.037		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-832-09	RTN	16-Mar-95	0.032		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-832-09	RTN	16-Mar-95											< 0.05	U	< 0.1	U			0.084				< 0.1	U					< 0.05	U
W-832-09	DUP	16-Mar-95	0.033		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-832-09	DUP	16-Mar-95											< 0.05	U	< 0.1	U			0.084				< 0.1	U					< 0.05	U
W-832-09	RTN	15-Dec-98											< 0.01	U	< 0.05	U			0.09				< 0.05	U					< 0.01	U
W-832-10	RTN	15-Jun-98	0.013		< 0.025	U			< 0.0005	U	0.0032						< 0.002	U			< 0.0002	U			0.079		< 0.001	U		
W-832-10	RTN	15-Jun-98											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-832-10	RTN	8-Dec-98											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-832-11	RTN	15-Jun-98	0.0061		0.04				< 0.0005	U	0.0028						< 0.002	U			< 0.0002	U			0.041		< 0.001	U		
W-832-11	RTN	15-Jun-98											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-832-11	RTN	8-Dec-98											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-832-12	RTN	16-Mar-98											< 0.05	U	0.28				< 0.03	U			< 0.1	U					< 0.05	U
W-832-12	RTN	16-Mar-98	0.0094		0.035		< 0.0005	UL	< 0.0005	UL	0.013		< 0.01	U	1.8	O	< 0.002	U	0.034		< 0.0002	U	0.0079		0.04		< 0.0005	U	< 0.02	U
W-832-13	RTN	16-Mar-98											< 0.05	U	0.22				< 0.03	U			< 0.1	U					< 0.05	U
W-832-13	RTN	16-Mar-98	0.0092		0.025		< 0.0005	UL	< 0.0005	UL	0.012		< 0.01	U	0.64	O	< 0.002	U	< 0.03	U	< 0.0002	U	0.009		0.065		< 0.0005	U	0.032	
W-832-14	RTN	17-Mar-98											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-832-14	RTN	17-Mar-98	0.0096		0.026		< 0.0005	LOU	< 0.0005	LOU	0.012		< 0.01	U	0.47		< 0.002	U	< 0.03	U	< 0.0002	U	0.006		0.044		< 0.0005	U	< 0.02	U
W-832-15	RTN	16-Mar-98											< 0.05	U	0.26				< 0.03	U			< 0.1	U					< 0.05	U
W-832-15	RTN	16-Mar-98	0.01		0.027		< 0.0005	UL	< 0.0005	UL	0.01		< 0.01	U	1.3	O	< 0.002	U	< 0.03	U	< 0.0002	U	0.0082		0.047		< 0.0005	U	0.027	
W-832-16	RTN	16-Mar-98											< 0.05	U	0.88				< 0.03	U			< 0.1	U					< 0.05	U
W-832-16	RTN	16-Mar-98	0.011		0.51		0.002	L	< 0.0005	UL	0.046		0.058		34	O	0.015		0.7		< 0.0002	U	0.04		0.047		0.0027		0.092	
W-832-17	RTN	17-Mar-98											< 0.05	U	0.38				< 0.03	U			< 0.1	U					< 0.05	U
W-832-17	RTN	17-Mar-98	0.0088		0.1		< 0.0005	LOU	0.00057	LOU	0.018		0.021		5.6		0.0053		0.082		< 0.0002	U	0.016		0.027		< 0.0005	U	0.027	
W-832-18	RTN	24-Mar-98											< 0.05	U	1.2				< 0.03	U			< 0.1	U					< 0.05	U
W-832-18	RTN	25-Mar-98	0.012		0.03		< 0.0005	U	< 0.0005	U	0.0071		< 0.01	U	< 0.1	U	< 0.002	U	< 0.03	U	< 0.0002	U	0.013		0.29	D	< 0.0005	U	< 0.02	U
W-832-19	RTN	24-Mar-98											< 0.05	U	1				< 0.03	U			< 0.1	U					< 0.05	U
W-832-19	RTN	24-Mar-98	0.013		0.029		< 0.0005	U	< 0.0005	U	0.0088		< 0.01	U	< 0.1	U	< 0.002	U	< 0.03	U	< 0.0002	U	< 0.005	U	0.02		< 0.0005	U	< 0.02	U
W-832-20	RTN	25-Mar-98	0.0072		0.027		< 0.0005	U	< 0.0005	U	0.0093		< 0.01	U	< 0.1	U	< 0.002	U	< 0.03	U	< 0.0002	U	0.0083		0.11		< 0.0005	U	< 0.02	U
W-832-20	RTN	25-Mar-98											< 0.05	U	0.33	LO			< 0.03	U			< 0.1	U					< 0.05	U
W-832-21	RTN	25-Mar-98	0.0067		< 0.025	U	< 0.0005	U	0.0007		0.0091		< 0.01	U	< 0.1	U	< 0.002	U	< 0.03	U	< 0.0002	U	0.0083		< 0.002	U	< 0.0005	U	< 0.02	U
W-832-23	RTN	24-Mar-99	0.0039	D	0.03				< 0.0005	U	0.0012						< 0.005	U			< 0.0002	U			0.13	D	< 0.001	U		
W-832-23	RTN	24-Mar-99											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-832-24	RTN	24-Mar-99	0.014	D	< 0.025	U			< 0.0005	U	0.0017	D					< 0.005	U			< 0.0002	U			0.077	D	< 0.001	U		
W-832-24	RTN	24-Mar-99											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-832-25	RTN	15-Feb-00	0.013		< 0.025	U			< 0.0005	U	0.0022						< 0.005	U			< 0.0002	U			0.037	D	< 0.001	U		
W-832-25	RTN	15-Feb-00											< 0.01	U	< 0.05	U			< 0.01	U			< 0.05	U					< 0.05	U
W-832-SC1	DUP	28-Dec-98											0.01		< 0.05	U			< 0.01	U			< 0.05	U					0.02	
W-832-SC1	RTN	28-Dec-98											< 0.05	U	< 0.1	ULO			< 0.03	U			< 0.1	U					< 0.05	U
W-832-SC4	RTN	28-Dec-98											0.016		< 0.05	U			< 0.01	U			< 0.05	U					0.014	
W-832-1927	RTN	11-Feb-04	0.021		< 0.025	U			< 0.0005	U	0.0024						< 0.005	U			< 0.0002	U			0.03	L	< 0.001	U		
W-832-1927	RTN	11-Feb-04											< 0.05	HU	< 0.1	HU			< 0.03	HU			< 0.1	HU					0.13	H
W-832-1927	RTN	26-Apr-04	0.022		< 0.025	U			< 0.0005	U	0.0037						< 0.005	U			< 0.0002	U			0.031		< 0.001	U		
W-832-1927	RTN	26-Apr-04											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-870-01	RTN	18-Mar-98	0.0064		0.18				< 0.0005	U	0.0081						< 0.002	U			< 0.0002	U			0.036		< 0.001	U		
W-870-01	RTN	18-Mar-98											< 0.05	U	0.52				< 0.03	U			< 0.1	U					< 0.05	U

Table A-17. Metals in ground water and surface water (mg/L), Building 832 Canyon OU.

			Arsenic		Barium		Beryllium		Cadmium		Chromium		Copper		Iron		Lead		Manganese		Mercury		Nickel		Selenium		Silver		Zinc	
			mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-870-01	RTN	27-May-98	0.0069		0.051				< 0.0005	U	0.0037						< 0.002	U			< 0.0002	U			0.049		< 0.001	U		
W-870-01	RTN	27-May-98											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-870-02	DUP	18-Jun-97	0.027		< 0.025	U			< 0.0005	U	0.0014						< 0.005	DU			< 0.0002	U			0.018	D	< 0.001	U		
W-870-02	DUP	18-Jun-97											0.015		< 0.05	U			< 0.01	U			< 0.05	U					< 0.01	U
W-870-02	RTN	18-Jun-97	0.024		< 0.025	U			< 0.0005	U	0.0013						< 0.002	U			< 0.0002	U			0.021		< 0.001	U		
W-870-02	RTN	18-Jun-97											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-880-01	RTN	24-Jan-96											< 0.05	U	0.26				< 0.03	U			< 0.1	U					< 0.05	U
W-880-01	RTN	24-Jan-96	0.072		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-880-01	RTN	10-Dec-98											< 0.01	U	< 0.05	U			0.025				< 0.05	U					0.016	
W-880-02	RTN	26-Jan-96											< 0.05	U	< 0.1	U			0.07				< 0.1	U					< 0.05	U
W-880-02	RTN	26-Jan-96	< 0.002	ULO	0.047	LO			< 0.0005	ULO	< 0.01	ULO					< 0.002	ULO			0.00036	LO			0.0037	LO	< 0.001	ULO		
W-880-03	RTN	24-Jan-96											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-880-03	RTN	24-Jan-96	0.0042		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-880-03	DUP	24-Jan-96											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
W-880-03	DUP	24-Jan-96	0.0034		< 0.025	U			< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			< 0.002	U	< 0.001	U		
W-880-03	RTN	10-Dec-98											< 0.01	U	< 0.05	U			0.016				< 0.05	U					< 0.01	U
SPRING3	RTN	3-Sep-93	0.055		0.1				< 0.001	U	< 0.01	U					< 0.005	U			< 0.0005	U			< 0.005	U	< 0.001	U		
SPRING3	RTN	3-Sep-93					< 0.0005	U																						
SPRING3	RTN	3-Sep-93											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
SPRING3	RTN	20-Apr-94	0.061		0.081		< 0.0005	U	< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.011		< 0.001	U		
SPRING3	RTN	20-Apr-94											< 0.05	U	< 0.1	U			0.1				< 0.1	U					< 0.05	U
SPRING3	RTN	24-Oct-95											< 0.05	U	< 0.1	U			0.24				< 0.1	U					< 0.05	U
SPRING3	RTN	24-Oct-95	0.041		0.061		< 0.0005	U	< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.011		< 0.001	U		
SPRING3	RTN	24-Oct-95	0.01	L	0.08		< 0.001	U			< 0.01	U					< 0.01	U			< 0.0002	U			< 0.01	U	< 0.01	U		
SPRING3	RTN	24-Oct-95											< 0.05	U	< 0.05	U			0.29										< 0.05	U
SPRING3	RTN	21-Jun-96	0.041		0.105				< 0.0005	U	< 0.001	U					< 0.005	U			< 0.0002	DU			0.016		< 0.001	U		
SPRING3	RTN	21-Jun-96					< 0.0005	U																						
SPRING3	RTN	21-Jun-96											< 0.05	U	< 0.1	U			0.396				< 0.1	U					< 0.05	U
SPRING3	RTN	21-Jun-96											< 0.05	U	< 0.1	U			0.48				< 0.1	U					< 0.05	U
SPRING3	RTN	21-Jun-96	0.039		0.087				< 0.0005	U	< 0.001	U					< 0.002	ULO			< 0.0002	U			0.01	LO	< 0.001	ULO		
SPRING3	RTN	21-Jun-96					< 0.0005	U																						
SPRING3	RTN	28-Dec-98											0.017		< 0.05	U			< 0.01	U			< 0.05	U					0.023	
SPRING4	RTN	20-Apr-94	0.0052		0.16		< 0.0005	U	< 0.0005	U	< 0.01	U					0.0045				< 0.0002	U			0.0035		< 0.001	U		
SPRING4	RTN	20-Apr-94											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
SPRING4	RTN	31-Oct-95											< 0.05	U	< 0.1	U			< 0.03	U			< 0.1	U					< 0.05	U
SPRING4	RTN	31-Oct-95	0.0069		0.046		< 0.0005	U	< 0.0005	U	< 0.01	U					< 0.002	U			< 0.0002	U			0.0024		< 0.001	U		
SPRING4	RTN	31-Oct-95					< 0.0005	U																						
SPRING4	RTN	21-Jun-96											< 0.05	U	0.11				0.042				< 0.1	U					< 0.05	U
SPRING4	RTN	21-Jun-96	0.0053		0.29				< 0.0005	U	< 0.001	U					< 0.002	ULO			< 0.0002	U			< 0.002	ULO	< 0.001	ULO		
SPRING4	RTN	21-Jun-96					< 0.0005	U																						
SPRING4	RTN	17-Dec-98	0.0024		0.056				< 0.0005	U	0.0052						0.0056				< 0.0002	U			< 0.002	U	< 0.001	UL	0.1	L
SPRING4	RTN	17-Dec-98					< 0.0005	U																						
SPRING4	RTN	17-Dec-98											< 0.05	U	1.7	L			0.097				< 0.1	U					< 0.05	U
SPRING4	RTN	1-Jun-00	0.006		0.14				< 0.0005	U	0.002						< 0.005	U			< 0.0002	U			< 0.002	U	< 0.001	U		
SPRING4	RTN	1-Jun-00																											0.02	
SPRING4	RTN	1-Jun-00					< 0.0002	U																						
SPRING4	RTN	1-Jun-00											< 0.02	DU	0.85	D			0.29	D			< 0.05	DU					0.12	D
SPRING19	RTN	17-Dec-98											< 0.05	U	1.4	L			< 0.03	U			< 0.1	U					< 0.05	U

Table A-18. Total metal in soil and rock (mg/kg), Building 832 Canyon OU.

				Antimony mg/kg			Arsenic mg/kg			Barium mg/kg			Beryllium mg/kg			Cadmium mg/kg			Chromium mg/kg			Cobalt mg/kg			Copper mg/kg			Lead mg/kg			Mercury mg/kg			Molybdenum mg/kg			Nickel mg/kg			Selenium mg/kg		
LOCATION	DEPTH	TYPE	SAMPLED		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG
830-23	2.5	BUD	30-Nov-94	<	1	U		5.9			460			0.68		<	0.1	LOU		17			13			31		<	10	U	<	0.05	U	<	5	U		19		<	0.5	LOU
830-23	2.5	BUD	30-Nov-94								260																															
830-23	7	BUD	30-Nov-94	<	1	U		2.7			85			0.93		<	0.1	LOU		48			29			27		<	10	U	<	0.05	U	<	5	U		48		<	0.5	LOU
830-23	7	BUD	30-Nov-94																																							
830-23	11.4	BUD	30-Nov-94	<	1	U		3.1			77			0.63		<	0.1	LOU		40			15			26		<	10	U	<	0.05	U	<	5	U		29		<	0.5	LOU
830-23	15	BUD	30-Nov-94	<	1	U		1.7			54		<	0.5	U	<	0.1	LOU		78			13			22		<	10	U	<	0.05	U	<	5	U		27		<	0.5	LOU
830-23	15	BUD	30-Nov-94																																							
830-24	2.3	BUD	5-Dec-94	<	1	U		3.3			95		<	0.5	U	<	0.1	ULO		30			8.2			23		<	10	LOU	<	0.05	U	<	5	U		35		<	0.5	ULO
830-24	5	BUD	5-Dec-94	<	1	U		1.5			99			0.55		<	0.1	LOU		31			11			21		<	10	LOU	<	0.05	U	<	5	U		25		<	0.5	LOU
830-24	11.8	BUD	5-Dec-94	<	1	U		37			160			1.3		<	0.1	LOU		23			14			29		<	10	LOU	<	0.05	U	<	5	U		34		<	0.5	LOU
830-24	15	BUD	5-Dec-94	<	1	U		2.3			58			0.72		<	0.1	LOU		54			15			19		<	10	LOU	<	0.05	U	<	5	U		31		<	0.5	LOU
832-02	1.3	BUD	26-Sep-94	<	1	U		1.1			84		<	0.5	U		1			15			6.5			13			11		<	0.05	U	<	5	U		11		<	0.5	U
832-02	5.3	BUD	26-Sep-94	<	1	U		4.6			96			0.76			2.5			27			12			37			32		<	0.05	U	<	5	U		32		<	0.5	U
832-02	10.3	BUD	26-Sep-94	<	1	U	<	5	DU		220			0.69			2			37			14			66			34		<	0.05	U	<	5	U		33		<	0.5	U
832-02	15.3	BUD	27-Sep-94	<	1	U	<	5	DU		140		<	0.5	U		1.9			54			13			29			24		<	0.05	U	<	5	U		26		<	0.5	U
832-02	15.3	DUP	27-Sep-94	<	5	U	<	0.5	U		97			0.8		<	0.5	U		56			14			38			10		<	0.1	U	<	1	U		21		<	5	U
832-03	1	BUD	4-Oct-94	<	1	U		1.6			130		<	0.5	U	<	0.1	U		14			7.4			16		<	10	U	<	0.05	U	<	5	U		20		<	0.5	U
832-03	5.3	BUD	4-Oct-94	<	1	U		1.9			120		<	0.5	U	<	0.1	U		12			7.7			15		<	10	U	<	0.05	U	<	5	U		12		<	0.5	U
832-03	10.3	BUD	4-Oct-94	<	1	U		2.9			120		<	0.5	U	<	0.1	U		14			8.2			15		<	10	U	<	0.05	U	<	5	U		14		<	0.5	U
832-04	1.3	BUD	6-Oct-94	<	1	U		1.9			120			0.53		<	0.1	U		8.5			8.7			15		<	10	U	<	0.05	U	<	5	U		12		<	0.5	U
832-04	5.3	BUD	6-Oct-94	<	1	U	<	0.5	UL		120			0.59		<	0.1	U		26	L		11			19			11		<	0.05	U	<	5	U		21		<	0.5	U
832-04	10.3	BUD	6-Oct-94	<	1	U		2.9			160			0.61		<	0.1	U		14			8.9			30		<	10	U	<	0.05	U	<	5	U		16		<	0.5	U
832-04	10.3	DUP	6-Oct-94	<	5	U		3.4			270			0.73		<	0.5	U		16			10			26			6.4		<	0.1	U	<	1	U		17		<	5	U
832-04	15.3	BUD	6-Oct-94	<	1	U		2.3			160			0.61		<	0.1	U		13			8.7			29			14		<	0.05	U	<	5	U		16		<	0.5	U
832-07	1.5	BUD	28-Sep-94	<	1	U		1.6			140		<	0.5	U	<	0.1	U		19			7.9			18			30		<	0.05	U	<	5	U		20		<	0.5	U
832-07	5.3	BUD	28-Sep-94	<	1	U		1.5			89		<	0.5	U	<	0.1	U		13			8.1			17		<	10	U	<	0.05	U		15		<	10	U	<	0.5	U
832-07	10.3	BUD	28-Sep-94	<	1	U		1.6			84		<	0.5	U	<	0.1	U		12			7.2			14		<	10	U	<	0.05	U	<	5	U		12		<	0.5	U
832-07	10.3	DUP	28-Sep-94	<	5	LU		2	L		120	L		0.6	L	<	0.5	LU		24	L		11	L		21	L		7	L	<	0.1	LU	<	1	LU		25	L	<	5	LU
832-07	15.3	BUD	29-Sep-94	<	1	U		7.2			200		<	0.5	U	<	0.1	U		19			8.9			23		<	10	U	<	0.05	U	<	5	U		12		<	0.5	U
832-08	2.5	BUD	28-Nov-94	<	1	ULO		8.3	LO		71			0.66		<	0.1	U		23			8.8			32		<	10	U	<	0.05	U	<	5	U		19		<	0.5	ULO
832-08	5.5	BUD	28-Nov-94	<	1	ULO		1.3	LO		95			0.62		<	0.1	U		59			10			29		<	10	U	<	0.05	U	<	5	U		23		<	0.5	ULO
832-08	10.5	BUD	28-Nov-94	<	1	ULO		2.7	LO		150			0.73		<	0.1	U		25			15			22		<	10	U	<	0.05	U		27		<	10	U	<	0.5	ULO
832-08	15.5	BUD	28-Nov-94	<	1	ULO		0.87	LO		22			0.62		<	0.1	U		15			7.2			20		<	10	U	<	0.05	U	<	5	U		13		<	0.5	ULO
W-830-12	0.7	BUD	30-Aug-94	<	1	U		1.3			93		<	0.5	U	<	0.1	U		23			8.1			17			18		<	0.05	U	<	5	U		25		<	0.5	U
W-830-12	5.5	BUD	30-Aug-94	<	1	U		1.5			130		<	0.5	U	<	0.1	U		26			10			21			22		<	0.05	U	<	5	U		34		<	0.5	U
W-830-12	14.8	BUD	30-Aug-94	<	1	U		0.63			96		<	0.5	U	<	0.1	U		16			8			15			17		<	0.05	U	<	5	U		15		<	0.5	U
W-830-13	0	BUD	8-Nov-94	<	1	U		1.3			130		<	0.5	U	<	0.1	U		15			9.7			15			12		<	0.05	U	<	5	U		17		<	0.5	U
W-830-13	0	DUP	8-Nov-94	<	1	U		1.1			180			0.6		<	0.1	U		26			13			17			13		<	0.05	U	<	5	U		22		<	0.5	U
W-830-13	17.7	BUD	9-Nov-94	<	1	LOU		1.1	LO		37		<	0.5	U	<	0.1	U		8.3			6.2			8.3	O	<	10	U	<	0.05	U	<	5	U	<	10	U	<	0.5	LOU
W-830-13	20.3	BUD	9-Nov-94	<	1	LOU		1.1	LO		43		<	0.5	U	<	0.1	U		13			7.6			9.2	O	<	10	U	<	0.05	U	<	5	U	<	10	U	<	0.5	LOU
W-830-13	28	BUD	9-Nov-94	<	1	LOU		0.71	LO		46		<	0.5	U	<	0.1	U		14			7.1			8.4	O	<	10	U	<	0.05	U	<	5	U	<	10	U	<	0.5	LOU
W-830-13	32.4	BUD	9-Nov-94	<	1	LOU		0.8	LO		41		<	0.5	U	<	0.1	U		14			7.3			7.3	O	<	10	U	<	0.05	U	<	5	U	<	10	U	<	0.5	LOU
W-830-13	35.9	BUD	9-Nov-94	<	1	LOU		0.75	LO		45		<	0.5	U	<	0.1	U		20			6.1			9.1	O	<	10	U	<	0.05	U	<	5	U		11		<	0.5	LOU
W-830-13	42.7	BUD	10-Nov-94	<	1	ULO	<	2.5	DU		44		<	0.5	U	<	0.1	U		23			6.4			9.2		<	10	U	<	0.05	U	<	5	U		12		<	0.5	U
W-830-13	45.7	BUD	10-Nov-94	<	1	ULO	<	2.5	DU		52			0.56		<	0.1	U		11			7.3			13		<	10	U	<	0.05	U	<	5	U	<	10	U	<	0.5	U
W-830-13	51.7	BUD	10-Nov-94	<	1	ULO	<	2.5	DU		60		<	0.5	U	<	0.1	U		19			6.4			14		<	10	U		0.1		<	5	U		11		<	0.5	U
W-830-15	5.3	BUD	8-Dec-94	<	1	ULO		4.1	DLO		150			0.59		<	0.1	U		23			10			18		<	10	U	<	0.05	U	<	5	U		24		<	0.5	ULO
W-830-15	5.6	BUD	8-Dec-94	<	1	ULO	<	2.5	DULO		52		<	0.5	U	<	0.1	U		7.9			7.2			11		<	10	U	<	0.05	U	<	5	U	<	10	U	<	0.5	ULO
W-830-15	5.9	BUD	8-Dec-94	<	1	ULO		2.8	DLO		98		<	0.5	U	<	0.1	U		14			8.5			16		<	10	U	<	0.05	U	<	5	U		16		<	0.5	ULO
W-830-16	0	BUD	3-Oct-95	<	1	U		0.61			190			0.69		<	1	U		7.4		<	5	U	<	5	U		25		<	0.05	U	<	5	U		14		<	0.5	U
W-830-16	4	BUD	3-Oct-95	<	1	U		1			120			0.78		<	1	U		15		<	5	U		7			42		<	0.05	U	<	5	U		16		<	0.5	U
W-830-18	19.3	BUD	3-Apr-96	<	1	ULO		3.9	LO		41		<	0.5	U	<	1	UO		19	O	<	5	UO		42	O		17		<	0.05	U	<	2.5	UL		20	O	<	0.4	ULO
W-830-20	0	BUD	13-Jun-96	<	1	ULO	<	5	DU		180		<	0.5	U	<	0.1	U		47			14			39			12		<	0.05	U	<	2.5	U		31			1	LO
W-830-20	9	BUD	13-Jun-96	<	1	ULO	<	5	DU		61		<	0.5	U	<	0.1	U		14			10			20		<	10	U	<	0.05	U	<	2.5	U		14		<	0.4	ULO
W-830-25	0	BUD	6-Aug-96	<	1	LOU		3.2			240			0.55		<	1	LOU		61			18			37			31	LO	<	0.05	U	<	5	U		45		<	2.5	LOU
W-830-25	6.6	BUD	6-Aug-96	<	1	LOU		2.8			150			0.61		<	1	LOU		25			8.6			15		<	10	LOU	<	0.05	U	<	5	U		27		<	2.5	LOU
W-830-25	12.3	BUD	6-Aug-96	<	1	LUO		1.1	L		130		<	0.5	U	<	1	U		69	LO		10			48			11		<	0.05	U	<	5	U		35		<	2.5	LU
W-832-01	0.3	BUD	17-Aug-94	<	1	U		2.8			140			0.58		<	0.1	U		18			10			25		<	10	U	<	0.05	U	<	5	U		20		<	0.5	U
W-832-01	1	BUD	17-Aug-94	<	1	U		3.4			180			0.66		<	0.1	U		34			11			29		<	10	U	<	0.05	U	<	5	U		22		<	0.5	U
W-832-01	5.3	BUD	18-Aug-94	<	1	U		1.8			130		<	0.5	U	<	0.1	U		21			11			19			15		<	0.05	HU	<	5	U		17		<	0.5	U
W-832-01	10	BUD	18-Aug-94	<	1	U		3.8	D		150		<	0.5	U	<	0.1	U		28			11			25			17		<	0.05	HU	<	5	U		22		<	0.5	U
W-832-01	15.5	BUD	18-Aug-94	<	1	U		2.1			120		<	0.5	U	<	0.1	U		23			9.4			18			15		<	0.05	HU		5.3			18		<	0.5	U
W-832-05	5	BUD	10-Oct-94	<	1	U		2			140			0.65			0.11			33			11			24		<	10	U	<	0.05	U	<	5	U		32		<	0.5	U
W-832-05	10.3	BUD	10-Oct-94	<	1	U		1.9			150			0.64			0.11			31			11			21		<	10	U	<	0.05	U	<	5	U		27		<	0.5	U
W-832-05	15.3	BUD	10-Oct-94	<	1	U		2.1			130			0.54		<	0.1	U		25			10			20		<	10	U	<	0.05	U	<	5	U		23		<	0.5	U
W-832-06	1.5	BUD	21-Nov-94	<	1	ULO		3.4	D		200			0.62		<	0.1	U		29			12			20		<	10	U	<	0.05	U	<	5	U		22		<	0.5	U
W-832-06	5.5	BUD	21-Nov-94	<	1	ULO		18	D		150			0.96		<	0.1	U		46			24			32			12		<	0.05	U	<	5	U		48		<	0.5	U
W-832-06	10	BUD	21-Nov-94	<	1	ULO		4.3	D		140			1			0.36			26			9.2			39		<	10	U		0.15		<	5	U		19		<	0.5	U
W-880-01	0.5	BUD	25-Oct-95	<	1	U		6.1			150			0.62		<	0.05	U		22			9.4			16		<	10	U	<	0.05	U	<	5	U		20		<	0.5	U

Table A-18. Total metal in soil and rock (mg/kg), Bu

				Silver mg/kg			Thallium mg/kg		Vanadium mg/kg		Zinc mg/kg	
LOCATION	DEPTH	TYPE	SAMPLED	RESULT	FLAG		RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
830-23	2.5	BUD	30-Nov-94	< 2.5	U	<	1	LOU	71		44	
830-23	2.5	BUD	30-Nov-94									
830-23	7	BUD	30-Nov-94	< 2.5	U	<	1	LOU	110		75	
830-23	7	BUD	30-Nov-94						66			
830-23	11.4	BUD	30-Nov-94	< 2.5	U	<	1	LOU	82		50	
830-23	15	BUD	30-Nov-94	< 2.5	U	<	1	LOU	130		69	
830-23	15	BUD	30-Nov-94						110			
830-24	2.3	BUD	5-Dec-94	< 2.5	U	<	1	LOU	36		41	
830-24	5	BUD	5-Dec-94	< 2.5	U	<	1	LOU	86		50	
830-24	11.8	BUD	5-Dec-94	< 2.5	U	<	1	LOU	97		60	
830-24	15	BUD	5-Dec-94	< 2.5	U	<	1	LOU	81		68	
832-02	1.3	BUD	26-Sep-94	< 2.5	U	<	1	U	40		28	
832-02	5.3	BUD	26-Sep-94	< 2.5	U	<	1	U	110		65	
832-02	10.3	BUD	26-Sep-94	< 2.5	U	<	1	U	130		66	
832-02	15.3	BUD	27-Sep-94	< 2.5	U	<	1	U	99		65	
832-02	15.3	DUP	27-Sep-94	< 1	U	<	5	U	110		82	
832-03	1	BUD	4-Oct-94	< 2.5	U	<	1	U	32		30	
832-03	5.3	BUD	4-Oct-94	< 2.5	U	<	1	U	53		32	
832-03	10.3	BUD	4-Oct-94	< 2.5	U	<	1	U	54		37	
832-04	1.3	BUD	6-Oct-94	< 2.5	U	<	1	U	32		24	
832-04	5.3	BUD	6-Oct-94	< 2.5	UL	<	1	U	80		48	
832-04	10.3	BUD	6-Oct-94	< 2.5	U	<	1	U	54		36	
832-04	10.3	DUP	6-Oct-94	< 1	U	<	5	U	61		44	
832-04	15.3	BUD	6-Oct-94	< 2.5	U	<	1	U	49		34	
832-07	1.5	BUD	28-Sep-94	< 2.5	U	<	1	U	45		38	
832-07	5.3	BUD	28-Sep-94	< 2.5	U	<	1	U	45		36	
832-07	10.3	BUD	28-Sep-94	< 2.5	U	<	1	U	45		31	
832-07	10.3	DUP	28-Sep-94	< 1	LU	<	5	LU	68	L	48	L
832-07	15.3	BUD	29-Sep-94	< 2.5	U	<	1	U	55		47	
832-08	2.5	BUD	28-Nov-94	< 2.5	ULO	<	1	ULO	46		44	
832-08	5.5	BUD	28-Nov-94	< 2.5	ULO	<	1	ULO	94		64	
832-08	10.5	BUD	28-Nov-94	< 2.5	ULO	<	1	ULO	67		42	
832-08	15.5	BUD	28-Nov-94	< 2.5	ULO	<	1	ULO	65		50	
W-830-12	0.7	BUD	30-Aug-94	< 2.5	U	<	1	U	43		37	
W-830-12	5.5	BUD	30-Aug-94	< 2.5	U	<	1	U	43		39	
W-830-12	14.8	BUD	30-Aug-94	< 2.5	U	<	1	U	60		39	
W-830-13	0	BUD	8-Nov-94	< 2.5	U	<	1	U	48		51	
W-830-13	0	DUP	8-Nov-94	< 2.5	U	<	1	U	77		64	
W-830-13	17.7	BUD	9-Nov-94	< 2.5	LOU	<	1	U	68		29	
W-830-13	20.3	BUD	9-Nov-94	< 2.5	LOU	<	1	U	88		35	
W-830-13	28	BUD	9-Nov-94	< 2.5	LOU	<	1	U	80		33	
W-830-13	32.4	BUD	9-Nov-94	< 2.5	LOU	<	1	U	89		35	
W-830-13	35.9	BUD	9-Nov-94	< 2.5	LOU	<	1	U	63		28	
W-830-13	42.7	BUD	10-Nov-94	< 2.5	ULO	<	1	U	86		37	
W-830-13	45.7	BUD	10-Nov-94	< 2.5	ULO	<	1	U	95		35	
W-830-13	51.7	BUD	10-Nov-94	< 2.5	ULO	<	1	U	81		55	
W-830-15	5.3	BUD	8-Dec-94	< 2.5	U	<	1	U	51		43	
W-830-15	5.6	BUD	8-Dec-94	< 2.5	U	<	1	U	40		36	
W-830-15	5.9	BUD	8-Dec-94	< 2.5	U	<	1	U	45		39	
W-830-16	0	BUD	3-Oct-95	< 2.5	U	<	1	U	48		34	
W-830-16	4	BUD	3-Oct-95	< 2.5	U	<	1	U	43		34	
W-830-18	19.3	BUD	3-Apr-96	< 2.5	U	<	0.5	U	56	O	60	
W-830-20	0	BUD	13-Jun-96	< 2.5	U	<	0.5	U	110		67	
W-830-20	9	BUD	13-Jun-96	< 2.5	U	<	0.5	U	69		51	
W-830-25	0	BUD	6-Aug-96	< 2.5	U	<	25	U	110		73	
W-830-25	6.6	BUD	6-Aug-96	< 2.5	U	<	25	U	39		36	
W-830-25	12.3	BUD	6-Aug-96	< 2.5	U	<	25	U	86		50	
W-832-01	0.3	BUD	17-Aug-94	< 2.5	U	<	1	U	56		41	
W-832-01	1	BUD	17-Aug-94	< 2.5	U	<	1	U	92		50	
W-832-01	5.3	BUD	18-Aug-94	< 2.5	U	<	1	U	70		43	
W-832-01	10	BUD	18-Aug-94	< 2.5	U	<	1	U	79		47	
W-832-01	15.5	BUD	18-Aug-94	< 2.5	U	<	1	U	87		43	
W-832-05	5	BUD	10-Oct-94	< 2.5	U	<	1	U	68		48	
W-832-05	10.3	BUD	10-Oct-94	< 2.5	U	<	1	U	74		48	
W-832-05	15.3	BUD	10-Oct-94	< 2.5	U	<	1	U	69		44	
W-832-06	1.5	BUD	21-Nov-94	< 2.5	ULO	<	1	U	87		48	
W-832-06	5.5	BUD	21-Nov-94	< 2.5	ULO	<	1	U	93		50	
W-832-06	10	BUD	21-Nov-94	< 2.5	ULO	<	1	U	81		45	
W-880-01	0.5	BUD	25-Oct-95	< 2.5	U	<	1	U	63		70	

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-35B-01	RTN	19-Nov-97	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-35B-01	RTN	22-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	24-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	3-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	19-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	14-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	27-Aug-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	10-Dec-99									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-35B-01	RTN	4-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	31-May-00									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-35B-01	RTN	25-Jul-00									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-35B-01	RTN	26-Oct-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	23-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	14-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	19-Jul-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	25-Oct-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	23-Jan-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	20-May-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-35B-01	RTN	20-Aug-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	26-Nov-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	23-Apr-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	15-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	10-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	23-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	20-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	12-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	25-Oct-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35B-01	RTN	25-Oct-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35C-06	DUP	8-Jan-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-35C-06	RTN	8-Jan-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-35C-06	RTN	13-May-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-35C-06	RTN	8-Aug-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-35C-06	RTN	29-Oct-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-35C-06	RTN	11-May-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-35C-06	RTN	3-Nov-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-35C-06	RTN	7-Jun-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35C-06	RTN	5-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35C-06	RTN	5-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-35C-06	RTN	29-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	10-Mar-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-4C	RTN	16-Jun-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-4C	DUP	16-Jun-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-4C	RTN	28-Jul-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-4C	RTN	7-Dec-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-4C	RTN	22-Feb-93									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-4C	RTN	3-Jun-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	16-Feb-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	24-Mar-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	7-May-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	16-Apr-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-4C	RTN	11-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	22-Feb-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	30-May-00	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-4C	RTN	23-Apr-01									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-4C	RTN	25-Oct-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	24-Jan-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	5-Jun-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-4C	RTN	20-Aug-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	28-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	5-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	5-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-4C	RTN	2-Aug-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	5-Feb-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	12-Feb-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	19-Mar-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	23-Jun-87	< 1	P	< 1	P	< 1	P									< 1	P
W-6BS	RTN	23-Jun-87									< 1	P	< 1	P	< 1	P		
W-6BS	RTN	24-Sep-87	< 1	P	< 1	P	< 1	P									< 1	P
W-6BS	RTN	8-Dec-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	10-Mar-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	10-Mar-88	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	HYI	26-Apr-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	HYI	26-Apr-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	27-Jun-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	27-Jun-88	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	3-Nov-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	3-Feb-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	19-Apr-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	10-Jul-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	16-Oct-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	22-Feb-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	10-May-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	9-Aug-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	2-Nov-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	28-Feb-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	17-May-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	10-Sep-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	24-Oct-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	20-May-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	4-Nov-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6BS	RTN	9-Jun-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	27-Jul-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	10-Feb-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	26-Apr-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	DUP	26-Apr-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	20-Dec-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	28-Mar-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	18-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	20-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	13-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	30-Apr-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-6BS	RTN	26-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	DUP	26-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	RTN	21-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU
W-6BS	DUP	21-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU
W-6BS	RTN	23-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6BS	DUP	17-Aug-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	25-Jul-88	< 1	P	< 1	P	< 1	P	< 1	P							< 1	P
W-6ES	RTN	4-Nov-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	2-Feb-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	4-Apr-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	12-Jul-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	12-Oct-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	20-Feb-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	8-May-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	7-Aug-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	2-Nov-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	8-Feb-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	13-May-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	7-Aug-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	29-Oct-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	11-May-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	3-Nov-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-6ES	RTN	23-Feb-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	24-Mar-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	6-May-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	8-May-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	13-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	14-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	20-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	24-Apr-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	5-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-6ES	RTN	21-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU
W-6ES	RTN	5-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	3-May-94	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	6-Dec-94	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	8-May-96	< 1	U	< 1	UO	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	22-May-96	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	8-May-97	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	21-May-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	14-Jun-99	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	13-Jun-00	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	OU
W-814-04	RTN	19-Jun-01	< 1	HU	< 1	HU	< 1	HU	< 1	HU	< 1	HU	< 1	HU	< 1	HU	< 1	HU
W-814-04	RTN	28-Nov-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	29-Jan-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	24-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	27-Sep-02									< 1	U	< 1	U	< 1	U	< 1	U
W-814-04	RTN	23-Nov-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	17-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	23-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-814-04	RTN	24-Aug-04									< 0.5	UIJ	< 0.5	UIJ	< 0.5	UIJ	< 0.5	UIJO
W-830-04A	RTN	26-Nov-85									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-04A	RTN	10-Feb-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	25-Jun-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	20-Aug-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	23-Sep-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	21-Nov-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	18-Mar-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	29-Jun-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	21-Sep-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	10-Dec-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	8-Mar-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	30-Jun-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	18-Oct-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	1-Feb-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	13-Apr-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	18-Jul-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	12-Oct-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	17-Jan-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	29-May-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	22-Aug-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	26-Nov-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	26-Nov-90									< 4	P	< 2	P	< 4	P	< 0.7	P
W-830-04A	RTN	5-Mar-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	DUP	5-Mar-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	17-May-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	5-Sep-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	5-Dec-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	23-Jun-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	26-Oct-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-04A	RTN	10-Feb-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	27-Apr-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	19-Aug-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	13-Dec-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	DUP	16-Dec-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	15-Mar-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	12-May-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	10-Aug-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	16-Dec-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	21-Feb-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	12-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	21-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	30-Nov-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	25-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	12-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	23-Aug-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	11-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	25-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	13-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	20-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	14-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	20-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	29-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-04A	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	23-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	23-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	27-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	15-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	2-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	3-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	DUP	6-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	6-Jun-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-04A	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	20-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	DUP	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	RTN	21-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-04A	DUP	21-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	16-Oct-85									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	26-Nov-85									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	10-Feb-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	30-Jun-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	23-Sep-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	23-Dec-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	19-Mar-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	19-Mar-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	22-Jun-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	22-Sep-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	9-Dec-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	10-Mar-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	28-Jun-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	18-Oct-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	2-Feb-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	14-Apr-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	18-Jul-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	10-Oct-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	18-Jan-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	1-Jun-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	22-Aug-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	27-Nov-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	6-Mar-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	22-May-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	6-Sep-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	18-Dec-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	24-Jun-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	26-Oct-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	11-Feb-93									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-05	RTN	11-Feb-93									< 4	P	< 2	P	< 4	P	< 0.7	P
W-830-05	RTN	27-Apr-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	29-Sep-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	DUP	29-Sep-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	13-Dec-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-05	RTN	7-Mar-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	20-Jun-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	DUP	20-Jun-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	16-Dec-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	23-Feb-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	11-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	19-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	1-Dec-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	22-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	10-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	23-Aug-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	16-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	21-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	16-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	19-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	14-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	19-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	22-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	28-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	DUP	28-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	23-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	16-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	15-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	28-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	3-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	6-Jun-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-05	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	30-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-05	RTN	20-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-07	RTN	1-Feb-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	5-Feb-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	10-Feb-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	27-Jun-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	20-Aug-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	23-Sep-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	18-Mar-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	29-Jun-87	< 1	P	< 1	P	< 1	P									< 1	P
W-830-09	RTN	29-Jun-87									< 1	P	< 1	P	< 1	P		
W-830-09	RTN	22-Sep-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	11-Dec-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	9-Mar-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	9-Mar-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	17-Oct-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	2-Feb-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	17-Apr-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	19-Jul-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	12-Oct-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-09	DUP	18-Jan-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	18-Jan-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	1-Jun-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	24-Aug-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	27-Nov-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	6-Mar-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	22-May-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	6-Sep-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	6-Dec-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	25-Jun-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	26-Oct-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	16-Feb-93									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-09	RTN	27-Apr-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	19-Aug-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	17-Dec-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	11-Mar-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	8-Jun-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	15-Jul-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	15-Jul-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	16-Dec-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	DUP	8-Mar-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	8-Mar-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	16-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	27-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	1-Dec-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	5-Feb-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	14-May-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	24-Sep-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	13-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	27-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	20-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	19-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	24-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	19-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	15-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	18-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	15-Dec-98									< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU
W-830-09	RTN	17-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	2-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	15-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	14-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	28-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	28-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-09	RTN	26-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-10	RTN	18-Mar-92	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-10	RTN	24-Jun-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-10	DUP	26-Oct-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-10	RTN	26-Oct-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-10	RTN	16-Feb-93									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-10	RTN	27-Apr-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

			Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L			1,3 Dichloro-benzene ug/L			1,4 Dichloro-benzene ug/L			Chloro-benzene ug/L	
LOCATION	SAMPLE_TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG		RESULT	FLAG
W-830-10	RTN	19-Aug-93									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	13-Dec-93									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	7-Mar-94									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	12-May-94									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	10-Aug-94									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	21-Dec-94									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	16-Mar-95									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	12-May-95									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	21-Jul-95									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	6-Dec-95									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	26-Jan-96									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	15-May-96									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	28-Aug-96									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	DUP	11-Dec-96									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	11-Dec-96									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	26-Feb-97									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	17-Jun-97									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	DUP	17-Jun-97									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	26-Aug-97									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	14-Nov-97									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	DUP	14-Nov-97									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	24-Feb-98									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	19-Jun-98									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	29-Sep-98									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	HYI	9-Nov-98									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	HYI	9-Nov-98									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	23-Dec-98									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	11-Mar-99									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	29-Jun-99									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	27-Sep-99									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	15-Dec-99									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	3-Feb-00									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	23-Jun-00									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	28-Jul-00									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	17-Nov-00									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	30-Jan-01									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	17-May-01									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	19-Sep-01									<	4	DU	<	4	DU	<	4	DU	<	4	DU
W-830-10	RTN	26-Dec-01									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	DUP	31-Jan-02									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	31-Jan-02									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	SLI	6-Jun-02									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	SLI	6-Jun-02									<	2.5	LODU	<	2.5	LODU	<	2.5	LODU	<	2.5	LODU
W-830-10	RTN	12-Aug-02									<	2.5	ODU	<	2.5	ODU	<	2.5	ODU	<	2.5	ODU
W-830-10	DUP	23-Dec-02									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	23-Dec-02									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	14-Mar-03									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	DUP	14-Mar-03									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
W-830-10	RTN	25-Aug-03									<	1	DU	<	1	DU	<	1	DU	<	1	DU
W-830-10	RTN	10-Feb-04									<	1	DU	<	1	DU	<	1	DU	<	1	DU
W-830-10	RTN	27-Jul-04									<	1	DU	<	1	DU	<	1	DU	<	1	DU

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-10	DUP	27-Jul-04									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-11	RTN	25-Jun-92	< 0.5	P	4.8	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-11	RTN	25-Jun-92	< 0.5	P	4.2	P	< 0.5	P			< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-11	RTN	26-Oct-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-11	RTN	16-Feb-93									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-830-11	RTN	27-Apr-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	19-Aug-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	13-Dec-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	7-Mar-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	11-Aug-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	16-Dec-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	DUP	16-Dec-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	22-Feb-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	12-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	21-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	30-Nov-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	26-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	26-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	12-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	12-Jun-96	< 0.3	U	< 0.3	U	< 0.3	U	< 0.5	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-11	RTN	28-Aug-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	11-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	11-Dec-96	< 0.3	U	< 0.3	U	< 0.3	U	< 0.5	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-11	RTN	25-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	DUP	25-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	17-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	17-Jun-97	< 0.3	U	< 0.3	U	< 0.3	U	< 0.5	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-11	DUP	17-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	DUP	17-Jun-97	< 0.3	U	< 0.3	U	< 0.3	U	< 0.5	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-11	RTN	20-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	14-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	14-Nov-97	< 0.3	U	< 0.3	U	< 0.3	U	< 0.5	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-11	DUP	19-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	19-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	28-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	28-May-98	< 0.3	U	< 0.3	U	< 0.3	U	< 0.5	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-11	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	23-Dec-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	23-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	29-Jun-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	16-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	15-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	DUP	15-Dec-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	28-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	28-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	17-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	DUP	30-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	30-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	17-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-11	RTN	19-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	18-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	31-Jan-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	6-Jun-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-11	RTN	19-Aug-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	23-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	30-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	DUP	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-11	RTN	20-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	21-Dec-94	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-12	RTN	8-Mar-95	< 1	ULO	< 1	ULO	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	ULO
W-830-12	RTN	16-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	27-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	8-Dec-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	5-Feb-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	19-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	24-Sep-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	13-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	27-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	20-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	19-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	24-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	18-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	15-Dec-98									< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU
W-830-12	DUP	24-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	28-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	17-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	2-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	15-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	14-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	28-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	9-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-12	RTN	27-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	16-Mar-95	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-13	RTN	12-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	24-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	20-Dec-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	26-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	12-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	11-Sep-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	11-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	DUP	26-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	26-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	19-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	26-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	10-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	27-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-13	RTN	22-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	DUP	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	8-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	25-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	DUP	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	29-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	DUP	29-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	15-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	28-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	DUP	28-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	23-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	15-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	17-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	31-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	17-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	DUP	17-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	25-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	18-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	12-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-13	SLI	20-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	SLI	20-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	30-Sep-02									< 0.5	U	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-830-13	RTN	23-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	21-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU
W-830-13	RTN	20-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-13	RTN	27-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	16-Mar-95	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-14	RTN	18-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	DUP	18-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	24-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	6-Dec-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	6-Dec-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	26-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	12-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	DUP	12-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	DUP	11-Sep-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	11-Sep-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	16-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	28-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	18-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	8-Sep-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	10-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	27-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	19-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	23-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	11-Mar-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-14	RTN	23-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	15-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	3-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	28-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	17-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	30-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	17-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	19-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	26-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	12-Mar-02									< 0.5	LU	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	DUP	12-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-14	RTN	20-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	12-Aug-02									< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-830-14	DUP	12-Aug-02									< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-830-14	RTN	23-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	DUP	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	20-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU
W-830-14	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	DUP	20-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-14	RTN	20-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	16-Mar-95	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-15	RTN	16-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	21-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	1-Dec-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	1-Dec-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	22-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	10-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	23-Aug-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	16-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	27-Mar-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	16-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	19-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	12-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	19-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	22-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	22-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	23-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	15-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	3-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	14-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	20-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	LU
W-830-15	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-15	RTN	20-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	25-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	11-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	22-Aug-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	16-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	20-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-16	RTN	16-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	8-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	17-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	26-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	22-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	22-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	23-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	29-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	17-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	3-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	15-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	14-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	19-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	30-Apr-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	10-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	6-Nov-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	DUP	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	22-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	DUP	22-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	21-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	RTN	18-Nov-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-16	DUP	18-Nov-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	25-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	11-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	22-Aug-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	16-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	20-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	16-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	8-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	17-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	26-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	22-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	22-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	23-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	29-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	17-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	28-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	22-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	18-Jun-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-17	RTN	25-Mar-03									< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-830-17	RTN	10-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-17	RTN	27-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	28-Jun-96	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-18	RTN	23-Aug-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	23-Aug-96	< 0.3	U	< 0.3	U	< 0.3	U	< 0.5	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-18	RTN	13-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	13-Dec-96	< 0.3	U	< 0.3	U	< 0.3	U	< 0.5	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-18	RTN	25-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	17-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	26-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	DUP	26-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	25-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	DUP	10-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	10-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	29-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	25-Nov-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	11-Mar-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	DUP	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	28-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	17-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	DUP	17-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	2-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	28-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	DUP	17-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	17-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	26-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	22-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	24-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	DUP	24-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	26-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	31-Jan-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	6-Jun-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-18	RTN	24-Sep-02									< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-830-18	RTN	23-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	28-Jan-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	DUP	28-Jan-03									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-18	RTN	14-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	DUP	14-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-18	RTN	21-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-19	RTN	28-Jun-96	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-19	RTN	24-Sep-96									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-19	RTN	24-Sep-96	< 15	DU	< 15	DU	< 15	DU	< 25	DU	< 15	DU	< 15	DU	< 15	DU	< 15	DU
W-830-19	DUP	13-Dec-96									< 300	DU	< 300	DU	< 300	DU	< 300	DU
W-830-19	DUP	13-Dec-96	< 300	DU	< 300	DU	< 300	DU	< 500	DU	< 300	DU	< 300	DU	< 300	DU	< 300	DU
W-830-19	RTN	13-Dec-96									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-19	RTN	13-Dec-96	< 15	DU	< 15	DU	< 15	DU	< 25	DU	< 15	DU	< 15	DU	< 15	DU	< 15	DU
W-830-19	RTN	6-Mar-97									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-19	RTN	6-Mar-97	< 30	DU	< 30	DU	< 30	DU	< 50	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-19	RTN	25-Jun-97									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-19	RTN	25-Jun-97	< 30	DU	< 30	DU	< 30	DU	< 50	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-19	RTN	9-Sep-97									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-19	RTN	9-Sep-97	< 15	DU	< 15	DU	< 15	DU	< 25	DU	< 15	DU	< 15	DU	< 15	DU	< 15	DU
W-830-19	RTN	26-Nov-97									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-19	RTN	26-Nov-97	< 15	DU	< 15	DU	< 15	DU	< 25	DU	< 15	DU	< 15	DU	< 15	DU	< 15	DU
W-830-19	RTN	24-Feb-98									< 13	DU	< 13	DU	< 13	DU	< 13	DU
W-830-19	RTN	24-Feb-98	< 7.5	DU	< 7.5	DU	< 7.5	DU	< 13	DU	< 7.5	DU	< 7.5	DU	< 7.5	DU	< 7.5	DU
W-830-19	RTN	28-May-98									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-19	RTN	28-May-98	< 30	DU	< 30	DU	< 30	DU	< 50	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-19	RTN	18-Aug-98	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-19	RTN	25-Nov-98	< 30	DU	< 30	DU	< 30	DU	< 50	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-19	RTN	25-Feb-99									< 30	DU					< 30	DU
W-830-19	RTN	25-Feb-99	< 30	DU	< 30	DU	< 30	DU	< 50	DU			< 30	DU	< 30	DU		
W-830-19	RTN	30-Jun-99									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-19	RTN	30-Jun-99	< 50	DU	< 50	DU	< 50	DU	< 100	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-19	RTN	21-Sep-99	< 20	DU	< 20	DU	< 20	DU	< 30	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-19	RTN	17-Dec-99	< 30	DU	< 30	DU	< 30	DU	< 50	DU	< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-19	RTN	31-Jan-00	< 20	DU	< 20	DU	< 20	DU	< 40	DU	< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-19	RTN	20-Jun-00									< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-19	RTN	14-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-19	RTN	21-Nov-00									< 300	DU	< 300	DU	< 300	DU	< 300	DU
W-830-19	RTN	29-Jan-01									< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-19	RTN	22-May-01									< 170	DU	< 170	DU	< 170	DU	< 170	DU
W-830-19	RTN	19-Sep-01									< 500	DU	< 500	DU	< 500	DU	< 500	DU
W-830-19	RTN	13-Dec-01									< 310	DU	< 310	DU	< 310	DU	< 310	DU
W-830-19	RTN	15-Mar-02									< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-19	RTN	11-Jun-02									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-19	RTN	23-Aug-02									< 250	DU	< 250	LODU	< 250	DU	< 250	DU
W-830-19	RTN	26-Dec-02									< 100	DU	< 100	DU	< 100	DU	< 100	DU
W-830-19	DUP	19-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-19	RTN	19-Mar-03									< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-19	RTN	8-Oct-03									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-19	RTN	13-Jan-04									< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-19	RTN	7-Apr-04									< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-19	RTN	14-Jul-04									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-19	RTN	6-Oct-04									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-20	RTN	24-Sep-96	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-20	RTN	18-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	28-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	19-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	8-Sep-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	12-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	19-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	22-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	22-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	23-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	DUP	23-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	28-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	15-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	3-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-20	RTN	23-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	22-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	6-Jun-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-20	RTN	23-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	24-Apr-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	8-Sep-03									< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-830-20	RTN	11-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	28-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	22-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	20-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-20	RTN	25-Oct-04									< 0.5	UO	< 0.5	UO	< 0.5	UO	< 0.5	UO
W-830-21	RTN	19-Sep-96	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-21	RTN	11-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	DUP	25-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	25-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	DUP	18-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	18-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	20-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	26-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	19-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	28-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	25-Nov-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	25-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	16-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	17-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	28-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	DUP	28-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	28-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	DUP	28-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	17-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	30-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	22-May-01									< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU
W-830-21	RTN	19-Sep-01									< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU
W-830-21	DUP	18-Dec-01									< 1.4	DU	< 1.4	DU	< 1.4	DU	< 1.4	DU
W-830-21	RTN	18-Dec-01									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-21	RTN	31-Jan-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	SLI	6-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	SLI	6-Jun-02									< 1	LODU	< 1	LODU	< 1	LODU	< 1	LODU
W-830-21	RTN	12-Aug-02									< 1	ODU	< 1	ODU	< 1	ODU	< 1	ODU
W-830-21	DUP	23-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	23-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	14-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-21	RTN	10-Feb-04									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-21	RTN	21-Jul-04									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-21	DUP	21-Jul-04									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-22	RTN	20-Sep-96	< 1	UO	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-22	RTN	12-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	6-Mar-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	25-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	9-Sep-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	26-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	25-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	28-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	18-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	25-Nov-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	17-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	31-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	20-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	10-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	16-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	29-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	18-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	DUP	18-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	19-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU
W-830-22	RTN	30-Nov-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	15-Mar-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	11-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	23-Aug-02									< 0.5	U	< 0.5	LOU	< 0.5	U	< 0.5	U
W-830-22	RTN	26-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	19-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	8-Sep-03									< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-830-22	RTN	28-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	DUP	27-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-22	RTN	27-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-25	RTN	12-Mar-97									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-25	RTN	26-Jun-97									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-25	RTN	28-Aug-97									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-25	RTN	24-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-25	RTN	10-Jun-98									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-25	RTN	19-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-25	DUP	19-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-25	RTN	25-Nov-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-25	RTN	24-Feb-99									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-25	RTN	30-Jun-99									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-830-25	RTN	14-Sep-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-25	RTN	28-Nov-00									< 70	DU	< 70	DU	< 70	DU	< 70	DU
W-830-25	RTN	26-Feb-01									< 7	DU	< 7	DU	< 7	DU	< 7	DU
W-830-25	RTN	30-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-25	RTN	20-Sep-01									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-25	RTN	21-Dec-01									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-25	RTN	14-Mar-02									< 20	LODU	< 20	LODU	< 20	LODU	< 20	LODU
W-830-25	RTN	11-Jun-02									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-25	RTN	12-Aug-02									< 10	ODU	< 10	ODU	< 10	ODU	< 10	ODU
W-830-25	RTN	30-Dec-02									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-25	RTN	24-Mar-03									< 50	DU	< 50	UDO	< 50	DU	< 50	DU
W-830-25	RTN	27-Aug-03									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-25	RTN	9-Feb-04									< 25	DU	< 25	DU	< 25	DU	< 25	DU

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-25	RTN	28-Jul-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-26	RTN	20-Sep-96	< 1	UO	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-26	RTN	13-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	DUP	13-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	11-Mar-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	25-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	9-Sep-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	DUP	10-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	10-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	17-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	15-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	19-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	25-Nov-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	24-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	30-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	17-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	2-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	DUP	2-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	20-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	DUP	20-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	10-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	DUP	16-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	16-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	29-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	18-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	20-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	30-Nov-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	14-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-26	RTN	17-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	23-Aug-02									< 0.5	U	< 0.5	LOU	< 0.5	U	< 0.5	U
W-830-26	RTN	19-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	28-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	DUP	29-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	29-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-26	RTN	27-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	19-Sep-96	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-27	RTN	12-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	12-Mar-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	26-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	28-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	10-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	24-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	10-Jun-98									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-27	RTN	19-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	25-Nov-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	DUP	24-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	24-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	21-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	17-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-27	RTN	31-Jan-00									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-27	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	28-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	28-Nov-00									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-27	RTN	26-Feb-01									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-27	RTN	31-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-27	RTN	20-Sep-01									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-27	RTN	19-Dec-01									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-27	RTN	14-Mar-02									< 25	LODU	< 25	LODU	< 25	LODU	< 25	LODU
W-830-27	RTN	11-Jun-02									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-27	RTN	26-Sep-02									< 25	UDO	< 25	UDO	< 25	DU	< 25	UDO
W-830-27	RTN	30-Dec-02									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-27	RTN	24-Mar-03									< 100	DU	< 100	UDO	< 100	DU	< 100	DU
W-830-27	RTN	2-Sep-03									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-27	RTN	9-Feb-04									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-27	RTN	28-Jul-04									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-28	RTN	23-Sep-96	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-28	RTN	12-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	12-Mar-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	25-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	28-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	10-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	25-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	10-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	19-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	25-Nov-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	24-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	30-Jun-99									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-830-28	RTN	20-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	DUP	20-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	20-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	31-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	DUP	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	28-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	28-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	26-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	24-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	DUP	24-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	20-Sep-01									< 1.2	DU	< 1.2	DU	< 1.2	DU	< 1.2	DU
W-830-28	RTN	19-Dec-01									< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU
W-830-28	RTN	14-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-28	RTN	11-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	26-Sep-02									< 1	UDO	< 1	UDO	< 1	DU	< 1	UDO
W-830-28	DUP	30-Dec-02									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-28	RTN	30-Dec-02									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-28	RTN	24-Mar-03									< 1	UDO	< 1	UDO	< 1	UDO	< 1	UDO
W-830-28	RTN	2-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-28	RTN	9-Feb-04									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-830-28	RTN	28-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	17-Mar-97	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-29	RTN	25-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	DUP	9-Sep-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	9-Sep-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	24-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	19-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	15-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	18-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	15-Dec-98									< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU
W-830-29	RTN	24-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	3-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	20-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	18-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	DUP	17-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	17-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	19-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	28-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	29-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-29	RTN	27-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-30	RTN	11-Mar-97	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-30	RTN	25-Jun-97									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-30	RTN	28-Aug-97									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	26-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-30	RTN	25-Feb-98									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	28-May-98									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-30	RTN	18-Aug-98									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	25-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-30	RTN	30-Jun-99									< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-30	RTN	21-Sep-99									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	DUP	21-Sep-99									< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-30	RTN	20-Dec-99									< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-30	RTN	20-Dec-99									< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-30	RTN	1-Feb-00									< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-30	RTN	20-Jun-00									< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-30	RTN	14-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-30	RTN	20-Nov-00									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-30	RTN	29-Jan-01									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	23-May-01									< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-30	RTN	19-Sep-01									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-30	RTN	30-Nov-01									< 100	DU	< 100	DU	< 100	DU	< 100	OUD
W-830-30	RTN	15-Mar-02									< 83	DU	< 83	DU	< 83	DU	< 83	DU
W-830-30	DUP	11-Jun-02									< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-30	RTN	11-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-30	RTN	13-Aug-02									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-30	RTN	27-Dec-02									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	25-Aug-03									< 100	DU	< 100	DU	< 100	DU	< 100	DU
W-830-30	RTN	29-Jan-04									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	17-Feb-04									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-30	RTN	27-Jul-04									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-34	RTN	11-Mar-97	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-34	RTN	25-Jun-97									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	28-Aug-97									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	26-Nov-97									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	10-Mar-98									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	28-May-98									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-34	RTN	18-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-34	RTN	8-Dec-98									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	DUP	25-Feb-99									< 7	DU	< 7	DU	< 7	DU	< 7	DU
W-830-34	RTN	25-Feb-99									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	30-Jun-99									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	21-Sep-99									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-34	RTN	20-Dec-99									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-34	RTN	17-Mar-00									< 3	U	< 3	U	< 3	U	< 3	U
W-830-34	RTN	20-Jun-00									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-34	RTN	14-Aug-00									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-830-34	DUP	14-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-34	RTN	20-Nov-00									< 20	U	< 20	U	< 20	U	< 20	U
W-830-34	RTN	29-Jan-01									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-34	RTN	3-May-01									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-34	RTN	19-Sep-01									< 25	DU	< 25	DU	< 25	DU	< 25	OUD
W-830-34	RTN	30-Nov-01									< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-34	RTN	15-Mar-02									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-34	RTN	11-Jun-02									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-34	RTN	23-Aug-02									< 10	DU	< 10	LODU	< 10	DU	< 10	DU
W-830-34	RTN	27-Dec-02									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-34	RTN	29-Jan-04									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-34	RTN	27-Jul-04									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-49	RTN	15-Jun-98	< 5	DU	< 5	DU	< 5	DU	< 10	DU	< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-49	RTN	19-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-49	HYI	10-Nov-98									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-49	RTN	15-Dec-98									< 30	DHU	< 30	DHU	< 30	DHU	< 30	DHU
W-830-49	DUP	25-Feb-99									< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-49	RTN	25-Feb-99									< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-49	RTN	30-Jun-99									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-49	RTN	23-Sep-99									< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-49	RTN	17-Mar-00									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-49	RTN	20-Jun-00									< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-49	RTN	14-Aug-00									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-49	DUP	14-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-49	RTN	16-Nov-00									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-49	RTN	31-Jan-01									< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-49	RTN	3-May-01									< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-49	RTN	30-Aug-01									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-49	DUP	30-Aug-01									< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-49	RTN	30-Nov-01									< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-49	RTN	15-Mar-02									< 500	DU	< 500	DU	< 500	DU	< 500	DU
W-830-49	RTN	17-Jun-02									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-49	RTN	23-Aug-02									< 500	DU	< 500	LODU	< 500	DU	< 500	DU
W-830-49	RTN	27-Dec-02									< 500	DU	< 500	DU	< 500	DU	< 500	DU
W-830-49	RTN	21-Mar-03									< 500	DU	< 500	DU	< 500	DU	< 500	DOU
W-830-49	RTN	25-Aug-03									< 250	DU	< 250	DU	< 250	DU	< 250	DU

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-49	RTN	28-Jan-04									< 250	DU	< 250	DU	< 250	DU	< 250	DU
W-830-49	RTN	26-Jul-04									< 500	DU	< 500	DU	< 500	DU	< 500	DU
W-830-50	RTN	1-Apr-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	1-Jul-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	14-Sep-99	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U	< 1	U
W-830-50	RTN	20-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	15-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	31-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	29-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	12-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	3-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	19-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	19-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	12-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-50	RTN	12-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	19-Aug-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	26-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	25-Mar-03									< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-830-50	RTN	25-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-50	RTN	21-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	HYI	10-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	10-Sep-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	21-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	21-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	16-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	17-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	11-Dec-00									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-830-51	DUP	11-Dec-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	30-Mar-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	13-Sep-01									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-51	RTN	26-Nov-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	23-Jan-02									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-51	RTN	22-May-02									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-51	RTN	8-Aug-02									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-51	RTN	24-Oct-02									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-51	RTN	15-Jan-03									< 2.5	DLU	< 2.5	DLU	< 2.5	DLU	< 2.5	DLU
W-830-51	RTN	16-Apr-03									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-51	RTN	9-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	8-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	13-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	7-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	14-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-51	RTN	6-Oct-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	HYI	9-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	HYI	9-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	RTN	15-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-52	RTN	31-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	RTN	28-Nov-00									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-830-52	RTN	30-Mar-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	RTN	22-Jun-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	RTN	13-Sep-01									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-830-52	RTN	26-Nov-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	RTN	23-Jan-02									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-52	RTN	22-May-02									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-52	RTN	8-Aug-02									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-52	RTN	24-Oct-02									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-52	RTN	15-Jan-03									< 5	DLU	< 5	DLU	< 5	DLU	< 5	DLU
W-830-52	RTN	16-Apr-03									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-52	RTN	9-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	RTN	8-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	RTN	13-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	RTN	7-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	RTN	14-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-52	RTN	6-Oct-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	HYI	11-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	HYI	11-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	15-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	31-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	28-Nov-00									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-830-53	RTN	30-Mar-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	21-Jun-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	13-Sep-01									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-830-53	RTN	26-Nov-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	23-Jan-02									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-53	RTN	22-May-02									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-53	RTN	8-Aug-02									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-53	RTN	24-Oct-02									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-53	RTN	15-Jan-03									< 2.5	DLU	< 2.5	DLU	< 2.5	DLU	< 2.5	DLU
W-830-53	RTN	16-Apr-03									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-53	RTN	9-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	8-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	13-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	7-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	14-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-53	RTN	6-Oct-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	18-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	18-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	29-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	21-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	31-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	20-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	18-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	13-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-54	RTN	18-Jun-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-54	RTN	26-Sep-02									< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-54	RTN	19-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	10-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	17-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-54	RTN	27-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	18-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	17-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	29-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	21-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	DUP	21-Feb-01									< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU
W-830-55	RTN	31-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	DUP	20-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	20-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	18-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	13-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-55	RTN	18-Jun-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-55	DUP	26-Sep-02									< 2.5	UDO	< 2.5	UDO	< 2.5	DU	< 2.5	UDO
W-830-55	RTN	26-Sep-02									< 0.5	OU	< 0.5	OU	< 0.5	U	< 0.5	OU
W-830-55	RTN	25-Mar-03									< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-830-55	RTN	10-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	17-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-55	RTN	27-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	11-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	23-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	17-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	29-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	31-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	24-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	24-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	20-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	13-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-56	DUP	13-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-56	RTN	12-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	12-Aug-02									< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-830-56	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	SLI	25-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	25-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	18-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	DUP	18-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-56	RTN	20-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	18-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	18-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	18-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	30-Mar-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	11-Sep-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	14-Sep-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	4-Oct-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	7-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	DUP	7-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	11-Dec-00									< 2	DU	< 2	DU	< 2	DU	< 2	DU

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-57	RTN	22-Jan-01									< 0.5	IJU	< 0.5	IJU	< 0.5	IJU	< 0.5	IJU
W-830-57	RTN	20-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	8-Mar-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	11-Apr-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	10-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	14-Jun-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	19-Jul-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	20-Aug-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	13-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	3-Oct-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	18-Oct-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	13-Nov-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	17-Jan-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	12-Feb-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	11-Mar-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	22-Apr-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	7-May-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	17-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	15-Jul-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	8-Aug-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	16-Sep-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	21-Oct-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	6-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-57	RTN	25-Aug-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-58	RTN	31-Mar-00	< 3	DU	< 3	DU	< 3	DU	< 5	DU	< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-58	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-58	RTN	18-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-58	RTN	11-Dec-00									< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-58	DUP	11-Dec-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-58	RTN	12-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-58	RTN	31-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-58	RTN	25-Sep-01									< 12	DU	< 12	DU	< 12	DU	< 12	DU
W-830-58	RTN	21-Dec-01									< 12	DU	< 12	DU	< 12	DU	< 12	DU
W-830-58	RTN	14-Mar-02									< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU
W-830-58	RTN	18-Jun-02									< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU
W-830-58	RTN	12-Aug-02									< 5	ODU	< 5	ODU	< 5	ODU	< 5	ODU
W-830-58	RTN	30-Dec-02									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-830-58	RTN	21-Mar-03									< 25	DU	< 25	DU	< 25	DU	< 25	DOU
W-830-58	DUP	21-Mar-03									< 12	DU	< 12	DU	< 12	DU	< 12	DOU
W-830-58	RTN	27-Aug-03									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-58	RTN	10-Feb-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-58	RTN	28-Jul-04									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-830-59	RTN	24-Aug-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-59	RTN	16-Nov-00									< 30	DU	< 30	DU	< 30	DU	< 30	DU
W-830-59	RTN	31-Jan-01									< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-830-59	RTN	3-May-01									< 83	DU	< 83	DU	< 83	DU	< 83	DU
W-830-59	RTN	30-Aug-01									< 120	DU	< 120	DU	< 120	DU	< 120	DU
W-830-59	RTN	13-Dec-01									< 170	DU	< 170	DU	< 170	DU	< 170	DU
W-830-59	RTN	15-Mar-02									< 100	DU	< 100	DU	< 100	DU	< 100	DU
W-830-59	RTN	10-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-59	RTN	13-Aug-02									< 50	DU	< 50	DU	< 50	DU	< 50	DU

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-830-59	RTN	27-Dec-02									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-59	RTN	11-Jun-03									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-59	RTN	8-Oct-03									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-830-59	RTN	13-Jan-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-59	RTN	7-Apr-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-59	RTN	14-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-59	RTN	6-Oct-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-60	RTN	30-Jun-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	17-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	11-Dec-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	13-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	23-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	24-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	19-Dec-01									< 0.78	DU	< 0.78	DU	< 0.78	DU	< 0.78	DU
W-830-60	RTN	12-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-830-60	RTN	11-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	19-Aug-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	26-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	14-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-60	RTN	27-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	RTN	19-Mar-02	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	RTN	14-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	RTN	24-Sep-02									< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-830-1730	RTN	26-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	RTN	21-Feb-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	RTN	18-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	RTN	2-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1730	RTN	21-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1807	RTN	14-Aug-02									< 100	DU	< 100	DU	< 100	DU	< 100	DU
W-830-1807	RTN	8-Oct-03									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-1807	RTN	13-Jan-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-1807	RTN	7-Apr-04	< 5	DHU	< 5	DHU	< 5	DHU	< 10	DHU	< 5	DHU	< 5	DHU	< 5	DHU	< 5	DHU
W-830-1807	RTN	14-Jul-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-1807	RTN	6-Oct-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-830-1829	RTN	27-Aug-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1829	DUP	30-Jun-03									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1829	RTN	30-Jun-03									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1829	DUP	30-Jun-03	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1829	RTN	30-Jun-03	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1829	RTN	23-Sep-03									< 50	UD	< 50	UD	< 50	UD	< 50	UD
W-830-1829	RTN	6-Nov-03									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1829	RTN	6-Nov-03	< 40	DHU	< 30	DHU	< 30	DHU	42	HD	< 30	DHU	< 30	DHU	< 30	DHU	< 30	DHU
W-830-1829	RTN	28-Jan-04									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1829	RTN	28-Jan-04	< 40	DHU	< 30	DHU	< 30	DHU	< 40	DHU	< 30	DHU	< 30	DHU	< 30	DHU	< 30	DHU
W-830-1829	DUP	29-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1829	DUP	29-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-1829	RTN	29-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1829	RTN	26-Jul-04									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1830	RTN	30-Jun-03									< 50	DU	< 50	DU	< 50	DU	< 50	DU

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-1830	RTN	30-Jun-03	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-1830	RTN	23-Sep-03									< 50	UD	< 50	UD	< 50	UD	< 50	UD
W-830-1830	RTN	6-Nov-03									< 25	DU	< 25	DU	< 25	DU	< 25	DU
W-830-1830	RTN	6-Nov-03	< 20	DHU	< 15	DHU	< 15	DHU	< 20	DHU	< 15	DHU	< 15	DHU	< 15	DHU	< 15	DHU
W-830-1830	RTN	28-Jan-04									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1830	RTN	28-Jan-04	< 40	DHU	< 30	DHU	< 30	DHU	< 40	DHU	< 30	DHU	< 30	DHU	< 30	DHU	< 30	DHU
W-830-1830	DUP	29-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1830	DUP	29-Apr-04	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-1830	RTN	29-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1830	RTN	26-Jul-04									< 50	DU	< 50	DU	< 50	DU	< 50	DU
W-830-1831	RTN	30-Jun-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1831	RTN	30-Jun-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1831	RTN	18-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1831	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1831	RTN	10-Feb-04	< 0.4	HU	< 0.3	HU	< 0.3	HU	< 0.4	HU	< 0.3	HU	< 0.3	HU	< 0.3	HU	< 0.3	HU
W-830-1831	RTN	26-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1831	RTN	26-Apr-04	< 0.4	U	< 0.3	U	< 0.3	U	< 0.4	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-1831	RTN	26-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1832	RTN	30-Jun-03	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1832	RTN	30-Jun-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1832	RTN	30-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1832	RTN	30-Jul-03	< 0.4	U	< 0.3	U	< 0.3	U	< 0.4	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-1832	RTN	10-Sep-03	< 0.4	HU	< 0.3	HU	< 0.3	HU	< 0.4	HU	< 0.3	HU	< 0.3	HU	< 0.3	HU	< 0.3	HU
W-830-1832	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1832	RTN	10-Feb-04	< 0.4	HU	< 0.3	HU	< 0.3	HU	< 0.4	HU	< 0.3	HU	< 0.3	HU	< 0.3	HU	< 0.3	HU
W-830-1832	RTN	26-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-830-1832	RTN	26-Apr-04	< 0.4	U	< 0.3	U	< 0.3	U	< 0.4	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-830-1832	RTN	26-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SVI-830-031	RTN	30-Sep-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SVI-830-031	RTN	21-Feb-03									< 3	DU	< 3	DU	< 3	DU	< 3	DU
SVI-830-033	RTN	30-Sep-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SVI-830-035	RTN	30-Sep-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SVI-830-035	RTN	21-Feb-03									< 10	DU	< 10	DU	< 10	DU	< 10	DU
SVI-830-035	RTN	30-Jul-03									< 120	DU	< 120	DU	< 120	DU	< 120	DU
SVI-830-035	RTN	30-Oct-03									< 100	DU	< 100	DU	< 100	DU	< 100	DU
SVI-830-035	RTN	29-Jan-04									< 50	DU	< 50	DU	< 50	DU	< 50	DU
SVI-830-035	RTN	29-Apr-04									< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU
SVI-830-035	RTN	27-Jul-04									< 50	DU	< 50	DU	< 50	DU	< 50	DU
SVI-830-035	RTN	27-Oct-04									< 25	DUO	< 25	DUO	< 25	DUO	< 25	DUO
W-831-01	RTN	18-Mar-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	29-Jun-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	22-Sep-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	22-Sep-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	11-Dec-87									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	9-Mar-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	28-Jun-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	17-Oct-88									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	1-Feb-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	14-Apr-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	19-Jul-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	1-Nov-89									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-831-01	RTN	19-Jan-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	29-May-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	22-Aug-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	7-Dec-90									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	5-Mar-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	17-May-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	DUP	17-May-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	6-Sep-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	10-Dec-91									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	10-Dec-91									< 4	P	< 2	P	< 4	P	< 0.7	P
W-831-01	RTN	18-Jun-92									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
W-831-01	RTN	22-Dec-92									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	21-Jun-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	11-Mar-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	22-Feb-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	19-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	20-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	18-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	15-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	14-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-831-01	RTN	4-Nov-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	21-Nov-94	< 10	DU	< 10	DU	< 10	DU	< 20	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-01	RTN	16-Mar-95	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-01	DUP	16-Mar-95	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-01	RTN	19-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	28-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	21-Dec-95									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-01	RTN	7-Feb-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	DUP	24-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	24-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	23-Sep-96									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-01	RTN	19-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	6-Mar-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	26-Jun-97									< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-832-01	RTN	26-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	29-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	11-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	10-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	15-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	DUP	15-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	8-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	DUP	24-Feb-99									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-01	RTN	30-Jun-99									< 6	DU	< 6	DU	< 6	DU	< 6	DU
W-832-01	DUP	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	30-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	21-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	15-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	DUP	15-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-832-01	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	15-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	20-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	13-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	DUP	13-Feb-01									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-01	RTN	24-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	20-Sep-01									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-01	RTN	13-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	RTN	13-Dec-01									< 6.2	DU	< 6.2	DU	< 6.2	DU	< 6.2	DU
W-832-01	RTN	18-Mar-02									< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU
W-832-01	RTN	10-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-01	DUP	26-Sep-02									< 1	U	< 1	U	< 1	U	< 1	U
W-832-01	RTN	26-Sep-02									< 5	UDO	< 5	UDO	< 5	DU	< 5	UDO
W-832-01	RTN	19-Mar-03									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-01	RTN	25-Aug-03									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-01	RTN	29-Jan-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-01	RTN	28-Jul-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	16-Nov-94	< 10	DU	< 10	DU	< 10	DU	< 20	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-05	RTN	6-Dec-94	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-05	RTN	21-Dec-94	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-05	RTN	9-Mar-95	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-05	RTN	19-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	28-Jul-95									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	1-Dec-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	8-Feb-96									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-05	RTN	24-Jun-96									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	24-Sep-96									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	12-Dec-96									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	6-Mar-97									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	26-Jun-97									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	29-Aug-97									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	8-Dec-97									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-05	RTN	24-Feb-98									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	11-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	DUP	19-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	19-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	DUP	8-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	8-Dec-98									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	24-Feb-99									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-832-05	RTN	30-Jun-99									< 6	DU	< 6	DU	< 6	DU	< 6	DU
W-832-05	DUP	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	24-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	21-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	15-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	DUP	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	15-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	15-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	21-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	13-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	24-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-832-05	DUP	24-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	19-Sep-01									< 12	DU	< 12	DU	< 12	DU	< 12	OUD
W-832-05	DUP	14-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	14-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	18-Mar-02									< 1	LODU	< 1	LODU	< 1	LODU	< 1	LODU
W-832-05	RTN	18-Jun-02									< 5	LODU	< 5	LODU	< 5	LODU	< 5	LODU
W-832-05	RTN	25-Sep-02									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-05	RTN	19-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	8-Sep-03									< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-832-05	RTN	2-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-05	RTN	28-Jul-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-06	RTN	9-Mar-95	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-06	RTN	25-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	25-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	28-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	12-Dec-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	7-Feb-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	24-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	24-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	24-Sep-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	12-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	6-Mar-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	26-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	29-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	8-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	10-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	28-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	19-Aug-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	8-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	DUP	24-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	24-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	24-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	21-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	1-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	18-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	10-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	19-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-06	RTN	8-Sep-03									< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-832-06	RTN	2-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	21-Nov-94	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-09	RTN	16-Mar-95	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-09	DUP	16-Mar-95	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-09	RTN	19-May-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	28-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	28-Jul-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	8-Dec-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	6-Feb-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	19-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	24-Sep-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-832-09	RTN	17-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	27-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	20-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	27-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	24-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	19-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	18-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	15-Dec-98									< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU
W-832-09	RTN	24-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	30-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	15-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	18-Jun-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-832-09	RTN	20-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	8-Sep-03									< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-832-09	RTN	29-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-09	RTN	28-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	15-Jun-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-10	RTN	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	8-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	24-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	22-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	20-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	2-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	15-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	20-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	15-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	22-May-01									< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU
W-832-10	RTN	20-Sep-01									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-10	RTN	11-Dec-01									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-10	DUP	11-Dec-01									< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU
W-832-10	RTN	22-Mar-02									< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU
W-832-10	RTN	10-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-10	RTN	26-Sep-02									< 5	UDO	< 5	UDO	< 5	DU	< 5	UDO
W-832-10	DUP	20-Mar-03									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-10	RTN	20-Mar-03									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-10	RTN	8-Sep-03									< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-832-10	RTN	9-Feb-04									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-10	RTN	28-Jul-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-11	RTN	15-Jun-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-11	RTN	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-11	RTN	8-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-11	RTN	24-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-11	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-11	RTN	23-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-11	RTN	20-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-11	RTN	2-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-832-11	RTN	21-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-11	RTN	15-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-11	RTN	20-Nov-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-11	RTN	15-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-11	RTN	22-May-01									< 3.6	DU	< 3.6	DU	< 3.6	DU	< 3.6	DU
W-832-11	RTN	20-Sep-01									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-11	RTN	11-Dec-01									< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU
W-832-11	RTN	22-Mar-02									< 2.5	LODU	< 2.5	LODU	< 2.5	LODU	< 2.5	LODU
W-832-11	SLI	10-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-11	SLI	10-Jun-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-832-11	RTN	26-Sep-02									< 5	UDO	< 5	UDO	< 5	DU	< 5	UDO
W-832-11	RTN	20-Mar-03									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-11	RTN	8-Sep-03									< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-832-11	RTN	9-Feb-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-11	RTN	28-Jul-04									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-12	RTN	16-Mar-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-12	RTN	11-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	16-Mar-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	30-Jun-99									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-12	RTN	23-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	30-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	25-Sep-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	5-Dec-00									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-832-12	RTN	7-Mar-01									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-12	RTN	27-Jun-01									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-12	RTN	25-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	13-Dec-01									< 3.1	DU	< 3.1	DU	< 3.1	DU	< 3.1	DU
W-832-12	RTN	15-Feb-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	23-Apr-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	25-Jul-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	25-Nov-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	31-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	8-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	2-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	21-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	7-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	14-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-12	RTN	6-Oct-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	16-Mar-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-13	RTN	11-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	15-Dec-98									< 0.5	HU	< 0.5	HU	< 0.5	HU	< 0.5	HU
W-832-13	RTN	16-Mar-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	30-Jun-99									< 6	DU	< 6	DU	< 6	DU	< 6	DU
W-832-13	RTN	23-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	7-Mar-01									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-13	RTN	27-Jun-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	25-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	13-Dec-01									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-13	RTN	31-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-832-13	RTN	8-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	2-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	21-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	7-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	14-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-13	RTN	6-Oct-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-14	RTN	17-Mar-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-14	RTN	12-Jun-98									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-14	RTN	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-14	RTN	16-Mar-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-14	RTN	30-Jun-99									< 6	DU	< 6	DU	< 6	DU	< 6	DU
W-832-14	DUP	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-14	RTN	23-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-14	RTN	30-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-14	RTN	14-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	16-Mar-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-15	RTN	11-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	16-Mar-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	30-Jun-99									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-15	RTN	23-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	25-Sep-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	7-Mar-01									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-832-15	RTN	27-Jun-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	25-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	13-Dec-01									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-15	RTN	15-Feb-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	23-Apr-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	25-Jul-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	31-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	8-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	2-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	21-Jan-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	7-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-15	RTN	14-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-16	RTN	16-Mar-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-16	RTN	11-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-16	RTN	16-Mar-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-16	RTN	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-16	RTN	23-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-17	RTN	17-Mar-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-17	RTN	11-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-17	RTN	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-17	RTN	16-Mar-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-17	RTN	30-Jun-99									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-17	RTN	23-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-18	RTN	24-Mar-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-18	RTN	12-Jun-98									< 13	DU	< 13	DU	< 13	DU	< 13	DU
W-832-18	DUP	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-18	RTN	18-Sep-98									< 13	DU	< 13	DU	< 13	DU	< 13	DU
W-832-18	RTN	16-Mar-99									< 9	DU	< 9	DU	< 9	DU	< 9	DU

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-18	RTN	31-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-18	RTN	8-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-18	RTN	2-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	24-Mar-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-19	RTN	12-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	16-Mar-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	30-Jun-99									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-19	RTN	23-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	21-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	2-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	DUP	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	15-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	15-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	21-Nov-00									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-19	RTN	13-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	22-May-01									< 0.84	DU	< 0.84	DU	< 0.84	DU	< 0.84	DU
W-832-19	RTN	20-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	18-Mar-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	18-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	26-Sep-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-19	RTN	21-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU
W-832-20	RTN	24-Mar-98	< 10	DU	< 10	DU	< 10	DU	< 20	DU	< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-20	RTN	12-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-20	RTN	18-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-20	RTN	16-Mar-99									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-20	RTN	23-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-21	RTN	24-Mar-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-832-21	RTN	11-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-23	RTN	24-Mar-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-23	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-23	RTN	24-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-23	RTN	21-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-23	RTN	1-Feb-00									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-832-23	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-23	RTN	31-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-23	RTN	21-Nov-00									< 20	DU	< 20	DU	< 20	DU	< 20	DU
W-832-23	RTN	12-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-23	RTN	23-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-23	RTN	20-Sep-01									< 12	DU	< 12	DU	< 12	DU	< 12	DU
W-832-23	RTN	18-Dec-01									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-23	RTN	18-Mar-02									< 10	LODU	< 10	LODU	< 10	LODU	< 10	LODU
W-832-23	RTN	10-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-23	RTN	25-Sep-02									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-23	RTN	21-Mar-03									< 5	DU	< 5	DU	< 5	DU	< 5	DOU
W-832-23	RTN	8-Sep-03									< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-832-23	DUP	9-Feb-04									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-23	RTN	9-Feb-04									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-23	RTN	28-Jul-04									< 10	DU	< 10	DU	< 10	DU	< 10	DU
W-832-24	RTN	24-Mar-99	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-24	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	24-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	2-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	22-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	15-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	21-Nov-00									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-24	RTN	13-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	23-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	18-Sep-01									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-832-24	RTN	11-Dec-01									< 0.96	DU	< 0.96	DU	< 0.96	DU	< 0.96	DU
W-832-24	RTN	18-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-832-24	RTN	10-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	25-Sep-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	21-Mar-03									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DOU
W-832-24	RTN	8-Sep-03									< 0.5	U	< 0.5	OU	< 0.5	U	< 0.5	U
W-832-24	RTN	9-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-24	RTN	28-Jul-04									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-832-25	RTN	15-Feb-00	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-25	RTN	23-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-25	RTN	14-Sep-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-25	RTN	19-Dec-00									< 3	DU	< 3	DU	< 3	DU	< 3	DU
W-832-25	RTN	15-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-25	RTN	23-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-25	RTN	25-Sep-01									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-25	DUP	25-Sep-01									< 2	DU	< 2	DU	< 2	DU	< 2	DU
W-832-25	RTN	11-Dec-01									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-25	DUP	22-Mar-02									< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU
W-832-25	RTN	22-Mar-02									< 2	LODU	< 2	LODU	< 2	LODU	< 2	LODU
W-832-25	RTN	11-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-25	RTN	26-Sep-02									< 2.5	UDO	< 2.5	UDO	< 2.5	DU	< 2.5	UDO
W-832-25	DUP	24-Mar-03									< 2.5	DU	< 2.5	UDO	< 2.5	DU	< 2.5	DU
W-832-25	RTN	24-Mar-03									< 2.5	DU	< 2.5	UDO	< 2.5	DU	< 2.5	DU
W-832-25	DUP	27-Aug-03									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-25	RTN	27-Aug-03									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-25	RTN	9-Feb-04									< 2.5	DU	< 2.5	DU	< 2.5	DU	< 2.5	DU
W-832-25	RTN	28-Jul-04									< 5	DU	< 5	DU	< 5	DU	< 5	DU
W-832-SC1	RTN	12-Nov-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	24-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	10-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	8-Sep-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	DUP	8-Sep-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	14-Oct-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	20-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	8-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	DUP	28-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	28-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	25-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	27-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	22-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-832-SC1	RTN	1-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	16-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	7-Jun-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	25-Mar-03									< 1	DOU	< 1	DOU	< 1	DOU	< 1	DOU
W-832-SC1	DUP	2-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	2-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC1	RTN	28-Jul-04									< 1	DU	< 1	DU	< 1	DU	< 1	DU
W-832-SC2	RTN	12-Nov-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	24-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	10-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	14-Oct-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	20-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	8-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	28-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	23-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	27-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	22-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	1-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	16-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	7-Jun-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	26-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC2	RTN	25-Mar-03									< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-832-SC3	RTN	12-Nov-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	24-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	10-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	14-Oct-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	20-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	DUP	8-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	8-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	22-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	25-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	22-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	16-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	7-Jun-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	20-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	25-Mar-03									< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-832-SC3	RTN	2-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC3	RTN	2-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	12-Nov-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	10-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	2-Jan-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	22-Jan-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	24-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	10-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	14-Oct-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	20-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	8-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-SC4	RTN	28-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	23-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	29-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	22-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	1-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	16-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	31-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	20-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	21-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	2-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-SC4	RTN	2-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-1927	RTN	27-Jun-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-1927	RTN	24-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-1927	RTN	6-Nov-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-1927	RTN	11-Feb-04	< 0.4	HU	< 0.3	HU	< 0.3	HU	< 0.4	HU	< 0.3	HU	< 0.3	HU	< 0.3	HU	< 0.3	HU
W-832-1927	RTN	11-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-1927	RTN	26-Apr-04	< 0.4	U	< 0.3	U	< 0.3	U	< 0.4	U	< 0.3	U	< 0.3	U	< 0.3	U	< 0.3	U
W-832-1927	RTN	26-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-832-1927	RTN	26-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-01	RTN	18-Mar-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-870-01	RTN	27-May-98	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-870-02	DUP	18-Jun-97	< 0.5	U	< 0.5	U	< 0.5	U	< 1	U	< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	18-Jun-97	< 1	U	< 1	U	< 1	U	< 2	U	< 1	U	< 1	U	< 1	U	< 1	U
W-870-02	RTN	8-Sep-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	4-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	DUP	20-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	20-Mar-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	27-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	30-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	22-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	23-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	29-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	22-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	3-Feb-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	30-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	14-Sep-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	13-Dec-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	20-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	31-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	25-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	25-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	14-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	22-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-870-02	RTN	26-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	30-Sep-02									< 0.5	U	< 0.5	OU	< 0.5	OU	< 0.5	OU
W-870-02	RTN	21-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	OU
W-870-02	RTN	24-Sep-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	10-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-870-02	RTN	28-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	24-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-880-01	RTN	11-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	22-Aug-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	27-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	12-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	16-Apr-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	27-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	12-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	11-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	13-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	30-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	10-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	22-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	18-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	30-Aug-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	13-Dec-99									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-880-01	RTN	1-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	13-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	27-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	31-Oct-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	24-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	16-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	26-Sep-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	20-Nov-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	24-Jan-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	21-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	28-Aug-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	20-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	24-Apr-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	23-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	11-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	17-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	13-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	7-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-01	RTN	25-Oct-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	26-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	DUP	17-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	17-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	12-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	24-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	19-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	21-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	13-Nov-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	11-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	13-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	30-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	3-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	19-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	25-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	30-Aug-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	8-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L RESULT	FLAG	1,3 Dichloro-benzene ug/L RESULT	FLAG	1,4 Dichloro-benzene ug/L RESULT	FLAG	Chloro-benzene ug/L RESULT	FLAG
W-880-02	RTN	1-Mar-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	19-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	27-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	30-Oct-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	24-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	20-Apr-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	DUP	20-Apr-01									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-880-02	RTN	23-Jul-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	20-Nov-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	24-Jan-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	21-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	28-Aug-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	19-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	24-Apr-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	23-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	11-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	5-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	13-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	DUP	13-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	7-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	25-Oct-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-02	RTN	25-Oct-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	24-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	DUP	24-Jan-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	17-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	22-Aug-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	27-Dec-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	12-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	16-Apr-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	27-Aug-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	12-Dec-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	11-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	13-May-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	30-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	10-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	22-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	18-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	30-Aug-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	13-Dec-99									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-880-03	RTN	7-Mar-00									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
W-880-03	RTN	13-Jun-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	27-Jul-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	31-Oct-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	24-Jan-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	23-Apr-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	21-Aug-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	20-Nov-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	24-Jan-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	21-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L		Toluene ug/L		Ethyl-benzene ug/L		Total xylenes ug/L		1,2 Dichloro-benzene ug/L		1,3 Dichloro-benzene ug/L		1,4 Dichloro-benzene ug/L		Chloro-benzene ug/L	
			RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-880-03	RTN	28-Aug-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	20-Dec-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	14-Mar-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	24-Apr-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	23-Jul-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	11-Oct-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	17-Feb-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	13-Apr-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	7-Jul-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
W-880-03	RTN	25-Oct-04									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	12-Jul-85									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
SPRING3	RTN	16-Oct-85									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
SPRING3	RTN	19-Nov-85									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
SPRING3	RTN	18-Mar-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
SPRING3	RTN	6-Jun-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
SPRING3	RTN	20-Nov-86									< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
SPRING3	RTN	14-Nov-91	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P	< 0.5	P
SPRING3	RTN	3-Sep-93									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	20-Apr-94									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	24-Oct-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	24-Oct-95									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	21-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	21-Jun-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	12-Nov-96									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	24-Feb-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	10-Jun-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	14-Oct-97									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	20-Feb-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	8-Jun-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	29-Sep-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	28-Dec-98									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	25-Feb-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	DUP	30-Jun-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	16-Sep-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	15-Dec-99									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	31-Jan-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	23-May-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	17-Aug-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	12-Dec-00									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	21-Feb-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	1-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	DUP	1-May-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	19-Sep-01									< 5	DU	< 5	DU	< 5	DU	< 5	DU
SPRING3	RTN	17-Dec-01									< 0.9	DU	< 0.9	DU	< 0.9	DU	< 0.9	DU
SPRING3	DUP	17-Dec-01									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	25-Mar-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	25-Mar-02									< 0.5	LOU	< 0.5	LOU	< 0.5	LOU	< 0.5	LOU
SPRING3	RTN	20-Jun-02									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U
SPRING3	RTN	25-Mar-03									< 0.5	OU	< 0.5	OU	< 0.5	OU	< 0.5	OU
SPRING3	RTN	4-Aug-03									< 0.5	U	< 0.5	U	< 0.5	U	< 0.5	U

Table A-19. Aromatic hydrocarbons in ground water and surface surface water (ug/L), Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Benzene ug/L RESULT	FLAG	Toluene ug/L RESULT	FLAG	Ethyl-benzene ug/L RESULT	FLAG	Total xylenes ug/L RESULT	FLAG	1,2 Dichloro-benzene ug/L	RESULT	FLAG	1,3 Dichloro-benzene ug/L	RESULT	FLAG	1,4 Dichloro-benzene ug/L	RESULT	FLAG	Chloro-benzene ug/L	RESULT	FLAG
SPRING3	RTN	2-Feb-04									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
SPRING3	RTN	26-Jul-04									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
SPRING4	RTN	20-Apr-94									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
SPRING4	RTN	29-Jan-96									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
SPRING4	RTN	21-Jun-96									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
SPRING4	RTN	18-Mar-99									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U
SPRING4	RTN	1-Jun-00									<	0.5	U	<	0.5	U	<	0.5	U	<	0.5	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
830-03	11.1	BSS	15-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-03	30.5	BSS	16-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-03	51.0	BSS	23-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-04	15.6	BSS	2-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-04	45.2	BSS	3-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-04	55.0	BSS	4-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-06	6.0	BSS	28-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-06	10.0	BSS	28-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-08	5.0	BSS	28-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
830-23	1.5	BUD	30-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	5.0	BUD	30-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	5.3	BUD	30-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	10.0	BUD	30-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	10.3	BUD	30-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	16.0	BUD	30-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	16.3	BUD	30-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	25.8	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	25.8	DUP	1-Dec-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
830-23	31.0	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	37.0	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	37.0	DUP	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	40.5	DUP	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	40.5	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	45.5	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	50.0	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-23	55.5	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	1.5	BUD	5-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	5.8	BUD	5-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	6.0	BUD	5-Dec-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	10.3	BUD	5-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	10.5	BUD	5-Dec-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	15.3	BUD	5-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	15.5	BUD	5-Dec-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	20.5	BUD	6-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	20.5	DUP	6-Dec-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
830-24	25.8	BUD	6-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	30.8	BUD	6-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	35.3	BUD	6-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	40.0	BUD	6-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	45.5	BUD	7-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	50.0	BUD	7-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	50.0	DUP	7-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-24	55.3	BUD	7-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
830-48	12.0	DUP	3-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	1.5	BUD	26-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	5.5	BUD	26-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	5.8	BUD	26-Sep-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	10.5	BUD	26-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	10.8	BUD	26-Sep-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
832-02	15.8	BUD	27-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	16.0	BUD	27-Sep-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	20.5	BUD	27-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	25.5	BUD	27-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	30.5	BUD	27-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	35.3	BUD	27-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	35.3	DUP	27-Sep-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
832-02	40.0	BUD	27-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	40.0	DUP	27-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	45.5	BUD	28-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-02	50.5	BUD	28-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	1.8	BUD	4-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	5.5	BUD	4-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	5.8	BUD	4-Oct-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	10.5	BUD	4-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	10.8	BUD	4-Oct-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	15.5	BUD	4-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	15.5	BUD	4-Oct-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	20.3	BUD	4-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	25.0	BUD	5-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	30.0	DUP	5-Oct-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
832-03	30.5	BUD	5-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	35.0	BUD	5-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	40.5	BUD	5-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	46.0	BUD	5-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	50.5	BUD	5-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	55.5	BUD	5-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-03	55.5	DUP	5-Oct-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
832-04	1.5	BUD	6-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	5.3	BUD	6-Oct-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	5.5	BUD	6-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	5.8	BUD	6-Oct-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	10.8	BUD	6-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	11.0	BUD	6-Oct-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	15.5	BUD	6-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	15.8	BUD	6-Oct-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	15.8	DUP	6-Oct-94	< 0.005	U	< 0.005	U	< 0.005	U	< 0.015	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
832-04	20.5	BUD	7-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	25.5	BUD	7-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	30.5	BUD	7-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	35.0	BUD	7-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	35.0	DUP	7-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	40.0	BUD	7-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	40.0	DUP	7-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	45.5	BUD	7-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	50.0	BUD	7-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-04	55.5	BUD	7-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	1.3	BUD	28-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	5.8	BUD	28-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
832-07	6.0	BUD	28-Sep-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	11.0	BUD	28-Sep-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	11.0	DUP	28-Sep-94	< 0.005	U	< 0.005	U	< 0.005	U	< 0.015	U								
832-07	11.5	BUD	28-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	15.5	BUD	29-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	15.5	DUP	29-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	16.0	BUD	29-Sep-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	16.0	DUP	29-Sep-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	20.5	BUD	29-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	25.5	BUD	29-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	30.5	BUD	29-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	35.0	BUD	29-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	40.3	BUD	29-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	45.5	BUD	29-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	50.0	BUD	29-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-07	55.0	BUD	29-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	3.0	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	5.3	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	5.3	BUD	28-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	10.3	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	10.3	BUD	28-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	15.3	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	15.3	BUD	28-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	20.0	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	20.0	DUP	28-Nov-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
832-08	25.0	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	25.0	DUP	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	30.5	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	35.0	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	40.0	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	40.0	DUP	29-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	45.0	BUD	29-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	50.0	BUD	29-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-08	55.5	BUD	29-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-13	6.0	BUD	9-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-13	11.0	BUD	9-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-13	16.0	BUD	9-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-13	21.0	BUD	9-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-14	6.0	BUD	9-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-14	11.0	BUD	9-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-14	16.0	BUD	9-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-14	21.0	BUD	9-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-15	6.0	BUD	12-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-15	11.0	BUD	12-Aug-96									< 0.0004	U	< 0.0007	U	< 0.0007	U	< 0.0009	U
832-15	11.0	BUD	12-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-15	16.0	BUD	12-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-15	21.0	BUD	12-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-16	6.0	BUD	12-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-16	11.0	BUD	12-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
832-16	16.0	BUD	12-Aug-96									< 0.0004	U	< 0.0007	U	< 0.0007	U	< 0.0009	U
832-16	16.0	BUD	12-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
832-16	21.0	BUD	12-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
833-46	0.0	BSS	18-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	5.3	BSS	18-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	10.3	BSS	18-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	15.3	BSS	18-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	20.5	BSS	18-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	25.8	BSS	18-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	31.0	BSS	19-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-46	36.2	BSS	19-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-48	5.3	BSS	19-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-48	10.8	BSS	19-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-48	15.5	BSS	19-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-48	19.5	BSS	22-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-49	5.0	BSS	23-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-49	10.3	BSS	23-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-49	15.5	BSS	23-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
833-49	20.3	BSS	23-Apr-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
B-830-1730	20.0	BUD	15-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	25.0	BUD	15-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	30.0	BUD	15-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	35.0	BUD	15-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	40.0	BUD	19-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	45.0	BUD	19-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	50.0	BUD	23-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	55.0	BUD	23-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	60.0	BUD	23-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	65.0	BUD	23-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	70.0	BUD	23-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	75.0	BUD	23-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	80.0	BUD	23-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	85.0	BUD	24-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	90.0	BUD	24-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	95.0	BUD	24-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	100.0	BUD	25-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	105.0	BUD	25-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	110.0	BUD	25-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	115.0	BUD	25-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	120.0	BUD	25-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	125.0	BUD	25-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	130.0	BUD	26-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	135.0	BUD	26-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	140.0	BUD	26-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	145.0	BUD	26-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1730	150.0	BUD	26-Oct-01	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1807	4.5	BUD	6-Aug-02	< 0.0025	DU	< 0.0025	UDE	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU
B-830-1807	10.0	BUD	6-Aug-02	< 0.0025	DU	< 0.0025	UDE	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU
B-830-1807	14.2	BUD	7-Aug-02	< 0.00047	U	< 0.00047	EU	< 0.00047	U	< 0.00047	U	< 0.00047	U	< 0.00047	U	< 0.00047	U	< 0.00047	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
B-830-1807	15.0	BUD	7-Aug-02	< 0.0025	DU	< 0.0025	UDE	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU
B-830-1807	16.0	BUD	7-Aug-02	< 0.0023	DU	< 0.0023	UDE	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU
B-830-1807	17.0	BUD	7-Aug-02	< 0.0025	DU	< 0.0025	UDE	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU
B-830-1807	18.0	BUD	7-Aug-02	< 0.0023	DU	< 0.0023	UDE	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU
B-830-1807	21.5	BUD	7-Aug-02	< 0.0024	DU	< 0.0024	UDE	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1807	22.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U
B-830-1807	23.5	BUD	7-Aug-02	< 0.0023	DU	< 0.0023	UDE	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU
B-830-1807	24.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U
B-830-1807	25.5	BUD	7-Aug-02	< 0.025	U	< 0.025	EU	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U
B-830-1807	26.5	BUD	7-Aug-02	< 0.0025	DU	0.004	BD	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU
B-830-1807	27.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U
B-830-1807	28.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U
B-830-1807	29.5	BUD	7-Aug-02	< 0.025	U	< 0.025	EU	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U
B-830-1807	30.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U
B-830-1807	31.5	BUD	7-Aug-02	< 0.025	U	< 0.025	EU	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U
B-830-1807	32.0	BUD	7-Aug-02	< 0.0024	UDE	0.004	D	< 0.0024	UDE	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1807	33.5	BUD	7-Aug-02	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U
B-830-1807	34.5	BUD	7-Aug-02	0.002	D	0.0028	D	< 0.0015	UDE	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU
B-830-1807	35.5	BUD	7-Aug-02	< 0.0021	DU	0.0038	D	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU
B-830-1807	36.5	BUD	7-Aug-02	< 0.0023	DU	0.01	D	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU
B-830-1807	37.5	BUD	7-Aug-02	< 0.0023	DU	0.0079	D	0.0064	D	0.036	D	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU
B-830-1807	38.5	BUD	7-Aug-02	< 0.0024	UDE	0.012	D	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1807	39.5	BUD	7-Aug-02	< 0.0024	DU	0.0099	D	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1829	1.3	BUD	19-Aug-02	< 0.002	DU	0.004	D	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU
B-830-1829	5.0	BUD	19-Aug-02	< 0.0022	DU	< 0.0022	UDE	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU
B-830-1829	10.0	BUD	19-Aug-02	< 0.0024	DU	< 0.0024	UDE	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1829	15.0	BUD	19-Aug-02	< 0.002	DU	0.0055	D	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU
B-830-1829	20.0	BUD	19-Aug-02	< 0.0021	DU	0.0039	D	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU
B-830-1829	25.0	BUD	19-Aug-02	< 0.0022	DU	0.0026	D	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU
B-830-1829	30.0	BUD	19-Aug-02	< 0.0024	DU	< 0.0024	UDE	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1829	35.0	BUD	20-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1829	40.0	BUD	20-Aug-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU
B-830-1829	45.0	BUD	20-Aug-02	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-830-1829	50.0	BUD	20-Aug-02	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU
B-830-1829	55.0	BUD	20-Aug-02	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
B-830-1829	60.0	BUD	20-Aug-02	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU
B-830-1829	65.0	BUD	20-Aug-02	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
B-830-1829	69.5	BUD	20-Aug-02	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU
B-830-1830	1.0	BUD	28-Aug-02	< 0.0021	DU	< 0.0021	EDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU
B-830-1830	6.5	BUD	28-Aug-02	< 0.0022	DU	< 0.0022	EDU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU
B-830-1830	10.5	BUD	28-Aug-02	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU
B-830-1830	15.0	BUD	28-Aug-02	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
B-830-1830	21.0	BUD	28-Aug-02	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU
B-830-1830	25.0	BUD	28-Aug-02	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU
B-830-1830	30.0	BUD	28-Aug-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU
B-830-1830	35.0	BUD	29-Aug-02	< 0.0011	DU	< 0.0011	EDU	< 0.0011	DU	< 0.0011	DU	< 0.0011	DU	< 0.0011	DU	< 0.0011	DU	< 0.0011	DU
B-830-1830	40.0	BUD	29-Aug-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU
B-830-1830	45.0	BUD	29-Aug-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU
B-830-1830	50.0	BUD	29-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
B-830-1830	55.0	BUD	29-Aug-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1830	60.0	BUD	29-Aug-02	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU
B-830-1830	65.0	BUD	29-Aug-02	< 0.0013	DU	< 0.0013	EDU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU
B-830-1830	69.5	BUD	29-Aug-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU
B-830-1831	10.0	BUD	10-Sep-02	< 0.0018	DU	< 0.0018	EDU	< 0.0018	EDU	0.0021	D	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
B-830-1831	20.0	BUD	10-Sep-02	< 0.0021	DU	< 0.0021	EDU	< 0.0021	EDU	0.0027	D	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU
B-830-1831	30.0	BUD	10-Sep-02	< 0.0021	DU	< 0.0021	EDU	< 0.0021	EDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU
B-830-1831	39.0	BUD	10-Sep-02	< 0.0017	DU	< 0.0017	EDU	< 0.0017	EDU	0.002	D	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-830-1831	59.5	BUD	10-Sep-02	< 0.0014	DU	< 0.0014	EDU	< 0.0014	EDU	0.0018	D	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU
B-830-1831	70.4	BUD	11-Sep-02	< 0.002	DU	< 0.002	BDEU	< 0.002	EDU	< 0.002	BDU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU
B-830-1831	80.2	BUD	11-Sep-02	< 0.0014	DU	< 0.0014	BDEU	< 0.0014	EDU	0.0015	BD	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU
B-830-1831	90.0	BUD	11-Sep-02	< 0.002	DU	< 0.002	BDEU	< 0.002	EDU	0.0027	BD	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU
B-830-1831	100.0	BUD	11-Sep-02	< 0.0017	DU	< 0.0017	BDEU	< 0.0017	EDU	0.0022	BD	< 0.0017	DU	< 0.0017	DU	< 0.0017	EDU	< 0.0017	DU
B-830-1831	105.0	BUD	11-Sep-02	< 0.00096	DU	< 0.00096	BDEU	< 0.00096	EDU	0.0013	BD	< 0.00096	DU	< 0.00096	DU	< 0.00096	EDU	< 0.00096	DU
B-830-1831	110.0	BUD	11-Sep-02	< 0.0017	DU	< 0.0017	BDEU	< 0.0017	EDU	< 0.0017	BDU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-830-1831	110.3	DUP	11-Sep-02	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1831	115.0	BUD	11-Sep-02	< 0.0012	DU	< 0.0012	BDEU	< 0.0012	EDU	0.0019	BD	< 0.0012	DU	< 0.0012	DU	< 0.0012	EDU	< 0.0012	DU
B-830-1831	120.0	BUD	12-Sep-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU
B-830-1831	125.0	BUD	12-Sep-02	< 0.0024	DU	< 0.0024	BDEU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1831	130.0	BUD	12-Sep-02	< 0.0024	DU	< 0.0024	BDU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1831	135.0	BUD	12-Sep-02	< 0.0024	DU	< 0.0024	BDEU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1831	140.0	BUD	12-Sep-02	< 0.0018	DU	< 0.0018	BDEU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
B-830-1831	145.0	BUD	12-Sep-02	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
B-830-1831	150.0	BUD	12-Sep-02	< 0.0024	DU	< 0.0024	BDEU	< 0.0024	EDU	0.0031	BD	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1831	155.0	BUD	12-Sep-02	< 0.0019	DU	< 0.0019	BDEU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU
B-830-1831	160.0	BUD	12-Sep-02	< 0.0014	DU	< 0.0014	BDU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU
B-830-1831	160.3	DUP	12-Sep-02	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1831	165.0	BUD	16-Sep-02	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-830-1831	170.0	BUD	16-Sep-02	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU
B-830-1831	175.0	BUD	16-Sep-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU
B-830-1831	180.0	BUD	16-Sep-02	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU
B-830-1831	185.0	BUD	16-Sep-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU
B-830-1831	190.0	BUD	16-Sep-02	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU
B-830-1831	195.0	BUD	16-Sep-02	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU
B-830-1831	199.7	BUD	16-Sep-02	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU
B-830-1831	205.0	BUD	18-Sep-02	< 0.0022	UDO	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	UDO
B-830-1831	210.0	BUD	18-Sep-02	< 0.0023	UDO	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	UDO
B-830-1831	210.3	DUP	18-Sep-02	< 0.0005	U	< 0.0005	U	< 0.00056	U	< 0.0014	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1831	215.0	BUD	18-Sep-02	< 0.0024	UDO	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	UDO
B-830-1831	220.0	BUD	18-Sep-02	< 0.0024	UDO	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	UDO
B-830-1831	225.0	BUD	18-Sep-02	< 0.0021	UDO	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	UDO
B-830-1831	230.0	BUD	18-Sep-02	< 0.0019	UDO	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	UDO
B-830-1831	235.0	BUD	18-Sep-02	< 0.0021	UDO	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	UDO
B-830-1831	240.0	BUD	18-Sep-02	< 0.002	UDO	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	UDO
B-830-1831	245.0	BUD	18-Sep-02	< 0.00094	UDO	< 0.00094	DU	< 0.00094	DU	< 0.00094	DU	< 0.00094	DU	< 0.00094	DU	< 0.00094	DU	< 0.00094	UDO
B-830-1831	250.0	BUD	18-Sep-02	< 0.0019	UDO	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	UDO
B-830-1831	255.0	BUD	18-Sep-02	< 0.0017	UDO	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	UDO
B-830-1831	258.9	BUD	18-Sep-02	< 0.001	UDO	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	DU	< 0.001	UDO
B-830-1831	259.2	DUP	18-Sep-02	< 0.003	U	< 0.003	U	< 0.003	U	< 0.005	U	< 0.003	U	< 0.003	U	< 0.003	U	< 0.003	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
B-830-1832	200.0	BUD	10-Oct-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU
B-830-1832	210.0	BUD	10-Oct-02	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU
B-830-1832	220.0	BUD	10-Oct-02	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU
B-830-1832	230.0	BUD	10-Oct-02	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU
B-830-1832	240.0	BUD	10-Oct-02	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
B-830-1832	250.0	BUD	14-Oct-02	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU
B-830-1832	260.0	BUD	14-Oct-02	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU
B-830-1832	270.0	BUD	14-Oct-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1832	280.0	BUD	14-Oct-02	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU	< 0.0022	DU
B-830-1832	290.0	DUP	14-Oct-02	< 0.0005	U	0.0022		< 0.0005	U	0.03		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
B-830-1832	290.0	BUD	14-Oct-02	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU	< 0.0025	DU
B-830-1832	300.0	BUD	14-Oct-02	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU	< 0.0024	DU
B-830-1832	310.0	BUD	14-Oct-02	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU
B-830-1832	319.7	BUD	14-Oct-02	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU
B-832-1927	25.0	BUD	5-Mar-03	< 0.0012	DU	< 0.0012	DU	< 0.0012	BDEU	0.0014	DF	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU
B-832-1927	36.4	BUD	5-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	BDEU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
B-832-1927	41.0	BUD	5-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	DEU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU
B-832-1927	50.4	BUD	5-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	DEU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU
B-832-1927	61.3	BUD	6-Mar-03	< 0.0013	DU	< 0.0013	DU	< 0.0013	BDEU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU
B-832-1927	71.5	BUD	6-Mar-03	< 0.0014	DU	< 0.0014	DU	< 0.0014	BDEU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU
B-832-1927	81.3	BUD	6-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	BDEU	0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU
B-832-1927	91.5	BUD	6-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	BDEU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU
B-832-1927	100.0	BUD	10-Mar-03	< 0.0014	DU	< 0.0014	DU	< 0.0014	BDEU	< 0.0014	BDU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU
B-832-1927	105.0	BUD	10-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU
B-832-1927	110.0	BUD	10-Mar-03	< 0.0014	DU	< 0.0014	DU	< 0.0014	BDEU	< 0.0014	BDU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU
B-832-1927	115.0	BUD	10-Mar-03	< 0.0013	DU	< 0.0013	DU	< 0.0013	BDEU	0.0016	BD	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU
B-832-1927	120.0	BUD	10-Mar-03	< 0.0012	DU	< 0.0012	DU	< 0.0012	BDEU	< 0.0012	BDU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU	< 0.0012	DU
B-832-1927	125.2	BUD	10-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	BDEU	< 0.0016	BDU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU
B-832-1927	130.5	BUD	10-Mar-03	< 0.0021	DU	< 0.0021	DU	< 0.0021	BDEU	< 0.0021	BDU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU
B-832-1927	135.5	BUD	10-Mar-03	< 0.0013	DU	< 0.0013	DU	< 0.0013	BDEU	< 0.0013	BDU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU	< 0.0013	DU
B-832-1927	140.2	BUD	10-Mar-03	< 0.0014	DU	< 0.0014	DU	< 0.0014	BDEU	< 0.0014	BDU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU
B-832-1927	144.8	BUD	10-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	BDEU	< 0.0017	BDU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-832-1927	150.1	BUD	11-Mar-03	< 0.0016	UDO	< 0.0016	UDO	< 0.0016	DU	< 0.0016	DU			< 0.0016	DU			< 0.0016	DU
B-832-1927	154.8	BUD	11-Mar-03	< 0.0013	UDO	< 0.0013	UDO	< 0.0013	DU	< 0.0013	DU			< 0.0013	DU			< 0.0013	DU
B-832-1927	160.0	BUD	11-Mar-03	< 0.0013	UDO	< 0.0013	UDO	< 0.0013	DU	< 0.0013	DU			< 0.0013	DU			< 0.0013	DU
B-832-1927	165.0	BUD	11-Mar-03	< 0.0018	UDO	< 0.0018	DOUE	< 0.0018	DU	< 0.0018	DU			< 0.0018	DU			< 0.0018	DU
B-832-1927	170.4	BUD	11-Mar-03	< 0.0017	UDO	< 0.0017	UDO	< 0.0017	DU	< 0.0017	DU			< 0.0017	DU			< 0.0017	DU
B-832-1927	175.1	BUD	11-Mar-03	< 0.0018	UDO	< 0.0018	UDO	< 0.0018	DU	< 0.0018	DU			< 0.0018	DU			< 0.0018	DU
B-832-1927	180.2	BUD	11-Mar-03	< 0.0012	UDO	< 0.0012	UDO	< 0.0012	DU	< 0.0012	DU			< 0.0012	DU			< 0.0012	DU
B-832-1927	185.0	BUD	11-Mar-03	< 0.0012	UDO	< 0.0012	UDO	< 0.0012	DU	< 0.0012	DU			< 0.0012	DU			< 0.0012	DU
B-832-1927	191.0	BUD	11-Mar-03	< 0.0014	UDO	< 0.0014	UDO	< 0.0014	DU	< 0.0014	DU			< 0.0014	DU			< 0.0014	DU
B-832-1927	195.0	BUD	11-Mar-03	< 0.0016	UDO	< 0.0016	UDO	< 0.0016	DU	< 0.0016	DU			< 0.0016	DU			< 0.0016	DU
B-832-1927	201.0	BUD	12-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU
B-832-1927	204.8	BUD	12-Mar-03	< 0.0017	DU	< 0.0017	DU	0.0031	D	0.022	D	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-832-1927	210.1	BUD	12-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
B-832-1927	215.1	BUD	12-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	0.003	D	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU
B-832-1927	215.4	DUP	12-Mar-03	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU	< 0.0014	DU
B-832-1927	220.1	BUD	12-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-832-1927	220.4	DUP	12-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
B-832-1927	225.0	BUD	12-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
B-832-1927	225.3	DUP	12-Mar-03	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU	< 0.0021	DU
B-832-1927	230.0	BUD	12-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-832-1927	235.1	BUD	12-Mar-03	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU	< 0.0015	DU
B-832-1927	240.2	BUD	12-Mar-03	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU
B-832-1927	240.5	DUP	12-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-832-1927	244.9	BUD	12-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
B-832-1927	250.0	BUD	12-Mar-03	< 0.0016	DU	< 0.0016	DEU	< 0.0016	DEU	0.0043	D	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU
B-832-1927	255.0	BUD	13-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-832-1927	259.9	BUD	13-Mar-03	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU
B-832-1927	265.2	BUD	13-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU
B-832-1927	271.0	BUD	13-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-832-1927	271.3	DUP	13-Mar-03	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU	< 0.0019	DU
B-832-1927	275.9	BUD	13-Mar-03	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU	< 0.0023	DU
B-832-1927	280.8	BUD	13-Mar-03	< 0.002	DU	< 0.002	DUE	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU	< 0.002	DU
B-832-1927	285.7	BUD	13-Mar-03	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU	< 0.0017	DU
B-832-1927	291.2	BUD	13-Mar-03	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU	< 0.0016	DU
B-832-1927	297.3	BUD	13-Mar-03	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU	< 0.0018	DU
W-4C	103.5	BSS	6-Aug-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	112.5	BSS	6-Aug-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	122.8	BSS	6-Aug-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	130.8	BSS	6-Aug-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	140.0	BSS	6-Aug-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	150.5	BSS	7-Aug-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	158.5	BSS	7-Aug-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-4C	172.0	BSS	7-Aug-91									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	106.6	BSS	21-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	122.0	BSS	21-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	126.5	BSS	21-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	137.8	BSS	27-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	146.5	BSS	27-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	156.3	BSS	27-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	166.5	BSS	27-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	175.4	BSS	27-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	193.4	BSS	28-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	202.4	BSS	28-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	208.0	BSS	28-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	218.9	BSS	28-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	228.6	BSS	28-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	237.3	BSS	28-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	248.4	BSS	28-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-814-04	255.0	BSS	29-Nov-90									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-05	24.9	BSS	8-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-05	40.0	BSS	10-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-07	4.5	BSS	28-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-07	10.0	BSS	28-Oct-85									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	5.3	BSS	20-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	11.0	BSS	20-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	15.5	BSS	20-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-10	20.5	BSS	20-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	25.3	BSS	20-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	30.5	BSS	20-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	33.8	BSS	20-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	36.7	BSS	20-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	38.8	BSS	20-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	46.7	BSS	25-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	51.5	BSS	25-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	55.3	BSS	25-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	60.2	BSS	26-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-10	68.5	BSS	26-Feb-92									< 0.0002	P	< 0.0002	P	< 0.0002	P	< 0.0002	P
W-830-12	1.2	BUD	30-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	6.3	BUD	30-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	6.5	BUD	30-Aug-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	10.5	BUD	30-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	15.3	BUD	30-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	15.3	DUP	30-Aug-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-830-12	15.9	BUD	30-Aug-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	20.0	BUD	30-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	43.0	BUD	31-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	46.7	BUD	31-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	49.0	BUD	31-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	55.0	BUD	31-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	63.6	BUD	1-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	70.1	BUD	1-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	72.2	BUD	1-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	81.0	BUD	1-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	89.6	BUD	1-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	93.4	BUD	1-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	97.5	DUP	6-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	97.5	BUD	6-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	104.0	BUD	6-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	106.6	BUD	6-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	114.2	BUD	6-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	124.2	BUD	6-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	128.0	BUD	6-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	133.2	BUD	6-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	145.0	BUD	27-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	151.0	BUD	27-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	161.0	BUD	27-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	171.0	BUD	27-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	181.0	BUD	28-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	191.0	BUD	28-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-12	201.0	BUD	28-Sep-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	0.0	BUD	8-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	0.0	DUP	8-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	0.0	BUD	8-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	0.0	DUP	8-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	13.7	BUD	8-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-13	13.7	BUD	8-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	16.6	BUD	8-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	16.6	BUD	8-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	21.3	BUD	8-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	21.3	BUD	8-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	26.6	BUD	9-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	26.6	BUD	9-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	32.0	BUD	9-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	32.0	BUD	9-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	37.2	BUD	9-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	37.2	BUD	9-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	41.5	BUD	10-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	41.5	BUD	10-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	47.3	BUD	10-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	47.3	BUD	10-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	51.9	BUD	10-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-13	51.9	BUD	10-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	55.8	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	55.8	DUP	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	60.1	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	60.1	DUP	28-Nov-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-830-14	64.5	BUD	28-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	72.6	BUD	29-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	74.6	BUD	29-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	80.2	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	85.6	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	89.6	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	95.2	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	101.4	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	105.4	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	111.8	BUD	1-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	115.4	BUD	5-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-14	120.0	BUD	5-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	5.9	BUD	8-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	126.7	BUD	14-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	135.8	BUD	14-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	146.5	BUD	14-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	156.0	BUD	15-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	167.9	BUD	15-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	177.5	BUD	15-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	177.5	DUP	14-Dec-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-830-15	185.0	BUD	15-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-15	203.0	BUD	15-Dec-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	1.0	BUD	3-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	1.0	BUD	3-Oct-95	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	1.3	BUD	3-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	1.3	BUD	3-Oct-95	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	4.5	BUD	3-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	4.5	BUD	3-Oct-95	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-16	10.3	BUD	3-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	10.3	BUD	3-Oct-95	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	20.0	BUD	3-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	20.0	BUD	3-Oct-95	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	30.0	BUD	3-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	30.0	BUD	3-Oct-95	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	40.0	BUD	4-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	40.0	BUD	4-Oct-95	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	51.7	BUD	4-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	51.7	BUD	4-Oct-95	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	69.6	BUD	4-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	69.6	BUD	4-Oct-95	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	79.5	BUD	4-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	79.5	BUD	4-Oct-95	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	97.9	BUD	5-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	109.0	BUD	5-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	109.0	DUP	5-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	126.3	BUD	9-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	132.9	BUD	9-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	158.2	BUD	9-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	169.9	BUD	9-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	177.9	BUD	10-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	187.4	BUD	10-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	199.2	BUD	10-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	209.6	BUD	10-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	213.2	BUD	10-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	226.7	BUD	10-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	233.8	BUD	10-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	243.8	BUD	10-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	253.4	BUD	11-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-16	265.6	BUD	11-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	0.0	BUD	3-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	5.5	BUD	3-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	10.3	BUD	3-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	17.3	BUD	3-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	17.3	BUD	3-Apr-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	52.2	BUD	4-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	70.6	BUD	4-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	101.7	BUD	10-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	113.8	BUD	10-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	123.5	BUD	10-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	136.5	DUP	10-Apr-96									< 0.0004	U	< 0.0007	U	< 0.0007	U	< 0.0009	U
W-830-18	136.5	BUD	10-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	147.0	BUD	11-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	155.2	BUD	11-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-18	165.5	BUD	11-Apr-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	5.5	BUD	3-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	10.5	BUD	3-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	16.8	BUD	3-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-19	16.8	BUD	3-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	22.4	BUD	4-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	UO
W-830-19	22.4	BUD	4-Jun-96	< 0.0005	UO	< 0.0005	UO	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	UO
W-830-19	27.0	BUD	5-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	27.0	BUD	5-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	34.0	BUD	5-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	34.0	BUD	5-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	37.2	BUD	5-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	37.2	BUD	5-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	40.3	BUD	6-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	40.3	BUD	6-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-19	40.8	DUP	6-Jun-96	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0021	U	< 0.0006	U	< 0.00039	U	< 0.00045	U	< 0.0003	U
W-830-20	0.0	BUD	13-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	0.0	BUD	13-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	7.5	BUD	13-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	7.5	BUD	13-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	18.0	BUD	13-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	18.0	BUD	13-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	24.3	BUD	13-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	24.3	BUD	13-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	38.0	BUD	17-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	50.2	BUD	18-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	54.9	BUD	18-Jun-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	58.3	BUD	18-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	68.1	BUD	18-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	78.8	BUD	24-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	83.2	BUD	24-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	88.8	BUD	26-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	93.2	BUD	26-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	99.1	BUD	26-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	104.3	BUD	26-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	108.9	BUD	26-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	113.0	BUD	26-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	120.8	BUD	26-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	124.0	BUD	26-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	128.9	BUD	26-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-20	134.0	BUD	26-Jun-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	36.7	BUD	15-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	37.0	BUD	15-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	40.6	BUD	15-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	40.9	BUD	15-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	45.5	BUD	15-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	45.8	BUD	15-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	50.6	BUD	15-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	55.3	BUD	18-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	60.0	BUD	18-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	65.1	BUD	18-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	71.5	BUD	18-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	75.2	BUD	22-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-22	80.7	DUP	22-Jul-96									< 0.0004	U	< 0.0007	U	< 0.0007	U	< 0.0009	U
W-830-22	80.7	BUD	22-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	85.0	BUD	22-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	90.3	BUD	22-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	95.0	BUD	22-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	99.7	BUD	22-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	103.3	BUD	22-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	111.0	BUD	22-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-22	117.0	BUD	22-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-25	0.0	BUD	6-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-25	0.0	BUD	6-Aug-96	< 0.0005	UJ	< 0.0005	UJ	< 0.0005	UJ	< 0.001	UJ	< 0.0005	UJ	< 0.0005	UJ	< 0.0005	UJ	< 0.0005	UJ
W-830-25	5.9	BUD	6-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-25	5.9	BUD	6-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-25	10.0	BUD	6-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-25	10.0	BUD	6-Aug-96	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-25	15.0	BUD	6-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-25	21.1	BUD	6-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	5.7	BUD	30-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	12.3	BUD	30-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	16.5	BUD	30-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	19.0	BUD	30-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	24.3	BUD	30-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	30.3	BUD	30-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	34.8	BUD	30-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	42.0	BUD	31-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	44.5	BUD	31-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	52.5	BUD	31-Jul-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	56.2	BUD	7-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	61.7	BUD	7-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	65.7	BUD	7-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	72.0	BUD	12-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	75.5	BUD	12-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	81.5	BUD	12-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	87.3	BUD	13-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	91.7	BUD	13-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-26	95.0	BUD	13-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-27	21.5	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-27	28.2	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-27	28.5	DUP	20-Aug-96									< 0.0004	U	< 0.0007	U	< 0.0007	U	< 0.0009	U
W-830-27	34.0	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-27	37.5	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	45.2	BUD	5-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	50.3	BUD	5-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	53.8	BUD	5-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	59.7	BUD	5-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	65.0	BUD	5-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	69.8	BUD	5-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	73.3	BUD	5-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	79.6	BUD	5-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg RESULT	FLAG	Toluene mg/kg RESULT	FLAG	Ethyl-benzene mg/kg RESULT	FLAG	Total xylenes mg/kg RESULT	FLAG	1,2 Dichloro-benzene mg/kg RESULT	FLAG	1,3 Dichloro-benzene mg/kg RESULT	FLAG	1,4 Dichloro-benzene mg/kg RESULT	FLAG	Chloro-benzene mg/kg RESULT	FLAG
W-830-28	85.2	BUD	9-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	87.2	BUD	9-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	87.5	DUP	9-Sep-96									< 0.0004	U	< 0.0007	U	< 0.0007	U	< 0.0009	U
W-830-28	92.8	BUD	9-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	97.2	BUD	9-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	97.5	DUP	9-Sep-96									< 0.0004	U	< 0.0007	U	< 0.0007	U	< 0.0009	U
W-830-28	104.5	BUD	9-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	109.5	BUD	9-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-28	111.3	BUD	9-Sep-96									< 0.0005	IUJ	< 0.0005	IUJ	< 0.0005	IUJ	< 0.0005	IUJ
W-830-29	9.7	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	22.0	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	26.3	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	29.7	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	35.0	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	39.2	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	45.5	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	50.5	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	52.5	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	54.0	BUD	20-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	104.9	BUD	30-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	111.3	BUD	30-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	116.0	BUD	31-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	121.1	BUD	31-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	124.7	BUD	31-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	130.0	BUD	31-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	134.6	DUP	31-Oct-96									< 0.0004	U	< 0.0007	U	< 0.0007	U	< 0.0009	U
W-830-29	134.6	BUD	31-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	139.8	BUD	31-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	145.4	BUD	31-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	149.4	BUD	31-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	153.8	BUD	31-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-29	164.5	BUD	31-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-30	26.0	BUD	17-Sep-96	< 0.0004	U														
W-830-49	4.6	BUD	27-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-49	8.2	BUD	27-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-49	13.0	BUD	28-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-49	18.0	BUD	28-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-49	26.4	BUD	28-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-49	31.8	BUD	28-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-49	36.8	BUD	28-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-49	41.5	BUD	28-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-49	43.4	BUD	28-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	5.0	BUD	11-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	10.0	BUD	11-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	25.0	BUD	11-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	30.6	BUD	17-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	35.0	BUD	17-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	39.9	BUD	17-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	45.0	BUD	17-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-50	50.0	BUD	17-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	55.0	BUD	17-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	60.0	BUD	18-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	65.0	BUD	18-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	70.0	BUD	18-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-50	74.6	BUD	18-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-51	5.0	BUD	3-Mar-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-51	10.0	BUD	3-Mar-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-51	15.0	BUD	3-Mar-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-51	21.0	BUD	4-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-51	24.5	BUD	4-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-51	30.0	BUD	10-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-51	35.0	BUD	10-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-51	40.2	BUD	10-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-51	45.2	BUD	10-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-51	49.9	BUD	10-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-51	52.3	BUD	10-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-51	60.2	BUD	10-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	5.0	BUD	17-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	8.7	BUD	17-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	14.1	BUD	17-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	17.0	BUD	17-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	22.4	BUD	17-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	27.0	BUD	17-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	30.0	BUD	22-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	35.2	BUD	22-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	40.0	BUD	22-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	45.0	BUD	22-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	50.0	BUD	22-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-52	54.7	BUD	22-Mar-99									< 0.00073	U	< 0.00089	U	< 0.00117	U	< 0.00119	U
W-830-53	7.7	BUD	19-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-53	10.0	BUD	19-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-53	19.0	BUD	19-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-53	24.0	BUD	19-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-53	28.5	BUD	21-Apr-99	< 0.0005	U	< 0.0005	U	< 0.0005	U										
W-830-53	28.5	DUP	21-Apr-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-53	42.0	BUD	22-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-53	53.0	BUD	22-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-53	57.5	BUD	22-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-53	65.0	BUD	22-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-53	70.0	BUD	22-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	0.0006		< 0.00024	U
W-830-53	75.0	BUD	22-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-53	80.0	BUD	22-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-53	85.0	BUD	22-Apr-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-54	5.0	BUD	3-May-99	< 0.005	U	< 0.005	UE	< 0.005	U	< 0.01	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-830-54	10.0	BUD	3-May-99	< 0.005	U	< 0.005	U	< 0.005	U	< 0.01	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-830-54	15.0	BUD	3-May-99	< 0.005	U	< 0.005	U	< 0.005	U	< 0.01	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-830-54	20.0	BUD	3-May-99	< 0.005	U	< 0.005	U	< 0.005	U	< 0.01	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-830-54	40.0	BUD	5-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-54	45.0	BUD	5-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-54	50.0	BUD	5-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-54	55.0	BUD	5-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-54	65.0	BUD	5-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-54	70.0	BUD	6-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	LOU	< 0.00024	U
W-830-54	75.0	BUD	6-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	LOU	< 0.00024	U
W-830-54	75.0	DUP	6-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-54	85.0	BUD	6-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	LOU	< 0.00024	U
W-830-54	90.0	BUD	6-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	LOU	< 0.00024	U
W-830-54	95.0	BUD	6-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	LOU	< 0.00024	U
W-830-54	100.0	BUD	6-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	LOU	< 0.00024	U
W-830-54	105.0	BUD	6-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	LOU	< 0.00024	U
W-830-55	5.0	BUD	18-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	10.0	BUD	18-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	15.0	BUD	18-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	20.0	BUD	18-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	25.0	BUD	18-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	30.0	BUD	18-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	35.0	BUD	18-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	40.0	BUD	18-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	45.0	BUD	19-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	50.0	BUD	19-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	55.0	BUD	19-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	60.0	BUD	19-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	60.0	DUP	19-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	65.0	BUD	19-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	70.0	BUD	19-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	75.0	BUD	19-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	80.0	BUD	19-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	< 0.00022	U	< 0.00024	U
W-830-55	85.0	BUD	19-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	0.00051		< 0.00024	U
W-830-55	90.0	BUD	19-May-99	< 0.00015	U	< 0.00024	U	< 0.00015	U	< 0.00039	U	< 0.00012	U	< 0.00015	U	0.0005		< 0.00024	U
W-830-55	95.0	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	100.0	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	105.0	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	110.0	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	115.0	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00051		< 0.0005	U
W-830-55	120.0	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.00053		< 0.0005	U
W-830-55	125.0	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0005		< 0.0005	U
W-830-55	130.0	BUD	20-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	135.0	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	140.0	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	140.0	DUP	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0022	B	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	145.0	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	150.0	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	155.0	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	160.0	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	165.0	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	170.0	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-55	175.0	BUD	24-May-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-56	10.0	BUD	3-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	15.0	BUD	3-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	20.0	BUD	3-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	25.0	BUD	3-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	30.0	BUD	3-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	35.0	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	40.0	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	45.0	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	50.0	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	55.0	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	60.0	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	65.0	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	70.0	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	75.0	BUD	4-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	80.0	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	80.0	DUP	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	85.0	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	90.0	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	95.0	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	100.0	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	105.0	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	110.0	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	110.0	DUP	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-56	115.0	BUD	7-Jun-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	30.0	BUD	15-Nov-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	35.0	BUD	15-Nov-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	40.0	BUD	15-Nov-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	44.5	BUD	15-Nov-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	50.0	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	55.0	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	60.0	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	65.0	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	70.0	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	75.0	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-57	79.5	BUD	22-Nov-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-58	5.0	BUD	2-Dec-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-58	10.0	BUD	2-Dec-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-58	15.0	BUD	2-Dec-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-58	20.0	BUD	2-Dec-99	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	5.0	BUD	1-Mar-00	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	10.5	BUD	1-Mar-00	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	15.5	BUD	1-Mar-00	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	20.6	BUD	1-Mar-00	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	OU	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	25.5	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	30.0	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	35.0	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	40.0	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	45.0	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	50.0	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-59	55.0	BUD	2-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	60.7	DUP	6-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-59	60.7	BUD	6-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	5.0	BUD	23-Feb-00	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU
W-830-60	10.0	BUD	23-Feb-00	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU
W-830-60	30.0	BUD	24-Feb-00	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU
W-830-60	35.0	BUD	24-Feb-00	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU
W-830-60	40.0	BUD	24-Feb-00	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU	< 0.0005	LOU
W-830-60	50.0	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	55.0	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	60.0	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	65.0	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	70.0	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	75.0	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	79.5	BUD	28-Feb-00	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU	< 0.0005	OU
W-830-60	90.5	BUD	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	96.0	BUD	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	101.0	DUP	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	101.0	BUD	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	105.0	BUD	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	110.0	BUD	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	119.4	DUP	7-Mar-00	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-830-60	119.4	BUD	7-Mar-00	< 0.0005	U	0.0012		< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	0.6	BUD	17-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	0.6	BUD	17-Aug-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	1.3	BUD	17-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	1.6	BUD	17-Aug-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	5.5	BUD	18-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	5.7	BUD	18-Aug-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	16.0	BUD	18-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	16.3	BUD	18-Aug-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	20.3	BUD	18-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	20.3	DUP	18-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	24.5	BUD	18-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	29.5	BUD	18-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	32.0	BUD	18-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	38.2	BUD	19-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	40.0	BUD	19-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-01	40.0	DUP	19-Aug-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-832-05	1.3	BUD	10-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	5.3	BUD	10-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	5.5	BUD	10-Oct-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	10.5	BUD	10-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	10.5	BUD	10-Oct-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	15.5	BUD	10-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	15.8	BUD	10-Oct-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	20.5	BUD	10-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	25.5	BUD	10-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	30.5	BUD	10-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-05	35.5	BUD	11-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	35.5	DUP	11-Oct-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-832-05	37.0	BUD	11-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	37.0	DUP	11-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	38.5	BUD	12-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-05	38.5	DUP	12-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	1.75	BUD	21-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	5.75	BUD	21-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	5.75	BUD	21-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	10.25	BUD	21-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	10.25	BUD	21-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	15.0	BUD	21-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	15.0	BUD	21-Nov-94	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	20.5	BUD	21-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	20.75	BUD	21-Nov-94									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-832-06	26.0	BUD	21-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	31.0	BUD	21-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	35.75	BUD	21-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	40.0	BUD	21-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	45.2	BUD	21-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	50.0	BUD	22-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-06	53.5	BUD	22-Nov-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	37.0	BUD	29-Aug-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	45.5	BUD	12-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	50.3	BUD	12-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	55.5	BUD	12-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	63.6	BUD	12-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	65.3	BUD	12-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	73.7	BUD	12-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	76.5	BUD	12-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	85.0	BUD	24-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	95.0	BUD	24-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	100.0	BUD	24-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	105.8	BUD	25-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	116.5	BUD	25-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	122.3	BUD	25-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	125.0	BUD	25-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	171.7	BUD	25-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	179.5	BUD	27-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-09	187.5	BUD	27-Oct-94									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-10	29.1	BUD	9-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-10	33.0	BUD	9-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-10	34.7	BUD	9-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-11	27.2	BUD	20-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-11	32.2	BUD	21-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-11	36.0	BUD	21-Oct-97									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	5.0	BUD	4-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	5.5	BUD	8-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	10.0	BUD	4-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg RESULT	FLAG	Toluene mg/kg RESULT	FLAG	Ethyl-benzene mg/kg RESULT	FLAG	Total xylenes mg/kg RESULT	FLAG	1,2 Dichloro-benzene mg/kg RESULT	FLAG	1,3 Dichloro-benzene mg/kg RESULT	FLAG	1,4 Dichloro-benzene mg/kg RESULT	FLAG	Chloro-benzene mg/kg RESULT	FLAG
W-832-12	11.0	BUD	8-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	15.0	BUD	4-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	16.0	BUD	8-Aug-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	20.0	BUD	4-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	25.0	BUD	9-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	29.5	BUD	9-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-12	35.5	BUD	10-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	4.5	BUD	10-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	10.0	BUD	10-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	14.5	BUD	11-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	18.5	BUD	11-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	19.5	BUD	11-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	22.0	BUD	11-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	24.5	BUD	11-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-13	27.5	BUD	12-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-14	5.0	BUD	12-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-14	7.5	BUD	17-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-14	10.0	BUD	17-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-14	12.5	BUD	17-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-14	15.0	BUD	17-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-14	17.5	BUD	17-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-14	20.0	BUD	17-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-14	22.5	BUD	17-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-14	25.0	BUD	17-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	5.0	BUD	19-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	7.5	BUD	19-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	10.0	BUD	20-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	12.5	BUD	20-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	14.5	BUD	20-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	17.5	BUD	20-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	19.5	BUD	23-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	21.5	BUD	23-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	23.5	BUD	23-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-15	24.5	BUD	23-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-16	12.5	BUD	23-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-16	16.7	BUD	24-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-16	17.5	BUD	24-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-17	12.0	BUD	24-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-17	14.0	BUD	24-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-17	15.5	BUD	24-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-17	17.2	BUD	25-Feb-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	5.0	BUD	3-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	7.0	BUD	3-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	10.0	BUD	3-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	12.5	BUD	3-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	15.0	BUD	3-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	17.5	BUD	3-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	20.5	BUD	3-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-18	22.5	BUD	3-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg RESULT	FLAG	Toluene mg/kg RESULT	FLAG	Ethyl-benzene mg/kg RESULT	FLAG	Total xylenes mg/kg RESULT	FLAG	1,2 Dichloro-benzene mg/kg RESULT	FLAG	1,3 Dichloro-benzene mg/kg RESULT	FLAG	1,4 Dichloro-benzene mg/kg RESULT	FLAG	Chloro-benzene mg/kg RESULT	FLAG
W-832-18	25.0	BUD	3-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	5.0	BUD	4-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	7.5	BUD	4-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	10.0	BUD	4-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	12.5	BUD	4-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	15.0	BUD	4-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	17.5	BUD	4-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	20.0	BUD	4-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	20.3	BUD	4-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	22.5	BUD	4-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-19	25.0	BUD	4-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-20	5.0	BUD	5-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-20	7.5	BUD	5-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-20	10.0	BUD	5-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-20	12.5	BUD	5-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-20	14.5	BUD	5-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-20	17.5	BUD	5-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-20	20.0	BUD	5-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-20	22.5	BUD	5-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-20	25.0	BUD	5-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-21	5.0	BUD	9-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-21	15.0	BUD	9-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	5.0	BUD	12-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	9.5	BUD	12-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	12.0	DUP	4-Oct-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	14.5	BUD	12-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	17.0	BUD	12-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	20.0	BUD	16-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	25.0	BUD	16-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	30.0	BUD	16-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	32.5	BUD	16-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	35.0	BUD	16-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	40.0	BUD	16-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	45.0	BUD	16-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	50.0	BUD	16-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-22	55.0	BUD	16-Mar-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-23	5.5	BUD	23-Nov-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-23	10.3	BUD	23-Nov-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-23	15.2	BUD	23-Nov-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-23	20.8	BUD	24-Nov-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-23	25.5	BUD	24-Nov-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-23	30.5	BUD	24-Nov-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-23	35.6	BUD	24-Nov-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-23	40.4	BUD	24-Nov-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-23	45.5	BUD	24-Nov-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-23	50.2	BUD	24-Nov-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-23	55.5	BUD	24-Nov-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	5.0	BUD	22-Dec-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-24	10.0	BUD	22-Dec-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	15.0	BUD	22-Dec-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	20.0	BUD	22-Dec-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	25.0	BUD	22-Dec-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	30.0	BUD	22-Dec-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	35.0	BUD	22-Dec-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	40.0	BUD	23-Dec-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	44.8	BUD	23-Dec-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-24	50.0	BUD	28-Dec-98									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-25	6.0	BUD	2-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-25	11.0	BUD	2-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-25	16.0	BUD	2-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-25	20.0	BUD	2-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-25	25.5	BUD	2-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-25	30.0	BUD	2-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-25	36.0	BUD	2-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-832-25	41.0	BUD	2-Feb-99									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	2.0	BUD	25-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	2.0	BUD	25-Oct-95	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.001	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	13.5	BUD	25-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	20.0	BUD	25-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	30.0	BUD	26-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	32.0	BUD	26-Oct-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	40.0	BUD	1-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	40.5	DUP	1-Nov-95									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-880-01	50.0	BUD	1-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	60.0	BUD	1-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	70.0	BUD	1-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	80.0	BUD	1-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	90.0	BUD	2-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	90.5	DUP	2-Nov-95									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-880-01	101.0	BUD	2-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	112.5	BUD	2-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	120.0	BUD	2-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	130.0	BUD	2-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	140.0	BUD	2-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	140.6	DUP	2-Nov-95									< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
W-880-01	152.5	BUD	6-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
W-880-01	162.6	BUD	6-Nov-95									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
SVI-830-032	12.0	BUD	18-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
SVI-830-033	6.0	BUD	18-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
SVI-830-035	6.0	BUD	20-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
SVI-830-035	26.0	BUD	20-Sep-96									< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
SVV-832-012	5.5	BUD	8-Aug-96															< 0.001	U
SVV-832-012	11.0	BUD	8-Aug-96															< 0.001	U
SVV-832-012	16.0	BUD	8-Aug-96															< 0.001	U
SVV-832-013	6.0	BUD	9-Aug-96															< 0.001	U
SVV-832-013	11.0	BUD	9-Aug-96															< 0.001	U
SVV-832-013	16.0	BUD	9-Aug-96															< 0.001	U

Table A-20. Aromatic hydrocarbons in soil and rock (mg/kg), Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	Benzene mg/kg		Toluene mg/kg		Ethyl-benzene mg/kg		Total xylenes mg/kg		1,2 Dichloro-benzene mg/kg		1,3 Dichloro-benzene mg/kg		1,4 Dichloro-benzene mg/kg		Chloro-benzene mg/kg	
				RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
SVV-832-013	21.0	BUD	9-Aug-96															< 0.001	U
SVV-832-014	6.0	BUD	9-Aug-96															< 0.001	U
SVV-832-014	11.0	BUD	9-Aug-96															< 0.001	U
SVV-832-014	16.0	BUD	9-Aug-96															< 0.001	U
SVV-832-014	21.0	BUD	9-Aug-96															< 0.001	U
3SS-21-01	0.0	RTN	18-Sep-91	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P
3SS-28-01	0.0	RTN	26-Sep-91	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P
3SS-31-01	0.0	RTN	26-Sep-91	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P	< 0.005	P

Table A-21. Fuel hydrocarbons in ground water and surface water (ug/L), Building 832 Canyon OU.

			Gasoline Fingerprint ug/L			TPH as Diesel ug/L			Tetra (2-ethylbutoxy) silane ug/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG		RESULT	FLAG		RESULT	FLAG
W-830-13	SLI	20-Jun-02			<	50	U			
W-830-19	RTN	6-Mar-97			<	50	U			
W-830-19	RTN	25-Jun-97			<	50	U			
W-830-19	RTN	9-Sep-97			<	50	U			
W-830-19	RTN	26-Nov-97			<	50	ULO			
W-830-19	RTN	24-Feb-98			<	50	U			
W-830-19	RTN	28-May-98			<	50	U			
W-830-49	RTN	15-Jun-98			<	50	U			
W-832-10	RTN	15-Jun-98			<	50	U			
W-832-18	RTN	24-Mar-98	< 50	U						
W-832-18	RTN	24-Mar-98				190				
W-832-18	RTN	24-Mar-98						<	100	U
W-832-19	RTN	24-Mar-98	< 50	U						
W-832-19	RTN	24-Mar-98			<	50	U			
W-832-19	RTN	24-Mar-98						<	100	U
W-832-20	RTN	24-Mar-98	< 50	U						
W-832-20	RTN	24-Mar-98				100				
W-832-20	RTN	24-Mar-98						<	100	U
W-832-21	RTN	24-Mar-98	< 50	U						
W-832-21	RTN	24-Mar-98				69				
W-832-21	RTN	24-Mar-98						<	100	U
W-880-01	RTN	24-Jan-96			<	50	U			
W-880-01	RTN	21-Jun-02			<	50	U			
W-880-02	RTN	29-Jan-96			<	50	U			
W-880-03	RTN	24-Jan-96			<	50	U			
W-880-03	DUP	24-Jan-96			<	50	U			
W-880-03	RTN	21-Jun-02			<	50	U			

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-35B-01	RTN	20-Nov-97	0.35				14		140	D	250	D	< 1	U	290		920				1300		7.5	
W-35B-01	RTN	22-Jun-98					10																	
W-35B-01	RTN	24-Sep-98					11																	
W-35B-01	RTN	3-Dec-98					15																	
W-35B-01	RTN	3-Dec-98	0.27				15		140		321		< 5	U	308		1030				1590		7.69	
W-35B-01	RTN	19-Feb-99					16																	
W-35B-01	RTN	11-Mar-99					14																	
W-35B-01	RTN	14-Jun-99					< 0.5	SU																
W-35B-01	RTN	27-Aug-99					3.5	S																
W-35B-01	RTN	10-Dec-99					< 0.5	HU																
W-35B-01	RTN	4-Feb-00					0.9																	
W-35B-01	RTN	31-May-00					0.5																	
W-35B-01	RTN	25-Jul-00					1																	
W-35B-01	RTN	26-Oct-00					< 0.1	U																
W-35B-01	RTN	23-Jan-01					< 0.4	U																
W-35B-01	RTN	14-May-01					< 0.4	U																
W-35B-01	RTN	19-Jul-01					< 0.4	U																
W-35B-01	RTN	25-Oct-01					< 0.4	U																
W-35B-01	RTN	23-Jan-02					< 0.1	U																
W-35B-01	RTN	20-May-02					< 0.1	U																
W-35B-01	RTN	20-Aug-02					23																	
W-35B-01	RTN	14-Mar-03					< 0.1	U																
W-35B-01	RTN	15-Jul-03					< 0.1	U																
W-35B-01	RTN	10-Oct-03					< 0.1	OU																
W-35B-01	RTN	23-Feb-04					7.2																	
W-35B-01	RTN	20-Apr-04					< 0.1	U																
W-35B-01	RTN	12-Jul-04					< 0.1	LU																
W-35C-06	RTN	8-Jan-91							150	P	460	P	< 1	P	280	P	1100	P			1700	P	7.6	P
W-35C-06	RTN	13-May-91							120	P	370	P	< 1	P	260	P	1000	P			1480	P	6.6	P
W-35C-06	RTN	13-May-91	24	P																				
W-35C-06	RTN	18-Jun-99					< 0.5	LOSU																
W-35C-06	RTN	28-Oct-03					< 0.1	U																
W-35C-06	RTN	29-Jul-04					4.6																	
W-4C	RTN	10-Mar-92							210	P	280	P	180	P	1	P	1300	P			2650	P	12	P
W-4C	RTN	10-Mar-92	61	P																				
W-4C	RTN	25-Oct-01					< 0.4	U																
W-4C	RTN	5-Jun-02					< 0.1	U																
W-4C	RTN	28-Mar-03					< 0.1	U																
W-4C	RTN	5-Feb-04					19																	
W-6BS	RTN	10-Mar-88											< 1	P	330	P								
W-6BS	RTN	10-Mar-88							220	P	270	P					1040	P			1700	P	7.2	P
W-6BS	RTN	3-Nov-88											< 1	P	330	P								
W-6BS	RTN	3-Nov-88							190	P	340	P					1000	P			1720	P	7.7	P
W-6BS	RTN	3-Dec-98					27	D																
W-6BS	RTN	28-Oct-03					< 0.1	U																
W-6BS	DUP	17-Aug-04					14	D																
W-6BS	RTN	17-Aug-04					13																	
W-6ES	RTN	4-Nov-88											< 1	P	280	P								
W-6ES	RTN	4-Nov-88							140	P	430	P					1100	P			1710	P	7.6	P
W-6ES	RTN	13-May-91							130	P	350	P	< 1	P	270	P	1000	P			1500	P	7.6	P
W-6ES	RTN	13-May-91	24	P																				
W-6ES	RTN	14-Jun-99							130	D														
W-6ES	RTN	29-Oct-03					< 0.1	U																
W-6ES	RTN	18-Aug-04					6.9																	

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-814-04	RTN	3-May-94	0.41				< 22.15	DU	270	D	390	D	< 1	U	380		1600				1980		6.3	
W-814-04	RTN	3-May-94			56																			
W-814-04	RTN	6-Dec-94			51																			
W-814-04	RTN	6-Dec-94	0.67	J			< 2.215	U	470	D	290	D	< 1	U	290		1300				2000		7.5	
W-814-04	RTN	14-Jun-99							300	D														
W-814-04	RTN	18-Nov-03					< 0.1	U																
W-814-04	RTN	24-Aug-04					0.2																	
W-830-04A	RTN	18-Oct-88											8	P	162	P								
W-830-04A	RTN	18-Oct-88							220	P	120	P					780	P			1440	P	8	P
W-830-04A	RTN	21-Feb-95					79.74	DL																
W-830-04A	RTN	12-May-95					78	D																
W-830-04A	RTN	21-Jul-95					83	D																
W-830-04A	RTN	30-Nov-95					68	D																
W-830-04A	RTN	25-Jan-96					74	D																
W-830-04A	RTN	12-Jun-96					86	LO																
W-830-04A	RTN	23-Aug-96					82	O																
W-830-04A	RTN	11-Dec-96					62	D																
W-830-04A	RTN	25-Feb-97					75	D																
W-830-04A	RTN	13-Jun-97					61																	
W-830-04A	RTN	20-Aug-97					75.3	D																
W-830-04A	RTN	14-Nov-97					80	D																
W-830-04A	RTN	20-Feb-98					80	D																
W-830-04A	RTN	29-May-98					83	D																
W-830-04A	RTN	29-Sep-98					76																	
W-830-04A	RTN	23-Dec-98					70	D																
W-830-04A	RTN	23-Feb-99					81	D																
W-830-04A	RTN	29-Jun-99					58	D																
W-830-04A	RTN	27-Sep-99					46	D																
W-830-04A	RTN	15-Dec-99					80	D																
W-830-04A	RTN	2-Feb-00					81	D																
W-830-04A	RTN	21-Jun-00					43.7																	
W-830-04A	RTN	3-May-01					70.9	D																
W-830-04A	RTN	27-Sep-01																			1400			
W-830-04A	DUP	6-Jun-02					60																	
W-830-04A	RTN	6-Jun-02					36	D													1600			
W-830-04A	RTN	14-Mar-03					77.6																	
W-830-04A	RTN	10-Feb-04					75.4																	
W-830-04A	DUP	10-Feb-04					75.3																	
W-830-05	RTN	18-Oct-88											10	P	170	P								
W-830-05	RTN	18-Oct-88							150	P	98	P					620	P			1160	P	8.3	P
W-830-05	RTN	23-Feb-95					48.73	D																
W-830-05	RTN	11-May-95					33	D																
W-830-05	RTN	19-Jul-95					70																	
W-830-05	RTN	1-Dec-95					65	D																
W-830-05	RTN	22-Jan-96					62	D																
W-830-05	RTN	10-Jun-96					74	D																
W-830-05	RTN	23-Aug-96					67	O																
W-830-05	RTN	16-Dec-96					58	D																
W-830-05	RTN	21-Feb-97					66	D																
W-830-05	RTN	16-Jun-97					68	D																
W-830-05	RTN	19-Aug-97					85.1	D																
W-830-05	RTN	14-Nov-97					58	D																
W-830-05	RTN	19-Feb-98					66	D																
W-830-05	RTN	22-May-98					76	DL																

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L)	RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-830-05	RTN	29-Sep-98					86																		
W-830-05	RTN	28-Dec-98					84	D																	
W-830-05	RTN	28-Dec-98	0.44				79	D	184		92		<	5	U	177		1260				1300		8.08	
W-830-05	DUP	28-Dec-98					79	D																	
W-830-05	DUP	28-Dec-98	0.44				79	D	183		93		<	5	U	175		805				1280		8.15	
W-830-05	RTN	23-Feb-99					81	D																	
W-830-05	RTN	29-Jun-99					86	D																	
W-830-05	RTN	16-Sep-99					86	D																	
W-830-05	RTN	15-Dec-99					71	D																	
W-830-05	RTN	28-Jan-00					69	D																	
W-830-05	RTN	21-Jun-00					85																		
W-830-05	RTN	3-May-01					66	D																	
W-830-05	RTN	6-Jun-02					73	D														1200			
W-830-05	RTN	14-Mar-03					64.8																		
W-830-05	RTN	10-Feb-04					71	DH																	
W-830-07	RTN	1-Feb-96					9.1																		
W-830-09	RTN	17-Oct-88											<	1	P	160	P								
W-830-09	RTN	17-Oct-88							380	P	430	P						1400	P			2180	P	7.21	P
W-830-09	RTN	3-Nov-94	0.22				< 2.215	U	380	D	510	D	<	1	U	160		1500				2300		7.6	
W-830-09	DUP	8-Mar-95					< 0.5	U																	
W-830-09	RTN	8-Mar-95					< 0.5	U																	
W-830-09	RTN	16-May-95					< 0.5	U																	
W-830-09	RTN	27-Jul-95					< 0.5	U																	
W-830-09	RTN	5-Feb-96					< 0.5	U																	
W-830-09	RTN	14-May-96					< 0.5	U																	
W-830-09	RTN	24-Sep-96					< 0.5	U																	
W-830-09	RTN	13-Dec-96					< 0.5	U																	
W-830-09	RTN	20-Jun-97					< 0.5	U																	
W-830-09	RTN	24-Nov-97					< 0.4	U																	
W-830-09	RTN	19-Mar-98					< 0.4	U																	
W-830-09	RTN	15-Jun-98					< 0.4	U																	
W-830-09	RTN	15-Dec-98					< 0.4	U																	
W-830-09	RTN	17-Dec-99					< 0.5	U																	
W-830-09	RTN	2-Feb-00					< 0.5	U																	
W-830-09	RTN	22-Jun-00					< 0.4	U																	
W-830-09	RTN	15-May-01					< 0.88	DU																	
W-830-09	SLI	30-Oct-03					< 0.88	DU																	
W-830-09	DUP	30-Oct-03					< 5	DU														2400	H		
W-830-09	RTN	26-Jul-04					< 0.5	U																	
W-830-10	RTN	18-Mar-92							300	P	220	P	<	1	P	170	P	1100	P			1650	P	7.7	P
W-830-10	RTN	18-Mar-92	57	P																					
W-830-10	RTN	16-Mar-95					54	D																	
W-830-10	RTN	12-May-95					57	D																	
W-830-10	RTN	21-Jul-95					65	D																	
W-830-10	RTN	6-Dec-95					66	D																	
W-830-10	RTN	26-Jan-96					57	H																	
W-830-10	RTN	15-May-96					63	O																	
W-830-10	RTN	28-Aug-96					59																		
W-830-10	DUP	11-Dec-96					58	D																	
W-830-10	RTN	11-Dec-96					58	D																	
W-830-10	RTN	26-Feb-97					58	DF																	
W-830-10	RTN	17-Jun-97					60	D																	
W-830-10	DUP	17-Jun-97					58	D																	
W-830-10	RTN	26-Aug-97					67.8	D																	

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L)	RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-830-10	RTN	14-Nov-97					58	D																	
W-830-10	DUP	14-Nov-97					66	D																	
W-830-10	RTN	24-Feb-98					62	D																	
W-830-10	RTN	24-Feb-98	0.75				58	D	280	D	180	D	<	1	U	170		1100				1500		8	
W-830-10	RTN	19-Jun-98					54	D																	
W-830-10	RTN	29-Sep-98					61																		
W-830-10	HYI	9-Nov-98					63	D																	
W-830-10	HYI	9-Nov-98					62	D																	
W-830-10	RTN	23-Dec-98					51	D																	
W-830-10	RTN	23-Dec-98	0.63				62	D	306	D	194	D	<	5	U	185		1140				1860		7.93	
W-830-10	RTN	11-Mar-99					68	D																	
W-830-10	RTN	29-Jun-99					65	D																	
W-830-10	RTN	27-Sep-99					68	D																	
W-830-10	RTN	15-Dec-99					61	D																	
W-830-10	RTN	3-Feb-00					71	D																	
W-830-10	RTN	23-Jun-00					68.6	D																	
W-830-10	RTN	28-Jul-00					68.2																		
W-830-10	RTN	17-Nov-00					68																		
W-830-10	RTN	30-Jan-01					70																		
W-830-10	RTN	17-May-01					69.8																		
W-830-10	RTN	19-Sep-01					73																		
W-830-10	RTN	26-Dec-01					71.3																		
W-830-10	DUP	31-Jan-02					64	D																	
W-830-10	RTN	31-Jan-02					63	D																	
W-830-10	SLI	6-Jun-02					72	D																	
W-830-10	SLI	6-Jun-02					66	D														1700			
W-830-10	RTN	12-Aug-02					66	D																	
W-830-10	DUP	23-Dec-02					58	D																	
W-830-10	RTN	23-Dec-02					76	DH																	
W-830-10	RTN	14-Mar-03					68.4																		
W-830-10	DUP	14-Mar-03					68.5																		
W-830-10	RTN	10-Feb-04					69	DH																	
W-830-11	RTN	25-Jun-92							260	P	400	P		40	P	40	P	1100	P			1560	P	8.8	P
W-830-11	RTN	25-Jun-92			36	P																			
W-830-11	RTN	22-Feb-95					< 2.215	U																	
W-830-11	RTN	12-May-95					3.9																		
W-830-11	RTN	21-Jul-95					6.1																		
W-830-11	RTN	30-Nov-95					< 5	DU																	
W-830-11	RTN	26-Jan-96					5.6	H																	
W-830-11	RTN	26-Jan-96					5.9																		
W-830-11	RTN	12-Jun-96					4.9	LO																	
W-830-11	RTN	28-Aug-96					1.7																		
W-830-11	RTN	11-Dec-96					4																		
W-830-11	RTN	17-Jun-97					4.9																		
W-830-11	DUP	17-Jun-97					5.3																		
W-830-11	RTN	14-Nov-97					6.2																		
W-830-11	RTN	28-May-98					22																		
W-830-11	RTN	23-Dec-98					35	D																	
W-830-11	RTN	23-Dec-98	0.46				49	D	224		147			22		151		865				1460		8.25	
W-830-11	RTN	29-Jun-99					55	D																	
W-830-11	RTN	15-Dec-99					41	D																	
W-830-11	DUP	15-Dec-99					38	D																	
W-830-11	RTN	28-Jan-00					41	D																	
W-830-11	RTN	21-Jun-00					44.4																		

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-830-11	RTN	28-Jul-00					40.9	D																
W-830-11	RTN	17-Nov-00					43.5																	
W-830-11	DUP	30-Jan-01					38.6																	
W-830-11	RTN	30-Jan-01					39.1																	
W-830-11	RTN	17-May-01					37.8																	
W-830-11	RTN	19-Sep-01					41																	
W-830-11	RTN	18-Dec-01					33	D																
W-830-11	RTN	31-Jan-02					32	D																
W-830-11	RTN	6-Jun-02																			1300			
W-830-11	RTN	14-Mar-03					23.4																	
W-830-11	RTN	10-Feb-04					12.5																	
W-830-11	DUP	10-Feb-04					12.6																	
W-830-12	RTN	21-Dec-94	0.51				< 2.215	U	89	D	97	D	< 1	U	180		470				600		7.3	
W-830-12	RTN	8-Mar-95	0.56				< 0.5	U	50		110		< 1	U	180		510				650		7.5	
W-830-12	RTN	16-May-95					< 0.5	U																
W-830-12	RTN	27-Jul-95					< 0.5	U																
W-830-12	RTN	8-Dec-95					< 5	DU																
W-830-12	RTN	5-Feb-96					< 0.5	U																
W-830-12	RTN	19-Jun-96					< 0.5	U																
W-830-12	RTN	24-Sep-96					< 0.5	U																
W-830-12	RTN	13-Dec-96					< 0.5	U																
W-830-12	RTN	20-Jun-97					< 0.5	U																
W-830-12	RTN	24-Nov-97					< 0.4	U																
W-830-12	RTN	15-Dec-98					< 0.4	U																
W-830-12	RTN	29-Jun-99					< 0.4	U																
W-830-12	RTN	17-Dec-99					< 0.5	U																
W-830-12	RTN	22-Jun-00					< 0.88	DU																
W-830-12	RTN	15-May-01					< 0.44	U																
W-830-12	RTN	14-Jun-02					< 0.44	U																
W-830-12	RTN	30-Oct-03					< 5	DU													590	H		
W-830-12	RTN	27-Jul-04					< 0.5	U																
W-830-13	RTN	16-Mar-95	0.87				52		290		180		< 1	U	250		1100				1600		7.7	
W-830-13	RTN	12-May-95					56	D																
W-830-13	RTN	24-Jul-95					63	D																
W-830-13	RTN	20-Dec-95					42	D																
W-830-13	RTN	26-Jan-96					51	DH																
W-830-13	RTN	12-Jun-96					62	LO																
W-830-13	RTN	11-Sep-96					68	LO																
W-830-13	RTN	11-Dec-96					58	D																
W-830-13	DUP	26-Feb-97					54	DF																
W-830-13	RTN	26-Feb-97					54	DF																
W-830-13	RTN	19-Jun-97					55	D																
W-830-13	RTN	26-Aug-97					62	D																
W-830-13	RTN	10-Dec-97					62	D																
W-830-13	RTN	27-Feb-98					58	D																
W-830-13	RTN	22-May-98					56	D																
W-830-13	RTN	29-Sep-98					62																	
W-830-13	DUP	29-Sep-98					53	D																
W-830-13	RTN	8-Dec-98					63	D																
W-830-13	RTN	25-Feb-99					59	DH																
W-830-13	DUP	30-Jun-99					58	DL																
W-830-13	RTN	30-Jun-99					58	DL																
W-830-13	RTN	29-Sep-99					62	D																
W-830-13	DUP	29-Sep-99					61	D																

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_ TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-830-13	RTN	15-Dec-99					57	D																
W-830-13	RTN	28-Jan-00					54	D																
W-830-13	DUP	28-Jan-00					54	D																
W-830-13	RTN	23-Jun-00					60.3	D																
W-830-13	RTN	15-Aug-00					64.3																	
W-830-13	RTN	17-Nov-00					63.2																	
W-830-13	RTN	31-Jan-01					53.1	D																
W-830-13	RTN	17-May-01					50.4																	
W-830-13	DUP	17-May-01					48	D																
W-830-13	RTN	25-Sep-01					54	D																
W-830-13	RTN	18-Dec-01					57	D																
W-830-13	RTN	12-Mar-02					63	D																
W-830-13	RTN	21-Mar-03					47	D														2000		
W-830-13	RTN	10-Feb-04					79	DH																
W-830-14	RTN	16-Mar-95	0.44				< 0.5	U	280		270		< 1	U	160		1100				1600		8.1	
W-830-14	RTN	18-May-95					< 0.5	U																
W-830-14	DUP	18-May-95					< 0.5	U																
W-830-14	RTN	24-Jul-95					< 0.5	U																
W-830-14	RTN	6-Dec-95					< 5	DULO																
W-830-14	RTN	26-Jan-96					< 0.5	UH																
W-830-14	RTN	12-Jun-96					< 0.5	ULO																
W-830-14	DUP	12-Jun-96					< 0.5	ULO																
W-830-14	DUP	11-Sep-96					< 0.4	U																
W-830-14	RTN	11-Sep-96					< 0.5	LOU																
W-830-14	RTN	16-Dec-96					< 0.5	U																
W-830-14	RTN	18-Jun-97					1																	
W-830-14	RTN	10-Dec-97					< 0.4	U																
W-830-14	RTN	19-Jun-98					< 0.4	U																
W-830-14	RTN	3-Feb-00					< 0.5	U																
W-830-14	RTN	21-Jun-00					< 0.88	DU																
W-830-14	RTN	28-Jul-00					4.83	D																
W-830-14	RTN	17-Nov-00					< 0.44	U																
W-830-14	RTN	30-Jan-01					< 0.44	U																
W-830-14	RTN	17-May-01					< 0.44	U																
W-830-14	RTN	19-Sep-01					< 0.89	U														1800		
W-830-14	RTN	26-Dec-01					< 0.4	U																
W-830-14	RTN	12-Mar-02					< 0.44	U																
W-830-14	DUP	12-Mar-02					< 0.5	U																
W-830-14	RTN	20-Jun-02					< 0.44	U																
W-830-14	RTN	12-Aug-02					< 5	DU																
W-830-14	DUP	12-Aug-02					< 0.5	U																
W-830-14	RTN	23-Dec-02					< 0.1	HU																
W-830-14	DUP	14-Mar-03					< 0.88	DU																
W-830-14	RTN	14-Mar-03					< 0.44	U																
W-830-14	RTN	10-Feb-04					6.3	H																
W-830-15	RTN	16-Mar-95	0.31				< 0.5	U	190		340		< 1	U	230		1100				1500		8.3	
W-830-15	RTN	16-May-95					< 0.5	U																
W-830-15	RTN	21-Jul-95					< 0.5	U																
W-830-15	RTN	1-Dec-95					< 5	DULO																
W-830-15	RTN	1-Dec-95					< 0.4	U																
W-830-15	RTN	22-Jan-96					< 0.5	U																
W-830-15	RTN	10-Jun-96					< 0.5	U																
W-830-15	RTN	23-Aug-96					< 0.5	UO																
W-830-15	RTN	16-Dec-96					< 0.5	U																

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-830-15	RTN	16-Jun-97					< 0.5	U																
W-830-15	RTN	12-Dec-97					< 0.4	U																
W-830-15	RTN	19-Jun-98					< 0.4	U																
W-830-15	RTN	27-Oct-03					8.6	D													100	H		
W-830-15	RTN	26-Oct-04					8.7	D																
W-830-16	RTN	25-Jan-96	0.43				< 0.5	U	250	D	370	D	140		16		1100				1700		9.4	
W-830-16	RTN	11-Jun-96					< 0.5	U																
W-830-16	RTN	22-Aug-96					< 0.5	UO																
W-830-16	RTN	16-Dec-96					< 0.5	U																
W-830-16	RTN	16-Jun-97					< 0.5	U																
W-830-16	RTN	17-Nov-97					< 0.5	U																
W-830-16	RTN	19-Jun-98					< 0.4	U																
W-830-16	RTN	3-Feb-00					< 0.5	U																
W-830-16	RTN	22-Jun-00					< 0.88	DU																
W-830-16	RTN	15-May-01					< 0.44	U																
W-830-16	RTN	27-Sep-01																			1500			
W-830-16	RTN	14-Jun-02					1.1																	
W-830-16	RTN	19-Mar-03					3														1600			
W-830-16	RTN	10-Sep-03					3.5																	
W-830-16	RTN	10-Feb-04					3.9	H																
W-830-16	DUP	10-Feb-04					3.9	H																
W-830-16	RTN	21-Jul-04					< 5	DU																
W-830-17	RTN	25-Jan-96	0.97	D			78	D	220	D	67	D	20		250		920				1400		8.4	
W-830-17	RTN	11-Jun-96					48	D																
W-830-17	RTN	22-Aug-96					59	O																
W-830-17	RTN	16-Dec-96					58	D																
W-830-17	RTN	20-Feb-97					71																	
W-830-17	RTN	16-Jun-97					72	D																
W-830-17	RTN	8-Aug-97					82.8	D																
W-830-17	RTN	17-Nov-97					75	D																
W-830-17	RTN	26-Feb-98					80	D																
W-830-17	RTN	22-May-98					86	D																
W-830-17	RTN	22-Dec-98					75	DL																
W-830-17	RTN	23-Feb-99					84	D																
W-830-17	RTN	30-Jun-99					83	DL																
W-830-17	RTN	29-Sep-99					90	D																
W-830-17	RTN	17-Dec-99					8.5																	
W-830-17	RTN	28-Jan-00					85	D																
W-830-17	RTN	22-Jun-00					89.7	D																
W-830-17	RTN	22-May-01					85.4	DH																
W-830-17	RTN	18-Jun-02					79	D																
W-830-17	RTN	25-Mar-03					87	D													1500			
W-830-17	RTN	10-Feb-04					110	DH																
W-830-18	RTN	28-Jun-96	0.33	LO			5.5				420	D	< 1	U	150		1200				1700		7.8	
W-830-18	RTN	28-Jun-96					5.5																	
W-830-18	RTN	23-Aug-96					5.7	O																
W-830-18	RTN	13-Dec-96					4.9																	
W-830-18	RTN	29-May-98					5.6																	
W-830-18	RTN	25-Nov-98	0.28				< 0.4	U	285	D	428	D	< 5	U	168		1320				2050		7.72	
W-830-18	RTN	6-Jun-02					< 0.5	U													1900			
W-830-18	RTN	24-Sep-02					< 0.5	U																
W-830-18	RTN	23-Dec-02					< 0.1	U																
W-830-18	RTN	23-Dec-02	0.23						320	D	300	D	< 1	HU	160	H	1300	H			2000	H	7.8	H
W-830-18	RTN	28-Jan-03					0.57														1900	L		

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L)	RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-830-18	DUP	28-Jan-03					0.59															1900	L		
W-830-18	RTN	10-Feb-04					< 0.5	UH																	
W-830-19	RTN	28-Jun-96	0.8	JLO			250	D			230	DJ	<	1	U	200		1700				2600		7.7	
W-830-19	RTN	28-Jun-96					250	D																	
W-830-19	RTN	24-Sep-96					190	D																	
W-830-19	DUP	13-Dec-96					204	D																	
W-830-19	RTN	13-Dec-96					170	D																	
W-830-19	RTN	6-Mar-97					210	D																	
W-830-19	RTN	25-Jun-97					190	D																	
W-830-19	RTN	9-Sep-97					195	D																	
W-830-19	RTN	26-Nov-97					199	D																	
W-830-19	RTN	24-Feb-98					182	D																	
W-830-19	RTN	24-Feb-98	0.84				190	D	530	D	210	D	<	1	U	230		1700				2500		7.9	
W-830-19	RTN	28-May-98					4.3																		
W-830-19	RTN	18-Aug-98					228	D																	
W-830-19	RTN	25-Nov-98	0.66				219	D	580	D	252	D	<	5	U	228		1900				3100		7.95	
W-830-19	RTN	25-Feb-99					198	D																	
W-830-19	RTN	30-Jun-99					207	D																	
W-830-19	RTN	21-Sep-99					215	D																	
W-830-19	RTN	17-Dec-99					22.7																		
W-830-19	RTN	31-Jan-00					190	DL																	
W-830-19	RTN	20-Jun-00					206	D			240	D													
W-830-19	RTN	14-Aug-00					197	D			266	D													
W-830-19	RTN	21-Nov-00					187	D			258	D													
W-830-19	RTN	29-Jan-01					194	D			279	D													
W-830-19	RTN	22-May-01					193	DH			270	D										2550			
W-830-19	RTN	19-Sep-01					190	D			260	D										2600			
W-830-19	RTN	13-Dec-01					180	D			330	DL										2700			
W-830-19	RTN	15-Mar-02									320	DL										2500			
W-830-19	RTN	18-Mar-02					190	D																	
W-830-19	RTN	11-Jun-02					175	D																	
W-830-19	RTN	23-Aug-02					99	D														2300	LO		
W-830-19	RTN	26-Dec-02					190	D																	
W-830-19	RTN	26-Dec-02	0.48	HF					400	DLO	280	DHLO	<	5	HU	260	DH	1700	H			2300	L	7.92	
W-830-19	DUP	19-Mar-03					162	D																	
W-830-19	DUP	19-Mar-03	0.91	D			162	DH	382	D	237	D	<	10	DHU	290	DH	1550	D			2030		8.14	
W-830-19	RTN	19-Mar-03					190	DL														2500			
W-830-19	RTN	19-Mar-03	0.7						490	D	280	D	<	10	DHU	250	DH							7.92	
W-830-19	RTN	13-Jan-04					164	D																	
W-830-19	RTN	7-Apr-04					156	D																	
W-830-19	RTN	14-Jul-04					150	D																	
W-830-19	RTN	6-Oct-04					156	D																	
W-830-20	RTN	24-Sep-96					< 10	DU																	
W-830-20	RTN	24-Sep-96	0.26				< 0.5	U	240	D	390	DO	<	1	U	130		1300				1500		8.4	
W-830-20	RTN	24-Sep-96					< 10	DU	240	D	390	DO													
W-830-20	RTN	18-Dec-96					< 0.5	U																	
W-830-20	RTN	28-Feb-97					< 0.5	U																	
W-830-20	RTN	19-Jun-97					< 0.5	U																	
W-830-20	RTN	8-Sep-97					< 0.4	U																	
W-830-20	RTN	12-Dec-97					< 0.4	U																	
W-830-20	RTN	19-Mar-98					< 0.4	U																	
W-830-20	RTN	22-May-98					< 0.4	UL																	
W-830-20	RTN	29-Sep-98					< 0.4	U																	
W-830-20	RTN	22-Dec-98					< 0.4	U																	

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L)	RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-830-20	RTN	23-Feb-99					< 0.4	U																	
W-830-20	DUP	23-Feb-99					< 0.4	U																	
W-830-20	RTN	29-Jun-99					< 0.4	U																	
W-830-20	RTN	28-Sep-99					< 0.4	U																	
W-830-20	RTN	15-Dec-99					< 0.5	U																	
W-830-20	RTN	3-Feb-00					< 0.5	U																	
W-830-20	RTN	23-Jun-00					< 0.88	DU																	
W-830-20	RTN	22-May-01					0.472	H																	
W-830-20	RTN	6-Jun-02					< 0.5	U															1900		
W-830-20	RTN	23-Dec-02					< 0.1	HU																	
W-830-20	RTN	14-Mar-03					< 0.44	U																	
W-830-20	RTN	8-Sep-03					< 0.88	DU																	
W-830-20	RTN	28-Jan-04					< 0.88	DU																	
W-830-20	RTN	20-Jul-04					< 0.88	DU																	
W-830-21	RTN	19-Sep-96	0.83	L			< 0.5	LU	920	DLO	390	DLO	<	1	U	160		1900				2500		7.4	
W-830-21	RTN	19-Sep-96					< 0.5	UL																	
W-830-21	RTN	11-Dec-96					< 0.5	U																	
W-830-21	DUP	25-Feb-97					0.9																		
W-830-21	RTN	25-Feb-97					< 0.5	U																	
W-830-21	DUP	18-Jun-97					0.4																		
W-830-21	RTN	18-Jun-97					1																		
W-830-21	RTN	20-Aug-97					0.4																		
W-830-21	RTN	26-Nov-97					0.4																		
W-830-21	RTN	19-Feb-98					< 0.4	U																	
W-830-21	RTN	28-May-98					< 0.4	U																	
W-830-21	RTN	9-Jun-98					0.4	L																	
W-830-21	RTN	29-Sep-98					< 0.4	U																	
W-830-21	RTN	25-Nov-98	0.37				< 0.4	U	296	D	367	D	<	5	U	166		1200				1950		7.8	
W-830-21	RTN	25-Feb-99					0.44	L																	
W-830-21	RTN	29-Jun-99					< 0.4	U																	
W-830-21	RTN	16-Sep-99					< 0.4	U																	
W-830-21	RTN	17-Dec-99					< 0.5	U																	
W-830-21	RTN	28-Jan-00					0.72																		
W-830-21	DUP	28-Jan-00					0.85																		
W-830-21	RTN	21-Jun-00					< 0.88	DU																	
W-830-21	RTN	28-Jul-00					< 0.88	DU																	
W-830-21	DUP	28-Jul-00					0.9	D																	
W-830-21	RTN	17-Nov-00					< 0.44	U																	
W-830-21	RTN	30-Jan-01					< 0.44	U																	
W-830-21	RTN	22-May-01					0.626	H																	
W-830-21	RTN	19-Sep-01					< 0.89	U																	
W-830-21	DUP	18-Dec-01					1.3																		
W-830-21	RTN	18-Dec-01					1.3																		
W-830-21	RTN	31-Jan-02					0.76																		
W-830-21	SLI	6-Jun-02					< 0.1	U																	
W-830-21	SLI	6-Jun-02					0.6																1900		
W-830-21	RTN	12-Aug-02					0.55																		
W-830-21	DUP	23-Dec-02					1.1	H																	
W-830-21	DUP	23-Dec-02	0.47	H					330	D	230	D	<	1	HU	160	H	1200	H			1800	H	8	H
W-830-21	RTN	23-Dec-02					1.1	H																	
W-830-21	RTN	23-Dec-02	0.46	H					320	D	270	D	<	1	HU	160	H	1200	H			1800	H	8	H
W-830-21	RTN	14-Mar-03					< 0.44	U																	
W-830-21	RTN	10-Feb-04					0.88	H																	
W-830-22	RTN	20-Sep-96	0.12				< 0.5	LU	290	DLO	160	DLO		77		1	U	1600				3900		12	

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L)	RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97						9.3																	
W-830-22	RTN	20-Sep-96					<	0.5	UL																
W-830-22	RTN	6-Mar-97					<	0.5	U																
W-830-22	RTN	25-Jun-97					<	0.5	U																
W-830-22	RTN	9-Sep-97						0.4																	
W-830-22	RTN	26-Nov-97						0.4																	
W-830-22	RTN	25-Feb-98					<	0.4	U																
W-830-22	RTN	28-May-98					<	0.4	U																
W-830-22	RTN	18-Aug-98					<	0.4	U																
W-830-22	RTN	25-Nov-98	0.14				<	0.4	U	356	D	271		58		16		1040				1790		9.3	
W-830-22	RTN	17-Dec-99					<	0.5	U																
W-830-22	RTN	31-Jan-00						2.5	L																
W-830-22	RTN	20-Jun-00					<	0.44	U																
W-830-22	RTN	10-Aug-00					<	0.44	U																
W-830-22	RTN	16-Nov-00					<	0.88	DU																
W-830-22	RTN	29-Jan-01					<	0.44	U																
W-830-22	RTN	18-May-01					<	0.44	U																
W-830-22	DUP	18-May-01					<	0.44	U																
W-830-22	RTN	19-Sep-01					<	0.89	U													1800			
W-830-22	RTN	30-Nov-01						0.6														1800			
W-830-22	RTN	15-Mar-02																				1700			
W-830-22	RTN	18-Mar-02						4.7																	
W-830-22	RTN	11-Jun-02						4.6																	
W-830-22	RTN	23-Aug-02						7.8	D													2400	LO		
W-830-22	RTN	26-Dec-02						5.2	D																
W-830-22	RTN	26-Dec-02	0.35	HF						300	DLO	260	DHLO	38	DH	10	DHU	1000	H			1600	L	9.36	
W-830-22	RTN	19-Mar-03						5.4														1700			
W-830-22	RTN	19-Mar-03	0.15							410	D	290	D	47	DH	10	DHU							9.55	
W-830-22	RTN	28-Jan-04						160	D																
W-830-25	RTN	12-Mar-97						85	D																
W-830-25	RTN	26-Jun-97						82	D																
W-830-25	RTN	24-Feb-98						80	D																
W-830-25	RTN	24-Feb-98	0.62					75	D	250	D	210	D	< 1	U	380		1400				1900		8	
W-830-25	RTN	10-Jun-98						108	D																
W-830-25	RTN	19-Aug-98						177	D																
W-830-25	DUP	19-Aug-98						175	D																
W-830-25	RTN	25-Nov-98	0.41					107	D	520	D	170	D	< 5	U	197		1460				2460		7.78	
W-830-25	RTN	24-Feb-99						72	D																
W-830-25	RTN	30-Jun-99						65	D																
W-830-25	RTN	16-Aug-00						86.7	D																
W-830-25	RTN	28-Nov-00						108	D																
W-830-25	RTN	26-Feb-01						108	D																
W-830-25	RTN	30-May-01						103	D																
W-830-25	RTN	20-Sep-01						99														2300			
W-830-25	RTN	21-Dec-01						53	D																
W-830-25	RTN	14-Mar-02						84	LOD																
W-830-25	RTN	11-Jun-02						82	D																
W-830-25	RTN	12-Aug-02						81	D																
W-830-25	RTN	30-Dec-02	0.68					74	D	540	DL	270	DH	< 5	HU	190	DH	1400				2500		7.74	LO
W-830-25	RTN	24-Mar-03						77	D													2600			
W-830-25	RTN	9-Feb-04						90	D																
W-830-26	RTN	20-Sep-96	0.24					6.6	L	450	DLO	380	DLO	39		39		1300				1800		8.7	
W-830-26	RTN	20-Sep-96						6.6	L																
W-830-26	RTN	13-Dec-96						6.2																	
W-830-26	DUP	13-Dec-96						6.2																	

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-830-26	RTN	11-Mar-97					4.8																	
W-830-26	RTN	25-Jun-97					4.7																	
W-830-26	RTN	9-Sep-97					8																	
W-830-26	DUP	10-Dec-97					6.2																	
W-830-26	RTN	10-Dec-97					6.6																	
W-830-26	RTN	17-Mar-98					8																	
W-830-26	RTN	15-Jun-98					8.7																	
W-830-26	RTN	19-Aug-98					2.2	D																
W-830-26	RTN	25-Nov-98	0.22				2.8		365	D	357	D	< 5	U	85		1190				2060		8.75	
W-830-26	RTN	24-Feb-99					3																	
W-830-26	RTN	30-Jun-99					1.6	L																
W-830-26	RTN	30-Sep-99					< 0.4	U																
W-830-26	RTN	17-Dec-99					< 0.5	U																
W-830-26	RTN	2-Feb-00					4.6																	
W-830-26	DUP	2-Feb-00					3.9																	
W-830-26	RTN	20-Jun-00					1.2																	
W-830-26	DUP	20-Jun-00					< 2.2	DU																
W-830-26	RTN	10-Aug-00					0.45																	
W-830-26	DUP	16-Nov-00					< 0.88	DU																
W-830-26	RTN	16-Nov-00					< 0.88	DU																
W-830-26	RTN	29-Jan-01					< 0.44	U																
W-830-26	RTN	18-May-01					< 0.44	U																
W-830-26	RTN	20-Sep-01					< 0.89	U													1600			
W-830-26	RTN	30-Nov-01					< 0.5	U													1600			
W-830-26	RTN	14-Mar-02					1.2	LO													1500	LO		
W-830-26	RTN	19-Mar-03					1.7														1200			
W-830-26	RTN	19-Mar-03	< 0.1	U					140	D	65	D	130	DH	10	DHU							11.4	
W-830-26	DUP	29-Jan-04					0.46																	
W-830-26	RTN	29-Jan-04					0.55																	
W-830-27	RTN	19-Sep-96	0.56	L			130	DL	660	DLO	190	DLO	< 1	U	170		1300				1800		7.5	
W-830-27	RTN	19-Sep-96					130	DL																
W-830-27	RTN	12-Mar-97					35	D																
W-830-27	RTN	26-Jun-97					33	D																
W-830-27	RTN	28-Aug-97					35.4	D																
W-830-27	RTN	10-Dec-97					37	D																
W-830-27	RTN	24-Feb-98					27	D																
W-830-27	RTN	10-Jun-98					126	D																
W-830-27	RTN	19-Aug-98					55	D																
W-830-27	RTN	25-Nov-98	0.48				40	D	434	D	168	D	< 5	U	184		1150				2050		8.06	
W-830-27	DUP	24-Feb-99					37	D																
W-830-27	RTN	24-Feb-99					35	D																
W-830-27	RTN	30-Jun-99					40	D																
W-830-27	RTN	21-Sep-99					51	D																
W-830-27	RTN	17-Dec-99					6.6																	
W-830-27	RTN	31-Jan-00					53	DL																
W-830-27	RTN	22-Jun-00					57.4	D																
W-830-27	RTN	28-Jul-00					100	D																
W-830-27	RTN	28-Nov-00					59.8	D																
W-830-27	RTN	26-Feb-01					64	D																
W-830-27	RTN	31-May-01					102	D																
W-830-27	RTN	20-Sep-01					110																	
W-830-27	RTN	19-Dec-01					96	D																
W-830-27	RTN	14-Mar-02					85	LOD																
W-830-27	RTN	11-Jun-02					89.7	D																

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-830-27	RTN	26-Sep-02					160	D																
W-830-27	RTN	30-Dec-02	1.8	D			70	D	490	DL	300	DH	< 5	HU	200	DH	1500				2400		7.65	LO
W-830-27	RTN	24-Mar-03					83	D													2500			
W-830-27	RTN	9-Feb-04					87	D																
W-830-28	RTN	23-Sep-96	0.18										160		27		1200				1400		11	
W-830-28	RTN	12-Mar-97					20	D																
W-830-28	RTN	25-Jun-97					19	D																
W-830-28	RTN	28-Aug-97					20.8	D																
W-830-28	RTN	10-Dec-97					18																	
W-830-28	RTN	25-Feb-98					15																	
W-830-28	RTN	10-Jun-98					21	D																
W-830-28	RTN	19-Aug-98					13																	
W-830-28	RTN	25-Nov-98	0.11				9.2		352	D	243	D	52		5	U	1270				2500		11.56	
W-830-28	RTN	24-Feb-99					0.4																	
W-830-28	RTN	30-Jun-99					< 0.4	U																
W-830-28	RTN	20-Sep-99					5.9																	
W-830-28	DUP	20-Dec-99					1.1																	
W-830-28	RTN	20-Dec-99					1.4																	
W-830-28	RTN	31-Jan-00					2.6	L																
W-830-28	DUP	22-Jun-00					2.8	D																
W-830-28	RTN	22-Jun-00					3.2	D																
W-830-28	RTN	28-Jul-00					4.2	D																
W-830-28	RTN	28-Nov-00					3	D																
W-830-28	RTN	26-Feb-01					1.5	D																
W-830-28	RTN	24-May-01					2	D																
W-830-28	DUP	24-May-01					0.8																	
W-830-28	RTN	20-Sep-01					4.7																	
W-830-28	RTN	19-Dec-01					4.6																	
W-830-28	RTN	14-Mar-02					6.1	LO																
W-830-28	DUP	30-Dec-02	0.24				6.1		360	DL	310	DH	30	DH	5	HU	1200				2100		11.7	LO
W-830-28	RTN	30-Dec-02	< 0.1	U			5.7		440	DL	320	DH	38	DH	5	HU	1200				2100		11.7	LO
W-830-28	RTN	24-Mar-03					10														2100			
W-830-28	RTN	9-Feb-04					8.1																	
W-830-29	RTN	17-Mar-97	0.46				< 0.5	U	54	D	110	D	8		170		480				730		8.6	
W-830-29	RTN	17-Mar-97					< 0.5	U																
W-830-29	RTN	25-Jun-97					< 0.5	U																
W-830-29	DUP	9-Sep-97					< 0.4	U																
W-830-29	RTN	9-Sep-97					< 0.5	U																
W-830-29	RTN	24-Nov-97					< 0.4	U																
W-830-29	RTN	19-Mar-98					< 0.4	U																
W-830-29	RTN	15-Jun-98					< 0.4	U																
W-830-29	RTN	18-Aug-98					< 0.4	U																
W-830-29	RTN	15-Dec-98					< 0.4	U																
W-830-29	RTN	24-Feb-99					< 0.4	U																
W-830-29	RTN	29-Jun-99					< 0.4	U																
W-830-29	RTN	3-Feb-00					< 0.5	U																
W-830-29	RTN	20-Jun-00					< 0.4	U																
W-830-29	RTN	18-May-01					< 0.44	U																
W-830-29	DUP	17-Jun-02					< 0.44	U																
W-830-29	RTN	17-Jun-02					< 0.44	U																
W-830-29	RTN	19-Mar-03					< 0.5	LU													720			
W-830-29	RTN	19-Mar-03	0.53						67	D	140	D	< 10	DHU	170	DH							7.87	
W-830-29	RTN	29-Jan-04					< 0.5	U																
W-830-30	RTN	11-Mar-97	1.6	D			31	D	57	D	31	D												

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG		Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-830-30	RTN	11-Mar-97	1.6	D			31	D	57	D	31	D	<	1	U	430		680				1100		8.1	
W-830-30	RTN	11-Mar-97					31	D																	
W-830-30	RTN	25-Jun-97					39	D																	
W-830-30	RTN	28-Aug-97					44.3	D																	
W-830-30	RTN	26-Nov-97					43	D																	
W-830-30	RTN	26-Nov-97					89																		
W-830-30	RTN	25-Feb-98					102	D																	
W-830-30	RTN	25-Feb-98	1.3	D			97	D	270	D	62	D	<	1	U	240		940				1400		8	
W-830-30	RTN	28-May-98					95	D																	
W-830-30	RTN	10-Jun-98					87	D																	
W-830-30	RTN	18-Aug-98					111	D																	
W-830-30	RTN	25-Feb-99					85	DL																	
W-830-30	RTN	30-Jun-99					88	D																	
W-830-30	RTN	21-Sep-99					103	D																	
W-830-30	DUP	21-Sep-99					102	D																	
W-830-30	RTN	20-Dec-99					110	D																	
W-830-30	RTN	20-Dec-99					110	D																	
W-830-30	RTN	1-Feb-00					110	D																	
W-830-30	RTN	20-Jun-00					119	D			45	D													
W-830-30	RTN	14-Aug-00					123	D			56	D													
W-830-30	RTN	20-Nov-00					124	D			69	D													
W-830-30	RTN	29-Jan-01					125	D			79														
W-830-30	RTN	23-May-01					129	D			71														
W-830-30	RTN	19-Sep-01					130	D			78	D										1700			
W-830-30	RTN	30-Nov-01					120	D			74	D													
W-830-30	RTN	15-Mar-02									380	DL													
W-830-30	RTN	18-Mar-02					120	D																	
W-830-30	DUP	11-Jun-02					122	D																	
W-830-30	RTN	11-Jun-02					122	D																	
W-830-30	RTN	13-Aug-02					150	D														1700	L		
W-830-30	RTN	27-Dec-02					99	DH														1500			
W-830-30	RTN	27-Dec-02	2.8	DH					290	DHL	76	DLH	<	10	DHU	230	DH	950	H					7.93	
W-830-30	RTN	30-Oct-03					110	D														1200	H		
W-830-30	DUP	30-Oct-03					120	D														1700	H		
W-830-30	RTN	27-Jul-04					110	D																	
W-830-34	RTN	11-Mar-97	0.92				100	D	240	D	90	D													
W-830-34	RTN	11-Mar-97	0.92				100	D	240	D	90	D	<	1	U	200		920				1000		8	
W-830-34	RTN	11-Mar-97					100	D																	
W-830-34	RTN	25-Jun-97					99	D																	
W-830-34	RTN	28-Aug-97					97	D																	
W-830-34	RTN	26-Nov-97					97	D																	
W-830-34	RTN	10-Mar-98					102	D																	
W-830-34	RTN	10-Mar-98	1.1	D			93	D	170	DL	79	D	<	1	U	210		810				1200		8.3	
W-830-34	RTN	28-May-98					132	D																	
W-830-34	RTN	10-Jun-98					108	D																	
W-830-34	RTN	18-Sep-98					107	D																	
W-830-34	DUP	25-Feb-99					108	D																	
W-830-34	RTN	25-Feb-99					100	DH																	
W-830-34	RTN	30-Jun-99					108	D																	
W-830-34	RTN	21-Sep-99					123	D																	
W-830-34	RTN	20-Dec-99					100	D																	
W-830-34	RTN	17-Mar-00					120	D																	
W-830-34	RTN	20-Jun-00					122	D	190	D	68	D													
W-830-34	RTN	14-Aug-00					122	D	225		86														

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-830-34	DUP	14-Aug-00					120	D	213		81													
W-830-34	RTN	20-Nov-00					114	D	236		80													
W-830-34	RTN	29-Jan-01					114	D	242		81													
W-830-34	RTN	3-May-01					105	D	235	D	78.9	D												
W-830-34	RTN	19-Sep-01					110	D	220	D	81	D									1400			
W-830-34	RTN	30-Nov-01					110	D			7.6													
W-830-34	RTN	30-Nov-01							240	D														
W-830-34	RTN	15-Mar-02							220	D	90	DL												
W-830-34	RTN	18-Mar-02					110	D																
W-830-34	RTN	11-Jun-02					110	D																
W-830-34	RTN	23-Aug-02					110	D																
W-830-34	RTN	27-Dec-02					120	DH													1400			
W-830-34	RTN	27-Dec-02	1.1	H					250	DHL	82	DLH	< 10	DHU	190	DH	920	H					8.03	
W-830-34	RTN	30-Oct-03					120	D													1500	H		
W-830-34	RTN	27-Jul-04					1400	D																
W-830-49	RTN	15-Jun-98					501	D																
W-830-49	RTN	15-Jun-98	0.69				440	D	1300	D	360	D	< 1	U	180		3300				5100		8.1	
W-830-49	RTN	19-Aug-98					265	D																
W-830-49	HYI	10-Nov-98					250	D																
W-830-49	RTN	15-Dec-98					210	D																
W-830-49	RTN	15-Dec-98	0.58				205	D	551	D	281	D	< 5	U	282		1980				3080		8.19	
W-830-49	DUP	25-Feb-99					190	DL																
W-830-49	RTN	25-Feb-99					190	DL																
W-830-49	RTN	30-Jun-99					174	DL																
W-830-49	RTN	17-Mar-00					160	D																
W-830-49	RTN	20-Jun-00					177	D																
W-830-49	RTN	14-Aug-00					176	D																
W-830-49	DUP	14-Aug-00					174	D																
W-830-49	RTN	16-Nov-00					171	D																
W-830-49	RTN	31-Jan-01					174	D																
W-830-49	RTN	3-May-01					154	D													2340			
W-830-49	RTN	30-Aug-01					162	D																
W-830-49	DUP	30-Aug-01					150	D													2200			
W-830-49	RTN	30-Nov-01					160	D													2200			
W-830-49	RTN	15-Mar-02																			2100			
W-830-49	RTN	18-Mar-02					160	D																
W-830-49	RTN	17-Jun-02					153	D																
W-830-49	RTN	17-Jun-02	0.8	D			170	DH	320	D	246	D	< 10	DU	340	D	1500	D			2330		7.62	
W-830-49	RTN	23-Aug-02					160	D													2100	LO		
W-830-49	RTN	27-Dec-02					150	DH													2100			
W-830-49	RTN	27-Dec-02	0.87	H					310	DHL	270	DLH	< 10	DHU	300	DH	1400	H					7.74	
W-830-49	RTN	21-Mar-03					170	D													2300			
W-830-49	RTN	28-Jan-04					5.1																	
W-830-50	RTN	1-Apr-99	0.47				23	D	223	D	241	D	< 5	U	177		960				1540		8.04	
W-830-50	RTN	1-Jul-99					15																	
W-830-50	RTN	14-Sep-99	0.41		<	0.5	SU	90	D	280	DL	< 1	U	160		980	B			1600		7.5	
W-830-50	RTN	20-Dec-99					15																	
W-830-50	RTN	15-Mar-00					14																	
W-830-50	RTN	21-Jun-00					14																	
W-830-50	RTN	31-Jul-00					13																	
W-830-50	RTN	29-Nov-00					13	H																
W-830-50	RTN	12-Feb-01					11.1	H																
W-830-50	RTN	3-May-01																			1540			
W-830-50	RTN	3-May-01					14.1																	

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_ TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L)	RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-830-50	RTN	19-Sep-01					16															1500			
W-830-50	RTN	19-Sep-01					2.9	D																	
W-830-50	RTN	19-Dec-01					16															1500			
W-830-50	RTN	12-Mar-02					16															1400			
W-830-50	RTN	12-Jun-02					16.3																		
W-830-50	RTN	19-Aug-02					15.4																		
W-830-50	RTN	26-Dec-02					16	D																	
W-830-50	RTN	26-Dec-02	0.76	HF					270	DLO	250	DHLO	<	5	HU	170	DH	990	H			1500	L	8.01	
W-830-50	RTN	25-Mar-03																						8.05	
W-830-50	RTN	25-Mar-03																970							
W-830-50	RTN	25-Mar-03					16		300	D	260	D										1700			
W-830-50	RTN	25-Mar-03	0.7										<	5	U	160									
W-830-50	RTN	10-Feb-04					11	H																	
W-830-51	HYI	10-Jun-99					21																		
W-830-51	HYI	10-Jun-99					51																		
W-830-51	RTN	10-Sep-99	0.59				57	D	303	D	205	D	<	5	U	183		1080				1760		8.16	
W-830-51	RTN	21-Dec-99					17	L																	
W-830-51	RTN	21-Dec-99					15	L																	
W-830-51	RTN	16-Feb-00					16																		
W-830-51	RTN	22-Jun-00					13																		
W-830-51	RTN	17-Aug-00					58	D																	
W-830-51	RTN	11-Dec-00					66	DH																	
W-830-51	DUP	11-Dec-00					42	D																	
W-830-51	RTN	30-Mar-01					60	DH																	
W-830-51	RTN	26-Jun-01																				1830			
W-830-51	RTN	26-Jun-01					67	DH																	
W-830-51	DUP	26-Jun-01																				1800			
W-830-51	DUP	26-Jun-01					67	DH																	
W-830-51	RTN	13-Sep-01					53	D														1700			
W-830-51	RTN	26-Nov-01					68																		
W-830-51	RTN	26-Nov-01					77	DH																	
W-830-51	RTN	23-Jan-02					59	D														1700	L		
W-830-51	RTN	22-May-02					28	D														1800			
W-830-51	RTN	8-Aug-02					68	D														1700			
W-830-51	RTN	24-Oct-02					59	D														1800			
W-830-51	RTN	15-Jan-03					60	DL														1800			
W-830-51	RTN	16-Apr-03					56	D														1800			
W-830-51	RTN	9-Jul-03					63.6																		
W-830-51	RTN	8-Oct-03					65	D																	
W-830-51	RTN	13-Jan-04					63.7	H																	
W-830-51	RTN	7-Apr-04					60.8																		
W-830-51	RTN	14-Jul-04					60.7																		
W-830-51	RTN	6-Oct-04					63.5																		
W-830-52	HYI	9-Jun-99					60	D																	
W-830-52	HYI	9-Jun-99					60	D																	
W-830-52	RTN	15-Feb-00	0.58				50	D	310	D	208	D	<	5	U	178		1080	D			1680		8.1	
W-830-52	RTN	22-Jun-00					35	D																	
W-830-52	RTN	31-Jul-00					67.2	D																	
W-830-52	RTN	28-Nov-00					64.5	D																	
W-830-52	RTN	30-Mar-01					54.5																		
W-830-52	RTN	22-Jun-01																				1800			
W-830-52	RTN	22-Jun-01					68.9																		
W-830-52	RTN	13-Sep-01					63	D														1700			
W-830-52	RTN	26-Nov-01					37.9																		

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_ TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L)	RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-830-52	RTN	23-Jan-02					65	D														1700	L		
W-830-52	RTN	22-May-02					64	D														1700			
W-830-52	RTN	8-Aug-02					68	D														1800			
W-830-52	RTN	24-Oct-02					63	D														1800			
W-830-52	RTN	15-Jan-03					63	DL														1800			
W-830-52	RTN	16-Apr-03					61	D														1800			
W-830-52	RTN	9-Jul-03					67.9																		
W-830-52	RTN	8-Oct-03					70.3																		
W-830-52	RTN	13-Jan-04					67.5	H																	
W-830-52	RTN	14-Apr-04					65.2																		
W-830-52	RTN	14-Jul-04					65.1																		
W-830-52	RTN	6-Oct-04					66.8																		
W-830-53	HYI	11-Jun-99					39																		
W-830-53	HYI	11-Jun-99					38																		
W-830-53	RTN	15-Feb-00	0.52				44.5	D	307	D	231	D	<	5	U	194		1120	D			1700		8.08	
W-830-53	RTN	22-Jun-00					39.8	D																	
W-830-53	RTN	31-Jul-00					44.5	D																	
W-830-53	RTN	28-Nov-00					47.8																		
W-830-53	RTN	30-Mar-01					49.2																		
W-830-53	RTN	21-Jun-01																				1810			
W-830-53	RTN	21-Jun-01					52.3																		
W-830-53	RTN	13-Sep-01					49	D														1700			
W-830-53	RTN	26-Nov-01					50.4																		
W-830-53	RTN	23-Jan-02					47	D														1700	L		
W-830-53	RTN	22-May-02					50	D														1800			
W-830-53	RTN	8-Aug-02					49	D														1800			
W-830-53	RTN	24-Oct-02					50	D														1800			
W-830-53	RTN	15-Jan-03					54	DL														1800			
W-830-53	RTN	16-Apr-03					48	D														1800			
W-830-53	RTN	9-Jul-03					56.4																		
W-830-53	RTN	8-Oct-03					57.4																		
W-830-53	RTN	13-Jan-04					57.1	H																	
W-830-53	RTN	7-Apr-04					53.7																		
W-830-53	RTN	14-Jul-04					53.4																		
W-830-53	RTN	6-Oct-04					54.4																		
W-830-54	RTN	18-Feb-00	0.7				3.5		291	D	340	D		10		165		1160	D			1840		8.29	
W-830-54	RTN	22-Jun-00					3.3	D																	
W-830-54	RTN	18-Aug-00					3																		
W-830-54	RTN	29-Nov-00					2.5																		
W-830-54	RTN	21-Feb-01					2.1																		
W-830-54	RTN	31-May-01					1.8																		
W-830-54	RTN	20-Sep-01					3.1															1700			
W-830-54	RTN	18-Dec-01					2															1800			
W-830-54	RTN	13-Mar-02					2															1700			
W-830-54	RTN	18-Jun-02					1.7															1800	L		
W-830-54	RTN	26-Sep-02					2.1															190			
W-830-54	RTN	19-Mar-03					2.2	L														1900			
W-830-54	RTN	17-Feb-04					< 5	DUL																	
W-830-55	RTN	18-Feb-00	0.51				9.3		302	D	326	D	<	5	U	166		1160	D			1770		8.18	
W-830-55	RTN	22-Jun-00					2.2	D																	
W-830-55	RTN	17-Aug-00					2.4																		
W-830-55	RTN	29-Nov-00					2.3																		
W-830-55	RTN	21-Feb-01					3.8																		
W-830-55	DUP	21-Feb-01					3.9																		

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_ TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-830-55	RTN	31-May-01					4.87																	
W-830-55	DUP	20-Sep-01					6.8														1500			
W-830-55	RTN	20-Sep-01					6.6														1600			
W-830-55	RTN	18-Dec-01					4.3														1600			
W-830-55	RTN	13-Mar-02					4.2														1500			
W-830-55	RTN	18-Jun-02					39	D													1600	L		
W-830-55	DUP	26-Sep-02					4														1700			
W-830-55	RTN	26-Sep-02					4														1700			
W-830-55	RTN	25-Mar-03					5														1800			
W-830-55	RTN	17-Feb-04					< 5	DUL																
W-830-56	RTN	11-Feb-00	0.43				20	D	296	D	216	D	7.2		153		1090	D			1670		8.2	
W-830-56	RTN	23-Jun-00					13.9	D																
W-830-56	RTN	17-Aug-00					13.4																	
W-830-56	RTN	29-Nov-00					13.4																	
W-830-56	RTN	31-Jan-01					13.8	D																
W-830-56	RTN	24-May-01					19.4																	
W-830-56	RTN	24-Sep-01					21	D													1500			
W-830-56	RTN	20-Dec-01					22	D													1300			
W-830-56	RTN	13-Mar-02					23	D													1400			
W-830-56	DUP	13-Mar-02					24	D													1400			
W-830-56	RTN	12-Jun-02					23																	
W-830-56	RTN	12-Aug-02					24	D													1500	L		
W-830-56	RTN	14-Mar-03					23.9																	
W-830-56	RTN	18-Feb-04					27	DL																
W-830-56	DUP	18-Feb-04					28	DL																
W-830-57	RTN	18-Jan-00					14.4	D																
W-830-57	RTN	18-Jan-00					13.8	D																
W-830-57	RTN	18-Jan-00					13.9	D																
W-830-57	RTN	30-Mar-00	0.27				15		377	D	435	D	< 5	U	166		1400	D			2050		8.09	
W-830-57	RTN	22-Jun-00					16.6	D																
W-830-57	RTN	16-Aug-00					17.4	D																
W-830-57	RTN	11-Sep-00																			2230			
W-830-57	RTN	11-Sep-00															1420	D						
W-830-57	RTN	11-Sep-00					16.9	D																
W-830-57	RTN	4-Oct-00																			2210			
W-830-57	RTN	4-Oct-00															1440	D						
W-830-57	RTN	4-Oct-00					17	D																
W-830-57	RTN	7-Nov-00																			2240			
W-830-57	RTN	7-Nov-00															1460							
W-830-57	RTN	7-Nov-00					16.2	D																
W-830-57	DUP	7-Nov-00					16.4	D																
W-830-57	RTN	11-Dec-00																			2180			
W-830-57	RTN	11-Dec-00															1410	D						
W-830-57	RTN	11-Dec-00					16.1	D																
W-830-57	RTN	22-Jan-01																			2340			
W-830-57	RTN	22-Jan-01															1440	D						
W-830-57	RTN	22-Jan-01					17.1	D																
W-830-57	RTN	20-Feb-01																			2180			
W-830-57	RTN	20-Feb-01															1360	D						
W-830-57	RTN	20-Feb-01					17																	
W-830-57	RTN	8-Mar-01																			2220			
W-830-57	RTN	8-Mar-01															1450	D						
W-830-57	RTN	8-Mar-01					16.9	D																
W-830-57	RTN	11-Apr-01																			2230			

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-830-57	RTN	11-Apr-01															1450	D						
W-830-57	RTN	11-Apr-01					8.96																	
W-830-57	RTN	10-May-01																			2180			
W-830-57	RTN	10-May-01															1400	D						
W-830-57	RTN	10-May-01					17.1	D																
W-830-57	RTN	14-Jun-01																			2230			
W-830-57	RTN	14-Jun-01															1410	D						
W-830-57	RTN	14-Jun-01					16.8																	
W-830-57	RTN	19-Jul-01																			2260			
W-830-57	RTN	19-Jul-01															1400	D						
W-830-57	RTN	19-Jul-01					16.6	D																
W-830-57	RTN	20-Aug-01																			2210			
W-830-57	RTN	20-Aug-01															1450	D						
W-830-57	RTN	20-Aug-01					17.3																	
W-830-57	RTN	13-Sep-01																			2220			
W-830-57	RTN	13-Sep-01															1420	D						
W-830-57	RTN	13-Sep-01					17																	
W-830-57	RTN	3-Oct-01																			2210			
W-830-57	RTN	3-Oct-01															1470	D						
W-830-57	RTN	3-Oct-01					17.3	D																
W-830-57	RTN	18-Oct-01					16.5	D																
W-830-57	RTN	13-Nov-01																			2160			
W-830-57	RTN	13-Nov-01					17.1										1470	D						
W-830-57	RTN	17-Jan-02																			2230			
W-830-57	RTN	17-Jan-02															1450	D						
W-830-57	RTN	17-Jan-02					19.4	D																
W-830-57	RTN	12-Feb-02																			2230			
W-830-57	RTN	12-Feb-02															1420	D						
W-830-57	RTN	12-Feb-02					17.3	D																
W-830-57	RTN	11-Mar-02																			2250			
W-830-57	RTN	11-Mar-02															1480	D						
W-830-57	RTN	11-Mar-02					16.2	D																
W-830-57	RTN	10-Apr-02																			2240			
W-830-57	RTN	10-Apr-02															1490	D						
W-830-57	RTN	10-Apr-02					16.7																	
W-830-57	RTN	22-Apr-02																			2240			
W-830-57	RTN	7-May-02																			2230			
W-830-57	RTN	7-May-02															1460	D						
W-830-57	RTN	7-May-02					17.6	D																
W-830-57	RTN	17-Jun-02																			2310			
W-830-57	RTN	17-Jun-02															1490	D						
W-830-57	RTN	17-Jun-02					17.5	D																
W-830-57	RTN	15-Jul-02																			2160			
W-830-57	RTN	15-Jul-02															1480	D						
W-830-57	RTN	15-Jul-02					17.1	D																
W-830-57	RTN	8-Aug-02																			2340			
W-830-57	RTN	8-Aug-02															1320	D						
W-830-57	RTN	8-Aug-02					17.2	D																
W-830-57	RTN	16-Sep-02																			2250			
W-830-57	RTN	16-Sep-02															1500	D						
W-830-57	RTN	16-Sep-02					17.7																	
W-830-57	RTN	21-Oct-02																			2220			
W-830-57	RTN	21-Oct-02															1520	D						

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L)	RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-830-57	RTN	21-Oct-02					16.9	D																	
W-830-57	RTN	6-Apr-04					16.8	D																	
W-830-57	RTN	25-Aug-04					17.8	D																	
W-830-57	RTN	5-Oct-04					18.2	D																	
W-830-58	RTN	31-Mar-00	0.44				93	D	319	D	120	D	<	5	U	148		1000	D			1580		7.84	
W-830-58	RTN	22-Jun-00					163	D																	
W-830-58	RTN	18-Aug-00					158	D																	
W-830-58	RTN	11-Dec-00					127	D																	
W-830-58	DUP	11-Dec-00					90	D																	
W-830-58	RTN	12-Feb-01					114	D																	
W-830-58	RTN	31-May-01					100	D																	
W-830-58	RTN	25-Sep-01					67	D														2900			
W-830-58	RTN	21-Dec-01					83	D														2700			
W-830-58	RTN	14-Mar-02					65	LOD														2700	LOU		
W-830-58	RTN	18-Jun-02					22	D														2600	L		
W-830-58	RTN	12-Aug-02					47	D														2700	L		
W-830-58	RTN	30-Dec-02					< 50	U																	
W-830-58	RTN	30-Dec-02																				2600			
W-830-58	RTN	21-Mar-03					57	D														2700			
W-830-58	DUP	21-Mar-03					61	D														2700			
W-830-58	RTN	10-Feb-04					45	DH																	
W-830-59	RTN	24-Aug-00	0.6				150	D	585	D	190	D	<	20	DU	242	D	1720	D			2840		8.03	
W-830-59	RTN	16-Nov-00					150	D																	
W-830-59	RTN	31-Jan-01					150	D																	
W-830-59	RTN	3-May-01					141	D														2770			
W-830-59	RTN	30-Aug-01					140	D														2500			
W-830-59	RTN	13-Dec-01					140	D														2800			
W-830-59	RTN	15-Mar-02																				2600			
W-830-59	RTN	18-Mar-02					150	D																	
W-830-59	RTN	10-Jun-02					148	D																	
W-830-59	RTN	13-Aug-02					130	D														1800	L		
W-830-59	RTN	27-Dec-02					150	DH														2700			
W-830-59	RTN	11-Jun-03					130	D														2700			
W-830-59	RTN	13-Jan-04					145	D																	
W-830-59	RTN	7-Apr-04					144	D																	
W-830-59	RTN	14-Jul-04					132	D																	
W-830-59	RTN	6-Oct-04					130	D																	
W-830-60	RTN	30-Jun-00	0.29				8.6		332	D	416	D	<	20	DU	192	D	1380	D			1900		7.94	
W-830-60	RTN	17-Aug-00					7.4	D																	
W-830-60	RTN	13-Feb-01					7.6	D																	
W-830-60	RTN	23-May-01					7.6	D																	
W-830-60	RTN	24-Sep-01					7.4															2100			
W-830-60	RTN	19-Dec-01					6.3															2000			
W-830-60	RTN	12-Mar-02					7.1															1900			
W-830-60	RTN	11-Jun-02					7	D																	
W-830-60	RTN	19-Aug-02					7.12																		
W-830-60	RTN	26-Dec-02					< 5	DU																	
W-830-60	RTN	26-Dec-02																				2000			
W-830-60	RTN	14-Mar-03					7.1	D																	
W-830-60	RTN	10-Feb-04					11	H																	
W-830-1730	RTN	19-Mar-02	0.72	H			< 0.4	HU	247		312	H		54		132		1090	D			1830		8.69	
W-830-1730	RTN	14-Jun-02					< 0.44	U																	
W-830-1730	RTN	24-Sep-02					0.74															1700			
W-830-1730	RTN	26-Dec-02					< 0.5	U																	

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-830-1730	RTN	26-Dec-02																			1700			
W-830-1730	RTN	21-Feb-03					0.98																	
W-830-1730	RTN	2-Feb-04					< 5	DU																
W-830-1807	RTN	14-Aug-02					110	D													1600			
W-830-1807	RTN	13-Jan-04					96.4	D																
W-830-1807	RTN	7-Apr-04					101	D																
W-830-1807	RTN	14-Apr-04	1.2				100	D	208		73		< 10	DHU	320	DH	1090	DH			1510		8.32	
W-830-1807	RTN	14-Jul-04					98.1	D																
W-830-1807	RTN	6-Oct-04					101	D																
W-830-1829	DUP	30-Jun-03					52	D													2200			
W-830-1829	RTN	30-Jun-03					55	D													2200			
W-830-1829	DUP	30-Jun-03																					8.21	
W-830-1829	DUP	30-Jun-03															1800							
W-830-1829	DUP	30-Jun-03							490	D	0.5	U												
W-830-1829	DUP	30-Jun-03	< 0.1	U			53	D					< 5	HU	170	H					2200	L		
W-830-1829	RTN	30-Jun-03																					8.18	
W-830-1829	RTN	30-Jun-03															2200							
W-830-1829	RTN	30-Jun-03							470	D	82													
W-830-1829	RTN	30-Jun-03	0.71				53	D					< 5	HU	190	H					2100	L		
W-830-1829	RTN	23-Sep-03					57	D													2100	H		
W-830-1829	RTN	6-Nov-03					62	DL													2200	H		
W-830-1829	RTN	6-Nov-03	0.68				74	D	480	D	230	D	< 25	DHU	170	HD	1400	H			2100	L	7.98	
W-830-1829	RTN	28-Jan-04					53	D																
W-830-1829	RTN	28-Jan-04	< 0.1	U			67	D	340	D	220	D	< 25	DHU	190	DH	1300	HL			2200		7.9	
W-830-1829	RTN	29-Apr-04	0.68				72	D	300	D	160	D	< 2	DHU	210	DH	1400	H			2100	H	8.2	
W-830-1829	RTN	29-Apr-04					72	D																
W-830-1830	RTN	30-Jun-03					97	D													2800			
W-830-1830	RTN	30-Jun-03																					7.94	
W-830-1830	RTN	30-Jun-03															1800							
W-830-1830	RTN	30-Jun-03							700	D	250	DL												
W-830-1830	RTN	30-Jun-03	0.67				96	D					< 5	HU	160	H					2700	L		
W-830-1830	RTN	23-Sep-03					97	D													2600	H		
W-830-1830	RTN	6-Nov-03					94	DL													2500	H		
W-830-1830	RTN	6-Nov-03	0.6				96	D	820	D	170	D	< 25	DHU	160	HD	1600	H			2600	L	7.78	
W-830-1830	RTN	28-Jan-04					91	D																
W-830-1830	RTN	28-Jan-04	< 0.1	U			85	D	490	D	160	D	< 25	DHU	180	DH	1400	HL			2100		7.8	
W-830-1830	RTN	29-Apr-04	0.43				67	D	480	D	120	D	< 2	DHU	160	DH	1600	H			2500	H	8.2	
W-830-1830	RTN	29-Apr-04					72																	
W-830-1831	RTN	18-Sep-03					2.8														2000	H		
W-830-1831	RTN	6-Nov-03					3.1	L													2000	H		
W-830-1831	RTN	10-Feb-04	< 1	DHU			5.5	DH	300	D	420	DH	< 5	HU	150	H	1300	H			1900	L	8	
W-830-1831	RTN	10-Feb-04					1.9	OH																
W-830-1831	RTN	26-Apr-04	0.61				2.1		330		100	HUD	17	H	160	H	1200				1800	L	8	
W-830-1831	RTN	26-Apr-04					2.2	H																
W-830-1832	RTN	10-Sep-03	0.5				3.2		220	D	410	D	< 25	DHU	240	DH	1200	H			1700		8.24	
W-830-1832	RTN	12-Sep-03					2.6																	
W-830-1832	RTN	6-Nov-03					3.2	L													1900	H		
W-830-1832	RTN	10-Feb-04	< 1	DHU			6.1	DH	220	D	380	DH	< 5	HU	210	H	1200	H			1700	L	8.2	
W-830-1832	RTN	10-Feb-04					3.5	H																
W-830-1832	RTN	26-Apr-04	0.43				2.7		240		100	HUD	12	H	200	H	1200				1600	L	8.1	
W-830-1832	RTN	26-Apr-04					2.9	H																
SVI-830-031	RTN	21-Feb-03					54.3																	
SVI-830-035	RTN	21-Feb-03					110	D																
SVI-830-035	RTN	29-Apr-04					88	D																

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_ TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L)	RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-831-01	RTN	17-Oct-88											<	1	P	160	P								
W-831-01	RTN	17-Oct-88							47	P	110	P						430	P			670	P	7.9	P
W-831-01	RTN	10-Dec-91							50	P	120	P	<	1	P	160	P	460	P			680	P	8	P
W-831-01	RTN	10-Dec-91			72	P																			
W-831-01	RTN	18-Jun-98					< 0.4	U																	
W-831-01	RTN	14-Jun-02					< 0.44	U																	
W-831-01	RTN	4-Nov-03					< 0.5	U															680	H	
W-832-01	RTN	21-Nov-94	0.58				93.03	D	440	D	380	D	<	1	U	290		1600				2600		7.5	
W-832-01	RTN	16-Mar-95	0.61				94		500	D	380		<	1	U	280		1800				2500		7.6	
W-832-01	DUP	16-Mar-95	0.62				94		490	D	390		<	1	U	270		1800				2100		7.6	
W-832-01	RTN	28-Jul-95					120	D																	
W-832-01	RTN	21-Dec-95					110	D																	
W-832-01	RTN	7-Feb-96					96	D																	
W-832-01	DUP	24-Jun-96					110	D																	
W-832-01	RTN	24-Jun-96					110	D																	
W-832-01	RTN	19-Dec-96					84	D																	
W-832-01	RTN	6-Mar-97					79	D																	
W-832-01	RTN	26-Jun-97					97	D																	
W-832-01	RTN	26-Jun-97					97	D																	
W-832-01	RTN	29-Aug-97					93	D																	
W-832-01	RTN	11-Dec-97					31	D																	
W-832-01	RTN	10-Mar-98					49	D																	
W-832-01	RTN	15-Jun-98					63	D																	
W-832-01	DUP	15-Jun-98					62	D																	
W-832-01	RTN	18-Sep-98					71	D																	
W-832-01	RTN	8-Dec-98					76	D																	
W-832-01	DUP	24-Feb-99					75	D																	
W-832-01	RTN	30-Jun-99					76	D																	
W-832-01	DUP	30-Jun-99					73	DS																	
W-832-01	RTN	30-Sep-99					91	D																	
W-832-01	RTN	21-Dec-99					78	DL																	
W-832-01	RTN	15-Mar-00					81	D																	
W-832-01	DUP	15-Mar-00					81	D																	
W-832-01	RTN	15-Mar-00					72	D																	
W-832-01	RTN	21-Apr-00					73	D																	
W-832-01	RTN	21-Jun-00					86.3	D																	
W-832-01	RTN	15-Aug-00					85.2	D																	
W-832-01	RTN	20-Nov-00					76.5	D																	
W-832-01	RTN	13-Feb-01					78.2	D																	
W-832-01	DUP	13-Feb-01					56	D																	
W-832-01	RTN	24-May-01					76.5	D																	
W-832-01	RTN	20-Sep-01					75																2300		
W-832-01	RTN	13-Dec-01					66	D																	
W-832-01	RTN	13-Dec-01					65	D															2700		
W-832-01	RTN	18-Mar-02					68	D															2500		
W-832-01	RTN	10-Jun-02					72.8	D																	
W-832-01	DUP	26-Sep-02					94	D																	
W-832-01	RTN	26-Sep-02					73	D															2500		
W-832-01	RTN	19-Mar-03					93	DL															2500		
W-832-01	RTN	29-Jan-04					73	D																	
W-832-05	RTN	16-Nov-94	0.68				124.04		810	D	550	D	<	1	U	230		2400				3900		7.7	
W-832-05	RTN	6-Dec-94	0.66	J			124.04	D	1200	D	400	D	<	1	U	200		2500				8300		7.4	
W-832-05	RTN	21-Dec-94	0.59				132.9	D	750	D	550	D	<	1	U	200		2500				3500		7.4	
W-832-05	RTN	9-Mar-95	0.67				140	D	630	D	780	D	<	1	U	210		2400				3200		7.7	

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_ TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L)	RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-832-05	RTN	28-Jul-95					130	D																	
W-832-05	RTN	8-Feb-96					100	D																	
W-832-05	RTN	24-Jun-96					120	D																	
W-832-05	RTN	24-Sep-96					110	D																	
W-832-05	RTN	6-Mar-97					98	D																	
W-832-05	RTN	26-Jun-97					45	D																	
W-832-05	RTN	29-Aug-97					102	D																	
W-832-05	RTN	8-Dec-97					124	D																	
W-832-05	RTN	24-Feb-98					115	D																	
W-832-05	RTN	24-Feb-98	0.72				110	D	480	D	430	D	<	1	U	300		2000				2700		7.7	
W-832-05	RTN	11-Jun-98					80	D																	
W-832-05	DUP	19-Aug-98					98	D																	
W-832-05	RTN	19-Aug-98					98	D																	
W-832-05	DUP	8-Dec-98					60	D																	
W-832-05	DUP	8-Dec-98	0.3				55	D	324	D	296	D	<	5	U	119		1200				1960		7.76	
W-832-05	RTN	8-Dec-98					75	D																	
W-832-05	RTN	8-Dec-98	0.43				75	D	440	D	400	D	<	1	U	74		1200				1700		7.7	
W-832-05	RTN	24-Feb-99					53	D																	
W-832-05	RTN	30-Jun-99					101	D																	
W-832-05	DUP	30-Jun-99					97	DL																	
W-832-05	RTN	24-Sep-99					96	D																	
W-832-05	RTN	21-Dec-99					120	DL																	
W-832-05	RTN	15-Mar-00					25	D																	
W-832-05	RTN	21-Jun-00					106	D	575	D	513	D													
W-832-05	DUP	21-Jun-00					90	D	530	D	560	D													
W-832-05	RTN	15-Aug-00					112	D	598	D	528	D													
W-832-05	RTN	15-Aug-00					98	D	650	D	460	D													
W-832-05	RTN	21-Nov-00					34.3		132		137														
W-832-05	RTN	13-Feb-01					0.83		0.8		1.1														
W-832-05	RTN	24-May-01					32.3	D	348	D	288	D													
W-832-05	DUP	24-May-01					9.9	L	120	DL	80	DL													
W-832-05	RTN	19-Sep-01					41		500	D	510	D													
W-832-05	DUP	14-Dec-01					1.7		6.7		3														
W-832-05	RTN	14-Dec-01					1.4				2.8	L										43			
W-832-05	RTN	14-Dec-01							1.2																
W-832-05	RTN	18-Mar-02					110	D	110	D	90	DL													
W-832-05	RTN	18-Jun-02					34	D	42	D	35	D													
W-832-05	RTN	25-Sep-02					89	D	540	DL	590	D													
W-832-05	RTN	19-Mar-03					2.2															140			
W-832-05	RTN	2-Feb-04					10	D																	
W-832-05	RTN	2-Feb-04	< 1	DU			10	D	55	D	42	D	<	25	DHU	150	DH	180	H			190	HO	7.4	H
W-832-06	RTN	9-Mar-95	0.39				22	D	810	D	750	D	<	1	U	93		2400				3400		8	
W-832-06	RTN	25-May-95					22																		
W-832-06	RTN	28-Jul-95					20																		
W-832-06	RTN	12-Dec-95					< 10	DU																	
W-832-06	RTN	7-Feb-96					< 0.5	U																	
W-832-06	RTN	24-Jun-96					16.4																		
W-832-06	RTN	24-Jun-96					15																		
W-832-06	RTN	24-Sep-96					15																		
W-832-06	RTN	6-Mar-97					16																		
W-832-06	RTN	26-Jun-97					18																		
W-832-06	RTN	29-Aug-97					14.6	D																	
W-832-06	RTN	8-Dec-97					14																		
W-832-06	RTN	10-Mar-98					18																		

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-832-06	RTN	28-May-98					20																	
W-832-06	RTN	19-Aug-98					19																	
W-832-06	RTN	8-Dec-98					19																	
W-832-06	DUP	24-Feb-99					18																	
W-832-06	RTN	24-Feb-99					19																	
W-832-06	RTN	30-Jun-99					20	D																
W-832-06	RTN	24-Sep-99					22	D																
W-832-06	RTN	21-Dec-99					21	L																
W-832-06	RTN	1-Feb-00					22	D																
W-832-06	RTN	21-Jun-00					22	D																
W-832-06	RTN	18-May-01					20.1	D																
W-832-06	RTN	19-Mar-03					19	DL													2900			
W-832-06	RTN	2-Feb-04					21	D																
W-832-09	RTN	21-Nov-94	0.36				< 44.3	DU	74	D	130	D	< 1	U	190		480				780		7.4	
W-832-09	RTN	16-Mar-95	0.42				< 0.5	U	62		120		< 1	U	190		530				710		7.4	
W-832-09	DUP	16-Mar-95	0.42				< 0.5	U	63		120		< 1	U	200		530				710		7.4	
W-832-09	RTN	28-Jul-95					< 0.5	U																
W-832-09	RTN	28-Jul-95					< 0.4	UL																
W-832-09	RTN	8-Dec-95					< 5	DU																
W-832-09	RTN	6-Feb-96					< 0.5	U																
W-832-09	RTN	19-Jun-96					< 0.5	U																
W-832-09	RTN	24-Sep-96					< 0.5	U																
W-832-09	RTN	17-Dec-96					< 0.5	U																
W-832-09	RTN	20-Jun-97					< 0.5	U																
W-832-09	RTN	24-Nov-97					< 0.4	U																
W-832-09	RTN	19-Mar-98					< 0.4	U																
W-832-09	RTN	18-Jun-98					< 0.4	U																
W-832-09	RTN	15-Dec-98					< 0.4	U																
W-832-09	RTN	15-Dec-98	0.36				< 0.4	U	63		115		< 5	U	201		544				785		7.93	
W-832-09	RTN	29-Jun-99					< 0.4	U																
W-832-09	RTN	30-Mar-00					< 0.5	U																
W-832-09	RTN	21-Jun-00					< 0.4	U																
W-832-09	RTN	15-May-01					< 0.44	U																
W-832-09	RTN	19-Sep-01																			770			
W-832-09	RTN	13-Dec-01																			820			
W-832-09	RTN	22-Mar-02																			770			
W-832-09	RTN	20-Mar-03																			820			
W-832-09	RTN	29-Jan-04					0.51																	
W-832-10	RTN	15-Jun-98					82	D																
W-832-10	RTN	15-Jun-98	0.92				82	D	680	D	490	D	< 1	U	220		2100				3000		8.1	
W-832-10	RTN	18-Sep-98					69	D																
W-832-10	RTN	8-Dec-98					66	D																
W-832-10	RTN	8-Dec-98	< 0.05	U			66	D	565	D	603	D	< 5	U	206		2140				3400		7.8	
W-832-10	RTN	24-Feb-99					63	DO																
W-832-10	RTN	29-Jun-99					65	D																
W-832-10	RTN	22-Sep-99					70	D																
W-832-10	RTN	20-Dec-99					63	D																
W-832-10	RTN	2-Feb-00					66	D																
W-832-10	RTN	21-Jun-00					70.7	D																
W-832-10	RTN	15-Aug-00					68.1	D																
W-832-10	RTN	20-Nov-00					68.7	D																
W-832-10	RTN	15-Feb-01					70.3	D																
W-832-10	RTN	22-May-01					64	DH																
W-832-10	RTN	20-Sep-01					74																	

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L)	RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-832-10	RTN	11-Dec-01					69	D																	
W-832-10	DUP	11-Dec-01					63	D																	
W-832-10	RTN	22-Mar-02					72	DL																	
W-832-10	DUP	20-Mar-03																				3200			
W-832-10	RTN	20-Mar-03																				3000			
W-832-10	RTN	9-Feb-04					90	D																	
W-832-11	RTN	15-Jun-98					56	D																	
W-832-11	RTN	15-Jun-98	0.94				49	D	350	D	390	D	<	1	U	270		1500				2200		8.1	
W-832-11	RTN	18-Sep-98					55	D																	
W-832-11	RTN	8-Dec-98					57	D																	
W-832-11	RTN	8-Dec-98	< 0.05	U			56	D	381	D	396	D	<	5	U	254		1520				2480		7.83	
W-832-11	RTN	24-Feb-99					58	D																	
W-832-11	RTN	29-Jun-99					62	D																	
W-832-11	RTN	23-Sep-99					68	D																	
W-832-11	RTN	20-Dec-99					56	DL																	
W-832-11	RTN	2-Feb-00					66	D																	
W-832-11	RTN	21-Jun-00					73.7	D																	
W-832-11	RTN	15-Aug-00					71.6	D																	
W-832-11	RTN	20-Nov-00					73.7	D																	
W-832-11	RTN	15-Feb-01					74.6	D																	
W-832-11	RTN	22-May-01					64	DH																	
W-832-11	RTN	20-Sep-01					72																		
W-832-11	RTN	11-Dec-01					63	D																	
W-832-11	RTN	22-Mar-02					79	DL																	
W-832-11	RTN	20-Mar-03																				2700			
W-832-11	RTN	9-Feb-04					89	D																	
W-832-12	RTN	16-Mar-98					97	D																	
W-832-12	RTN	16-Mar-98	0.84				89	D	200	D	330	D													
W-832-12	RTN	16-Mar-98	0.84				89	D	200	D	330	D	<	1	U	200		1500				2100		8	
W-832-12	RTN	11-Jun-98					93	DL																	
W-832-12	RTN	18-Sep-98					119	D																	
W-832-12	RTN	16-Mar-99					120	D																	
W-832-12	RTN	30-Jun-99					124	D																	
W-832-12	RTN	23-Mar-00					137	D																	
W-832-12	RTN	30-Jun-00					150	D																	
W-832-12	RTN	25-Sep-00					150	DH																	
W-832-12	RTN	5-Dec-00					155	H																	
W-832-12	RTN	7-Mar-01					142	DH																	
W-832-12	RTN	27-Jun-01					160	DH																	
W-832-12	RTN	25-Sep-01					150	D																	
W-832-12	RTN	13-Dec-01					140	D																	
W-832-12	RTN	15-Feb-02					100	DH																	
W-832-12	RTN	23-Apr-02					131	D																	
W-832-12	RTN	25-Jul-02					130	D																	
W-832-12	RTN	25-Nov-02					136	D																	
W-832-12	RTN	31-Mar-03					119	D																	
W-832-12	RTN	8-Jul-03					126	D																	
W-832-12	RTN	2-Oct-03					129	D																	
W-832-12	RTN	21-Jan-04					133	D																	
W-832-12	RTN	7-Apr-04					123	D																	
W-832-12	RTN	14-Jul-04					128	D																	
W-832-12	RTN	6-Oct-04					131	D																	
W-832-13	RTN	16-Mar-98					115	D																	
W-832-13	RTN	16-Mar-98	0.64				110	D	230	D	210	D													

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG		Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-832-13	RTN	16-Mar-98	0.64				110	D	230	D	210	D	<	1	U	200		1700				2500		7.9	
W-832-13	RTN	11-Jun-98					100	DL																	
W-832-13	RTN	18-Sep-98					98	D																	
W-832-13	RTN	16-Mar-99					63	D																	
W-832-13	RTN	30-Jun-99					130	D																	
W-832-13	RTN	23-Mar-00					151	D																	
W-832-13	RTN	7-Mar-01					137	DH																	
W-832-13	RTN	27-Jun-01					170	DH																	
W-832-13	RTN	13-Dec-01					140	D																	
W-832-13	RTN	31-Mar-03					135	D																	
W-832-13	RTN	8-Jul-03					127	D																	
W-832-13	RTN	2-Oct-03					117	D																	
W-832-13	RTN	21-Jan-04					138	D																	
W-832-13	RTN	7-Apr-04					137	D																	
W-832-13	RTN	14-Jul-04					140	D																	
W-832-13	RTN	6-Oct-04					67.3	D																	
W-832-14	RTN	17-Mar-98					49	D																	
W-832-14	RTN	17-Mar-98	0.76				44	D	200	D	380	D	<	1	U	250		1300				1800		8.1	
W-832-14	DUP	12-Jun-98					111	D																	
W-832-14	RTN	18-Sep-98					118	D																	
W-832-14	RTN	16-Mar-99					4.6																		
W-832-14	RTN	30-Jun-99					67	D																	
W-832-14	DUP	30-Jun-99					< 0.5	SU																	
W-832-14	RTN	23-Mar-00					79.8	D																	
W-832-14	RTN	30-Jun-00					68	D																	
W-832-14	RTN	14-Jul-04					86.8	D																	
W-832-15	RTN	16-Mar-98					120	D																	
W-832-15	RTN	16-Mar-98	0.77				93	D	210	D	370	D													
W-832-15	RTN	16-Mar-98	0.77				93	D	210	D	370	D	<	1	U	210		1600				2400		8	
W-832-15	RTN	11-Jun-98					99	DL																	
W-832-15	RTN	18-Sep-98					121	D																	
W-832-15	RTN	16-Mar-99					126	D																	
W-832-15	RTN	30-Jun-99					127	D																	
W-832-15	RTN	23-Mar-00					149	D																	
W-832-15	RTN	25-Sep-00					150	DH																	
W-832-15	RTN	7-Mar-01					137	DH																	
W-832-15	RTN	27-Jun-01					160	DH																	
W-832-15	RTN	25-Sep-01					150	D																	
W-832-15	RTN	13-Dec-01					97	D																	
W-832-15	RTN	15-Feb-02					110	DH																	
W-832-15	RTN	23-Apr-02					134	D																	
W-832-15	RTN	25-Jul-02					135	D																	
W-832-15	RTN	31-Mar-03					127	D																	
W-832-15	RTN	8-Jul-03					130	D																	
W-832-15	RTN	2-Oct-03					134	D																	
W-832-15	RTN	21-Jan-04					135	D																	
W-832-15	RTN	7-Apr-04					128	D																	
W-832-15	RTN	14-Jul-04					129	D																	
W-832-16	RTN	16-Mar-98					177	D																	
W-832-16	RTN	16-Mar-98	0.66				170	D	170	D	440	D													
W-832-16	RTN	16-Mar-98	0.66				170	D	170	D	440	D	<	1	U	560		2700				3500		7.8	
W-832-16	RTN	11-Jun-98					110	DL																	
W-832-16	RTN	18-Sep-98					94	D																	
W-832-16	RTN	16-Mar-99					< 4.4	DU																	

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_ TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L)		Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG		Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-832-16	RTN	30-Jun-99					< 0.4	UL																	
W-832-17	RTN	17-Mar-98					49	D																	
W-832-17	RTN	17-Mar-98	1.3	D			42	D	160	D	700	D	<	1	U	250		1800				2200		8.1	
W-832-17	DUP	11-Jun-98					66	D																	
W-832-17	RTN	18-Sep-98					49	D																	
W-832-17	RTN	16-Mar-99					58	D																	
W-832-17	RTN	30-Jun-99					26	D																	
W-832-18	RTN	24-Mar-98	0.37				53	D	860	D	1200	D	<	1	U	130		3000				4300		7.7	
W-832-18	RTN	25-Mar-98					60	D																	
W-832-18	DUP	12-Jun-98					47	D																	
W-832-18	DUP	18-Sep-98					47	D																	
W-832-18	RTN	16-Mar-99					51	D																	
W-832-18	RTN	31-Mar-03					9.8	D																	
W-832-18	RTN	8-Jul-03					12	D																	
W-832-18	RTN	2-Oct-03					36.3	D																	
W-832-19	RTN	24-Mar-98					77	D																	
W-832-19	RTN	24-Mar-98	1.1	D			71	D	170	D	240	D	<	1	U	380		1100				1600		7.8	
W-832-19	RTN	12-Jun-98					85	D																	
W-832-19	RTN	18-Sep-98					86	D																	
W-832-19	RTN	16-Mar-99					91	D																	
W-832-19	RTN	30-Jun-99					8.8	L																	
W-832-19	RTN	23-Sep-99					120	D																	
W-832-19	RTN	22-Jun-00					100	D																	
W-832-19	DUP	22-Jun-00					87	D																	
W-832-19	RTN	15-Aug-00					94	D																	
W-832-19	RTN	15-Aug-00					83	D																	
W-832-19	RTN	21-Nov-00					93	DH																	
W-832-19	RTN	22-May-01					101.2	D																	
W-832-19	RTN	20-Sep-01					110																		
W-832-19	RTN	20-Sep-01					97.4	D																	
W-832-19	RTN	18-Mar-02					82	DH																	
W-832-19	RTN	21-Mar-03					88	D														1900			
W-832-20	RTN	25-Mar-98					62	D																	
W-832-20	RTN	25-Mar-98	0.56				59	D	380	D	850	D	<	1	U	130		2100				2800		7.9	
W-832-20	DUP	12-Jun-98					49	D																	
W-832-20	RTN	18-Sep-98					37	D																	
W-832-20	RTN	16-Mar-99					25	D																	
W-832-20	RTN	23-Mar-00					46	D																	
W-832-21	RTN	11-Jun-98					57	DL																	
W-832-23	RTN	24-Mar-99	0.36				93	D	846	D	618	D	<	5	U	122		2540				3940		7.85	
W-832-23	RTN	29-Jun-99					62	D																	
W-832-23	RTN	24-Sep-99					82	D																	
W-832-23	RTN	21-Dec-99					100	D																	
W-832-23	RTN	1-Feb-00					110	D																	
W-832-23	RTN	22-Jun-00					98	D																	
W-832-23	RTN	31-Jul-00					92	D																	
W-832-23	RTN	21-Nov-00					102	DH																	
W-832-23	RTN	12-Feb-01					89	DH																	
W-832-23	RTN	23-May-01					100	DH																	
W-832-23	RTN	20-Sep-01					110																		
W-832-23	RTN	20-Sep-01					97.4	D																	
W-832-23	RTN	18-Dec-01					120	DH														3300			
W-832-23	RTN	18-Mar-02					100	D																	
W-832-23	RTN	21-Mar-03					81	D														3100			

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG		Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																		
W-832-23	RTN	9-Feb-04					110	D																	
W-832-24	RTN	24-Mar-99	0.39				86	D	1110	D	428	D	<	5	U	114		2700				4390		7.86	
W-832-24	RTN	29-Jun-99					75	D																	
W-832-24	RTN	24-Sep-99					62	D																	
W-832-24	RTN	2-Feb-00					48	D																	
W-832-24	RTN	22-Jun-00					67	D																	
W-832-24	RTN	15-Aug-00					61	D																	
W-832-24	RTN	21-Nov-00					53	DH																	
W-832-24	RTN	13-Feb-01					40	DH																	
W-832-24	RTN	23-May-01					43	DH																	
W-832-24	RTN	18-Sep-01					46															3600			
W-832-24	RTN	18-Sep-01					39.4	HD																	
W-832-24	RTN	11-Dec-01					35	D														3100			
W-832-24	RTN	18-Mar-02					40	D														3200			
W-832-24	RTN	21-Mar-03					72	D														4200			
W-832-24	RTN	9-Feb-04					55	D																	
W-832-25	RTN	15-Feb-00	0.82				110	D	534	D	347	D	<	5	U	228		1730	D			2570		8.04	
W-832-25	RTN	23-Jun-00					102	D																	
W-832-25	RTN	16-Aug-00					98.8	D																	
W-832-25	RTN	19-Dec-00					92.5	D																	
W-832-25	RTN	15-Feb-01					96	D																	
W-832-25	RTN	23-May-01					96.7	D																	
W-832-25	RTN	25-Sep-01					88	D														2500			
W-832-25	DUP	25-Sep-01					86	D														2500			
W-832-25	RTN	11-Dec-01					88	D														2400			
W-832-25	DUP	22-Mar-02					95	DL														2500			
W-832-25	RTN	22-Mar-02					110	DL														2500			
W-832-25	RTN	26-Sep-02																				2300			
W-832-25	DUP	24-Mar-03					89	D														2600			
W-832-25	RTN	24-Mar-03					87	D														2600			
W-832-25	RTN	9-Feb-04					90	D																	
W-832-SC1	RTN	8-Jun-98					56	DLO																	
W-832-SC1	DUP	28-Dec-98					53	D																	
W-832-SC1	DUP	28-Dec-98	0.63				50	DL	340	D	190	D	<	5	U	248		1240				2040		7.7	
W-832-SC1	RTN	28-Dec-98	0.62				62	D	330	D	190	D	<	1	U	220		1200				1900		7.7	
W-832-SC1	RTN	28-Dec-98					62	D																	
W-832-SC1	RTN	1-Feb-00					1.3																		
W-832-SC1	RTN	25-Mar-03					< 0.5	U														6100			
W-832-SC1	RTN	27-Oct-03					< 5	DU														3400	H		
W-832-SC2	RTN	8-Jun-98					0.5	LO																	
W-832-SC2	RTN	28-Dec-98					5																		
W-832-SC2	RTN	1-Feb-00					17																		
W-832-SC2	RTN	17-Dec-01					< 0.5	U														3400			
W-832-SC3	DUP	8-Jun-98					30	DLO																	
W-832-SC3	RTN	8-Jun-98					31	D																	
W-832-SC3	RTN	22-Dec-98					9.9	L																	
W-832-SC3	RTN	17-Dec-01					25	D														2900			
W-832-SC3	RTN	25-Mar-03					0.92															2900			
W-832-SC4	RTN	8-Jun-98					48	DLO																	
W-832-SC4	RTN	28-Dec-98					45	D																	
W-832-SC4	RTN	28-Dec-98	0.72				44	D	319	D	170	D	<	5	U	391		1300				2140		7.8	
W-832-SC4	RTN	1-Feb-00					57	D																	
W-832-SC4	RTN	21-Mar-03					51	DH														2200			
W-832-SC4	RTN	2-Feb-04					66.6																		

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_ TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-832-1927	RTN	24-Sep-03					56	D													2100	H		
W-832-1927	RTN	6-Nov-03					59	DL													2200	H		
W-832-1927	RTN	11-Feb-04	1.6	DH			59	DH	460	HD	230	DH	< 25	DHU	910	DH	1300	H			2100	L	8	
W-832-1927	RTN	11-Feb-04					64	D																
W-832-1927	RTN	26-Apr-04	0.91				60	D	< 1	U	100	HUD	12	H	180	H	1300				1900	L	8.1	
W-832-1927	RTN	26-Apr-04					6.7	H																
W-870-01	RTN	18-Mar-98					62	D																
W-870-01	RTN	18-Mar-98	0.4				58	D	200	D	330	D	< 1	U	380		1300				1900		7.2	
W-870-01	RTN	27-May-98					53	D																
W-870-01	RTN	27-May-98	0.43	H			44	D	250	D	240		< 1	U	320		1300				1600		7.4	
W-870-02	DUP	18-Jun-97					26.2	D																
W-870-02	DUP	18-Jun-97	0.56				27	D	202	D	160	D	< 1	U	371		1020				1640		8.14	
W-870-02	RTN	18-Jun-97					27	D																
W-870-02	RTN	18-Jun-97	0.75	LO			27	D	200	D	180	D	< 1	U	350		910				1600		8.3	
W-870-02	RTN	8-Sep-97					27	D																
W-870-02	RTN	4-Dec-97					27	D																
W-870-02	DUP	20-Mar-98					25	D																
W-870-02	RTN	20-Mar-98					25	D																
W-870-02	RTN	27-May-98					26	D																
W-870-02	RTN	30-Sep-98					24																	
W-870-02	RTN	22-Dec-98					20	LD																
W-870-02	RTN	23-Feb-99					23	D																
W-870-02	RTN	30-Jun-99					27	DL																
W-870-02	RTN	29-Sep-99					29	DL																
W-870-02	RTN	22-Dec-99					31	DL																
W-870-02	RTN	3-Feb-00					36	D																
W-870-02	RTN	30-Jun-00					32	D																
W-870-02	RTN	16-Aug-00					33.3																	
W-870-02	RTN	13-Dec-00					32																	
W-870-02	RTN	20-Feb-01					32.8																	
W-870-02	RTN	31-May-01					31.9																	
W-870-02	RTN	25-Sep-01					32.1																	
W-870-02	RTN	25-Sep-01					30	D																
W-870-02	RTN	14-Dec-01					30	D																
W-870-02	RTN	22-Mar-02					35	DL																
W-870-02	RTN	26-Jun-02					45																	
W-870-02	RTN	30-Sep-02					32	D																
W-870-02	RTN	21-Mar-03					35	D													1600			
W-870-02	RTN	10-Feb-04					3.6	H																
W-880-01	RTN	24-Jan-96	0.76	D			< 0.5	U	260	D	210	D	< 1	U	220		980				1400		8.1	
W-880-01	RTN	11-Jun-96					< 0.5	U																
W-880-01	RTN	22-Aug-96					< 0.5	UO																
W-880-01	RTN	27-Dec-96					< 0.5	U																
W-880-01	RTN	16-Apr-97					< 2.5	DU																
W-880-01	RTN	12-Dec-97					< 0.4	U																
W-880-01	RTN	11-Feb-98					0.44																	
W-880-01	RTN	13-May-98					< 0.4	U																
W-880-01	RTN	10-Dec-98					< 0.4	U																
W-880-01	RTN	10-Dec-98	0.97				< 0.4	U	225	D	205	D	22		211		995				1650		8.39	
W-880-01	RTN	22-Feb-99					< 0.4	U																
W-880-01	RTN	18-Jun-99					< 0.5	SU																
W-880-01	RTN	30-Aug-99					< 0.5	SU																
W-880-01	RTN	13-Dec-99					< 5	DOSU																
W-880-01	RTN	1-Mar-00					26	D																

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-880-01	RTN	13-Jun-00					< 0.44	U																
W-880-01	RTN	27-Jul-00					< 0.4	U																
W-880-01	RTN	31-Oct-00					< 0.44	U																
W-880-01	RTN	24-Jan-01					< 0.44	U																
W-880-01	RTN	23-Apr-01					0.55																	
W-880-01	RTN	26-Sep-01					< 0.44	U																
W-880-01	RTN	20-Nov-01					< 0.44	U																
W-880-01	RTN	24-Jan-02					< 0.4	U																
W-880-01	RTN	21-Jun-02					< 0.1	U																
W-880-01	RTN	28-Aug-02					< 0.44	U																
W-880-01	RTN	20-Dec-02					< 0.1	U																
W-880-01	RTN	14-Mar-03					< 0.44	U																
W-880-01	RTN	23-Jul-03					< 0.44	U																
W-880-01	RTN	17-Feb-04					< 0.44	U																
W-880-01	RTN	7-Jul-04					< 0.44	U																
W-880-02	RTN	26-Jan-96	0.44				3.9		220	D	180	D	< 1	U	340		130				1500		7.3	
W-880-02	DUP	17-Jun-96					7.2	LO																
W-880-02	RTN	17-Jun-96					6.9	LO																
W-880-02	RTN	19-Jun-97					9.9	D																
W-880-02	RTN	13-Nov-97					0.56																	
W-880-02	RTN	11-Feb-98					13																	
W-880-02	RTN	13-May-98					17																	
W-880-02	RTN	19-Feb-99					8.1																	
W-880-02	RTN	11-Mar-99					25	D																
W-880-02	RTN	25-Jun-99							180	D														
W-880-02	RTN	25-Jun-99					< 0.5	LOSU																
W-880-02	RTN	30-Aug-99					< 0.5	SU																
W-880-02	RTN	8-Dec-99					< 0.5	DU																
W-880-02	RTN	1-Mar-00					120	D																
W-880-02	RTN	19-Jun-00					27.3																	
W-880-02	RTN	27-Jul-00					17.9	D																
W-880-02	RTN	30-Oct-00					8.3																	
W-880-02	RTN	24-Jan-01					3.4																	
W-880-02	RTN	20-Apr-01					13.6																	
W-880-02	RTN	23-Jul-01					10.5																	
W-880-02	RTN	27-Sep-01																			1700			
W-880-02	RTN	20-Nov-01					< 0.88	DU																
W-880-02	RTN	24-Jan-02					< 0.88	DU																
W-880-02	RTN	21-Jun-02					< 0.1	U																
W-880-02	RTN	28-Aug-02					< 0.88	DU																
W-880-02	RTN	19-Dec-02					< 2.2	DU																
W-880-02	RTN	14-Mar-03					< 0.88	DU																
W-880-02	RTN	23-Jul-03					< 0.88	DU																
W-880-02	RTN	5-Feb-04					1.3	D																
W-880-02	RTN	7-Jul-04					< 0.88	DU																
W-880-03	RTN	24-Jan-96	0.91	D			< 0.5	U	270	D	310	D	20		150		1100				1600		8.3	
W-880-03	DUP	24-Jan-96	0.93	D			< 0.5	U	270	D	300	D	20		160		1100				1600		8.4	
W-880-03	RTN	17-Jun-96					< 0.5	ULO																
W-880-03	RTN	22-Aug-96					< 0.5	UO																
W-880-03	RTN	27-Dec-96					< 0.5	U																
W-880-03	RTN	16-Apr-97					< 0.5	U																
W-880-03	RTN	12-Dec-97					< 0.4	U																
W-880-03	RTN	11-Feb-98					< 0.4	U																
W-880-03	RTN	13-May-98					< 0.4	U																

Table A-22. Anions in ground water and surface water, Building 832 Canyon OU.

LOCATION	SAMPLE_TYPE	SAMPLED	Fluoride (mg/L) RESULT	FLAG	Silica (mg/L) RESULT	FLAG	Nitrate as (NO3) (mg/L) RESULT	FLAG	Chloride (mg/L) RESULT	FLAG	Sulfate (mg/L) RESULT	FLAG	Carbonate (mg/L) RESULT	FLAG	Bicar-bonate (mg/L) RESULT	FLAG	TDS (mg/L) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	Spec Cond (umhos/cm) RESULT	FLAG	pH (Units) RESULT	FLAG
W-35B-01	RTN	19-Nov-97					9.3																	
W-880-03	RTN	10-Dec-98					< 0.4	U																
W-880-03	RTN	10-Dec-98	1.2				< 0.4	U	231	D	315	D	20		186		1120				1960		8.38	
W-880-03	RTN	22-Feb-99					< 0.4	U																
W-880-03	RTN	18-Jun-99					< 0.5	SU																
W-880-03	RTN	30-Aug-99					< 0.5	SU																
W-880-03	RTN	13-Dec-99					< 5	DOSU																
W-880-03	RTN	7-Mar-00					1.2	L																
W-880-03	RTN	13-Jun-00					< 0.44	U																
W-880-03	RTN	27-Jul-00					< 0.4	U																
W-880-03	RTN	31-Oct-00					< 0.44	U																
W-880-03	RTN	24-Jan-01					< 0.44	U																
W-880-03	RTN	23-Apr-01					< 0.44	U																
W-880-03	RTN	21-Aug-01					< 0.44	U																
W-880-03	RTN	27-Sep-01																			1700			
W-880-03	RTN	20-Nov-01					< 0.44	U																
W-880-03	RTN	24-Jan-02					< 0.4	U																
W-880-03	RTN	21-Jun-02					< 0.1	U																
W-880-03	RTN	28-Aug-02					< 0.44	U																
W-880-03	RTN	20-Dec-02					< 0.1	U																
W-880-03	RTN	14-Mar-03					< 0.44	U																
W-880-03	RTN	23-Jul-03					< 0.44	U																
W-880-03	RTN	17-Feb-04					< 0.88	DU																
W-880-03	RTN	7-Jul-04					< 0.44	U																
SPRING3	RTN	3-Sep-93	1.3				43.414		250		140		< 1	U	400		1100		1700				7.5	
SPRING3	RTN	3-Sep-93			63																			
SPRING3	RTN	20-Apr-94	1	D			53.16	D	280	D	150	D	< 1	U	250		1000				1700		7.2	
SPRING3	RTN	24-Oct-95	1.1	D			30	D	420	D	220	D	< 1	U	390		1300				2200		7.3	
SPRING3	RTN	24-Oct-95	1.4	D			37		370	D	240	D					1400				2300		7.5	
SPRING3	RTN	21-Jun-96	0.96				34.1	D	372	D	218	D		17	350		1390				2340		8.8	
SPRING3	RTN	21-Jun-96	1.1	LO			36		450	LO	240		< 1	U	350		1400				2100		7.6	
SPRING3	RTN	8-Jun-98					52	DLO																
SPRING3	RTN	28-Dec-98					42	D																
SPRING3	RTN	28-Dec-98	0.62				38	D	327	D	185	D	< 5	U	297		1220				2080		7.53	
SPRING3	RTN	30-Jun-99					13	DL																
SPRING3	DUP	30-Jun-99					< 0.5	SU																
SPRING3	RTN	23-May-00					26	D																
SPRING3	RTN	1-May-01					50	D																
SPRING3	DUP	1-May-01					50	D																
SPRING3	RTN	19-Sep-01																			1900			
SPRING3	RTN	20-Jun-02					30.1																	
SPRING3	RTN	25-Mar-03					43	D													2200			
SPRING3	RTN	27-Oct-03					54	D													1500	H		
SPRING3	RTN	26-Jul-04					50	D																
SPRING4	RTN	20-Apr-94	1.3	D			< 22.15	DU	130	D	28	D	< 1	U	630		1100				1500		7.8	
SPRING4	RTN	31-Oct-95	2.1	D			62	D	140	D	35	D	< 1	U	480		500				1500		7.9	
SPRING4	RTN	21-Jun-96	1.3	LO			43		160	LO	27		< 1	U	470		860				1300		7.7	
SPRING4	RTN	17-Dec-98					71	D																
SPRING4	RTN	17-Dec-98	1.4	D			71	D	120	D	29		< 1	U	330		220				1100		7.8	
SPRING4	RTN	18-Mar-99					75	D																
SPRING4	RTN	1-Jun-00					9	L																
SPRING4	RTN	1-Jun-00	2.9				8.6		200	D	50	D	< 11	DU	786	D	1220	D			1780		8.22	
SPRING4	RTN	17-Dec-03					90	D													1300			
SPRING19	RTN	17-Dec-98	1.7	D			34	D	170	D	51	D	< 1	U	290		760				1200		8.3	

Table A-23. Cations in ground water and surface water (mg/L), Building 832 Canyon OU.

			Sodium		Potassium		Calcium		Magnesium		Iron		Manganese		Copper		Zinc		Boron		Aluminum	
			mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-35B-01	RTN	20-Nov-97	140	LO	6		79		35		< 0.1	U	0.042		< 0.05	U	< 0.05	U			< 0.2	U
W-35B-01	RTN	22-Jun-98															< 0.02	UL				
W-35B-01	RTN	3-Dec-98	150	L	5.3		109	L	55	L	< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-35C-06	RTN	8-Jan-91	210	P	7	P	170	P	75	P	< 0.1	P	0.06	P	0.06	P	0.16	P				
W-35C-06	RTN	13-May-91	160	P	6.2	P	120	P	50	P	< 0.1	P	< 0.05	P	< 0.05	P	< 0.05	P				
W-4C	RTN	10-Mar-92	440	P	78	P	5.8	P	< 0.5	P	< 0.1	P	< 0.04	P	< 0.05	P	< 0.05	P				
W-4C	RTN	10-Mar-92																			1.1	P
W-4C	RTN	11-May-98															< 0.02	U				
W-6BS	RTN	10-Mar-88	190	P	5	P	100	P	36	P	0.05	P	< 0.01	P	< 0.02	P	< 0.01	P				
W-6BS	RTN	3-Nov-88	230	P	4.6	P	98	P	47	P	< 0.04	P	< 0.04	P	< 0.08	P	0.02	P				
W-6BS	RTN	13-May-98															< 0.02	U				
W-6ES	RTN	4-Nov-88	170	P	5.3	P	133	P	102	P	< 0.04	P	< 0.04	P	< 0.08	P	0.04	P				
W-6ES	RTN	13-May-91	170	P	5.6	P	110	P	50	P	< 0.1	P	< 0.05	P	< 0.05	P	< 0.05	P				
W-6ES	RTN	13-May-98															< 0.02	U				
W-814-04	RTN	3-May-94	450		15		47		6.8		< 0.1	U	0.36		< 0.05	U	0.2				< 0.2	U
W-814-04	RTN	3-May-94													0.0094		0.126					
W-814-04	RTN	6-Dec-94	470		15		25		4		< 0.1	U	0.078		< 0.05	U	< 0.05	U			< 0.2	U
W-814-04	RTN	21-May-98															< 0.02	U				
W-830-04A	RTN	18-Oct-88	250	P	12	P	30	P	14	P	< 0.04	P	0.06	P	< 0.08	P	< 0.01	P				
W-830-05	RTN	18-Oct-88	200	P	9.3	P	25	P	8	P	< 0.04	P	< 0.04	P	< 0.08	P	0.03	P				
W-830-05	RTN	28-Dec-98	224	O	11		27		9.9		0.052		< 0.01	U	< 0.01	U	0.015				< 0.05	U
W-830-05	DUP	28-Dec-98	231	L	11		27		10		0.064		< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-830-09	RTN	17-Oct-88	240	P	21	P	140	P	53	P	13	P	0.98	P	< 0.02	P	< 0.01	P				
W-830-09	RTN	3-Nov-94	300		32		140		40		< 0.1	U	0.061		< 0.05	U	< 0.05	U			< 0.2	U
W-830-10	RTN	18-Mar-92	310	P	16	P	45	P	18	P	< 0.1	P	< 0.05	P	< 0.05	P	< 0.05	P				
W-830-10	RTN	18-Mar-92																			< 0.2	P
W-830-10	RTN	24-Feb-98	300	LO	15		39		17		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-10	RTN	24-Feb-98									< 0.1	U	< 0.03	U	< 0.01	U	< 0.02	U	1.9		< 0.2	U
W-830-10	RTN	23-Dec-98	302		15		43		20		< 0.05	UH	< 0.01	UH	< 0.01	UH	< 0.01	UH			< 0.05	UH
W-830-11	RTN	25-Jun-92	280	P	16	P	54	P	12	P	< 0.1	P	< 0.05	P	< 0.05	P	< 0.05	P				
W-830-11	RTN	23-Dec-98	230		13		32		14		< 0.05	UH	< 0.01	UH	< 0.01	UH	< 0.01	UH			< 0.05	UH
W-830-12	RTN	21-Dec-94	89		6.2		43		22		< 0.1	U	0.13		< 0.05	U	< 0.05	U			< 0.2	U
W-830-12	RTN	8-Mar-95	83		5.9		40		21		< 0.1	U	0.12		< 0.05	U	< 0.05	U			< 0.2	U
W-830-13	RTN	16-Mar-95	330		12		41		17		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-14	RTN	16-Mar-95	350		13		27		4.4		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-15	RTN	16-Mar-95	370		9.8		15		2		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-16	RTN	25-Jan-96	350	LO	14		15		0.53		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-17	RTN	25-Jan-96	290	LO	11		12		4.5		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-18	RTN	28-Jun-96	300		20		83		36		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-18	RTN	25-Nov-98	282		19		81		39		< 0.05	U	0.13		< 0.01	U	< 0.01	U			< 0.05	U
W-830-18	RTN	23-Dec-02	260	DL	30	L	85		38		< 0.1	U	0.13		< 0.05	U	< 0.05	U			< 0.2	LU
W-830-19	RTN	28-Jun-96	520		22		66		32		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-19	RTN	24-Feb-98	510	LO	22		54		29		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-19	RTN	24-Feb-98									0.35		< 0.03	U	< 0.01	U	0.02		2.5		0.27	
W-830-19	RTN	25-Nov-98	525		23		64		34		< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-830-19	RTN	26-Dec-02	430	LO	22		48		24	LO	0.18		< 0.01	U	< 0.01	U	< 0.05	U			< 0.1	U
W-830-19	DUP	19-Mar-03	470	L	20		49	L	24		< 0.05	U	< 0.01	U	< 0.01	U	< 0.05	U			< 0.05	U
W-830-19	RTN	19-Mar-03	420	L	21		52	L	30		< 0.1	U	< 0.01	U	< 0.01	U	< 0.05	U			< 0.1	LU
W-830-20	RTN	24-Sep-96	250		20		69		25		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-21	RTN	19-Sep-96	480	L	27		95		52		< 0.1	U	0.14		< 0.05	U	< 0.05	U			< 0.2	U

Table A-23. Cations in ground water and surface water (mg/L), Building 832 Canyon OU.

		Sodium		Potassium		Calcium		Magnesium		Iron		Manganese		Copper		Zinc		Boron		Aluminum	
		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-21	RTN	25-Nov-98	295		19		56		33		< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-830-21	DUP	23-Dec-02	270	DL	29	L	55		30		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	LU
W-830-21	RTN	23-Dec-02	260	DL	29	L	55		29		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	LU
W-830-22	RTN	20-Sep-96	540	L	130		52		< 0.5	U	< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			1.2	
W-830-22	RTN	25-Nov-98	300		24		24		1.5		< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-830-22	RTN	26-Dec-02	310	LO	21		33		0.93	LO	< 0.1	U	< 0.01	U	< 0.01	U	< 0.05	U			< 0.1	U
W-830-22	RTN	19-Mar-03	290	L	19		38	L	1.7		< 0.1	U	< 0.01	U	< 0.01	U	< 0.05	U			< 0.1	LU
W-830-25	RTN	24-Feb-98	380	LO	19		62		35		0.1		< 0.03	U	< 0.05	U	< 0.05	U			0.22	
W-830-25	RTN	24-Feb-98									0.99		< 0.03	U	< 0.01	U	< 0.02	U	2.4		0.92	
W-830-25	RTN	25-Nov-98	360		20		65		38		< 0.05	U	0.011		< 0.01	U	0.038				< 0.05	U
W-830-25	RTN	30-Dec-02	350	L	23		80		42		1.5		0.037		< 0.01	U	< 0.05	U			0.63	L
W-830-26	RTN	20-Sep-96	310	L	41		46		35		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-26	RTN	25-Nov-98	296		38		47		31		< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-830-26	RTN	19-Mar-03	170	L	51		10	L	3.7		0.2		< 0.01	U	< 0.01	U	< 0.05	U			< 0.1	LU
W-830-27	RTN	19-Sep-96	320	L	20		66		39		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-27	RTN	25-Nov-98	303		20		49		32		< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-830-27	RTN	30-Dec-02	360	L	25		81		46		0.26		< 0.01	U	< 0.01	U	< 0.05	U			< 0.1	LU
W-830-28	RTN	23-Sep-96	290	L	23		99		2.7		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-28	RTN	25-Nov-98	275		30		104		0.13		< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			0.14	
W-830-28	DUP	30-Dec-02	270	L	29		120		< 0.1	U	< 0.1	U	< 0.01	U	< 0.01	U	< 0.05	U			0.13	L
W-830-28	RTN	30-Dec-02	270	L	30		130		< 0.1	U	0.12		< 0.01	U	< 0.01	U	< 0.05	U			0.17	
W-830-29	RTN	17-Mar-97	120	LO	9.8		34		12		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-29	RTN	19-Mar-03	84	L	7.6		41	L	21		< 0.1	U	0.14		< 0.01	U	< 0.05	U			< 0.1	LU
W-830-30	RTN	11-Mar-97	250	LO	8.5		15		8.6		2.3		< 0.03	U	< 0.05	U	< 0.05	U			6.1	
W-830-30	RTN	25-Feb-98	310	LO	9.1		25		12		0.7		< 0.03	U	< 0.05	U	< 0.05	U			1.6	
W-830-30	RTN	25-Feb-98									4.8	L	0.11		< 0.01	U	0.03		1.4		4	L
W-830-30	RTN	27-Dec-02	290	H	11	H	27	H	11	HL	0.21	H	< 0.01	UH	< 0.01	UH	< 0.05	UH			< 0.1	UH
W-830-34	RTN	11-Mar-97	290	LO	14		29		13		1.6		< 0.03	U	< 0.05	U	< 0.05	U			2.9	
W-830-34	RTN	10-Mar-98	260	LO	12		25		10		0.84		< 0.03	U	< 0.05	U	< 0.05	U			1.3	
W-830-34	RTN	10-Mar-98									16		0.25		0.036		0.061		1.9		16	
W-830-34	RTN	27-Dec-02	250	H	14	H	31	H	10	HL	0.27	H	< 0.01	UH	< 0.01	UH	< 0.05	UH			< 0.1	UH
W-830-49	RTN	15-Jun-98	830	L	36		200		84		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-49	RTN	15-Dec-98	567		25		71		41		< 0.05	U	0.022		< 0.01	U	0.028				< 0.05	U
W-830-49	RTN	17-Jun-02	390	L	190		47	L	23	L	< 0.05	U	< 0.01	U	< 0.01	U	0.35				< 0.05	U
W-830-49	RTN	27-Dec-02	390	H	22	H	48	H	22	HL	0.2	H	< 0.01	UH	< 0.01	UH	0.38	H			< 0.1	UH
W-830-50	RTN	1-Apr-99	260		14		36		9.8		< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-830-50	RTN	14-Sep-99	260	DL	14		38		9.3		< 0.1	U	< 0.03	LU	< 0.05	LU	< 0.05	U			< 0.2	U
W-830-50	RTN	26-Dec-02	270	LO	16		41		9.9	LO	< 0.1	U	< 0.01	U	< 0.01	U	< 0.05	U			< 0.1	U
W-830-50	RTN	25-Mar-03	270		17		40		9.6		< 0.1	U	< 0.01	U	< 0.01	U	< 0.05	U			< 0.1	U
W-830-51	RTN	10-Sep-99	308	L	18		55	L	23		< 0.05	U	0.025		< 0.01	U	0.051				< 0.05	U
W-830-52	RTN	15-Feb-00	280	L	16		47	L	21		< 0.05	U	< 0.01	U	< 0.01	U	< 0.05	U			< 0.05	U
W-830-53	RTN	15-Feb-00	290	L	18		57	L	19		< 0.05	U	< 0.01	U	< 0.01	U	< 0.05	U			< 0.05	U
W-830-54	RTN	18-Feb-00	350	L	11		22		8.2		< 0.05	U	< 0.01	U	< 0.01	U	< 0.05	U			< 0.05	U
W-830-55	RTN	18-Feb-00	290	L	18		58		16		< 0.05	U	0.073		< 0.01	U	< 0.05	U			< 0.05	U
W-830-56	RTN	11-Feb-00	300		18		75		3.8		< 0.05	U	0.011		< 0.01	U	< 0.05	U			< 0.05	U
W-830-57	RTN	30-Mar-00	300		21		110		43		< 0.05	LU	< 0.01	U	< 0.01	U	< 0.05	U			< 0.05	U
W-830-58	RTN	31-Mar-00	240	L	11		34		20		< 0.05	U	< 0.01	U	< 0.01	U	< 0.05	U			< 0.05	U
W-830-59	RTN	24-Aug-00	420		21		68	LO	39		< 0.05	U	< 0.01	U	0.03		< 0.05	U			< 0.05	U
W-830-60	RTN	30-Jun-00	270	L	19		88	L	43	L	< 0.05	U	< 0.01	U	0.02		< 0.05	U			< 0.05	U
W-830-1730	RTN	19-Mar-02	370	L	9.2		7.8		2.5		< 0.05	U	0.011		< 0.01	U	< 0.05	U			< 0.05	U

Table A-23. Cations in ground water and surface water (mg/L), Building 832 Canyon OU.

			Sodium		Potassium		Calcium		Magnesium		Iron		Manganese		Copper		Zinc		Boron		Aluminum	
			mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-830-1807	RTN	14-Apr-04	270	L	11		25	L	12	L	0.054		0.025	L	< 0.01	U	< 0.05	U			< 0.05	U
W-830-1829	DUP	30-Jun-03	340	H	20	H	47	H	130	H	4.2	LH	0.18	H	0.016	H	< 0.067	H			4.5	LH
W-830-1829	RTN	30-Jun-03	340	H	20	H	79	H	70	H	0.3	LH	0.031	H	< 0.01	HU	< 0.05	HU			0.15	LH
W-830-1829	RTN	6-Nov-03			21		48		28				< 0.01	U	< 0.01	U	< 0.05	U			< 0.1	U
W-830-1829	RTN	28-Jan-04	350	L	21		50	L	28	L	< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-1829	RTN	29-Apr-04	350	D	32		48		28		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-1830	RTN	30-Jun-03	410	H	23	H	89	H	36	H	< 0.1	LUH	0.048	H	< 0.01	HU	< 0.05	HU			< 0.1	LUH
W-830-1830	RTN	6-Nov-03			25		68		37				0.046		< 0.01	U	0.072				< 0.1	U
W-830-1830	RTN	28-Jan-04	370	L	23		66	L	34	L	< 0.1	U	< 0.03	U	< 0.05	U	0.074				< 0.2	U
W-830-1830	RTN	29-Apr-04	390	D	37		70		39		< 0.1	U	< 0.03	U	< 0.05	U	0.06				< 0.2	U
W-830-1831	RTN	10-Feb-04	390	LO	14		21		4.1		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-1831	RTN	26-Apr-04	370		14		24		4.2		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-1832	RTN	10-Sep-03	350		14		18		2.9		< 0.1	U	0.012		< 0.01	U	< 0.05	U			< 0.05	U
W-830-1832	RTN	10-Feb-04	370	LO	15		19		3		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-830-1832	RTN	26-Apr-04	340		14		21		2.9		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-831-01	RTN	17-Oct-88	77	P	5	P	37	P	19	P	0.08	P	0.12	P	< 0.02	P	< 0.01	P				
W-831-01	RTN	10-Dec-91	83	P	6	P	38	P	19	P	< 0.1	P	< 0.05	P	< 0.05	P	< 0.05	P				
W-832-01	RTN	21-Nov-94	410		21		92		48		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-832-01	RTN	16-Mar-95	430		21		110		53		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-832-01	DUP	16-Mar-95	430		21		100		52		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-832-05	RTN	16-Nov-94	570		29		160		73		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-832-05	RTN	6-Dec-94	630		30		180		80		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-832-05	RTN	21-Dec-94	830		29		190		79		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-832-05	RTN	9-Mar-95	550		27		150		64		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-832-05	RTN	24-Feb-98	480	LO	23		110		54		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-832-05	RTN	24-Feb-98									1.7		0.041		< 0.01	U	< 0.02	U	4.5		1.4	
W-832-05	DUP	8-Dec-98	273	L	13		73		34		< 0.05	U	< 0.01	U	< 0.01	U	0.014				< 0.05	U
W-832-05	RTN	8-Dec-98	290	LO	14		85	LO	37	L	0.15	L	< 0.03	U	< 0.05	U	< 0.05	U			0.23	L
W-832-05	RTN	2-Feb-04	44	HL	5.2	H	27	HL	6.6	HL	0.11	H	0.56	H	< 0.05	HU	< 0.05	HU			< 0.2	HU
W-832-06	RTN	9-Mar-95	450		30		200		98		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-832-09	RTN	21-Nov-94	100		6.8		50		23		< 0.1	U	0.068		< 0.05	U	< 0.05	U			< 0.2	U
W-832-09	RTN	16-Mar-95	90		5.8		51		23		< 0.1	U	0.084		< 0.05	U	< 0.05	U			< 0.2	U
W-832-09	DUP	16-Mar-95	89		5.8		51		23		< 0.1	U	0.084		< 0.05	U	< 0.05	U			< 0.2	U
W-832-09	RTN	15-Dec-98	91		5.8		50		27		< 0.05	U	0.09		< 0.01	U	< 0.01	U			< 0.05	U
W-832-10	RTN	15-Jun-98	480	L	24		140		67		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-832-10	RTN	8-Dec-98	494	L	23		110		64		< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-832-11	RTN	15-Jun-98	360	L	18		86		42		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-832-11	RTN	8-Dec-98	370	L	19		78		46		< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-832-12	RTN	16-Mar-98	440		19		66		28		0.28		< 0.03	U	< 0.05	U	< 0.05	U			0.39	
W-832-12	RTN	16-Mar-98									1.8	O	0.034		< 0.01	U	< 0.02	U	2.4		1.6	LO
W-832-13	RTN	16-Mar-98	490		25		90		39		0.22		< 0.03	U	< 0.05	U	< 0.05	U			0.33	
W-832-13	RTN	16-Mar-98									0.64	O	< 0.03	U	< 0.01	U	0.032		2.3		0.53	LO
W-832-14	RTN	17-Mar-98	360	L	17		60		26		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	LOU
W-832-14	RTN	17-Mar-98									0.47		< 0.03	U	< 0.01	U	< 0.02	U	2.9		0.31	LO
W-832-15	RTN	16-Mar-98	460		20		76		32		0.26		< 0.03	U	< 0.05	U	< 0.05	U			0.35	
W-832-15	RTN	16-Mar-98									1.3	O	< 0.03	U	< 0.01	U	0.027		2.5		1.2	LO
W-832-16	RTN	16-Mar-98	770		20		120		53		0.88		< 0.03	U	< 0.05	U	< 0.05	U			1.1	
W-832-16	RTN	16-Mar-98									34	O	0.7		0.058		0.092		18		29	LO
W-832-17	RTN	17-Mar-98	460	L	21		76		34		0.38		< 0.03	U	< 0.05	U	< 0.05	U			0.73	LO
W-832-17	RTN	17-Mar-98									5.6		0.082		0.021		0.027		3.9		5.3	LO

Table A-23. Cations in ground water and surface water (mg/L), Building 832 Canyon OU.

			Sodium		Potassium		Calcium		Magnesium		Iron		Manganese		Copper		Zinc		Boron		Aluminum	
			mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
LOCATION	SAMPLE TYPE	SAMPLED	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG	RESULT	FLAG
W-832-18	RTN	24-Mar-98	690		37		230		120		1.2		< 0.03	U	< 0.05	U	< 0.05	U			1.3	
W-832-18	RTN	25-Mar-98									< 0.1	U	< 0.03	U	< 0.01	U	< 0.02	U	2.9		< 0.2	U
W-832-19	RTN	24-Mar-98	330		14		37		18		1		< 0.03	U	< 0.05	U	< 0.05	U			1.2	
W-832-19	RTN	24-Mar-98									< 0.1	U	< 0.03	U	< 0.01	U	< 0.02	U	4.1		< 0.2	U
W-832-20	RTN	25-Mar-98									< 0.1	U	< 0.03	U	< 0.01	U	< 0.02	U	3		< 0.2	U
W-832-20	RTN	25-Mar-98	490	LO	23	O	110	LO	55	LO	0.33	LO	< 0.03	U	< 0.05	U	< 0.05	U			0.45	O
W-832-21	RTN	25-Mar-98									< 0.1	U	< 0.03	U	< 0.01	U	< 0.02	U	5.4		< 0.2	U
W-832-23	RTN	24-Mar-99	510	D	30	D	169	D	86	D	< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-832-24	RTN	24-Mar-99	627	D	33	D	165	D	71	D	< 0.05	U	< 0.01	U	< 0.01	U	< 0.01	U			< 0.05	U
W-832-25	RTN	15-Feb-00	380	L	21		100	L	54		< 0.05	U	< 0.01	U	< 0.01	U	< 0.05	U			< 0.05	U
W-832-SC1	DUP	28-Dec-98	352	O	6.2		55		21		< 0.05	U	< 0.01	U	0.01		0.02				< 0.05	U
W-832-SC1	RTN	28-Dec-98	380	LO	6.7		56		21		< 0.1	ULO	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	UL
W-832-SC4	RTN	28-Dec-98	386	L	9		49		24		< 0.05	U	< 0.01	U	0.016		0.014				< 0.05	U
W-832-1927	RTN	11-Feb-04	390	HL	19	H	33	H	11	H	< 0.1	HU	< 0.03	HU	< 0.05	HU	0.13	H			< 0.2	HU
W-832-1927	RTN	26-Apr-04	360		20		40		11		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-870-01	RTN	18-Mar-98	300		7.8		100		48		0.52		< 0.03	U	< 0.05	U	< 0.05	U			0.77	
W-870-01	RTN	27-May-98	250	LO	6.5		88		38		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			0.21	
W-870-02	DUP	18-Jun-97	288	D	10.2		47	D	22	D	< 0.05	U	< 0.01	U	0.015		< 0.01	U			< 0.05	U
W-870-02	RTN	18-Jun-97	300	LO	11		45		22		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-880-01	RTN	24-Jan-96	330	LO	9.9		16		5.2		0.26		< 0.03	U	< 0.05	U	< 0.05	U			0.49	
W-880-01	RTN	10-Dec-98	301	L	7.3		13		4.1		< 0.05	U	0.025		< 0.01	U	0.016				< 0.05	U
W-880-02	RTN	26-Jan-96	210	LO	7.4		73		33		< 0.1	U	0.07		< 0.05	U	< 0.05	U			< 0.2	U
W-880-03	RTN	24-Jan-96	3.5	LO	7		6.3		1.9		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-880-03	DUP	24-Jan-96	350	LO	7		6.4		1.9		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
W-880-03	RTN	10-Dec-98	372	L	6.2		8.3		1.5		< 0.05	U	0.016		< 0.01	U	< 0.01	U			< 0.05	U
SPRING3	RTN	3-Sep-93	340		11		48		17		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
SPRING3	RTN	20-Apr-94	290		12		46		16		< 0.1	U	0.1		< 0.05	U	< 0.05	U			< 0.2	U
SPRING3	RTN	24-Oct-95	400		18		67		27		< 0.1	U	0.24		< 0.05	U	< 0.05	U			< 0.2	U
SPRING3	RTN	24-Oct-95					62															
SPRING3	RTN	24-Oct-95	410		18		62		26		< 0.05	U	0.29		< 0.05	U	< 0.05	U	2.8			
SPRING3	RTN	21-Jun-96	400	D	12.1		58	D	25	D	< 0.1	U	0.396		< 0.05	U	< 0.05	U			< 0.2	U
SPRING3	RTN	21-Jun-96	360		11		63		24		< 0.1	U	0.48		< 0.05	U	< 0.05	U			< 0.2	U
SPRING3	RTN	28-Dec-98	355	O	13		49		24		< 0.05	U	< 0.01	U	0.017		0.023				0.096	
SPRING4	RTN	20-Apr-94	310		5.3		25		11		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
SPRING4	RTN	31-Oct-95	330		4		16		6.7		< 0.1	U	< 0.03	U	< 0.05	U	< 0.05	U			< 0.2	U
SPRING4	RTN	21-Jun-96	250		9.3		16		6.2		0.11		0.042		< 0.05	U	< 0.05	U			< 0.2	U
SPRING4	RTN	17-Dec-98															0.1	L				
SPRING4	RTN	17-Dec-98	270	L	5.6		11		7.3		1.7	L	0.097		< 0.05	U	< 0.05	U			2.2	
SPRING4	RTN	1-Jun-00															0.02					
SPRING4	RTN	1-Jun-00	390	DL	11	D	27	D	12	D	0.85	D	0.29	D	< 0.02	DU	0.12	D			0.73	D
SPRING19	RTN	17-Dec-98	290	L	6.2		7.8		2.6		1.4	L	< 0.03	U	< 0.05	U	< 0.05	U			1.6	

Table A-24. VOCs in soil vapor (Petrex (TM)) (ion counts), Building 832 Canyon OU.

				Trichloroethene total ion counts			Tetrachloroethene total ion counts	
LOCATION	DEPTH	TYPE	SAMPLED	RESULT	FLAG		RESULT	FLAG
SVX-833-031	1	VPR	23-Jan-91	92190	P		0	P
SVX-830-001	1	VPR	13-Jul-94	235435		<	200	U
SVX-830-002	1	VPR	13-Jul-94	< 200	U	<	200	U
SVX-830-003	1	VPR	13-Jul-94	1674480			564378	
SVX-830-004	1	VPR	13-Jul-94	1245170			21168	
SVX-830-005	1	VPR	13-Jul-94	2661610			113724	
SVX-830-006	1	VPR	13-Jul-94	73306		<	200	U
SVX-830-007	1	VPR	13-Jul-94	1716			8573	
SVX-830-008	1	VPR	13-Jul-94	327655			2443910	
SVX-830-009	1	VPR	13-Jul-94	268527		<	200	U
SVX-832-001	1	VPR	13-Jul-94	< 200	U	<	200	U
SVX-832-002	1	VPR	13-Jul-94	< 200	U	<	200	U
SVX-832-003	1	VPR	13-Jul-94	435580			5163	
SVX-832-004	1	VPR	13-Jul-94	685791			74548	
SVX-832-005	1	VPR	13-Jul-94	823942			483652	
SVX-832-006	1	VPR	13-Jul-94	< 200	U		4353	
SVX-832-007	1	VPR	13-Jul-94	4342		<	200	U
SVX-832-008	1	VPR	13-Jul-94	4926		<	200	U
SVX-832-009	1	VPR	13-Jul-94	< 200	U	<	200	U
SVX-832-010	1	VPR	13-Jul-94	< 200	U	<	200	U
SVX-832-011	1	VPR	13-Jul-94	< 200	U	<	200	U
SVX-832-013	1	VPR	13-Jul-94	< 200	U	<	200	U
SVX-830-011	1	VPR	13-Sep-94	672			3617	
SVX-830-012	1	VPR	13-Sep-94	< 200	U	<	200	U
SVX-830-013	1	VPR	13-Sep-94	< 200	U		746	
SVX-830-014	1	VPR	13-Sep-94	< 200	U	<	200	U
SVX-830-015	1	VPR	13-Sep-94	6459			4317	
SVX-830-016	1	VPR	13-Sep-94	16400			1510	
SVX-830-017	1	VPR	13-Sep-94	13478			2732	
SVX-830-018	1	VPR	13-Sep-94	190823			5469	
SVX-830-019	1	VPR	13-Sep-94	< 200	U	<	200	U
SVX-830-020	1	VPR	13-Sep-94	3054			1709	
SVX-830-023	1	VPR	13-Sep-94	940302			5998	
SVX-830-024	1	VPR	13-Sep-94	34534		<	200	U
SVX-830-032	1	VPR	30-Dec-95	6872	H		18107	H
SVX-830-033	1	VPR	30-Dec-95	30490	H		865702	H
SVX-830-035	1	VPR	30-Dec-95	7093	H		131676	H
SVX-830-036	1	VPR	30-Dec-95	8326	H		45811	H
SVX-830-037	1	VPR	30-Dec-95	1766	H		20348	H
SVX-830-038	1	VPR	30-Dec-95	1510	H		6870	H
SVX-830-039	1	VPR	30-Dec-95	11778	H	<	200	UH
SVX-830-040	1	VPR	30-Dec-95	< 200	UH	<	200	UH
SVX-830-041	1	VPR	30-Dec-95	< 200	UH	<	200	UH
SVX-830-042	1	VPR	30-Dec-95	744214	H		997144	H
SVX-830-043	1	VPR	30-Dec-95	36516	H		385	H
SVX-830-044	1	VPR	30-Dec-95	< 200	UH	<	200	UH
SVX-830-045	1	VPR	30-Dec-95	< 200	UH	<	200	UH
SVX-830-046	1	VPR	30-Dec-95	< 200	UH	<	200	UH
SVX-830-047	1	VPR	30-Dec-95	< 200	UH	<	200	UH
SVX-830-048	1	VPR	30-Dec-95	< 200	UH	<	200	UH
SVX-830-049	1	VPR	30-Dec-95	< 200	UH	<	200	UH
SVX-830-050	1	VPR	30-Dec-95	< 200	UH	<	200	UH
SVX-830-051	1	VPR	30-Dec-95	< 200	UH	<	200	UH
SVX-830-052	1	VPR	30-Dec-95	< 200	UH		20938	H

Table A-25. Depth discrete VOC soil vapor results (active vacuum induced) (ppm v/v) collected from uncased boreholes, Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	1,1-DCE PPM (V/V) RESULT	FLAG	cis-1,2-DCE PPM (V/V) RESULT	FLAG	trans-1,2-DCE PPM (V/V) RESULT	FLAG	TCE PPM (V/V) RESULT	FLAG	PCE PPM (V/V) RESULT	FLAG	1,1-DCA PPM (V/V) RESULT	FLAG	1,2-DCA PPM (V/V) RESULT	FLAG	1,1,1-TCA PPM (V/V) RESULT	FLAG	Chloroform PPM (V/V) RESULT	FLAG	Freon 11 PPM (V/V) RESULT	FLAG	Freon 113 PPM (V/V) RESULT	FLAG	Methylene chloride PPM (V/V) RESULT	FLAG
830-36	5.5	VPR	24-Sep-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-36	11.5	VPR	24-Sep-96	< 0.2	U			< 0.3	U	1.4		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-37	5.5	VPR	24-Sep-96	< 0.2	U			< 0.3	U	1.6	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-38	5.5	VPR	24-Sep-96	< 0.2	U			< 0.3	U	0.2		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-39	5.5	VPR	24-Sep-96	< 0.2	U			< 0.3	U	0.21		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-41	5.5	VPR	25-Sep-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-42	5.5	VPR	25-Sep-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-43	5.5	VPR	25-Sep-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-44	5.5	VPR	1-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-45	5.5	VPR	1-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-46	5.5	VPR	1-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-47	5.5	VPR	1-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-48	5.5	VPR	3-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-48	11.5	VPR	3-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-48	17.5	VPR	3-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-48	25.5	VPR	3-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
830-48	25.5	DUP	3-Oct-96							< 1	U	< 1	U														
830-48	34.5	VPR	3-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
832-14	15.5	DUP	9-Aug-96							11		< 1	U														
832-16	15.5	DUP	12-Aug-96							9.8		< 1	U														
832-21	11.5	DUP	3-Oct-96							< 1	U	< 1	U														
W-830-30	5.5	VPR	17-Sep-96	< 0.2	U			< 0.3	U	7.1		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
W-830-30	11.5	VPR	17-Sep-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
W-830-30	17.5	VPR	17-Sep-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
W-830-30	25.5	VPR	17-Sep-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
W-830-34	5.5	VPR	19-Sep-96	< 0.2	U			< 0.3	U	1.1		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
W-830-34	11.5	VPR	19-Sep-96	< 0.2	U			< 0.3	U	1.5		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
W-830-34	17.5	VPR	20-Sep-96	< 5	UD			< 7.5	UD	1400	D	< 5	UD	< 5	UD	< 7.5	UD	< 5	UD	< 5	UD	< 5	UD			< 10	UD
W-830-34	17.5	DUP	20-Sep-96							1414	DU	< 10	DU														
W-830-34	25.5	VPR	20-Sep-96	< 0.5	UD			< 0.75	UD	6.1	D	< 0.5	UD	< 0.5	UD	< 0.75	UD	< 0.5	UD	< 0.5	UD	< 0.5	UD			< 1	UD
SVI-830-031	5.5	VPR	17-Sep-96	< 0.2	U			< 0.3	U	6.9		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-031	11.5	VPR	19-Sep-96	< 0.2	U			< 0.3	U	69		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-031	17.5	VPR	19-Sep-96	< 0.2	U			< 0.3	U	2.4		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-031	25.5	VPR	19-Sep-96	< 0.2	U			< 0.3	U	1.8		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-032	5.5	VPR	18-Sep-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-032	11.5	VPR	18-Sep-96	< 0.2	U			< 0.3	U	1.5		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-032	17.5	VPR	18-Sep-96	< 0.2	U			< 0.3	U	3.4		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-032	17.5	DUP	18-Sep-96							2.8		< 1	U														
SVI-830-032	25.5	VPR	18-Sep-96	< 0.2	U			< 0.3	U	6.5		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-032	35.5	VPR	18-Sep-96	< 0.2	U			< 0.3	U	42		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-033	5.5	VPR	18-Sep-96	< 0.2	U			< 0.3	U	17		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-033	5.5	DUP	18-Sep-96							14		< 1	U														
SVI-830-033	11.5	VPR	19-Sep-96	< 0.2	U			< 0.3	U	14		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-033	17.5	VPR	19-Sep-96	< 0.2	U			< 0.3	U	0.98		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-033	25.5	VPR	19-Sep-96	< 0.2	U			< 0.3	U	0.27		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-035	5.5	VPR	20-Sep-96	< 0.2	U			< 0.3	U	0.61		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-035	11.5	VPR	20-Sep-96	< 0.2	U			< 0.3	U	0.82		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVI-830-035	17.5	VPR	20-Sep-96	< 0.5	UD			< 0.75	UD	160	D	< 0.5	UD	< 0.5	UD	< 0.75	UD	< 0.5	UD	< 0.5	UD	< 0.5	UD			< 1	UD
SVI-830-035	17.5	DUP	20-Sep-96							398	DU	< 10	DU														
SVI-830-035	25.5	VPR	20-Sep-96	< 0.5	UD			< 0.75	UD	2.8	D	< 0.5	UD	< 0.5	UD	< 0.75	UD	< 0.5	UD	< 0.5	UD	< 0.5	UD			< 1	UD
SVV-832-012	7	VPR	8-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-012	12	VPR	8-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-012	17	VPR	8-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-013	5.5	VPR	9-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-013	10.5	VPR	9-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-013	15.5	VPR	9-Aug-96	< 5	DU			< 7.5	DU	130	D	< 5	DU	< 5	DU	< 7.5	DU	< 5	DU	< 5	DU	< 5	DU			< 10	DU
SVV-832-013	20.5	VPR	9-Aug-96	< 5	DU			< 7.5	DU	80	D	< 5	DU	< 5	DU	< 7.5	DU	< 5	DU	< 5	DU	< 5	DU			< 10	DU
SVV-832-014	5.5	VPR	9-Aug-96	< 0.2	U			< 0.3	U	0.85		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-014	10.5	VPR	9-Aug-96	< 0.2	U			< 0.3	U	1.3		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-014	15.5	VPR	9-Aug-96	< 0.2	U			< 0.3	U	17		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-014	20.5	VPR	9-Aug-96	< 0.2	U			< 0.3	U	0.17		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-015	5.5	VPR	12-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U

Table A-25. Depth discrete VOC soil vapor results (active vacuum induced) (ppm v/v) collected from uncased boreholes, Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE TYPE	SAMPLED	1,1-DCE PPM (V/V) RESULT	FLAG	cis-1,2-DCE PPM (V/V) RESULT	FLAG	trans-1,2-DCE PPM (V/V) RESULT	FLAG	TCE PPM (V/V) RESULT	FLAG	PCE PPM (V/V) RESULT	FLAG	1,1-DCA PPM (V/V) RESULT	FLAG	1,2-DCA PPM (V/V) RESULT	FLAG	1,1,1-TCA PPM (V/V) RESULT	FLAG	Chloroform PPM (V/V) RESULT	FLAG	Freon 11 PPM (V/V) RESULT	FLAG	Freon 113 PPM (V/V) RESULT	FLAG	Methylene chloride PPM (V/V) RESULT	FLAG
SVV-832-015	10.5	VPR	12-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-015	15.5	VPR	12-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-015	20.5	VPR	12-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-016	5.5	VPR	12-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-016	10.5	VPR	12-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-016	15.5	VPR	12-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-016	20.5	VPR	12-Aug-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-017	5.5	VPR	2-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-017	11.5	VPR	2-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-018	5.5	VPR	2-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-019	5.5	VPR	2-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-020	4.5	VPR	2-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-021	5.5	VPR	3-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-021	11.5	VPR	3-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-021	17.5	VPR	3-Oct-96	< 0.2	U			< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-022	5.5	VPR	4-Oct-96	0.4				< 0.3	U	0.57		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-022	11.5	VPR	4-Oct-96	7.8				< 0.3	U	30		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-022	17.5	VPR	4-Oct-96	< 0.2	U			< 0.3	U	33		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
SVV-832-022	25.5	VPR	4-Oct-96	< 0.2	U			< 0.3	U	23		< 0.2	U	< 0.2	U	< 0.3	U	< 0.2	U	< 0.2	U	< 0.2	U			< 0.4	U
3SF-B832-001	0	RTN	6-Aug-96	< 0.0007	DU	< 0.0007	DU	< 0.0028	DU	< 0.0007	DU	< 0.0007	DU			< 0.0007	DU			< 0.0007	DU			< 0.0007	DU	0.0011	DF
3SF-B832-001	0	DUP	6-Aug-96	< 0.00073	DU	< 0.00073	DU	< 0.0029	DU	< 0.00073	DU	< 0.00073	DU			< 0.00073	DU			< 0.00072	DU			< 0.00073	DU	0.0034	DF
3SF-B832-002	0	RTN	6-Aug-96	< 0.00072	DU	< 0.00072	DU	< 0.0029	DU	< 0.00072	DU	< 0.00072	DU			< 0.00072	DU			< 0.00072	DU			< 0.00072	DU	< 0.00072	DU
3SF-B832-003	0	RTN	6-Aug-96	< 0.00083	DU	< 0.00083	DU	< 0.0033	DU	< 0.00083	DU	< 0.00083	DU			< 0.00083	DU			< 0.00083	DU			< 0.00083	DU	0.0047	DF
3SF-B832-004	0	RTN	6-Aug-96	< 0.00073	DU	< 0.00073	DU	< 0.0029	DU	< 0.00073	DU	< 0.00073	DU			< 0.00073	DU			< 0.00073	DU			< 0.00073	DU	< 0.00073	DU
3SF-B832-005	0	RTN	6-Aug-96	< 0.00071	DU	< 0.00071	DU	< 0.0028	DU	< 0.00071	DU	< 0.00071	DU			< 0.00071	DU			< 0.00071	DU			< 0.00071	DU	< 0.00071	DU
3SF-B832-006	0	RTN	6-Aug-96	< 0.00072	DU	< 0.00072	DU	< 0.0029	DU	< 0.00072	DU	< 0.00072	DU			< 0.00072	DU			< 0.00072	DU			< 0.00072	DU	0.0018	DF
3SF-B832-007	0	RTN	6-Aug-96	< 0.00073	DU	< 0.00073	DU	< 0.0029	DU	< 0.00073	DU	< 0.00073	DU			< 0.00073	DU			< 0.00073	DU			< 0.00073	DU	0.0037	DF
3SF-B832-008	0	RTN	6-Aug-96	< 0.00073	DU	< 0.00073	DU	< 0.0029	DU	< 0.00073	DU	< 0.00073	DU			< 0.00073	DU			< 0.00073	DU			< 0.00073	DU	0.00087	DF
3SF-B832-009	0	RTN	6-Aug-96	< 0.00075	DU	< 0.00075	DU	< 0.003	DU	< 0.00075	DU	< 0.00075	DU			< 0.00075	DU			< 0.00075	DU			< 0.00075	DU	0.0043	DF
3SF-B832-010	0	RTN	6-Aug-96	< 0.00073	DU	< 0.00073	DU	< 0.0029	DU	< 0.00073	DU	< 0.00073	DU			< 0.00073	DU			< 0.00073	DU			< 0.00073	DU	0.0032	DF
3SF-B832-010	0	DUP	6-Aug-96	< 0.00071	DU	< 0.00071	DU	< 0.0028	DU	< 0.00071	DU	< 0.00071	DU			< 0.00071	DU			< 0.00071	DU			< 0.00071	DU	0.0034	DF
3SF-B832-011	0	RTN	7-Aug-96	< 0.00071	DU	< 0.00071	DU	< 0.0028	DU	< 0.00071	DU	< 0.00071	DU			< 0.00071	DU			< 0.00071	DU			< 0.00071	DU	0.0046	D
3SF-B832-012	0	RTN	13-Aug-96	< 0.00073	DU	< 0.00073	DU	< 0.0029	DU	< 0.00073	DU	< 0.00073	DU			< 0.00073	DU			< 0.00073	DU			< 0.00073	DU	0.0014	D
3SF-B832-013	0	RTN	13-Aug-96	< 0.00081	DU	< 0.00081	DU	< 0.0032	DU	< 0.00081	DU	< 0.00081	DU			< 0.00081	DU			< 0.00081	DU			< 0.00081	DU	< 0.00081	DU
3SF-B832-014	0	RTN	13-Aug-96	< 0.00072	DU	< 0.00072	DU	< 0.0029	DU	< 0.00072	DU	< 0.00072	DU			< 0.00072	DU			< 0.00072	DU			< 0.00072	DU	0.0018	D
3SF-B832-014	0	DUP	13-Aug-96	< 0.00072	DU	< 0.00072	DU	< 0.0029	DU	< 0.00072	DU	< 0.00072	DU			< 0.00072	DU			< 0.00072	DU			< 0.00072	DU	0.002	D
3SF-B832-015	0	RTN	7-Aug-96	< 0.00072	DU	< 0.00072	DU	< 0.0029	DU	< 0.00072	DU	< 0.00072	DU			< 0.00072	DU			< 0.00072	DU			< 0.00072	DU	0.00091	D
3SF-B832-016	0	RTN	7-Aug-96	< 0.00071	DU	< 0.00071	DU	< 0.0028	DU	< 0.00071	DU	< 0.00071	DU			< 0.00071	DU			< 0.00071	DU			< 0.00071	DU	0.0013	D
3SF-B832-016	0	RTN	13-Aug-96	< 0.00075	DU	< 0.00075	DU	< 0.003	DU	< 0.00075	DU	< 0.00075	DU			< 0.00075	DU			< 0.00075	DU			< 0.00075	DU	0.0034	D
3SF-B832-017	0	RTN	13-Aug-96	< 0.00072	DU	< 0.00072	DU	< 0.0029	DU	< 0.00072	DU	< 0.00072	DU			< 0.00072	DU			< 0.00072	DU			< 0.00072	DU	0.0021	D
3SF-B832-018	0	RTN	7-Aug-96	< 0.00078	DU	< 0.00078	DU	< 0.0031	DU	< 0.00078	DU	< 0.00078	DU			< 0.00078	DU			< 0.00078	DU			< 0.00078	DU	< 0.00078	DU

Table A-26. Time-series VOC soil vapor results (active vacuum induced)(ppm v/v) collected from the screen interval, Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE_TYPE	SAMPLED	1,1-DCE PPM (V/V) RESULT	1,1-DCE FLAG	cis-1,2-DCE PPM (V/V) RESULT	cis-1,2-DCE FLAG	TCE PPM (V/V) RESULT	TCE FLAG	PCE PPM (V/V) RESULT	PCE FLAG	Chloroform PPM (V/V) RESULT	Chloroform FLAG
W-830-1807	0	RTN	21-Jan-04	< 0.2	U	< 0.2	U	35		< 0.2	U		
W-830-1807	0	RTN	22-Apr-04	< 0.2	U	< 0.2	U	27		< 0.2	U		
W-830-1807		RTN	22-Jul-04	< 0.2	U	< 0.2	U	28		< 0.2	U		
W-830-1807		RTN	26-Oct-04	< 0.2	U	< 0.2	U	24		< 0.2	U		
W-832-12	0	VPR	30-Mar-00	< 0.2	U			< 0.2	U	< 0.2	U		
W-832-12	0	VPR	7-May-01	< 0.2	U			< 0.2	U	< 0.2	U		
W-832-12	0	VPR	19-Sep-01	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-12	0	VPR	11-Dec-01	< 0.2	U	< 0.2	U	0.4		< 0.2	U		
W-832-12	0	VPR	14-Mar-02	< 0.2	U	< 0.2	U	0.9		< 0.2	U		
W-832-12		RTN	17-Sep-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-12	0	RTN	5-Dec-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-12	0	RTN	11-Mar-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-12	0	RTN	4-Jun-03	< 0.2	U			< 0.2	U	< 0.2	U	< 0.2	U
W-832-12	0	RTN	15-Jul-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-12	0	RTN	6-Oct-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-12	0	RTN	3-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-12	0	RTN	10-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-12	0	RTN	16-Mar-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-12		RTN	18-Oct-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-13	0	VPR	30-Mar-00	< 0.2	U			< 0.2	U	< 0.2	U		
W-832-13	0	VPR	7-May-01	< 0.2	U			0.7		< 0.2	U		
W-832-13	0	VPR	19-Sep-01	< 0.2	U	< 0.2	U	1		< 0.2	U		
W-832-13	0	VPR	11-Dec-01	< 0.2	U	< 0.2	U	0.3		< 0.2	U		
W-832-13	0	VPR	14-Mar-02	< 0.2	U	< 0.2	U	0.9		< 0.2	U		
W-832-13		RTN	17-Sep-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-13	0	RTN	5-Dec-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-13	0	RTN	11-Mar-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-13	0	RTN	4-Jun-03	< 0.2	U			< 0.2	U	< 0.2	U	< 0.2	U
W-832-13	0	RTN	15-Jul-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-13	0	RTN	6-Oct-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-13	0	RTN	3-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-13	0	RTN	10-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-13	0	RTN	16-Mar-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-13		RTN	18-Oct-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-14	0	VPR	30-Mar-00	< 0.2	U			0.3		< 0.2	U		
W-832-14	0	VPR	7-May-01	< 0.2	U			< 0.2	U	< 0.2	U		
W-832-14	0	VPR	19-Sep-01	< 0.2	U	< 0.2	U	0.4		< 0.2	U		
W-832-14	0	VPR	11-Dec-01	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-14	0	VPR	14-Mar-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-14		RTN	17-Sep-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-14	0	RTN	5-Dec-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-14	0	RTN	12-Mar-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-14	0	RTN	4-Jun-03	< 0.2	U			< 0.2	U	< 0.2	U	< 0.2	U
W-832-14	0	RTN	15-Jul-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-14	0	RTN	6-Oct-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-14	0	RTN	3-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-14	0	RTN	10-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-14	0	RTN	16-Mar-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-14		RTN	18-Oct-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-15	0	VPR	30-Mar-00	< 0.2	U			< 0.2	U	< 0.2	U		
W-832-15	0	VPR	7-May-01	< 0.2	U			1		< 0.2	U		
W-832-15	0	VPR	19-Sep-01	< 0.2	U	< 0.2	U	1.8		< 0.2	U		
W-832-15	0	VPR	11-Dec-01	< 0.2	U	< 0.2	U	1.4		< 0.2	U		
W-832-15	0	VPR	14-Mar-02	< 0.2	U	< 0.2	U	1		< 0.2	U		
W-832-15		RTN	17-Sep-02	< 0.2	U	< 0.2	U	1.2		< 0.2	U		
W-832-15	0	RTN	5-Dec-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-15	0	RTN	11-Mar-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-15	0	RTN	4-Jun-03	< 0.2	U			< 0.2	U	< 0.2	U	< 0.2	U
W-832-15	0	RTN	15-Jul-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-15	0	RTN	8-Oct-03	< 0.2	U	< 0.2	U	0.7		< 0.2	U		
W-832-15	0	RTN	3-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-15	0	RTN	10-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-15	0	RTN	16-Mar-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-15		RTN	18-Oct-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-16	0	VPR	30-Mar-00	< 0.2	U			< 0.2	U	< 0.2	U		
W-832-16	0	VPR	7-May-01	< 0.2	U			< 0.2	U	< 0.2	U		
W-832-16	0	VPR	19-Sep-01	< 0.2	U	< 0.2	U	0.4		< 0.2	U		
W-832-16	0	VPR	11-Dec-01	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-16	0	VPR	14-Mar-02	< 0.2	U	< 0.2	U	0.8		< 0.2	U		
W-832-16		RTN	17-Sep-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-16	0	RTN	5-Dec-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-16	0	RTN	12-Mar-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-16	0	RTN	4-Jun-03	< 0.2	U			< 0.2	U	< 0.2	U	< 0.2	U
W-832-16	0	RTN	16-Jul-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-16	0	RTN	6-Oct-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-16	0	RTN	3-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-16	0	RTN	11-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-16	0	RTN	16-Mar-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-16		RTN	18-Oct-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-17	0	VPR	30-Mar-00	< 0.2	U			< 0.2	U	< 0.2	U		

Table A-26. Time-series VOC soil vapor results (active vacuum induced)(ppm v/v) collected from the screen interval, Building 832 Canyon OU.

LOCATION	DEPTH	SAMPLE_TYPE	SAMPLED	1,1-DCE PPM (V/V) RESULT	1,1-DCE FLAG	cis-1,2-DCE PPM (V/V) RESULT	cis-1,2-DCE FLAG	TCE PPM (V/V) RESULT	TCE FLAG	PCE PPM (V/V) RESULT	PCE FLAG	Chloroform PPM (V/V) RESULT	Chloroform FLAG
W-832-17	0	VPR	7-May-01	< 0.2	U			< 0.2	U	< 0.2	U		
W-832-17	0	VPR	19-Sep-01	< 0.2	U	0.4		< 0.2	U	< 0.2	U		
W-832-17	0	VPR	11-Dec-01	< 0.2	U	< 0.2	U	0.3		< 0.2	U		
W-832-17	0	VPR	14-Mar-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-17		RTN	17-Sep-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-17	0	RTN	5-Dec-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-17	0	RTN	11-Mar-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-17	0	RTN	4-Jun-03	< 0.2	U			< 0.2	U	< 0.2	U	< 0.2	U
W-832-17	0	RTN	16-Jul-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-17	0	RTN	8-Oct-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-17	0	RTN	4-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-17	0	RTN	11-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-17	0	RTN	17-Mar-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-17		RTN	19-Oct-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-18	0	VPR	30-Mar-00	< 0.2	U			< 0.2	U	< 0.2	U		
W-832-18	0	VPR	7-May-01	< 0.2	U			0.8		< 0.2	U		
W-832-18	0	VPR	19-Sep-01	< 0.2	U	< 0.2	U	0.8		< 0.2	U		
W-832-18	0	VPR	11-Dec-01	< 0.2	U	< 0.2	U	0.7		< 0.2	U		
W-832-18	0	VPR	14-Mar-02	< 0.2	U	< 0.2	U	0.6		< 0.2	U		
W-832-18		RTN	17-Sep-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-18	0	RTN	5-Dec-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-18	0	RTN	12-Mar-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-18	0	RTN	4-Jun-03	< 0.2	U			< 0.2	U	< 0.2	U	< 0.2	U
W-832-18	0	RTN	16-Jul-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-18	0	RTN	8-Oct-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-18	0	RTN	4-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-18	0	RTN	11-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-18	0	RTN	17-Mar-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-18		RTN	19-Oct-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-20	0	VPR	30-Mar-00	< 0.2	U			< 0.2	U	< 0.2	U		
W-832-20	0	VPR	7-May-01	< 0.2	U			1.1		< 0.2	U		
W-832-20	0	VPR	19-Sep-01	< 0.2	U	< 0.2	U	3		< 0.2	U		
W-832-20	0	VPR	11-Dec-01	< 0.2	U	< 0.2	U	2.6		< 0.2	U		
W-832-20	0	VPR	14-Mar-02	< 0.2	U	< 0.2	U	4		< 0.2	U		
W-832-20		RTN	17-Sep-02	< 0.2	U	< 0.2	U	5.4		< 0.2	U		
W-832-20	0	RTN	5-Dec-02	< 0.2	U	< 0.2	U	3.3		< 0.2	U		
W-832-20	0	RTN	12-Mar-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-20	0	RTN	4-Jun-03	< 0.2	U			< 0.2	U	< 0.2	U	< 0.2	U
W-832-20	0	RTN	16-Jul-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-20	0	RTN	8-Oct-03	< 0.2	U	< 0.2	U	4.8		< 0.2	U		
W-832-20	0	RTN	4-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-20	0	RTN	11-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-20	0	RTN	17-Mar-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-20		RTN	19-Oct-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22	0	VPR	30-Mar-00	0.3				1.5		< 0.2	U		
W-832-22	0	VPR	7-May-01	< 0.2	U			0.7		< 0.2	U		
W-832-22	0	VPR	19-Sep-01	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22	0	VPR	11-Dec-01	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22	0	VPR	14-Mar-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22		RTN	17-Sep-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22	0	RTN	5-Dec-02	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22	0	RTN	12-Mar-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22	0	RTN	4-Jun-03	< 0.2	U			< 0.2	U	< 0.2	U	< 0.2	U
W-832-22	0	RTN	16-Jul-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22	0	RTN	8-Oct-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22	0	RTN	4-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22	0	RTN	11-Dec-03	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22	0	RTN	17-Mar-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		
W-832-22		RTN	19-Oct-04	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U		