Report
Groundwater Monitoring
Union Station
Seattle, Washington

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Prepared for

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1.0 INTRODUCTION

This report describes the groundwater monitoring that was performed at the Union Station property in June 2003. The groundwater monitoring was performed in accordance with Prospective Purchaser Consent Decree 97-2-18936-5SEA between the Washington State Department of Ecology (Ecology) and Union Station Associates and with the associated *Union Station Property Cleanup Action Plan* (CAP; Landau Associates 1997). Groundwater monitoring completed prior to June 2003 is described in three previous reports (Landau Associates 2000, 2002, and 2003). In addition to describing the groundwater monitoring performed in June 2003, this report includes an evaluation of the groundwater analytical results and groundwater flow directions.

1.1 PROPERTY DESCRIPTION

The Union Station property consists of three parcels located in Seattle, Washington. Figure 1-1 provides a vicinity map; Figure 1-2 shows the Union Station property. The property spans six city blocks and includes portions of the grade level beneath elevated viaduct portions of South Jackson Street, South Airport Way, and 4th Avenue S.

The property was originally part of the South Seattle industrial neighborhood. In 1874, the Seattle Gaslight Company constructed a coal gasification plant at the property on pilings over the mudflats of Duwamish Bay. The area surrounding the pile-supported facility was filled prior to about 1912. Around the turn of the century, Vulcan Iron Works manufactured iron, brass, and steel on the southern portion of the property. In 1911, the Union Station passenger railroad station was constructed at the property. Union Station served passengers until 1971, when Union Pacific discontinued passenger operations at the property. From 1971 until the purchase of the property by Union Station Associates in 1997, the property was essentially dormant. The southernmost terminus of the downtown Seattle transit project bus tunnel was completed at the property along 5th Avenue S. in 1990.

In 1991, the property was placed on the Washington Hazardous Sites List. Subsequently, a remedial investigation/feasibility study (RI/FS; Landau Associates and Hart Crowser 1996) was conducted.

The RI included review of the property's industrial history to confirm that the investigation included the areas likely to have contamination, evaluation of existing soil and groundwater sampling information, and analysis of new soil and groundwater samples. The RI compared chemical testing results for soil and groundwater to screening levels and identified constituents of concern that required additional evaluation. The RI identified carcinogenic polycyclic aromatic hydrocarbons (cPAHs) from the coal gasification process, and metals from the coal gasification process and from the foundry within

fill soil that was placed on the former tideflat surface during operation of the historic industries. Groundwater analytical results from tests during the RI and from supplemental monitoring performed after the RI and before the Consent Decree showed that groundwater screening levels for cPAHs, petroleum hydrocarbons, benzene, and arsenic were exceeded in samples from some wells at the property. Arsenic was found in an upgradient well at concentrations exceeding those found in property wells. There were also strong indications that a source or sources of petroleum hydrocarbons existed upgradient of the property. No pesticides, polychlorinated biphenyls (PCBs), herbicides, or evidence of dense non-aqueous phase liquids (DNAPL) were detected.

The RI findings were used to develop alternatives to remediate the property. The evaluations of these alternatives were included in the FS. The FS defined cleanup standards, developed and evaluated four cleanup action alternatives, and identified a preferred cleanup action alternative that would adequately protect human health and the environment. Soil cleanup levels were conservatively based on residential use conditions, although the property was zoned International District Mixed and planned property use was commercial with limited potential for direct contact. The point of compliance for soil is throughout the property. Groundwater cleanup levels were based on protection of marine surface water. The point of compliance for groundwater is the property boundary and extends from the uppermost level of the saturated zone vertically to the lowest most depth that could potentially be affected by the property. The point of compliance established for groundwater at the property is shown on Figure 1-2. The cleanup action selected by Ecology includes paving, construction soil excavation, groundwater monitoring, contingent groundwater remediation, and institutional controls.

In 1997, Ecology and Union Station Associates entered into a Prospective Purchaser Consent Decree for the property. Since that time, Union Station Associates has implemented the selected remedial action for the property. Paving and construction soil excavation were completed as part of property redevelopment. A restrictive covenant implementing the required institutional controls was recorded on the property deed. Groundwater monitoring began in October 1997 and is described in the remainder of this document.

Construction at the property is complete. A parking garage was completed on the south parcel in 1999. Construction at the main parcel, including renovation of the Union Station building and construction of a parking garage and four new buildings, was completed in 2001. A new building at the north parcel was completed in 2002.

1.2 CONSENT DECREE REQUIREMENTS FOR GROUNDWATER MONITORING

Groundwater monitoring requirements for the property are described in the CAP and are summarized in Table 3 from the CAP, identified as Table 1-1 in this report. Monitoring wells originally included in the monitoring program were HC-101, HC-102, HC-103, MW-104, MW-105, MW-106, MW-107, and upgradient background wells B-4 and B-6. As described in a previous report (Landau Associates 2000), some of these wells were replaced with monitoring wells in similar locations prior to or during the monitoring period. In addition, Ecology approved suspension of water quality monitoring in well HC-103 (Ecology 2000). Monitoring wells currently included in the groundwater quality and groundwater level monitoring program are property wells MW-101R, MW-102R, MW-104, MW-105, MW-107R, MW-108R, and upgradient background wells B-4 and B-6R. HC-103 is monitored only for groundwater level.

Quarterly groundwater monitoring is required for 8 quarters beginning within 3 months of the effective date of the Consent Decree. The CAP also requires that quarterly sampling be performed for 8 quarters beginning the first quarter after all foundations are completed. The CAP establishes that groundwater monitoring frequency be reduced to annual if the upper 95 percent confidence limit on the mean (UCL) for results from compliance monitoring wells is less than or equal to cleanup levels. Annual monitoring is then required until 3 years after foundation loading (building construction) is complete. Groundwater monitoring frequency is then reduced to every 5 years if the UCL for results from compliance monitoring wells is less than or equal to cleanup levels. Construction at the main parcel was completed in 2001. Construction at the south parcel was completed in 1999. Therefore, if there are no exceedances of cleanup levels, groundwater monitoring frequency would be reduced to every 5 years after the 2004 groundwater sampling. The CAP also specifies procedures to be implemented if any sample exceeds cleanup levels during annual monitoring or if no exceedances occur.

A report documenting groundwater monitoring for 8 quarters after foundation loading was complete was submitted to Ecology in August 2000 (Landau Associates 2000). After review of the report, Ecology required an additional year of quarterly monitoring (Ecology 2000). In March 2002, the results for the additional year of groundwater monitoring were submitted in a report to Ecology with recommendations to reduce groundwater monitoring frequency to annual (Landau Associates 2002). In November 2002, Ecology approved reducing groundwater monitoring frequency to annual. This report presents results for the 2003 annual groundwater monitoring event. Groundwater data from the past eight sampling events is used for the statistical evaluation.

2.0 GROUNDWATER MONITORING

The groundwater monitoring program consists of both water level and water quality monitoring. The Union Station groundwater monitoring network for water quality currently is comprised of eight monitoring wells: upgradient wells B-4 and B-6R, and property wells MW-101R, MW-102R, MW-104, MW-105, MW-107R, and MW-108R. The monitoring network for groundwater levels includes the eight wells monitored for water quality plus one additional monitoring well, HC-103, monitored only for groundwater level. The location of the monitoring wells is shown on Figure 1-2. Monitoring was conducted in June 2003. Procedures used for groundwater monitoring, which include water level monitoring, groundwater sampling, and laboratory analysis, were consistent with those described in the CAP, or as subsequently modified with Ecology approval. Prior to the September 2001 monitoring event, modifications to some of the procedures described in the CAP were approved by Ecology. These modifications included changes to the cyanide analysis method; addition of analysis for weak acid dissociable cyanide to the list of analytes; changes to the method of laboratory sample handling for cPAH and semivolatile organic compound (SVOC) samples; and the use of monitoring well HC-103 only for groundwater level measurements (Landau Associates 2000 and 2002).

During the June 2003 sampling event, Mr. David South, Ecology site manager, was onsite to observe groundwater monitoring procedures and to collect split groundwater samples for polycyclic aromatic hydrocarbons (PAHs) analysis. Ecology's groundwater monitoring results are not documented in this report.

2.1 GROUNDWATER LEVEL MONITORING

At each well location, prior to purging and sample collection, the groundwater level was measured from a surveyed reference point using an electric water level indicator and was recorded on a Groundwater Sample Collection Form. Table 2-1 provides a summary of well installation dates, well coordinates, and well elevation information, including top and bottom of screen. Groundwater levels for the annual monitoring event are summarized in Table 2-2.

2.2 GROUNDWATER SAMPLING, ANALYSIS PROCEDURES, AND MODIFICATIONS

Groundwater sampling procedures were consistent with those described in the CAP. Prior to sample collection, each well was slowly purged using a peristaltic pump with dedicated tubing or a disposable bailer. Because most of the wells at the Union Station site are low-yield and produce groundwater with moderate to high turbidity, each well was purged at rates of less than 1 liter per minute

to help minimize turbidity. Field parameters such as pH, temperature, conductivity, and turbidity were measured and recorded about every 2 minutes during purging. Purging continued until at least 3 well volumes had been removed or until the well was purged dry.

Sampling was started when sufficient volume became available in the well. Four replicates of field parameters were collected during sampling, if possible; however, due to low-yield conditions at some locations, sufficient volume for all replicates could not be obtained and priority was given to filling sample bottles. For these locations, field parameters obtained at the end of purging were used for sample quality control purposes. In order to minimize turbidity during sampling, a target flow rate of less than 0.2 liter per minute was used during sample collection. All purging and sampling information was recorded on a Groundwater Sample Collection Form as specified in the CAP.

Field instruments were calibrated and maintained in accordance with the manufacturer's instructions and the quality assurance/quality control (QA/QC) requirements identified in the CAP. Purge water was discharged into the King County sanitary sewer system. Prior to discharge, purge water from more than one well was mixed, as requested by the King County Industrial Waste Division. Prior to performing the June 2003 sampling event, an extension to the permit to discharge purge water into the sanitary sewer system was requested. A verbal approval was provided by Denise Healy of the King County Industrial Waste Division on May 29, 2003; however, Denise requested that the purge water likely to have high napthalene concentrations be mixed with purge water likely to have low to no naphthalene concentrations prior to discharge to the sanitary sewer. Napthalene concentrations at some of the wells (MW-101R, MW-0107R, and B-4), based on the last sampling event (June 2002), exceeded or were near the King County screening level of 2,450 ppb. Mixing purge water from these wells with purge water from other wells lowered the average concentration to less than the King County screening level.

June 2003 groundwater samples were analyzed at Analytical Resources, Inc. (ARI) in Tukwila, Washington, for gasoline-range, diesel-range, and motor oil-range petroleum hydrocarbons, PAHs, SVOCs, volatile organic compounds (VOCs), dissolved metals, total dissolved solids (TDS), total suspended solids (TSS), total cyanide, weak acid dissociable cyanide, and major ions. If SVOC analyses indicate that a PAH was not detected, an additional PAH analysis using selected ion monitoring (SIM) and a large volume injector was used to obtain lower reporting limits for these constituents. Similar procedures were used during previous sampling events for cPAHS. If sufficient volume for all sampling was not available, a decision was made on the priority of each analysis for each affected location. Table 2-3 summarizes the results of the laboratory analyses performed for each sample. Analytical results are discussed in Sections 3.2 and 4.2.

3.0 GROUNDWATER MONITORING RESULTS

As described in Section 2.0, the Union Station groundwater level monitoring network consists of nine monitoring wells that are screened within the shallow fill at and near the property. Eight of the monitoring wells are also used for groundwater quality monitoring. The following sections describe the results of the groundwater level and water quality monitoring conducted in June 2003.

3.1 GROUNDWATER ELEVATIONS

Groundwater elevations measured at each well during the annual groundwater monitoring event are listed in Table 2-2. Similar to previous years, groundwater elevation contours for the annual monitoring event (shown on Figure 3-1) indicate the groundwater flow is generally toward the west, consistent with the regional groundwater flow toward Elliott Bay to the west (Landau Associates and Hart Crowser 1996).

As reported in previous annual reports (Landau Associates 2002, 2003), the configuration of groundwater elevations and elevation contours used to infer groundwater flow direction changed in March 2001 due to a relative decrease in groundwater elevation at upgradient well B-4. Prior to March 2001, the average groundwater elevation at well B-4 was 0.54 ft. Since March 2001, the average groundwater elevation at well B-4 has been -2.16 ft. Fluctuations in groundwater elevation since 1997 at each well are graphically presented on Figure 3-2. The change in relative groundwater elevation at well B-4 occurred after the January 2001 measurement. Possible explanations for the relative change in the groundwater elevation at well B-4 were discussed in the 2000-2001 annual report (Landau Associates 2002). These explanations included possible physical changes to the well and/or subsurface conditions in the vicinity of the well due to the Nisqually earthquake that occurred on February 28, 2001; variations in precipitation; and groundwater dewatering or similar activity at a nearby location. As discussed in previous annual reports, an inspection of the wells immediately following the earthquake showed no indications of settlement or disturbance to the wells. Also, contacts with surrounding property owners did not identify any dewatering activities that would have an impact at well B-4 (Landau Associates 2002). A comparison of monthly precipitation averages measured at the Seattle-Tacoma Airport weather station to groundwater elevations at well B-4 did not indicate any correlation between precipitation and significant decreases in groundwater elevations at well B-4 (Landau Associates 2003). For these reasons, the most likely explanation for the relative decrease in groundwater elevations at well B-4 is a physical change in the subsurface that provides a new preferential pathway for groundwater (e.g., a new conduit formed by a broken pipeline). If a physical change in the subsurface is the cause, it is likely to have occurred as a result of the February 2001 earthquake. Despite the localized water level low in the vicinity of B-4,

groundwater flow is likely to be generally to the west, consistent with the regional groundwater flow direction.

3.2 CHEMICAL ANALYSIS RESULTS

ARI conducted the analyses of the groundwater samples for the constituents identified in Section 2.2. Following receipt of the analytical results, the data was validated as described in Appendix A of the CAP. The results of the data validation performed by Landau Associates and a summary of the data qualifiers are presented in Appendix A.

The analytical results for the property wells are similar to previous results. A summary of the analytical results (with data qualifiers added as appropriate) for the June 2003 annual sampling event at each well is provided in Table 2-3. The associated laboratory data reports are maintained at Landau Associates' office in Edmonds, Washington. The analytical methods, cleanup levels, screening levels, and practical quantitation limits (PQLs) are also shown in Table 2-3.

PQLs for most constituents are listed in the CAP. For those constituents without a PQL in the CAP, a PQL was determined. For diesel-range, motor oil-range, and gasoline-range petroleum hydrocarbons, the PQL was calculated from ARI's method reporting limit. For other constituents, the PQL was based on the method reporting limit and PQLs listed in the CAP for similar compounds. Analysis for some constituents, including naphthalene, was performed using both Method 8260 (VOCs) and Method 8270 (SVOCs). Results for both methods are included in Table 2-3. An evaluation of compliance with cleanup or screening levels is provided in Section 4.2.

Analysis for both cyanide and weak acid dissociable cyanide has been performed during the past eight sampling events. During these eight sampling events, all total cyanide and weak acid dissociable cyanide concentrations have been less than their respective PQLs. For all samples with detections of total cyanide above the reporting limit, the concentration of weak acid dissociable cyanide was less than the total cyanide concentration. For one sample, from well B-6R in December 2001, total cyanide was not detected above the reporting limit of 5 µg/L, but weak acid dissociable cyanide was detected at a concentration of 10 µg/L.

Graphs showing concentrations over time at all wells were constructed for six constituents: diesel-range and gasoline-range petroleum hydrocarbons, benzene, naphthalene, acenaphthene, and arsenic. These constituents were selected because they consistently have had detections above the PQL in at least several wells and, therefore, can be used for comparisons of concentrations between wells or over time. Concentration graphs for these six constituents are shown on Figures 3-3 through 3-8.

Concentrations of diesel-range and gasoline-range petroleum hydrocarbons in property wells were similar to concentrations measured during previous monitoring events. Concentrations of diesel-range and gasoline-range petroleum hydrocarbons continued to be significantly higher in monitoring wells B-4 and MW-101R than in other wells. Motor oil-range petroleum hydrocarbons have been detected only at monitoring well B-4 during the past eight monitoring events.

The concentration of diesel-range and motor oil-range petroleum hydrocarbons at well B-4 increased during the June 2003 sampling event compared to previous results. The diesel-range petroleum hydrocarbon concentration was 15,000 µg/L. The concentration of motor oil-range petroleum hydrocarbons was 6,800 µg/L. However, concentrations of acenapthene and naphthalene have decreased at well B-4 and are now lower than concentrations previously measured at this well. Concentrations of these constituents in other wells are within the range of previous results.

The concentration of gasoline-range petroleum hydrocarbons at B-4 decreased since the previous groundwater sampling event, in June 2002, from 5,400 to 3,300 µg/L. The concentration of gasoline-range petroleum hydrocarbons at well MW-107R, however, increased to 2,500 µg/L.

Concentrations of benzene, a typical gasoline component, continue to be highest in monitoring wells MW-105, B-4, and MW-101R. The concentration of arsenic is consistently higher in background monitoring well B-6R than in other wells.

4.0 EVALUATION OF RESULTS

Following completion of the last eight groundwater monitoring events at the property (performed between December 2000 and June 2003), a statistical evaluation was performed to determine compliance with the cleanup levels at each well and, if appropriate, background-based screening levels. Procedures to be used to evaluate exceedances of cleanup levels are described in the CAP. The CAP specifies that basic statistical parameters such as mean and median be developed and that the UCL be calculated for compliance well data to evaluate exceedances of cleanup levels. In accordance with the CAP, the methodology used for demonstrating statistical compliance followed statistical methods from the Ecology Toxics Cleanup Program guidance document, *Statistical Guidance for Ecology Site Managers* (Ecology 1992), the *Supplement to Statistical Guidance for Ecology Site Managers* (Ecology 1993), and MTCAStat97 compliance module. In general, compliance was determined by calculating the UCL for each detected compound at each well and comparing it to the cleanup level listed in the CAP. For arsenic and some petroleum hydrocarbon-related constituents, screening levels were calculated based on concentrations found in one of the background wells.

4.1 CALCULATION OF SCREENING LEVELS BASED ON BACKGROUND FOR SOME CONSTITUENTS

4.1.1 ARSENIC

Arsenic is present in several wells, including background well B-6R, at levels above the cleanup level listed in the CAP. For the past eight sampling events, the highest concentrations have been found in background well B-6R. Therefore, a natural background-based groundwater screening level was calculated for arsenic. The background-based screening level was calculated in accordance with WAC 173-340-700(4)(d), the Ecology Toxics Cleanup Program guidance document, *Statistical Guidance for Ecology Site Managers* (Ecology 1992) using MTCA Stat97 Background Module, and the concentrations found in background well B-6R from October 1997 to June 2003. The printed report for the background calculations showing the screening level based on the 90^{th} percentile value as well as the data upon which it is based is provided in Appendix B. The background-based screening level was used for comparison with data from all property monitoring wells because it is considered to represent conditions that could be present upgradient of the property.

4.1.2 PETROLEUM HYDROCARBONS AND RELATED CONSTITUENTS

Previous evaluations of monitoring data have indicated that the source or sources of petroleum hydrocarbons and related constituents was upgradient of the Union Station property (Landau Associates 2003, 2002, 2000). As shown on Figures 3-3, 3-4, 3-5, and 3-7 and in Table 2-3, concentrations of these constituents, except benzene, in monitoring well B-4, have typically exceeded concentrations found in property wells, and continued to do so in the June 2003 sampling event. No cleanup levels are included in the CAP for diesel-range, gasoline-range, or motor oil-range petroleum hydrocarbons. As was done in previous evaluations, the process described in Section 4.1.1 above for calculating a screening level based on the 90th percentile value was also used for diesel-range and gasoline-range petroleum hydrocarbons, benzene, and acenaphthene. Screening levels were calculated based on concentrations found in background well B-4 from October 1997 to June 2003. These screening levels are similar to screening levels calculated previously. These screening levels, in addition to the cleanup levels specified in the CAP, if any, were used for evaluation of data from property wells. Motor oil-range petroleum hydrocarbons were not detected in property wells; therefore, a background-based screening level was not calculated. For other petroleum-related constituents that also appear to be migrating onto the property from off of the property, background-based screening levels were not calculated because concentrations in property wells do not exceed the cleanup levels designated in the CAP. The printed reports for background calculations showing the screening level based on the 90th percentile value for diesel-range and gasoline-range petroleum hydrocarbons, acenapthene, naphthalene, and benzene are provided in Appendix B.

4.2 STATISTICAL METHODOLOGY

In accordance with Ecology's guidance documents, the procedure for calculating the UCL was determined based on the percent of nondetect values and detected values less than the PQL (i.e., censored data) within a data set, as follows:

- **Case 1:** If the data set contained up to 15 percent censored data, the UCL was calculated. Prior to performing the calculation, the nondetect values were replaced by a value of half the detection limit and the detected values less than the PQL were replaced by a value of the detection limit. The distribution of the sample data was then determined (i.e., normal or lognormal distribution) and the appropriate UCL calculation was made. Ecology's software package (MTCAStat, Version 3.0) was used to determine the distribution of each data set and to calculate the UCL.

- **Case 2:** If the data set contained between 15 percent and 50 percent censored data, the UCL was calculated directly using MTCAStat, Version 3.0. Censored data was addressed by Cohen's method directly in MTCAStat.

- **Case 3:** If the data set contained more than 50 percent, but less than 100 percent censored data, the UCL was set equal to the maximum concentration in the data set.

No guidance is available for performing statistical evaluations on data sets that contain 100 percent censored data. For this evaluation, if a compound was not detected in any of the wells during the eight groundwater monitoring events, then no further evaluation was performed for that compound and the compound was omitted from Table 4-1. If a compound was detected at least once during the eight groundwater monitoring events in at least one of the property wells, the constituent was included in the statistical summary provided in Table 4-1. For those wells where the constituent was not detected, the following procedure was performed:

- **Case 0:** If the data set contained 100 percent censored data, no UCL was calculated and the well was determined to be in compliance.

Table 4-1 lists the statistical procedure (coded by case number) applied to each well data set. Also included in Table 4-1 are the percentages of censored and uncensored data for each well.

The data set used in each statistical evaluation consisted of eight data points (i.e., the eight groundwater sampling events from December 2000 to June 2003).

4.3 COMPLIANCE EVALUATION

In accordance with the CAP, a comparison of the UCL to the cleanup level for each compound detected at each well was performed. If the calculated UCL for a property well was less than or equal to the cleanup level (or, for arsenic, the screening level), then it was determined that the well was in compliance for that constituent. In some cases, no UCL was calculated because the analyte was not detected or all of the detected values were less than the PQL, as described below. A summary of cleanup and screening levels, the calculated UCLs, and other statistical parameters required by the CAP for each well is provided in Table 4-1. For some petroleum-related constituents and arsenic, the UCL was also compared to a screening level based on concentrations in background well B-4 or B-6R. The results of the evaluation were similar to those of previous evaluations. The results of the evaluation for each onsite well are discussed below and summarized in Table 4-2.

4.3.1 MONITORING WELL MW-101R

At monitoring well MW-101R, UCLs were calculated for diesel-range petroleum hydrocarbons, gasoline-range petroleum hydrocarbons, arsenic, and several SVOCs and VOCs. No UCL was calculated for the other constituents because all of the data for these constituents were censored (below the PQL). Only the UCLs for benzene, acenaphthene, and arsenic exceed the cleanup levels included in the CAP.

The UCLs for these constituents, however, were less than the background-based screening levels. There is no cleanup level for gasoline-range or diesel-range petroleum hydrocarbons in the CAP; therefore, the UCLs for these constituents were compared to the background-based screening levels (8,671 and 7,581 µg/L, respectively). Neither background-based screening level was exceeded.

The UCLs calculated based on data for the past eight groundwater monitoring events were similar to the UCLs calculated based on earlier data (September 2000 to June 2002), indicating no significant increases or decreases in detected concentrations at this well since the previous reporting period.

4.3.2 MONITORING WELL MW-102R

At monitoring well MW-102R, UCLs were calculated for arsenic, acenaphthene, acetone, diesel-range petroleum hydrocarbons, and naphthalene. No UCL was calculated for the other constituents because all of the data for these constituents were censored. The UCL for arsenic (9.4 µg/L) exceeded the cleanup level included in the CAP (4 µg/L), but was less than the background-based screening level (35µg/L). All other UCLs were less than the respective cleanup levels in the CAP. There is no cleanup level for diesel-range petroleum hydrocarbons in the CAP; therefore, the UCL for this constituent was compared to the background-based screening level. The UCL for diesel-range petroleum hydrocarbons (400 µg/L) was less than the background-based screening level (8,691 µg/L).

Except for the UCL for acetone, the UCLs calculated based on data for the past eight groundwater monitoring events were similar to UCLs calculated based on earlier data. Until the most recent sampling event (June 2003), acetone had not been detected at well MW-102R at concentrations above the PQL of 10 µg/L; therefore, no UCL was previously calculated for acetone at this well. Because acetone was detected above the PQL once at well MW-102R in the past eight groundwater monitoring events, the UCL was set equal to the maximum detected concentration. This concentration, however, is well below the cleanup level identified in the CAP.

4.3.3 MONITORING WELL MW-104

For monitoring well MW-104, UCLs were calculated for diesel-range petroleum hydrocarbons, naphthalene, acenaphthene, and other SVOCs. No UCL was calculated for the other constituents because all of the data for these constituents were censored. None of the UCLs exceeded the cleanup levels included in the CAP, or the background-based screening levels.

Except for naphthalene, the UCLs calculated based on data for the past eight groundwater monitoring events were similar to the UCLs calculated based on earlier data. The UCL calculated for naphthalene using the past eight sampling events was about 48 percent less than the UCL calculated based

on data collected between September 2000 to June 2002, indicating a decrease in napthalene concentration at this well.

4.3.4 MONITORING WELL MW-105

For monitoring well MW-105, UCLs were calculated for diesel-range petroleum hydrocarbons, gasoline-range petroleum hydrocarbons, arsenic, and several SVOCs and VOCs. No UCL was calculated for the other constituents because all of the data for these constituents were censored. The UCL for benzene (350 µg/L) exceeded the cleanup level included in the CAP (71 µg/L) and the background-based screening level (233 µg/L). The UCL for arsenic (19 µg/L) exceeded the cleanup level included in the CAP (4 µg/L), but did not exceed the background-based screening level (35 µg/L). All other UCLs were less than the respective cleanup levels or, for diesel-range petroleum hydrocarbons, the background-based screening level. A comparison of the UCL for naphthalene calculated for the past eight groundwater monitoring events to the UCL calculated based on data from the eight groundwater monitoring results from September 2000 to June 2002, indicates that the UCL for naphthalene has decreased by about 15 percent at this well. UCLs for diesel-range and gasoline-range petroleum hydrocarbons, other SVOCs, and VOCs have also slightly decreased. The UCL calculated for arsenic is similar to the previously calculated UCL.

4.3.5 MONITORING WELL MW-107R

For monitoring well MW-107R, UCLs were calculated for diesel-range and gasoline-range petroleum hydrocarbons, arsenic, and several SVOCs and VOCs. No UCL was calculated for the other constituents because all of the data for these constituents were censored. The UCL for arsenic (8 µg/L) exceeded the cleanup level included in the CAP (4 µg/L), but did not exceed the background-based screening level (35 µg/L). No other UCLs exceeded the respective cleanup levels in the CAP or, for diesel-range petroleum hydrocarbons, the background-based screening level. In general, the UCLs calculated for the past eight groundwater monitoring events were slightly higher (10 percent or less) than the UCLs calculated based on data from the eight groundwater monitoring events from September 2000 to June 2002. The UCL for naphthalene, however, increased by about 60 percent. Although the concentration of naphthalene increased at this well in June 2003, the concentration is within the range of previous results. The UCL for arsenic was the same as the previously calculated UCL.

4.3.6 MONITORING WELL 108R

For monitoring well MW-108R, UCLs were calculated for naphthalene, arsenic, and selenium. No UCLs were calculated for the other constituents because all the data for these constituents were censored. Only the UCL for arsenic (15 µg/L) exceeded the cleanup level included in the CAP (4 µg/L), but it did not exceed the background-based screening level (35 µg/L).

The UCL for naphthalene calculated for the past eight groundwater monitoring events increased by about 36 percent compared to the UCL calculated based on data from the eight groundwater monitoring results from September 2000 to June 2002. The calculated UCLs for the other two constituents, arsenic and selenium, are similar to the previously calculated UCLs.

4.4 SUMMARY OF EVALUATION RESULTS

Acenapthene, arsenic, and benzene were identified in the previous section as exceeding cleanup levels included in the CAP in one or more wells. A background-based screening level was calculated for each of these constituents. Only the background-based screening level for benzene was exceeded. Exceedances of cleanup levels and background-based screening levels for these constituents are consistent with the exceedances identified during previous statistical evaluations (Landau Associates 2000, 2002, and 2003). Each of the constituents exceeding cleanup or background-based screening levels is discussed below and summarized in Table 4-2.

4.4.1 ACENAPHTHENE

Acenaphthene is a typical constituent of diesel as well as coal tar. Acenaphthene was detected in all property wells, except MW-108R. Since 1997, acenaphthene has also been consistently detected in samples collected from background well B-4 at concentrations from 180 µg/L to 450 µg/L. Based on the measured concentrations in well B-4, the background-based screening level is 454 µg/L. Only the UCL calculated for acenaphthene at well MW-101 (350 µg/L) exceeds the CAP cleanup level (225 µg/L). None of the calculated UCLs exceeded the background-based screening level. The presence of acenaphthene currently and historically in monitoring well B-4 at high concentrations relative to concentrations detected on the property indicates that there is an off-property source or sources of acenaphthene. The exceedance of the CAP cleanup level in one well does not represent contamination originating from the property and, therefore, should not trigger implementation of groundwater treatment or prevent continued annual groundwater monitoring.

4.4.2 BENZENE

Benzene is a constituent of gasoline and is typically found in groundwater contaminated from relatively recent spills of gasoline. It can also be associated with coal gasification plants; however, groundwater testing prior to and during the RI did not indicate that benzene was present at the property from the coal gasification plant formerly located on the property. In addition, gasoline and other gasoline-related constituents, such as ethylbenzene, toluene, xylenes, and substituted benzenes, are also detected in property monitoring wells, making it likely that the source of the benzene is gasoline. Benzene, along with other petroleum-related constituents, is apparently migrating in groundwater to the property from off of the property. Benzene has been detected consistently in samples from monitoring well B-4. Although the background-based screening level used for comparison (233 µg/L) was calculated based on the data from monitoring well B-4, it is likely that the data from B-4 does not reflect the maximum concentration in groundwater migrating onto the property. The UCLs for wells MW-101R and MW-105 exceed the CAP cleanup level. The UCL for well MW-105 also exceeds the background-based screening level. These exceedances do not represent contamination originating from the property and, therefore, should not trigger implementation of groundwater treatment or prevent continued annual groundwater monitoring.

4.4.3 ARSENIC

Arsenic is a naturally occurring metal in soil and groundwater. Ecology determined that the 90th percentile value for background arsenic concentration in soil in the Puget Sound region is 7 mg/kg (Ecology 1994). Arsenic was detected in groundwater at concentrations above the PQL in all property wells except MW-104. Because the CAP cleanup level is equal to the PQL, the detections resulted in the UCLs exceeding the CAP cleanup level for the property wells. Based on the concentrations measured in well B-6R, the background-based screening level is 35 µg/L. There are no exceedances of the background-based screening level. The presence of arsenic in a background well at concentrations greater than those found in property wells indicates that arsenic is present upgradient of the property. The exceedances of the CAP cleanup level do not represent contamination originating from the property and, therefore, should not trigger implementation of groundwater treatment or prevent continued annual groundwater monitoring.

4.5 MAJOR IONS

Major ion analyses were performed for the groundwater samples collected in June 2003, as required periodically under the Consent Decree. The data is included in Table 2-3. Major ion analyses

have been previously performed during the October 1997, December 1998, March 2000, and June 2001 sampling events. During several of the sampling events for which major ions were analyzed, some groundwater samples were not analyzed for major ions because insufficient volumes of water could be collected. Two sampling events where groundwater samples from both off-property wells and the majority of on-property wells were analyzed, June 2003 and December 1998, were selected for evaluation in this report.

To evaluate the composition of the groundwater at each well, the ion concentration data was converted to ionic strength values and then graphed using a trilinear plotting technique (Hem 1986). Trilinear plots are commonly used to assess differences or mixing between different aquifers or water sources. Plotting was performed using the RockWare (1997) software. Ion concentration diagrams for the December 1998 sampling event and the June 2003 sampling event are shown on Figures 4-1 and 4-2, respectively.

Based on these plots, the following observations were made regarding the relative ionic strengths:

- The property wells appear to have higher ionic strengths of chloride than upgradient wells. Chloride in these wells is likely a result of the marine tideland soil underlying the fill material on the property. The lower ionic strength of chloride in the upgradient wells reflects non-marine soil and largely less saline groundwater east of the property.

- The results show a small dispersion of cation (calcium, magnesium, sodium, and potassium) results. Upgradient wells B-4 and B-6 both show greater calcium ionic strength than other wells.

A comparison of the 1998 (Figure 4-1) and the June 2003 (Figure 4-2) ion concentration diagram does not indicate significant changes in ion concentrations at the wells over time, although they do show some modest changes in chloride at well MW-101R.

5.0 CONCLUSIONS

Evaluation of historical and current analytical results for the property indicates that there is at least one, and probably several, upgradient sources of gasoline-range and diesel-range petroleum hydrocarbons and related constituents that are migrating in groundwater onto the property. For this reason, groundwater concentrations at well B-4 have historically been used to evaluate compliance for gasoline-range and diesel-range petroleum hydrocarbons, acenaphthene, and benzene in property wells. Beginning in March 2001, the groundwater elevation at well B-4 decreased relative to other wells. The lower groundwater elevation at well B-4 has caused some uncertainty of the interpretation of groundwater flow direction in the vicinity of this well. However, concentrations of constituents in property wells have not changed significantly since that time, indicating that the source of contaminants has not changed. In addition, groundwater flow is likely to be generally to the west, consistent with the regional groundwater flow direction. For these reasons, it is appropriate to continue to consider concentrations of these constituents in monitoring well B-4 in compliance evaluations.

Based on the statistical evaluation of groundwater results from the past eight groundwater monitoring events, groundwater concentrations of acenapthene exceed the CAP cleanup level but do not exceed the screening level, at well MW-101R. Groundwater concentrations of benzene exceed the CAP cleanup level at wells MW-101R and MW-105R. The concentration of benzene at well MW-105 also exceeds the screening level. There are no exceedances of screening levels for diesel-range or gasoline-range petroleum hydrocarbons in any property well. These results are consistent with the results of previous statistical evaluations. Historical results for groundwater samples at B-4 have consistently demonstrated that this contamination was and likely is migrating from off-property onto the property (Landau Associates 2000, 2002, 2003). Therefore, because these exceedances do not represent contamination originating on the property, they should not be used to trigger groundwater treatment or preclude continued annual groundwater monitoring.

Arsenic was detected in most property wells and in background well B-6R. Evaluation of the data indicates that arsenic is migrating in groundwater onto the property. A background-based screening level was calculated using the well B-6R data and was used to evaluate compliance. There were no exceedances of the background-based screening level.

Evaluation of major ions provide little insight that differs from conclusions previously developed from water level and other water quality evaluations.

6.0 RECOMMENDATIONS

As described below, it is recommended that the groundwater monitoring frequency continue as annual for an additional year and that the list of constituents for analysis remain the same for one more groundwater monitoring event. After the 2004 monitoring event, if results are consistent with those from previous monitoring events, we will recommend that the frequency of groundwater monitoring be reduced to every 5 years, that constituents for analysis be reduced, and a certificate of completion be issued in accordance with the Consent Decree.

6.1 GROUNDWATER MONITORING FREQUENCY

As summarized in Table 1-1, the CAP provides for reducing the groundwater monitoring frequency to every 5 years if, 3 years after foundation loading (building completion), UCLs are less than or equal to cleanup levels. Foundation loading was completed in June 2001; therefore, a recommendation to reduce monitoring frequency to every 5 years will not be made until after the 2004 groundwater monitoring event. We recommend, however, that the groundwater monitoring continue on an annual basis. As previously mentioned, the CAP cleanup level exceedances are not representative of contamination originating on the property, therefore, they should not be used to preclude continued annual groundwater monitoring.

6.2 CONSTITUENTS FOR ANALYSIS

Although evaluation of the groundwater monitoring data indicates that reduction of the constituents for analysis is appropriate, Ecology has requested that 3 full years of monitoring data be obtained after completing foundation loading (Ecology 2003). Therefore, the current list of analytes will be performed during the 2004 annual groundwater monitoring event. Following evaluation of the 2004 results, a request for reduction of analyses will be included in the 2004 annual groundwater monitoring report, as appropriate.

7.0 USE OF THIS REPORT

This report has been prepared for the exclusive use of Union Station Associates for specific application to the Union Station property groundwater monitoring program. No other party is entitled to rely on the information, conclusions, and recommendations included in this document without the express written consent of Landau Associates. Further, the reuse of information, conclusions, and recommendations provided herein for extensions of the project or for any other project, without review and authorization by Landau Associates, shall be at the user's sole risk. Landau Associates warrants that within the limitations of scope, schedule, and budget, our services have been provided in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as this project. We make no other warranty, either express or implied.

This document has been prepared under the supervision and direction of the following key staff.

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Principal

Stacy J. Pischer, L.G.
Senior Project Geologist

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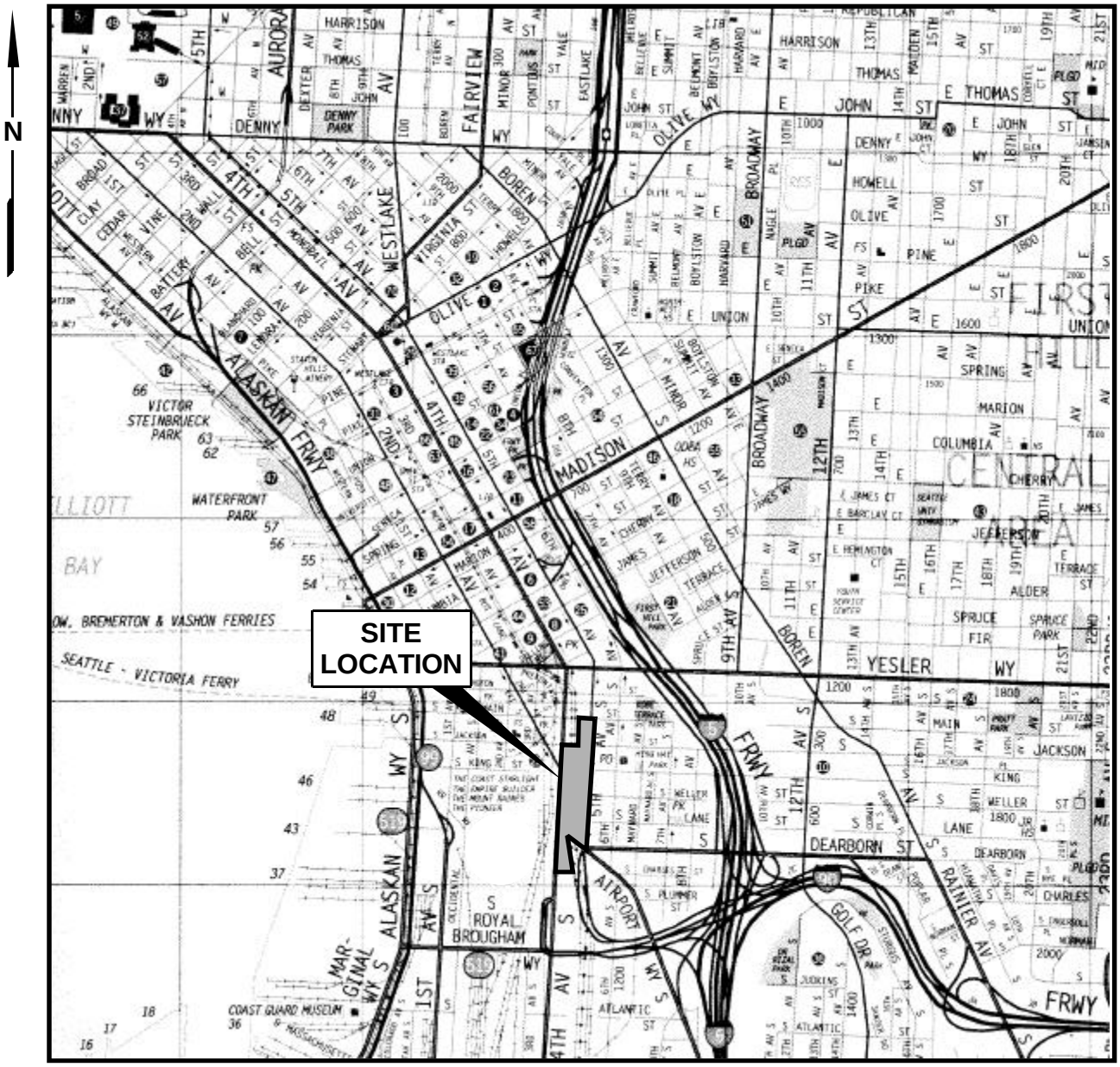

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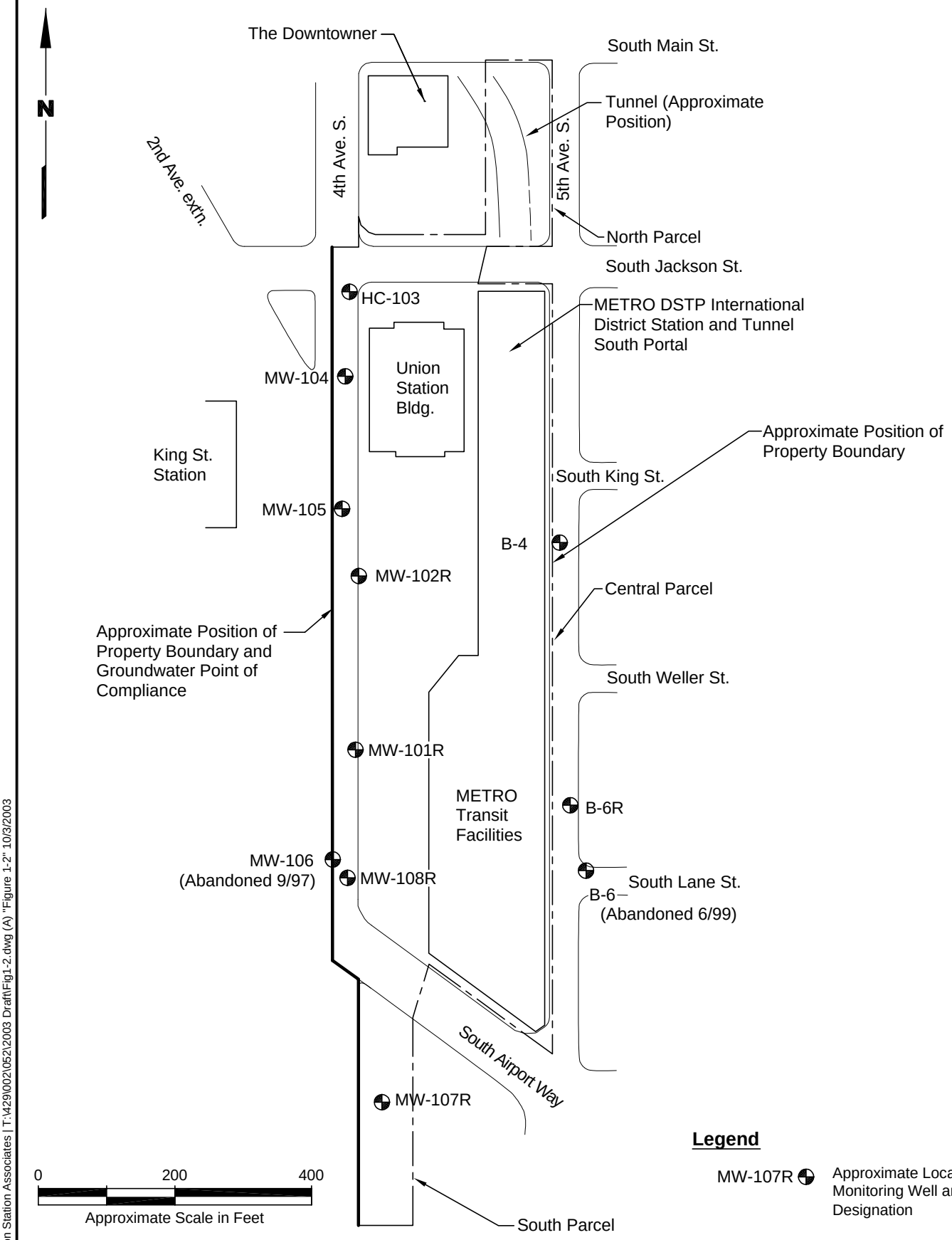
Union Station Seattle, Washington	**Vicinity Map**	Figure 1-1



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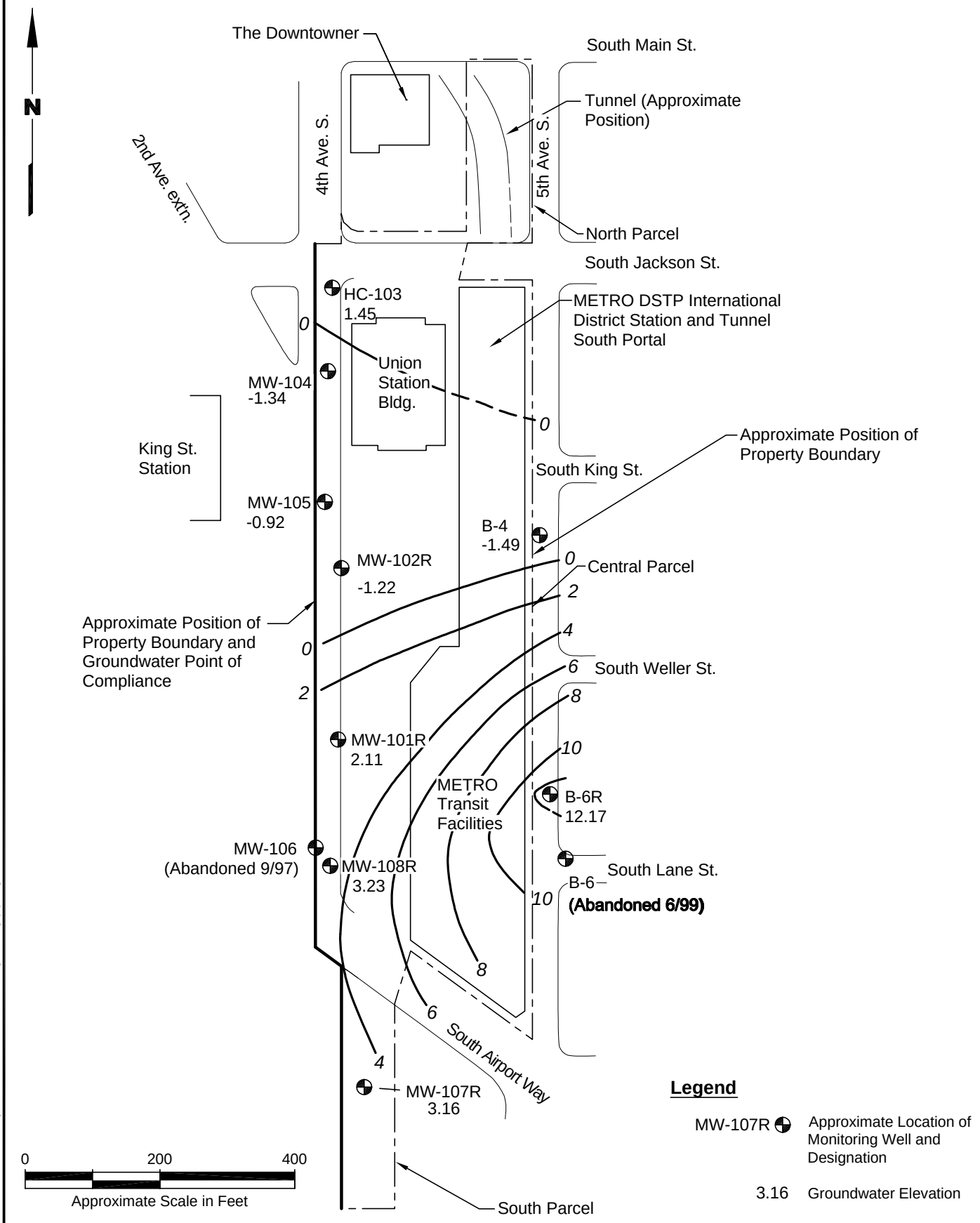
Union Station Seattle, Washington	**Union Station Groundwater Monitoring Well Locations**	Figure **1-2**



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Union Station
Seattle, Washington

Groundwater Elevation Contours
June 2003

Figure
3-1

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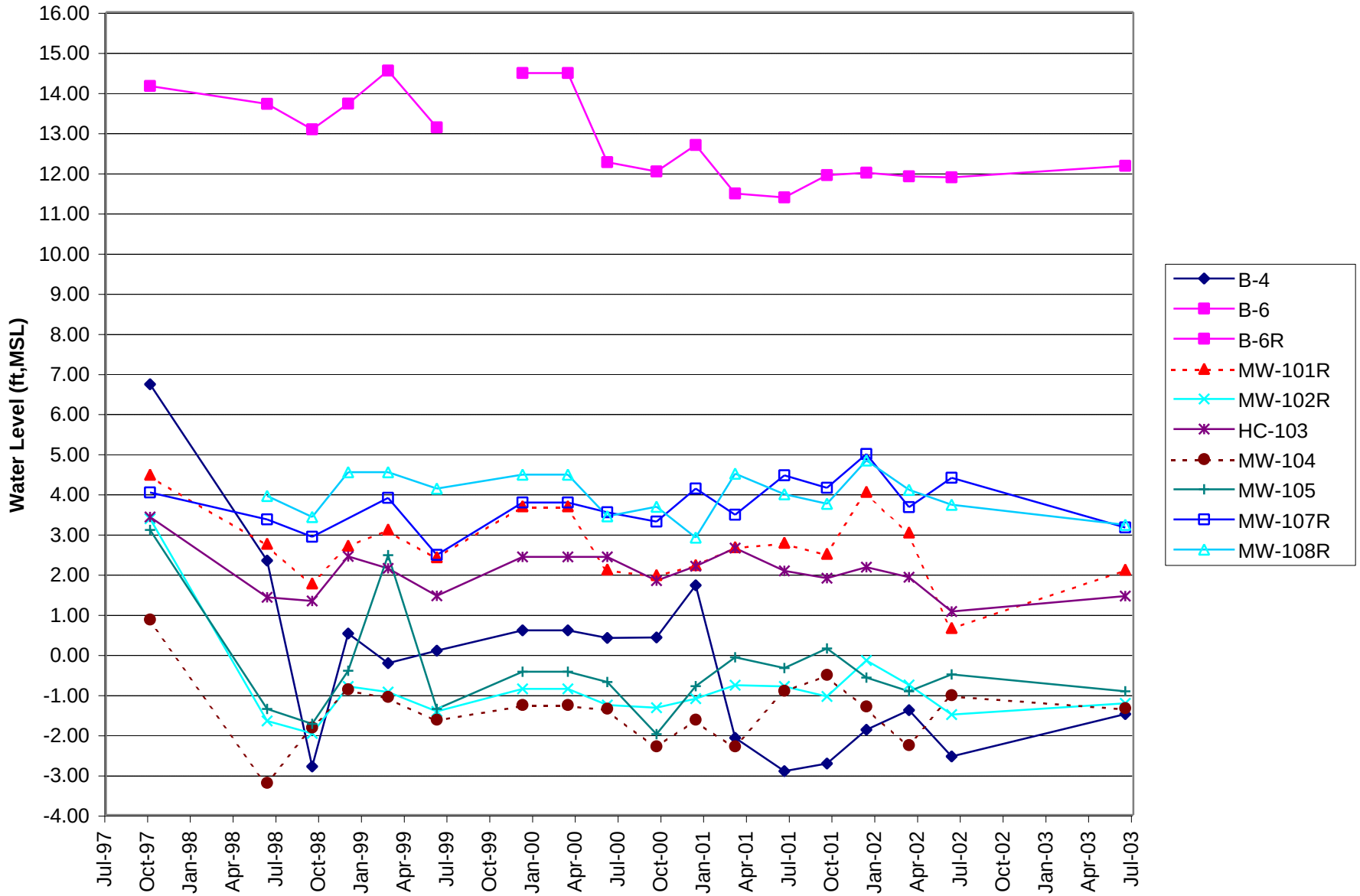


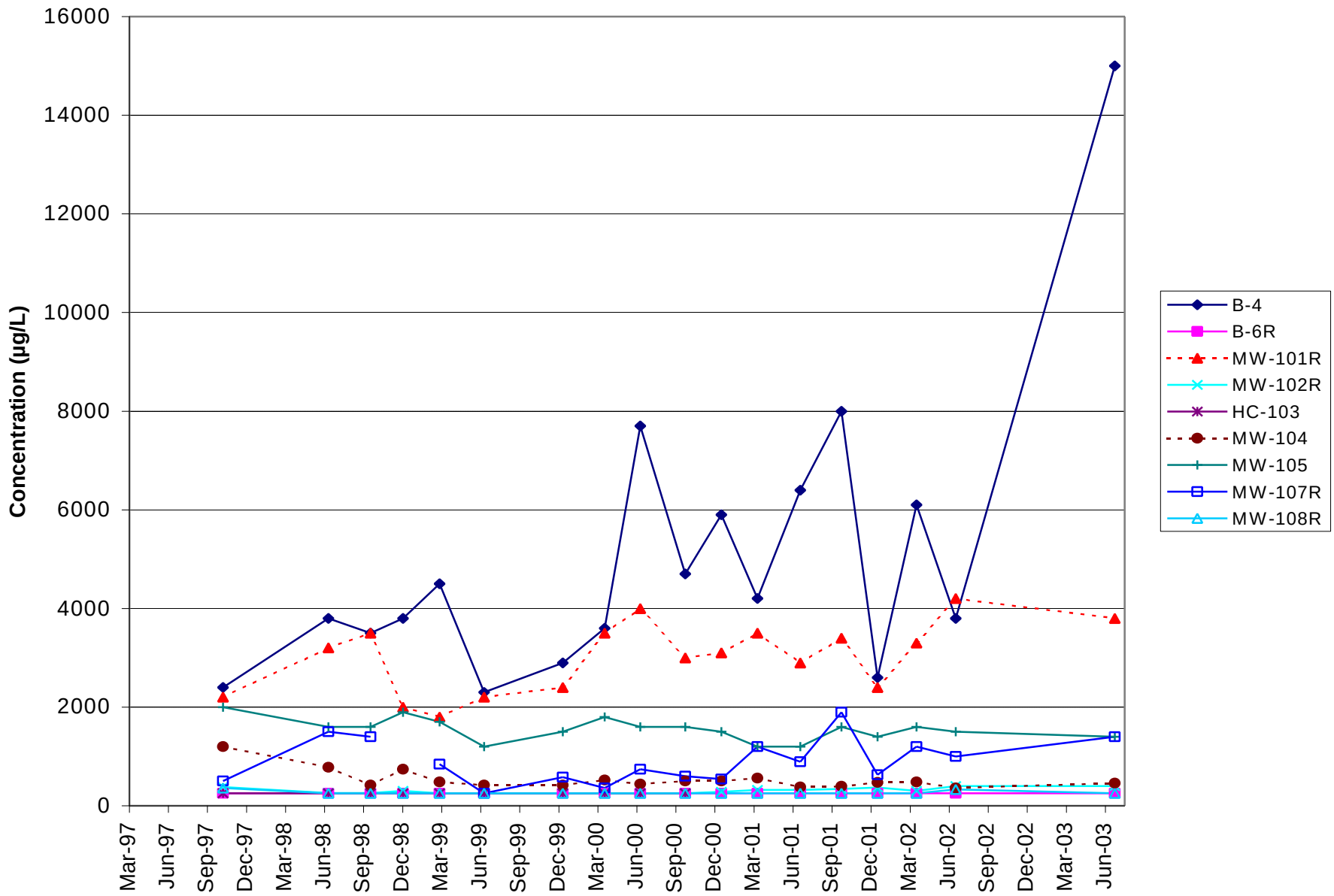
LANDAU ASSOCIATES

Union Station
Seattle, Washington

Groundwater Elevations
October 1997 through June 2003

Figure
3-2

Source: S:\sheets\unionstn\Anual2003\WQPlots2003.xls TPH-D 10/02/03



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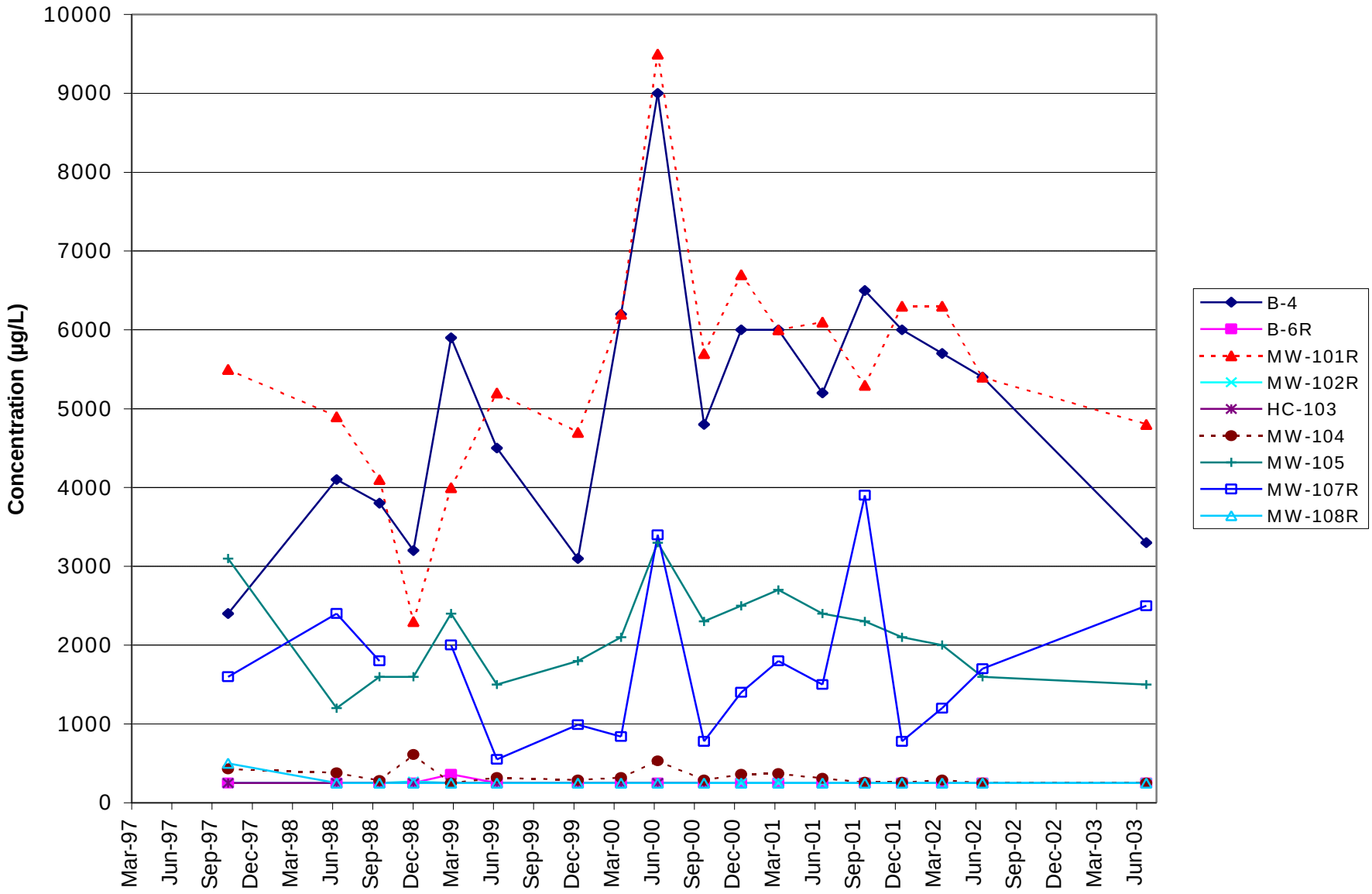
Union Station
Seattle, Washington

Diesel-range Petroleum Hydrocarbon Concentrations

Figure
3-3



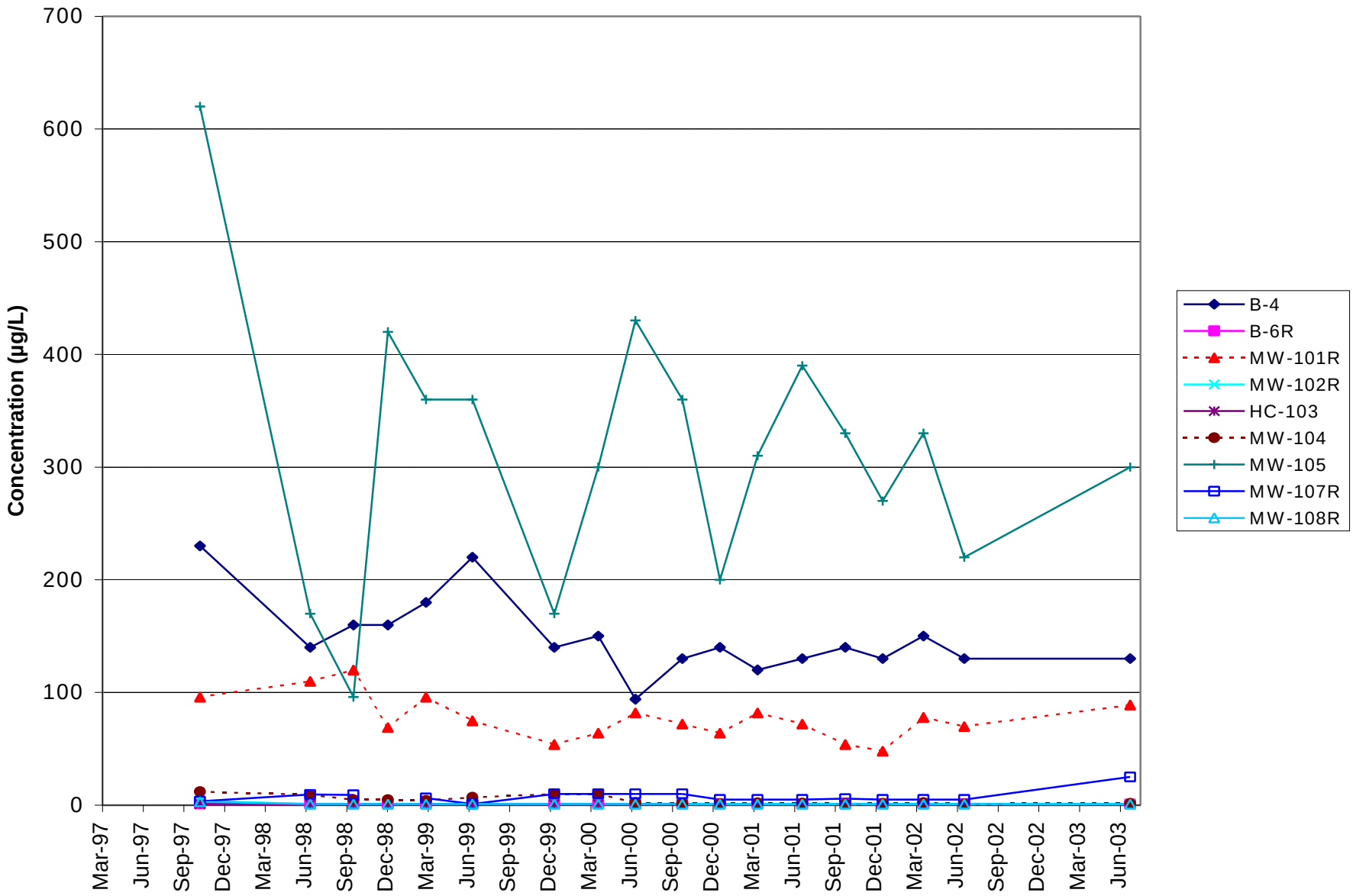
LANDAU ASSOCIATES

Union Station
Seattle, Washington

Gasoline-range Petroleum Hydrocarbon Concentrations

Figure
3-4

Source: S:\sheets\unionstn\Anual2003\WQPlots2003.xls Benzene Plot 9/10/03



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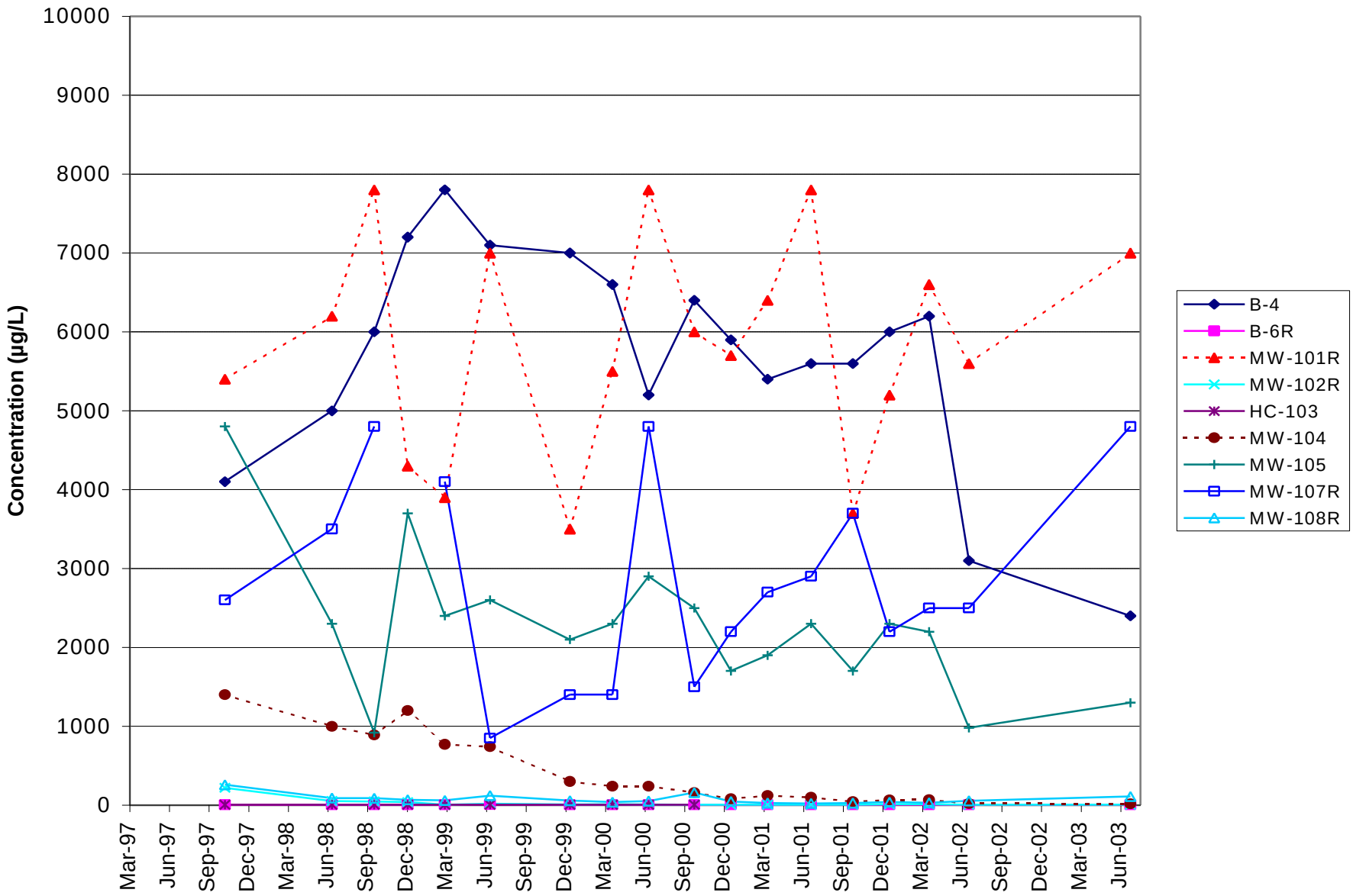
Union Station
Seattle, Washington

Benzene Concentrations

Figure
3-5

Source: S:\sheets\unionstn\Anual2003\WQPlots2003.xls naph 8260 Plot 9/10/03



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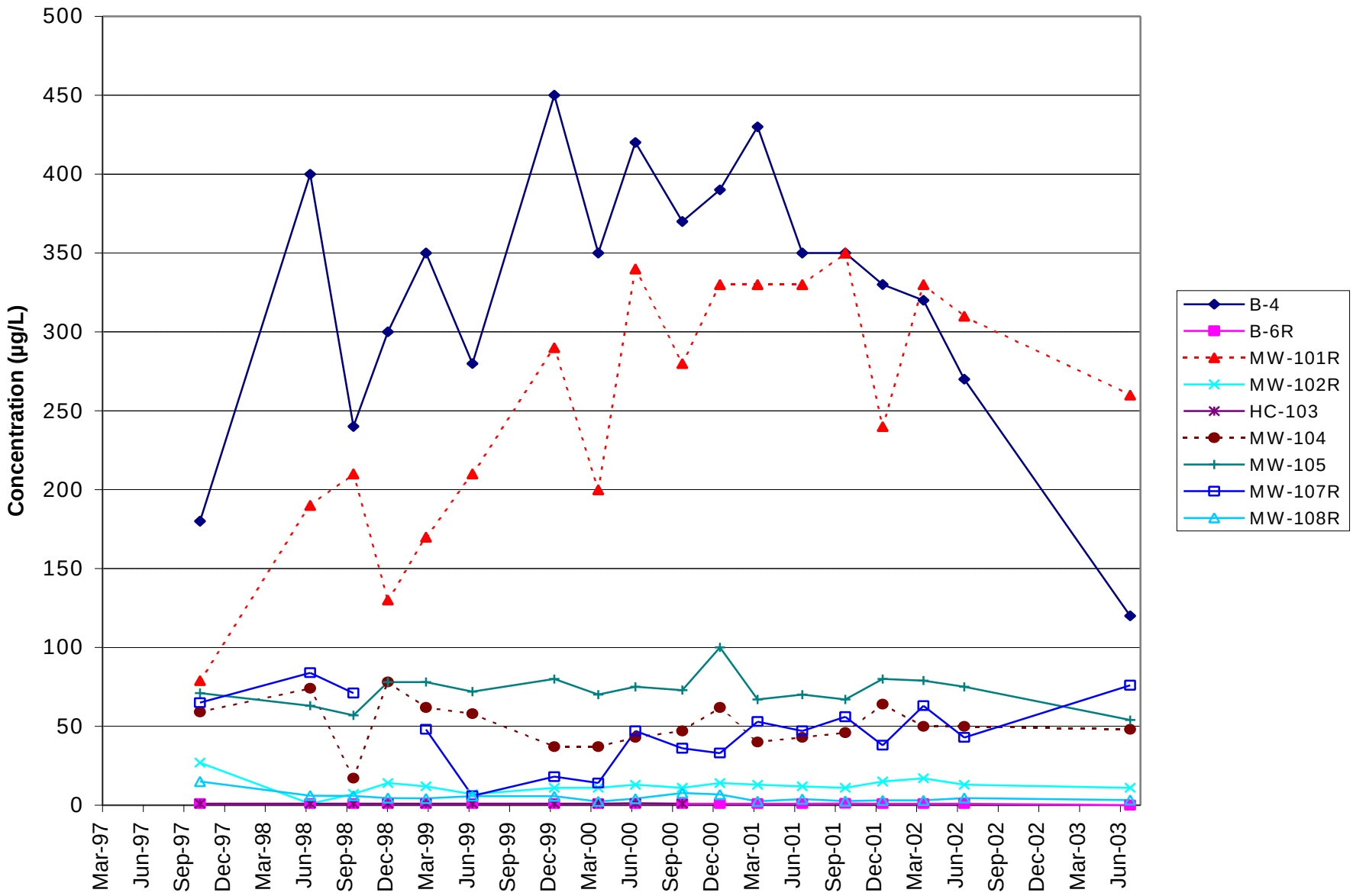
Union Station
Seattle, Washington

Naphthalene (Method 8260) Concentrations

Figure
3-6

Source: S:\sheets\unionstn\Anual2003\WQPlots2003.xls acen Plot 9/10/03

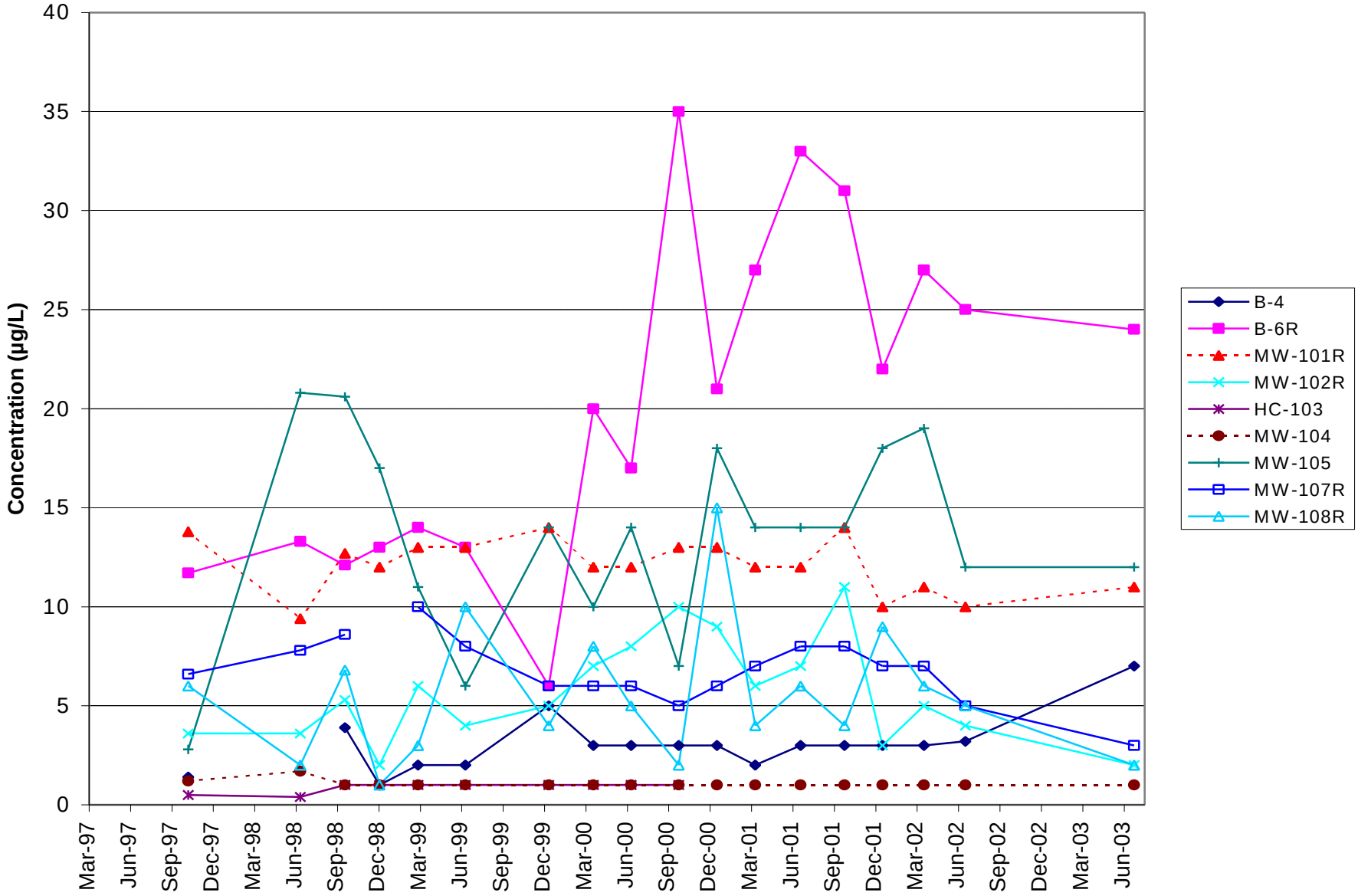


LANDAU ASSOCIATES

Union Station
Seattle, Washington

Acenaphthene Concentrations

Figure
3-7

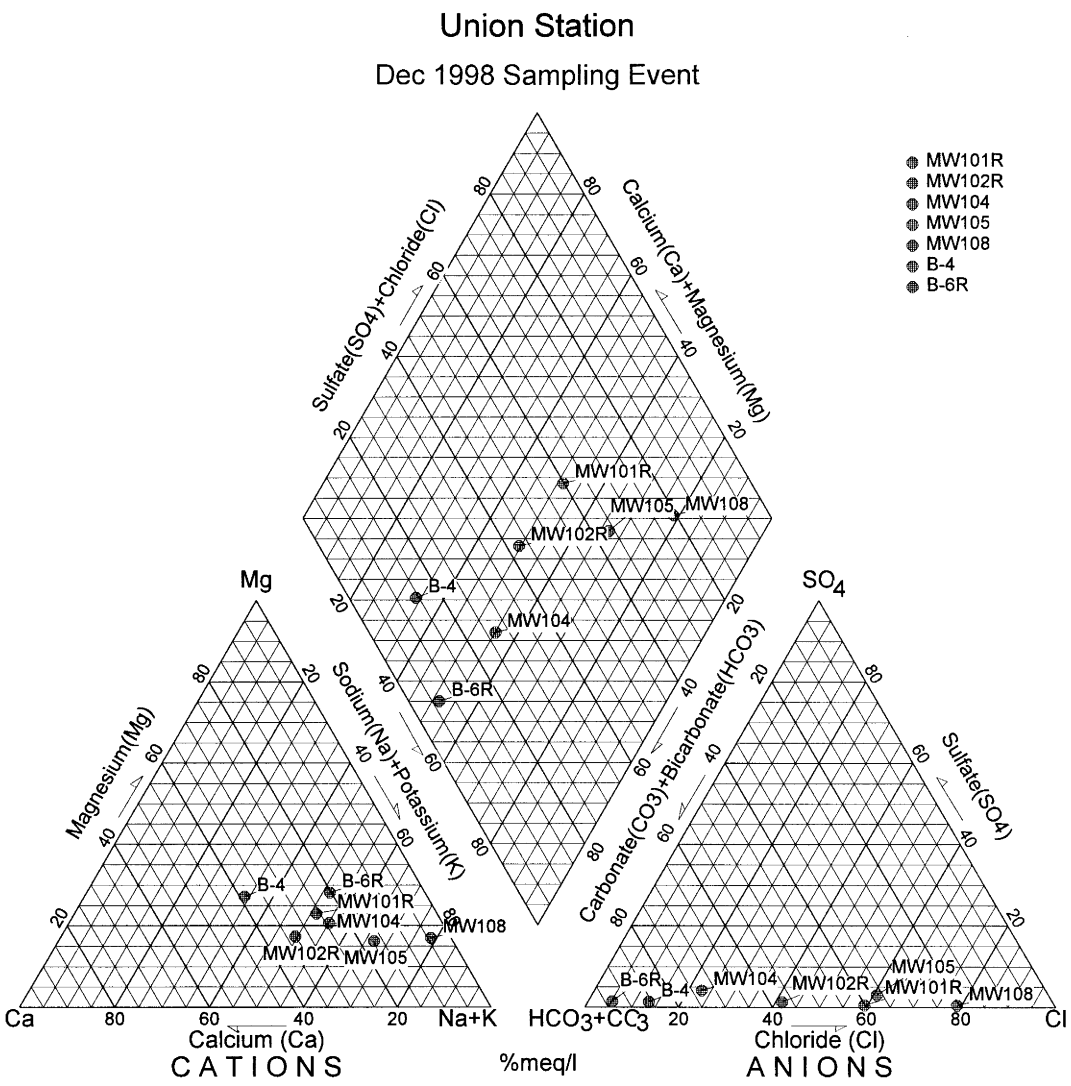


LANDAU ASSOCIATES

Union Station
Seattle, Washington

Arsenic Concentrations

Figure
3-8



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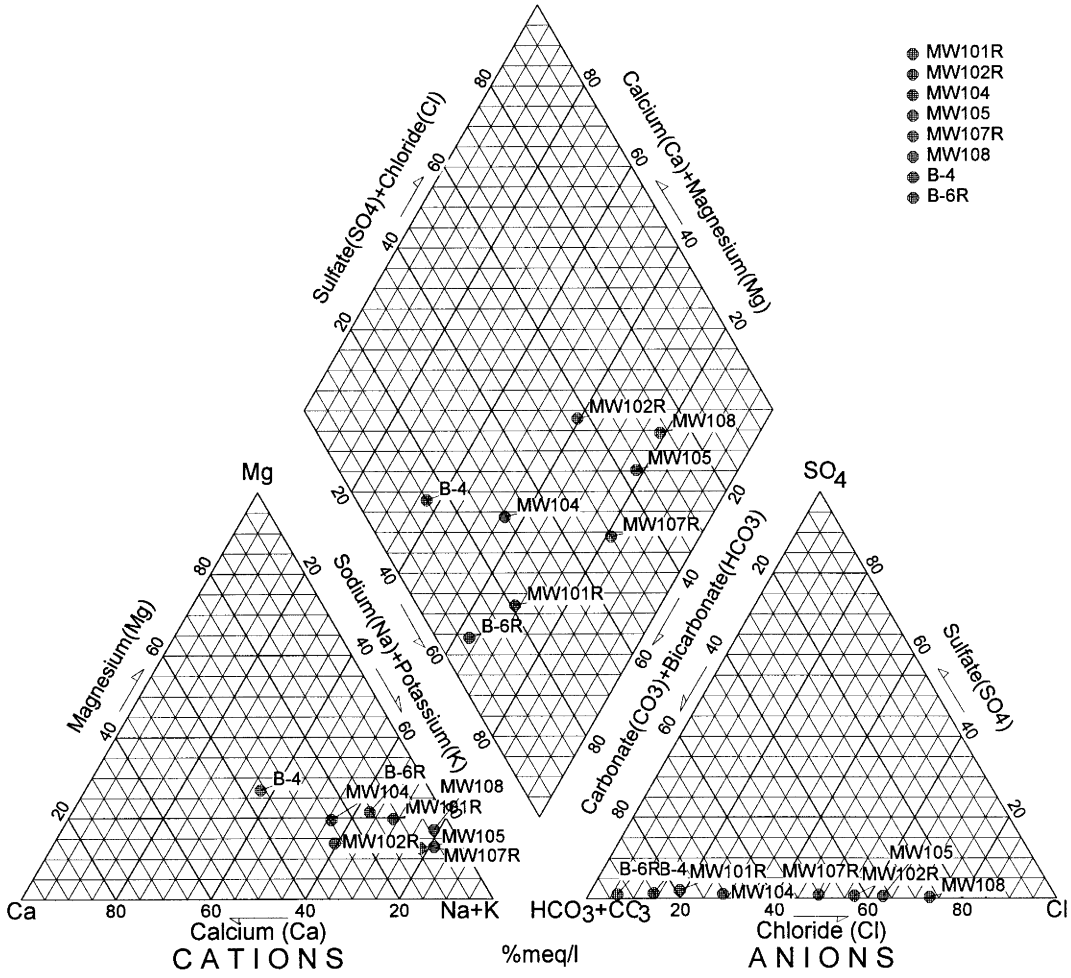
LANDAU ASSOCIATES

Union Station Seattle, Washington	**Ion-Concentration Diagram December 1998**	Figure **4-1**

Union Station

June 2003 Sampling Event



Union Station Associates | T:\429\002\05212003 Draft\Fig4-1_4-2.dwg (A) "Figure 4-2" 10/3/2003

LANDAU ASSOCIATES

Union Station Seattle, Washington	**Ion-Concentration Diagram June 2003**	Figure **4-2**

TABLE 1-1
CONSENT DECREE GROUNDWATER MONITORING AND REMEDIATION

Groundwater Monitoring

Quarterly monitoring for 8 quarters beginning within 3 months of the effective date of the consent decree.

Calculate upper 95% confidence limit (UCL) using the eight quarters of data.

If UCL exceeds cleanup levels, implement groundwater treatment if directed by Ecology to prevent contamination from leaving the site. The parties anticipate that Ecology may revise this cleanup action plan to incorporate new cleanup standards if the cleanup standards are revised by an amendment to the regulations and Ecology determines the use of the new standards is appropriate.

If UCL is less than or equal to cleanup levels, commence annual monitoring.

Annual monitoring until all foundations are completed or until two years after any foundation construction is initiated.

Quarterly sampling for 8 quarters beginning the first quarter after all foundations are completed or the first quarter occurring two years after any foundation construction is initiated.

Calculate upper 95% confidence limit (UCL) using the last eight quarters of data.

If UCL exceeds cleanup levels, implement groundwater treatment if directed by Ecology to prevent contamination from leaving the site. The parties anticipate that Ecology may revise this cleanup action plan to incorporate new cleanup standards if the cleanup standards are revised by an amendment to the regulations and Ecology determines the use of the new standards is appropriate.

If UCL is less than or equal to cleanup levels, commence annual monitoring.

Annual monitoring until foundation loading (building construction) is complete plus 3 additional years.

If any sample exceeds cleanup levels, collect another sample 1 quarter later.

If the second sample is less than cleanup levels, return to annual monitoring .

If the second sample exceeds cleanup levels, commence quarterly monitoring for 1 year (see below).

If no exceedance of cleanup levels has occurred after 3 years, commence monitoring every 5 years.

Monitoring every 5 years.

If any sample exceeds cleanup levels, collect another sample 1 quarter later.

If the second sample is less than cleanup levels, return to annual monitoring for 1 year.

If the second sample exceeds cleanup levels commence quarterly monitoring for 1 year (see below).

If UCL is less than or equal to cleanup levels continue monitoring every 5 years so long as residual hazardous substance concentrations contained onsite exceed site cleanup levels [see WAC 173-340-360 (8)(b)].

Quarterly sampling for 1 year

At end of year, if UCL based on four quarters of data is less than cleanup levels, return to annual monitoring for 3 years

At end of year, if UCL based on four quarters of data is greater than cleanup levels and data show increasing trend and last sample exceeds twice the cleanup level, implement groundwater treatment if directed by Ecology to prevent contamination from leaving the site. Otherwise, continue monitoring for another four quarters.

If, after eight quarters of data have been collected, the UCL based on the eight quarters of data exceed the cleanup level, implement groundwater treatment if directed by Ecology to prevent contamination from leaving the site.

If, after eight quarters of data have been collected, the UCL based on the eight quarters of data is less than the cleanup level, continue monitoring for another four quarters.

If, at the end of the last four quarters, the UCL based on the last eight quarters of data exceeds the cleanup level, implement groundwater treatment if directed by Ecology to prevent contamination from leaving the site.

If, at the end of the last four quarters, the UCL based on the last eight quarters of data is less than the cleanup level, return to annual monitoring for 5 years. If there are no exceedances of cleanup levels during that time, return to monitoring every 5 years.

Groundwater Treatment

Minimize present worth of capital and O&M costs to determine the size and estimated operating time of the system.

Performance monitoring.

Quarterly monitoring during groundwater treatment.

Plot data and do statistical evaluation as directed by Ecology to determine when to terminate treatment or when cleanup standards are met.

Post-Treatment Monitoring

Quarterly monitoring for 8 quarters.

If UCL exceeds cleanup levels and trend analysis does not indicate decreasing trend, return to groundwater treatment.

If UCL exceeds cleanup levels and trend analysis indicates decreasing trend, continue monitoring quarterly. If UCL calculated using the last 8 quarters of data exceeds cleanup levels after 12 quarters of data have been collected, return to groundwater treatment.

If UCL is less than or equal to cleanup levels, commence annual monitoring for 3 years.

Annual monitoring for 3 years.

If any sample exceeds cleanup levels, collect another sample 1 quarter later.

If the second sample is less than cleanup levels return to annual monitoring.

If the second sample exceeds cleanup levels commence quarterly monitoring for 1 year and use triggers in quarterly monitoring above.

If no exceedance of cleanup levels has occurred after 3 years, commence monitoring every 5 years.

Monitoring every 5 years.

If any sample exceeds cleanup levels, collect another sample 1 quarter later.

If the second sample is less than cleanup levels return to monitoring every 5 years.

If the second sample exceeds cleanup levels commence quarterly monitoring (see above).

If UCL is less than or equal to cleanup levels, continue monitoring every 5 years so long as residual hazardous substance concentrations contained onsite exceed site cleanup levels [see WAC 173-340-360 (8)(b)].

Notes:

1. This table was prepared for and originally presented in the CAP.
2. As described in Appendix A of the CAP, alternate statistical methods may be used upon approval by Ecology.

TABLE 2-1
MONITORING WELL SUMMARY
UNION STATION

Well	Installation Date	Abandonment Date	Northing	Easting	Ground Surface Elevation (a)	Reference Elevation (b)	Top of Screen Elevation	Bottom of Screen Elevation	Top of Native Soil Elevation	Notes
HC-101	4-96	3-98	1583.27	1695.87	8.80	9.09	3.8	-6.2	NA	Well was damaged during construction activities and abandoned
MW-101R	3-98	N/A	1583.24	1695.87	9.77	9.06	2.8	-7.2	NA	Replacement well for HC-101; Boring could not be advanced beyond 16 ft BGS.
HC-102	4-96	3-98	1837.46	1700.69	9.30	8.64	4.3	-5.7	NA	Well was damaged during construction activities and abandoned
MW-102R	3-98	N/A	1837.26	1700.58	9.97	8.60	-3.7	-13.7	-14.7	Replacement well for HC-102.
HC-103	4-96	N/A	2253.49	1687.23	10.30	8.99	5.5	-4.5	NA	
MW-104	11-96	N/A	2129.50	1680.99	10.65	9.59	-0.1	-10.1	-12.6	
MW-105	11-96	N/A	1935.82	1676.45	10.07	8.92	-4.5	-14.0	-15.5	
MW-106	11-96	9-97	1422.63	1662.65	9.50	9.07	-1.0	-11.0	-13.5	Well was abandoned to accommodate construction.
MW-107	11-96	10-98	1048.59	1728.86	13.30	12.59	-1.7	-11.7	-12.7	Well was abandoned to accommodate construction.
MW-107R	2-99	N/A	1067.59	1734.64	12.99	12.43	-1.5	-7.0	-10.0	Replacement well for MW-107
MW-108	9-97	4-98	NA	NA	NA	NA	NA	NA	NA	Replacement well for MW-106; well was later damaged during construction activities and abandoned.
MW108R	4-98	N/A	1395.75	1684.25	9.56	8.78	-3.4	-13.4	-14.4	Replacement well for MW-108.
B-4	12-85	N/A	1886.32	1994.74	36.80	36.36	-4.6	-9.6	-12.1	
B-6	12-85	6-99	1406.35	2033.29	34.30	34.08	-0.9	-5.7	NA	Well was abandoned to accommodate construction.
B-6R	11-99	N/A	1501.99	2010.27	34.38	34.38	10.4	-9.6	-17.1	Replacement well for B-6.

NA = Not available
N/A = Not applicable.

(a) Ground surface elevation at time of well installation.
(b) Reference elevation is used for measuring groundwater levels and represents most current survey information.

Note: All elevations are in feet, City of Seattle Datum.

TABLE 2-2

GROUNDWATER ELEVATION SUMMARY
JUNE 2003
UNION STATION

Well	Measuring Point Elevation	Measured Depth to Groundwater	Groundwater Elevation
B-4	36.36	37.85	-1.49
B-6R	34.38	22.21	12.17
MW-101R	9.06	6.95	2.11
MW-102R	8.60	9.82	-1.22
HC-103	8.99	7.54	1.45
MW-104	9.59	10.93	-1.34
MW-105	8.92	9.84	-0.92
MW-107R	12.43	9.27	3.16
MW-108R	8.78	5.55	3.23

Note: All elevations are in feet, City of Seattle Datum.

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 CP44A 12/20/2000	B-4 CV96H 3/14/2001	B-4 DH51I 6/22/2001	B-4 DQ61G 9/26/2001	B-4 DY69A 12/19/2001	B-4 EE79H 3/20/2002
TPH (µg/L)										
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	5900	4200	6400 J	8000 J	2600	6100
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	1100	500 U	1200	2900 J	570	2500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	6000	6000	5200	6500	6000 J	5700
PAH (µg/L)										
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.39	17	1.0	8.3	1.7	1.4
Chrysene	8270-SIM	1.0		1.0	0.34 M	16	0.83	7.4	1.5	1.3 J
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.04 MJ	9.6	0.22	4.3	0.61	0.46
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.05 MJ	13	0.33	5.6	1.2	1.0
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.07 J	17	0.34	7.2	1.3	1.0
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	6.8	0.15	3.6	0.57	0.53
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	2.1	0.10 U	0.98	0.20 U	0.20 M
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA	NA	NA	NA
Acenaphthylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Anthracene	8270-SIM	25900		1.0	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	NA	NA	NA	NA
Fluorene	8270-SIM	2422		1.0	NA	NA	NA	NA	NA	NA
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA	NA	NA	NA
Phenanthrene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Pyrene	8270-SIM	777		1.0	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (µg/L)										
Phenol	8270	1100000		10	60 U	3.3	2.0 U	4.4	6.3	3.5
Bis-(2-Chloroethyl) Ether	8270	10		10	60 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	30 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	150 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	60 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	30 U	1.0 U	2.2	1.7	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	60 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	60 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	150 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	90 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	300 U	10 U	10 U	50 U	50 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 CP44A 12/20/2000	B-4 CV96H 3/14/2001	B-4 DH51I 6/22/2001	B-4 DQ61G 9/26/2001	B-4 DY69A 12/19/2001	B-4 EE79H 3/20/2002
bis(2-Chloroethoxy) Methane	8270			10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	90 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			3800	3100	3200	2600 J	2700 J	2400 J
4-Chloroaniline	8270			20	90 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	60 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	60 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				540	670	510	450	480	510
Hexachlorocyclopentadiene	8270	4180		20	150 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	150 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	150 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	150 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				30 U	8.8	2.0	6.5	3.2	3.0
3-Nitroaniline	8270			50	180 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		390	430	350	350	330 J	320
2,4-Dinitrophenol	8270	3460		50	300 U	10 U	10 U	25 U	25 U	25 U
4-Nitrophenol	8270			50	150 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Dibenzofuran	8270			10	26 J	23	18	25	20	22
2,6-Dinitrotoluene	8270			10	150 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	150 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			120	150	69	120	88	96
4-Nitroaniline	8270			20	150 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	300 U	10 U	10 U	15 U	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	150 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				120	230	79	130	110	110
Carbazole	8270			10	30 U	24	20	23	22	22
Anthracene	8270	25900			30 U	28	13	22	16	15
Di-n-Butylphthalate	8270	2910		10 (c)	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			30 U	42	9.3	23	14	11
Pyrene	8270	777			30 U	46	9.8	32	14	11
Butylbenzylphthalate	8270	1250		10	30 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	150 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	30 U	1.2	1.0 U	4.0 U	4.0 U	4.0 U
Chrysene	8270				NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 CP44A 12/20/2000	B-4 CV96H 3/14/2001	B-4 DH51I 6/22/2001	B-4 DQ61G 9/26/2001	B-4 DY69A 12/19/2001	B-4 EE79H 3/20/2002
Di-n-Octyl phthalate	8270			10	30 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	8270				NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270				30 U	7.5	1.0 U	3.6	1.0 U	1.0 U
VOLATILES (µg/L)										
Chloromethane	8260	133		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	8260	968		10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl Chloride	8260	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	8260	960		5	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	8260			10	25 U	200	72	400	860	340
Carbon Disulfide	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	8260	5		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	8260			5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	8260	32800		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	8260			5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	8260	470		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	8260	99		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone	8260			50 (c)	25 U	25 U	25 U	25 U	25 U	25 U
1,1,1-Trichloroethane	8260	41700		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Tetrachloride	8260	5		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl Acetate	8260			50	25 U	25 U	25 U	25 U	25 U	25 U
Bromodichloromethane	8260	28		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	8260	23		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	8260	81		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	8260	21		10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	8260	42		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	8260	71	233	5	140	120	130	140	130	150
trans-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloroethylvinylether	8260			10	25 U	25 U	25 U	25 U	25 U	25 U
Bromoform	8260	360		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	25 U	25 U	25 U	25 U	25 U	25 U
2-Hexanone	8260			50	25 U	25 U	25 U	25 U	25 U	25 U
Tetrachloroethene	8260	8.9		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	8260	485		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	8260	5030		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	8260	276		5	220	200	220	230	190	230
Styrene	8260			5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	8260			10 (c)	10 U	10 U	10 U	10 U	10 U	10 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 CP44A 12/20/2000	B-4 CV96H 3/14/2001	B-4 DH51I 6/22/2001	B-4 DQ61G 9/26/2001	B-4 DY69A 12/19/2001	B-4 EE79H 3/20/2002
m,p-Xylene	8260			5 (d)	5.0 U	5.3	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	8260			5 (d)	6.7	6.0	5.4	6.0	5.0 U	5.6
1,2-Dichlorobenzene	8260	4200		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	8260	2600		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	8260	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acrolein	8260	780		500 (c)	250 U	250 U	250 U	250 U	250 U	250 U
Methyl Iodide	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoethane	8260			10 (c)	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	8260	5		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloropropene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromomethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	25 U	25 U	25 U	25 U	25 U	25 U
1,2,3-Trichloropropane	8260			10 (c)	15 U	15 U	15 U	15 U	15 U	15 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	25 U	25 U	25 U	25 U	25 U	25 U
1,3,5-Trimethylbenzene	8260			10 (c)	8.0	7.6	6.0	7.0	5.0	6.9
1,2,4-Trimethylbenzene	8260			10 (c)	12	12	9.6	11	8.0	9.1
Hexachlorobutadiene	8260	50		10	25 U	25 U	25 U	25 U	25 U	25 U
Ethylene Dibromide	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromochloromethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,2-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	8260			10 (c)	8.5	7.9	6.8	8.4	6.0	6.4
n-Propylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
tert-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
sec-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Isopropyltoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
n-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	8260	227		10	25 U	25 U	25 U	25 U	25 U	25 U
Naphthalene	8260	9880		10	5900	5400	5600	5600	6000	6200 J
1,2,3-Trichlorobenzene	8260			10 (c)	25 U	25 U	25 U	25 U	25 U	25 U
VOLATILES-SIM (µg/L)										
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 CP44A 12/20/2000	B-4 CV96H 3/14/2001	B-4 DH51I 6/22/2001	B-4 DQ61G 9/26/2001	B-4 DY69A 12/19/2001	B-4 EE79H 3/20/2002
DISSOLVED METALS (µg/L)										
Antimony	200.8	4300		10	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	200.8	4	35	4	3	2	3	3	3 J	3
Beryllium	200.8	2		2	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	200.8	8		2	1 U	1 U	1 U	1 U	1 U	1 U
Chromium	200.8	50		50	2 U	2 U	2 U	9	2 U	4
Copper	200.8	10		10	2 U	3	3	2 U	2 U	2 U
Lead	200.8	10		10	5 U	5 U	5 U	5 U	5 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	200.8	10		10	6	5	5	6	6	9
Selenium	200.8	71		20	2 U	2 U	2 U	2 U	2 U	2 U
Silver	200.8	2		2	2 U	2 U	2 U	2 U	2 U	2 U
Zinc	200.8	77		20	30	20 U	20 U	20 U	20 U	20 U
Cyanide (µg/L)										
Total Cyanide	335.2	50		50	38	44	44	43	36	46
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	5 U	5 U	6	5 U
CONVENTIONALS										
Total Dissolved Solids (µg/L)	160.1				750000	820000 J	810000 J	780000 J	770000	740000
Total Suspended Solids (µg/L)	160.2				440000	1800000	1000000 J	400000	1400000 J	920000
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	6	NA	NA	NA
pH	Field				6.68	NM	NM	NM	NM	NM
Specific Conductance (µmhos)	Field				1500	NM	NM	NM	NM	NM
Temperature (°C)	Field				14.6	NM	NM	NM	NM	NM

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 CP44A 12/20/2000	B-4 CV96H 3/14/2001	B-4 DH51I 6/22/2001	B-4 DQ61G 9/26/2001	B-4 DY69A 12/19/2001	B-4 EE79H 3/20/2002
MAJOR IONS										
Calcium	6010				NA	NA	111000	NA	NA	NA
Magnesium	6010				NA	NA	50500	NA	NA	NA
Potassium	6010				NA	NA	15000	NA	NA	NA
Sodium	6010				NA	NA	122000	NA	NA	NA
Alkalinity (µg/L CaCO3)	2320				NA	NA	NA	NA	NA	NA
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	NA	NA	NA
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	NA	NA	NA
Bromide (µg/L)	4500Br-B				NA	NA	10000 U	NA	NA	NA
Fluoride (µg/L)	340.2				NA	NA	300	NA	NA	NA
Chloride (µg/L)	325.2				NA	NA	46000	NA	NA	NA
N-Nitrate (µg-N/L)	Calculated				NA	NA	10 U	NA	NA	NA
N-Nitrite (µg-N/L)	354.1				NA	NA	10 U	NA	NA	NA
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	10 U	NA	NA	NA
Sulfate (µg/L)	375.2				NA	NA	4800	NA	NA	NA

TABLE 2-3
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12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 EM41H 6/19/2002	B-4 FP47G/P 06/25/03
TPH (µg/L)						
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	3800	15000
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	620	6800
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	5400	3300
PAH (µg/L)						
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.41	NA (*)
Chrysene	8270-SIM	1.0		1.0	0.36	NA (*)
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.77
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.86
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.12	NA (*)
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.55
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.16
2-Methylnaphthalene	8270-SIM			1.0	NA	NA (*)
Acenaphthene	8270-SIM	225	454	1.0	NA	NA (*)
Acenaphthylene	8270-SIM			1.0	NA	NA (*)
Anthracene	8270-SIM	25900		1.0	NA	NA (*)
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	0.53
Fluoranthene	8270-SIM	27.1		1.0	NA	NA (*)
Fluorene	8270-SIM	2422		1.0	NA	NA (*)
Naphthalene	8270-SIM	9880		1.0	NA	NA (*)
Phenanthrene	8270-SIM			1.0	NA	NA (*)
Pyrene	8270-SIM	777		1.0	NA	NA (*)
SEMIVOLATILES (µg/L)						
Phenol	8270	1100000		10	5.3	4.1
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	17
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U
Benzoic Acid	8270			10	50 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 EM41H 6/19/2002	B-4 FP47G/P 06/25/03
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U
Naphthalene	8270	9880			1200	710 J
4-Chloroaniline	8270			20	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U
2-Methylnaphthalene	8270				260	160
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U
Acenaphthylene	8270				10	1.6
3-Nitroaniline	8270			50	6.0 U	6.0 U
Acenaphthene	8270	225	454		270	120
2,4-Dinitrophenol	8270	3460		50	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U
Dibenzofuran	8270			10	18	10
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.9
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U
Fluorene	8270	2422			78	45
4-Nitroaniline	8270			20	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U
Phenanthrene	8270				69	46
Carbazole	8270			10	11	17
Anthracene	8270	25900			10	9.1
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U
Fluoranthene	8270	27.1			9.1	8.3
Pyrene	8270	777			9.1	12
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	2.1
bis(2-Ethylhexyl)phthalate	8270	10		10	4.0 U	1.0 U
Chrysene	8270				NA	2.0

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 EM41H 6/19/2002	B-4 FP47G/P 06/25/03
Di-n-Octyl phthalate	8270			10	2.0 U	1.0 U
Benzo(a)pyrene	8270				NA	1.1
Benzo(g,h,i)perylene	8270				1.0 U	NA
VOLATILES (µg/L)						
Chloromethane	8260	133		10	5.0 U	5.0 U
Bromomethane	8260	968		10 (c)	5.0 U	5.0 U
Vinyl Chloride	8260	10		10	5.0 U	5.0 U
Chloroethane	8260			10	5.0 U	5.0 U
Methylene Chloride	8260	960		5	10 U	10 U
Acetone	8260			10	25 U	25 U
Carbon Disulfide	8260			10	5.0 U	5.0 U
1,1-Dichloroethene	8260	5		5	5.0 U	5.0 U
1,1-Dichloroethane	8260			5	5.0 U	5.0 U
trans-1,2-Dichloroethene	8260	32800		5	5.0 U	5.0 U
cis-1,2-Dichloroethene	8260			5	5.0 U	5.0 U
Chloroform	8260	470		5	5.0 U	5.0 U
1,2-Dichloroethane	8260	99		5	5.0 U	5.0 U
2-Butanone	8260			50 (c)	25 U	25 U
1,1,1-Trichloroethane	8260	41700		5	5.0 U	5.0 U
Carbon Tetrachloride	8260	5		5	5.0 U	5.0 U
Vinyl Acetate	8260			50	25 U	25 U
Bromodichloromethane	8260	28		5	5.0 U	5.0 U
1,2-Dichloropropane	8260	23		5	5.0 U	5.0 U
cis-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U
Trichloroethene	8260	81		5	5.0 U	5.0 U
Dibromochloromethane	8260	21		10 (c)	5.0 U	5.0 U
1,1,2-Trichloroethane	8260	42		5	5.0 U	5.0 U
Benzene	8260	71	233	5	130	130
trans-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U
2-Chloroethylvinylether	8260			10	25 U	25 U
Bromoform	8260	360		5	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	25 U	25 U
2-Hexanone	8260			50	25 U	25 U
Tetrachloroethene	8260	8.9		5	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	5.0 U	5.0 U
Toluene	8260	485		5	5.0 U	5.0 U
Chlorobenzene	8260	5030		5	5.0 U	5.0 U
Ethylbenzene	8260	276		5	190	160
Styrene	8260			5	5.0 U	5.0 U
Trichlorofluoromethane	8260			10 (c)	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	8260			10 (c)	10 U	10 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 EM41H 6/19/2002	B-4 FP47G/P 06/25/03
m,p-Xylene	8260			5 (d)	5.0 U	5.0 U
o-Xylene	8260			5 (d)	5.0 U	5.0 U
1,2-Dichlorobenzene	8260	4200		10	5.0 U	5.0 U
1,3-Dichlorobenzene	8260	2600		10	5.0 U	5.0 U
1,4-Dichlorobenzene	8260	10		10	5.0 U	5.0 U
Acrolein	8260	780		500 (c)	250 U	250 U
Methyl Iodide	8260			10 (c)	5.0 U	5.0 U
Bromoethane	8260			10 (c)	10 U	10 U
Acrylonitrile	8260	5		5	5.0 U	5.0 U
1,1-Dichloropropene	8260			10 (c)	5.0 U	5.0 U
Dibromomethane	8260			10 (c)	5.0 U	5.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	25 U	25 U
1,2,3-Trichloropropane	8260			10 (c)	15 U	15 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	25 U	25 U
1,3,5-Trimethylbenzene	8260			10 (c)	5.0 U	5.0 U
1,2,4-Trimethylbenzene	8260			10 (c)	6.6	5.0 U
Hexachlorobutadiene	8260	50		10	25 U	25 U
Ethylene Dibromide	8260			10 (c)	5.0 U	5.0 U
Bromochloromethane	8260			10 (c)	5.0 U	5.0 U
2,2-Dichloropropane	8260			10 (c)	5.0 U	5.0 U
1,3-Dichloropropane	8260			10 (c)	5.0 U	5.0 U
Isopropylbenzene	8260			10 (c)	5.0 U	5.0 U
n-Propylbenzene	8260			10 (c)	5.0 U	5.0 U
Bromobenzene	8260			10 (c)	5.0 U	5.0 U
2-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U
4-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U
tert-Butylbenzene	8260			10 (c)	5.0 U	5.0 U
sec-Butylbenzene	8260			10 (c)	5.0 U	5.0 U
4-Isopropyltoluene	8260			10 (c)	5.0 U	5.0 U
n-Butylbenzene	8260			10 (c)	5.0 U	5.0 U
1,2,4-Trichlorobenzene	8260	227		10	25 U	25 U
Naphthalene	8260	9880		10	3100	2400
1,2,3-Trichlorobenzene	8260			10 (c)	25 U	25 U
VOLATILES-SIM (µg/L)						
Vinyl Chloride	SW8260-SIM	10		10	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 EM41H 6/19/2002	B-4 FP47G/P 06/25/03
DISSOLVED METALS (µg/L)						
Antimony	200.8	4300		10	0.2 U	1 U
Arsenic	200.8	4	35	4	3.2	7
Beryllium	200.8	2		2	0.5 U	1 U
Cadmium	200.8	8		2	0.2 U	1 U
Chromium	200.8	50		50	1 U	2 U
Copper	200.8	10		10	1 U	2 U
Lead	200.8	10		10	2 U	5 U
Mercury	7470	1		1	0.1 U	0.10 U
Nickel	200.8	10		10	7.5	7
Selenium	200.8	71		20	1	2 U
Silver	200.8	2		2	0.5 U	2 U
Zinc	200.8	77		20	4 U	20 U
Cyanide (µg/L)						
Total Cyanide	335.2	50		50	74	62
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5	6
CONVENTIONALS						
Total Dissolved Solids (µg/L)	160.1				790000	790000
Total Suspended Solids (µg/L)	160.2				680000	270000
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA
pH	Field				NM	NM
Specific Conductance (µmhos)	Field				NM	NM
Temperature (°C)	Field				NM	NM

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-4 EM41H 6/19/2002	B-4 FP47G/P 06/25/03	
MAJOR IONS							
Calcium	6010				NA	105000	
Magnesium	6010				NA	47500	
Potassium	6010				NA	15100	
Sodium	6010				NA	115000	
Alkalinity (µg/L CaCO3)	2320				NA	600000	
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	1000	U
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	600000	
Bromide (µg/L)	4500Br-B				NA	1600	
Fluoride (µg/L)	340.2				NA	300	
Chloride (µg/L)	325.2				NA	56000	
N-Nitrate (µg-N/L)	Calculated				NA	10	U
N-Nitrite (µg-N/L)	354.1				NA	10	U
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	10	U
Sulfate (µg/L)	375.2				NA	7100	J

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-6R CP44H 12/20/2000	B-6R CV96I 3/14/2001	B-6R DH51D 6/22/2001	B-6R DQ61H 9/26/2001	B-6R DY69B 12/19/2001	B-6R EE79I 3/20/2002
TPH (µg/L)										
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	250 U	250 UJ	250 U	250 U	250 U	250 U
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 UJ	500 U	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	250 U	250 U	250 U	250 U	250 UJ	250 U
PAH (µg/L)										
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.03 MJ	0.13 MJ	0.10 U	0.26	0.10 U	0.10 U
Chrysene	8270-SIM	1.0		1.0	0.10 U	0.13 J	0.10 U	0.23	0.10 U	0.10 U
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.05 J	0.10 U	0.15	0.10 U	0.10 U
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.08 J	0.10 U	0.16	0.10 U	0.10 U
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.09 J	0.10 U	0.21	0.10 U	0.10 U
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.04 J	0.10 U	0.11	0.10 U	0.10 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA	NA	NA	NA
Acenaphthylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Anthracene	8270-SIM	25900		1.0	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	NA	NA	NA	NA
Fluorene	8270-SIM	2422		1.0	NA	NA	NA	NA	NA	NA
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA	NA	NA	NA
Phenanthrene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Pyrene	8270-SIM	777		1.0	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (µg/L)										
Phenol	8270	1100000		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	10 U	10 U	10 U	50 U	50 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-6R CP44H 12/20/2000	B-6R CV96I 3/14/2001	B-6R DH51D 6/22/2001	B-6R DQ61H 9/26/2001	B-6R DY69B 12/19/2001	B-6R EE79I 3/20/2002
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			1.0 U	3.6	1.0 U	7.1 J	4.9 J	4.0 J
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				1.0 U	1.0 U	1.0 U	1.4	1.0 U	1.0 U
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		1.0 U	1.0 U	1.0 UJ	1.1	1.0 U	1.0 U
2,4-Dinitrophenol	8270	3460		50	10 U	10 U	10 U	25 U	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Dibenzofuran	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	10 U	10 U	10 U	15 U	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				1.0 U	1.8	1.0 U	1.3	1.0 U	1.0 U
Carbazole	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Anthracene	8270	25900			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	8270	777		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	4.0 U
Chrysene	8270				NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-6R CP44H 12/20/2000	B-6R CV96I 3/14/2001	B-6R DH51D 6/22/2001	B-6R DQ61H 9/26/2001	B-6R DY69B 12/19/2001	B-6R EE79I 3/20/2002
Di-n-Octyl phthalate	8270			10	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	8270				NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VOLATILES (µg/L)										
Chloromethane	8260	133		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	8260	968		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	8260			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	8260	960		5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	8260			10	6.9	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	8260			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	8260	32800		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	8260	470		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	8260	99		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	8260	41700		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Acetate	8260			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	8260	28		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	8260	23		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	8260	81		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	8260	21		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	8260	42		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	8260	71	233	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	8260	360		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	8260			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	8260	8.9		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	8260	485		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	8260	5030		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	8260	276		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-6R CP44H 12/20/2000	B-6R CV96I 3/14/2001	B-6R DH51D 6/22/2001	B-6R DQ61H 9/26/2001	B-6R DY69B 12/19/2001	B-6R EE79I 3/20/2002
m,p-Xylene	8260			5 (d)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	8260			5 (d)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	8260	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8260	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acrolein	8260	780		500 (c)	50 U	50 U	50 U	50 U	50 U	50 U
Methyl Iodide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acrylonitrile	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromomethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	8260			10 (c)	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene	8260	50		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
n-Propylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromobenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
tert-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
sec-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Isopropyltoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
n-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	8260	227		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	8260	9880		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
VOLATILES-SIM (µg/L)										
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-6R CP44H 12/20/2000	B-6R CV96I 3/14/2001	B-6R DH51D 6/22/2001	B-6R DQ61H 9/26/2001	B-6R DY69B 12/19/2001	B-6R EE79I 3/20/2002
DISSOLVED METALS (µg/L)										
Antimony	200.8	4300		10	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	200.8	4	35	4	21	27	33	31	22 J	27 J
Beryllium	200.8	2		2	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	200.8	8		2	1 U	1 U	1 U	1 U	1 U	1 U
Chromium	200.8	50		50	2 U	2 U	4	7	2 U	4 J
Copper	200.8	10		10	2 U	2 U	3	2 U	2 U	3
Lead	200.8	10		10	5 U	5 U	5 U	5 U	5 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	200.8	10		10	3	3	2	3	3	3
Selenium	200.8	71		20	2 U	2 U	2 U	2 U	2 U	2 U
Silver	200.8	2		2	2 U	2 U	2 U	2 U	2 U	2 U
Zinc	200.8	77		20	20 U	20 U	20 U	20 U	20 U	20 U
Cyanide (µg/L)										
Total Cyanide	335.2	50		50	5 U	5 U	5 U	5 U	5 U	5 U
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	5 U	5 U	10	5 U
CONVENTIONALS										
Total Dissolved Solids (µg/L)	160.1				800000	1100000 J	1200000 J	1100000 J	780000	780000 J
Total Suspended Solids (µg/L)	160.2				1500000	2400000	370000 J	500000	1400000 J	360000 J
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	16	NA	NA	NA
pH	Field				6.19	7.90	6.66	6.75	NM	6.65
Specific Conductance (µmhos)	Field				2693	2720	1698	2370	NM	1340
Temperature (°C)	Field				14.5	15.1	16.8	16.1	NM	15.0

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	B-6R CP44H 12/20/2000	B-6R CV96I 3/14/2001	B-6R DH51D 6/22/2001	B-6R DQ61H 9/26/2001	B-6R DY69B 12/19/2001	B-6R EE79I 3/20/2002
MAJOR IONS										
Calcium	6010				NA	NA	57100	NA	NA	NA
Magnesium	6010				NA	NA	43700	NA	NA	NA
Potassium	6010				NA	NA	14600	NA	NA	NA
Sodium	6010				NA	NA	338000	NA	NA	NA
Alkalinity (µg/L CaCO3)	2320				NA	NA	1000000	NA	NA	NA
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	1000 U	NA	NA	NA
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	1000000	NA	NA	NA
Bromide (µg/L)	4500Br-B				NA	NA	500 U	NA	NA	NA
Fluoride (µg/L)	340.2				NA	NA	100	NA	NA	NA
Chloride (µg/L)	325.2				NA	NA	46000	NA	NA	NA
N-Nitrate (µg-N/L)	Calculated				NA	NA	10 U	NA	NA	NA
N-Nitrite (µg-N/L)	354.1				NA	NA	10 U	NA	NA	NA
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	10 U	NA	NA	NA
Sulfate (µg/L)	375.2				NA	NA	9000	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-109R Dup of B-6R EE79G 3/20/2002	B-6R EM41I 6/19/2002	B-6R FP47H/Q 06/25/03
TPH (µg/L)							
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	250 U	250	250 U
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	250 U	250 U	250 U
PAH (µg/L)							
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.020
Chrysene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.020
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	0.090
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	0.050
Acenaphthylene	8270-SIM			1.0	NA	NA	0.010 U
Anthracene	8270-SIM	25900		1.0	NA	NA	0.040
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	0.010 U
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	0.060
Fluorene	8270-SIM	2422		1.0	NA	NA	0.020
Naphthalene	8270-SIM	9880		1.0	NA	NA	0.14
Phenanthrene	8270-SIM			1.0	NA	NA	0.080
Pyrene	8270-SIM	777		1.0	NA	NA	0.080
SEMIVOLATILES (µg/L)							
Phenol	8270	1100000		10	2.0 U	2.0 U	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	50 U	50 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-109R Dup of B-6R EE79G 3/20/2002	B-6R EM41I 6/19/2002	B-6R FP47H/Q 06/25/03
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			2.9 J	1.0 U	NA
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				1.0 U	1.0 U	NA
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				1.0 U	1.0 U	NA
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		1.0 U	1.0 U	NA
2,4-Dinitrophenol	8270	3460		50	25 U	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 U
Dibenzofuran	8270			10	1.0 U	1.0 U	1.0 U
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.3
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			1.0 U	1.0 U	NA
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	15 U	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				1.0 U	1.0 U	NA
Carbazole	8270			10	1.0 U	1.0 U	1.0 U
Anthracene	8270	25900			1.0 U	1.0 U	NA
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			1.0 U	1.0 U	NA
Pyrene	8270	777		10	1.0 U	1.0 U	NA
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	4.0 U	4.0 U	1.0 U
Chrysene	8270				NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-109R Dup of B-6R EE79G 3/20/2002	B-6R EM41I 6/19/2002	B-6R FP47H/Q 06/25/03
Di-n-Octyl phthalate	8270			10	2.0 U	2.0 U	1.0 U
Benzo(a)pyrene	8270				NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	NA
VOLATILES (µg/L)							
Chloromethane	8260	133		10	1.0 U	1.0 U	1.0 U
Bromomethane	8260	968		10 (c)	1.0 U	1.0 U	1.0 U
Vinyl Chloride	8260	10		10	1.0 U	1.0 U	1.0 U
Chloroethane	8260			10	1.0 U	1.0 U	1.0 U
Methylene Chloride	8260	960		5	2.0 U	2.0 U	2.0 U
Acetone	8260			10	5.0 U	5.7	5.0 U
Carbon Disulfide	8260			10	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	8260	5		5	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	8260			5	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	8260	32800		5	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	8260			5	1.0 U	1.0 U	1.0 U
Chloroform	8260	470		5	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	8260	99		5	1.0 U	1.0 U	1.0 U
2-Butanone	8260			50 (c)	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	8260	41700		5	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	8260	5		5	1.0 U	1.0 U	1.0 U
Vinyl Acetate	8260			50	5.0 U	5.0 U	5.0 U
Bromodichloromethane	8260	28		5	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	8260	23		5	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U
Trichloroethene	8260	81		5	1.0 U	1.0 U	1.0 U
Dibromochloromethane	8260	21		10 (c)	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	8260	42		5	1.0 U	1.0 U	1.0 U
Benzene	8260	71	233	5	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	8260			10	5.0 U	5.0 U	5.0 U
Bromoform	8260	360		5	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	5.0 U	5.0 U	5.0 U
2-Hexanone	8260			50	5.0 U	5.0 U	5.0 U
Tetrachloroethene	8260	8.9		5	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	1.0 U	1.0 U	1.0 U
Toluene	8260	485		5	1.0 U	1.0 U	1.0 U
Chlorobenzene	8260	5030		5	1.0 U	1.0 U	1.0 U
Ethylbenzene	8260	276		5	1.0 U	1.0 U	1.0 U
Styrene	8260			5	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	2.0 U	2.0 U	2.0 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-109R Dup of B-6R EE79G 3/20/2002	B-6R EM41I 6/19/2002	B-6R FP47H/Q 06/25/03
m,p-Xylene	8260			5 (d)	1.0 U	1.0 U	1.0 U
o-Xylene	8260			5 (d)	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	8260	4200		10	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8260	2600		10	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8260	10		10	1.0 U	1.0 U	1.0 U
Acrolein	8260	780		500 (c)	50 U	50 U	50 U
Methyl Iodide	8260			10 (c)	1.0 U	1.0 U	1.0 U
Bromoethane	8260			10 (c)	2.0 U	2.0 U	2.0 U
Acrylonitrile	8260	5		5	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	8260			10 (c)	1.0 U	1.0 U	1.0 U
Dibromomethane	8260			10 (c)	1.0 U	1.0 U	1.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	8260			10 (c)	3.0 U	3.0 U	3.0 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene	8260	50		10	5.0 U	5.0 U	5.0 U
Ethylene Dibromide	8260			10 (c)	1.0 U	1.0 U	1.0 U
Bromochloromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U
2,2-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U
1,3-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U
Isopropylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U
n-Propylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U
Bromobenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U
tert-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U
sec-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U
4-Isopropyltoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U
n-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	8260	227		10	5.0 U	5.0 U	5.0 U
Naphthalene	8260	9880		10	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U
VOLATILES-SIM (µg/L)							
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-109R Dup of B-6R EE79G 3/20/2002	B-6R EM41I 6/19/2002	B-6R FP47H/Q 06/25/03
DISSOLVED METALS (µg/L)							
Antimony	200.8	4300		10	1 U	0.2 U	1 U
Arsenic	200.8	4	35	4	38 J	25	24
Beryllium	200.8	2		2	1 U	0.2 U	1 U
Cadmium	200.8	8		2	1 U	0.2 U	1 U
Chromium	200.8	50		50	5 J	2 U	2 U
Copper	200.8	10		10	2 U	1.1	5
Lead	200.8	10		10	5 U	1 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.10 U
Nickel	200.8	10		10	4	3.9	5
Selenium	200.8	71		20	2 U	1.0	2 U
Silver	200.8	2		2	2 U	0.5 U	2 U
Zinc	200.8	77		20	20 U	6	20 U
Cyanide (µg/L)							
Total Cyanide	335.2	50		50	5 U	5 U	5 U
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	5 U
CONVENTIONALS							
Total Dissolved Solids (µg/L)	160.1				1100000 J	890000	790000
Total Suspended Solids (µg/L)	160.2				790000 J	1100000	430000
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	NA
pH	Field				6.90	6.95	7.06
Specific Conductance (µmhos)	Field				1733	1348	1708
Temperature (°C)	Field				14.1	16.1	16.8

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-109R Dup of B-6R EE79G 3/20/2002	B-6R EM41I 6/19/2002	B-6R FP47H/Q 06/25/03	
MAJOR IONS								
Calcium	6010				NA	NA	48500	
Magnesium	6010				NA	NA	40600	
Potassium	6010				NA	NA	14400	
Sodium	6010				NA	NA	217000	
Alkalinity (µg/L CaCO3)	2320				NA	NA	710000	
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	1000	U
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	710000	
Bromide (µg/L)	4500Br-B				NA	NA	560	
Fluoride (µg/L)	340.2				NA	NA	160	
Chloride (µg/L)	325.2				NA	NA	27000	
N-Nitrate (µg-N/L)	Calculated				NA	NA	10	U
N-Nitrite (µg-N/L)	354.1				NA	NA	10	U
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	10	U
Sulfate (µg/L)	375.2				NA	NA	6100	J

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R CP44B 12/20/2000	MW-101R CV96A 3/14/2001	MW-101R DH51F 6/22/2001	MW-109 Dup of MW-101R DH51E 6/22/2001	MW-101R DQ61A 9/26/2001	MW-101R DY69C 12/19/2001
TPH (µg/L)										
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	3100	3500	2900	2900	3400	2400
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U	500 U	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	6700	6000	6100	7400	5300	6300 J
PAH (µg/L)										
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.27	0.49	0.27	0.29	0.37	0.16
Chrysene	8270-SIM	1.0		1.0	0.20 M	0.44	0.18	0.20	0.27	0.15
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.03 MJ	0.20	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.04 MJ	0.24	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.03 MJ	0.30	0.10 U	0.10 U	0.10 U	0.10 U
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.14	0.10 U	0.10 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA	NA	NA	NA
Acenaphthylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Anthracene	8270-SIM	25900		1.0	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	NA	NA	NA	NA
Fluorene	8270-SIM	2422		1.0	NA	NA	NA	NA	NA	NA
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA	NA	NA	NA
Phenanthrene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Pyrene	8270-SIM	777		1.0	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (µg/L)										
Phenol	8270	1100000		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	10 U	10 U	10 U	10 U	50 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R CP44B 12/20/2000	MW-101R CV96A 3/14/2001	MW-101R DH51F 6/22/2001	MW-109 Dup of MW-101R DH51E 6/22/2001	MW-101R DQ61A 9/26/2001	MW-101R DY69C 12/19/2001
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			2400	3900	3100	3200	4900 J	2000 J
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				460	590	600	570	700	350
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				1.8	1.4	1.5	1.3	2.4	1.0 J
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		330	330	330 J	330 J	350	240 J
2,4-Dinitrophenol	8270	3460		50	10 U	10 U	10 U	10 U	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Dibenzofuran	8270			10	23	17	19	18	20	19
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			95	58	78	64	70	72
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	10 U	10 U	10 U	10 U	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				65	59	74	63	73	97
Carbazole	8270			10	26	19	18	18	25	20
Anthracene	8270	25900			6.4	5.7	7.1	6.8	6.0	6.9
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			5.3	5.1	6.1	5.8	5.4	5.4
Pyrene	8270	777		10	5.4	4.8	6.0	5.5	5.2	5.1
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	1.0 U	2.3	1.0 U	1.0 U	4.0 U	4.0 U
Chrysene	8270				NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R CP44B 12/20/2000	MW-101R CV96A 3/14/2001	MW-101R DH51F 6/22/2001	MW-109 Dup of MW-101R DH51E 6/22/2001	MW-101R DQ61A 9/26/2001	MW-101R DY69C 12/19/2001
Di-n-Octyl phthalate	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Benzo(a)pyrene	8270				NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VOLATILES (µg/L)										
Chloromethane	8260	133		10	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Bromomethane	8260	968		10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Vinyl Chloride	8260	10		10	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Chloroethane	8260			10	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Methylene Chloride	8260	960		5	10 U	10 U	10 U	2.0 U	10 U	10 UJ
Acetone	8260			10	25 U	25 U	25 U	5.0 U	25 U	25 UJ
Carbon Disulfide	8260			10	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,1-Dichloroethene	8260	5		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,1-Dichloroethane	8260			5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
trans-1,2-Dichloroethene	8260	32800		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
cis-1,2-Dichloroethene	8260			5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Chloroform	8260	470		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,2-Dichloroethane	8260	99		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
2-Butanone	8260			50 (c)	25 U	25 U	25 U	5.0 U	25 U	25 UJ
1,1,1-Trichloroethane	8260	41700		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Carbon Tetrachloride	8260	5		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Vinyl Acetate	8260			50	25 U	25 U	25 U	5.0 U	25 U	25 UJ
Bromodichloromethane	8260	28		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,2-Dichloropropane	8260	23		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
cis-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Trichloroethene	8260	81		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Dibromochloromethane	8260	21		10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,1,2-Trichloroethane	8260	42		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Benzene	8260	71	233	5	64	82	72	64	54	48 J
trans-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
2-Chloroethylvinylether	8260			10	25 U	25 U	25 U	5.0 U	25 U	25 UJ
Bromoform	8260	360		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	25 U	25 U	25 U	5.0 U	25 U	25 UJ
2-Hexanone	8260			50	25 U	25 U	25 U	5.0 U	25 U	25 UJ
Tetrachloroethene	8260	8.9		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,1,2,2-Tetrachloroethane	8260	6.5		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Toluene	8260	485		5	18	11	14	18	8.4	5.0 UJ
Chlorobenzene	8260	5030		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Ethylbenzene	8260	276		5	200	250	250 J	130 J	170	130 J
Styrene	8260			5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Trichlorofluoromethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	10 U	10 U	10 U	2.0 U	10 U	10 UJ

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R CP44B 12/20/2000	MW-101R CV96A 3/14/2001	MW-101R DH51F 6/22/2001	MW-109 Dup of MW-101R DH51E 6/22/2001	MW-101R DQ61A 9/26/2001	MW-101R DY69C 12/19/2001
m,p-Xylene	8260			5 (d)	90	64	83 J	110 J	60	46 J
o-Xylene	8260			5 (d)	42	36	39 J	52 J	27	18 J
1,2-Dichlorobenzene	8260	4200		10	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,3-Dichlorobenzene	8260	2600		10	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,4-Dichlorobenzene	8260	10		10	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Acrolein	8260	780		500 (c)	250 U	250 U	250 U	50 U	250 U	250 UJ
Methyl Iodide	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Bromoethane	8260			10 (c)	10 U	10 U	10 U	2.0 U	10 U	10 UJ
Acrylonitrile	8260	5		5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,1-Dichloropropene	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Dibromomethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,1,1,2-Tetrachloroethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,2-Dibromo-3-chloropropane	8260			50 (c)	25 U	25 U	25 U	5.0 U	25 U	25 UJ
1,2,3-Trichloropropane	8260			10 (c)	15 U	15 U	15 U	3.0 U	15 U	15 UJ
trans-1,4-Dichloro-2-butene	8260			50 (c)	25 U	25 U	25 U	5.0 U	25 U	25 UJ
1,3,5-Trimethylbenzene	8260			10 (c)	19	20	19	23	14	11 J
1,2,4-Trimethylbenzene	8260			10 (c)	40	39	37 J	47 J	30	25 J
Hexachlorobutadiene	8260	50		10	25 U	25 U	25 U	5.0 U	25 U	25 UJ
Ethylene Dibromide	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Bromochloromethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
2,2-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,3-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
Isopropylbenzene	8260			10 (c)	10	11	9.3	9.8	8.6	7.9 J
n-Propylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.4	5.0 U	5.0 UJ
Bromobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
2-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
4-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
tert-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
sec-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
4-Isopropyltoluene	8260			10 (c)	5.0 U	5.0	5.0 U	4.8	5.0 U	5.0 UJ
n-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 UJ
1,2,4-Trichlorobenzene	8260	227		10	25 U	25 U	25 U	5.0 U	25 U	25 UJ
Naphthalene	8260	9880		10	5700	6400	7800	7000 J	3700	5200
1,2,3-Trichlorobenzene	8260			10 (c)	25 U	25 U	25 U	5.0 U	25 U	25 UJ
VOLATILES-SIM (µg/L)										
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R CP44B 12/20/2000	MW-101R CV96A 3/14/2001	MW-101R DH51F 6/22/2001	MW-109 Dup of MW-101R DH51E 6/22/2001	MW-101R DQ61A 9/26/2001	MW-101R DY69C 12/19/2001
DISSOLVED METALS (µg/L)										
Antimony	200.8	4300		10	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	200.8	4	35	4	13	12	12	12	14	10 J
Beryllium	200.8	2		2	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	200.8	8		2	1 U	1 U	1 U	1 U	1 U	1 U
Chromium	200.8	50		50	2 U	4	5	4	7	2 U
Copper	200.8	10		10	3	2 U	2 U	2 U	2 U	3
Lead	200.8	10		10	5 U	5 U	5 U	5 U	5 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	200.8	10		10	2 U	2 U	2 U	2 U	2 U	2 U
Selenium	200.8	71		20	2 U	2 U	3	2 U	2 U	3 J
Silver	200.8	2		2	2 U	2 U	2 U	2 U	2 U	2 U
Zinc	200.8	77		20	20 U	20 U	20 U	20 U	20 U	20 U
Cyanide (µg/L)										
Total Cyanide	335.2	50		50	16	18	17	19	18	15
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5	5 U	5 U	5 U	5 U	6
CONVENTIONALS										
Total Dissolved Solids (µg/L)	160.1				1100000	1000000 J	1000000 J	1100000 J	1000000 J	1100000
Total Suspended Solids (µg/L)	160.2				74000	76000	76000 J	98000 J	79000	65000 J
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	11 J	21 J	NA	NA
pH	Field				6.49	7.46	6.83	6.81	7.25	NM
Specific Conductance (µmhos)	Field				2580	1918	2535	2908	2310	NM
Temperature (°C)	Field				13.9	12.8	14.8	14.9	16.4	NM

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R CP44B 12/20/2000	MW-101R CV96A 3/14/2001	MW-101R DH51F 6/22/2001	MW-109 Dup of MW-101R DH51E 6/22/2001	MW-101R DQ61A 9/26/2001	MW-101R DY69C 12/19/2001
MAJOR IONS										
Calcium	6010				NA	NA	62900	60900	NA	NA
Magnesium	6010				NA	NA	54200	52900	NA	NA
Potassium	6010				NA	NA	15900	15900	NA	NA
Sodium	6010				NA	NA	294000	294000	NA	NA
Alkalinity (µg/L CaCO3)	2320				NA	NA	760000	780000	NA	NA
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	1000 U	1000 U	NA	NA
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	760000	780000	NA	NA
Bromide (µg/L)	4500Br-B				NA	NA	10000 U	10000 U	NA	NA
Fluoride (µg/L)	340.2				NA	NA	500	500	NA	NA
Chloride (µg/L)	325.2				NA	NA	150000	130000	NA	NA
N-Nitrate (µg-N/L)	Calculated				NA	NA	13	10 U	NA	NA
N-Nitrite (µg-N/L)	354.1				NA	NA	10 U	10 U	NA	NA
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	13	10 U	NA	NA
Sulfate (µg/L)	375.2				NA	NA	10000	9100	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R EE79A 3/20/2002	MW-101R EM41A 6/19/2002	MW-109 Dup of MW-101R EM41B 6/19/2002	MW-101R FP47A/J 06/25/03	MW-109 Dup of MW-101R FP47F/O 06/25/03
TPH (µg/L)									
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	3300	4200	3800	3800	3900
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	6300	5400	5400	4800	4800
PAH (µg/L)									
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.25	0.17	0.17	0.20	0.20
Chrysene	8270-SIM	1.0		1.0	0.14 J	0.14	0.13	0.15	0.13
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.030	0.020
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.030	0.040
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.040	0.040
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.010 U	0.010 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.010 U	0.010 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA	NA	NA (*)
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA	NA	NA (*)
Acenaphthylene	8270-SIM			1.0	NA	NA	NA	0.58 J	0.53 J
Anthracene	8270-SIM	25900		1.0	NA	NA	NA	NA	NA (*)
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	NA	0.010 U	0.010 U
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	NA	NA	NA (*)
Fluorene	8270-SIM	2422		1.0	NA	NA	NA	NA	NA (*)
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA	NA	NA (*)
Phenanthrene	8270-SIM			1.0	NA	NA	NA	NA	NA (*)
Pyrene	8270-SIM	777		1.0	NA	NA	NA	NA	NA (*)
SEMIVOLATILES (µg/L)									
Phenol	8270	1100000		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	50 U	50 U	50 U	50 U	50 U

TABLE 2-3
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12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R EE79A 3/20/2002	MW-101R EM41A 6/19/2002	MW-109 Dup of MW-101R EM41B 6/19/2002	MW-101R FP47A/J 06/25/03	MW-109 Dup of MW-101R FP47F/O 06/25/03
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			3400 J	3200	3400	2900 J	2000 J
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				570	530	530	490 J	600 J
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				1.5	2.4	2.1	NA	NA
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		330	310	310	260	280
2,4-Dinitrophenol	8270	3460		50	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenzofuran	8270			10	21	30	23	25	26
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			75	83	88	79	90
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	15 U	15 U	15 U	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				77	92	99	63	68
Carbazole	8270			10	20	20	18	24	25
Anthracene	8270	25900			7.4	6.5	6.4	7.2	8.2
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			4.7	5.4	5.2	5.4	5.3
Pyrene	8270	777		10	4.2	5.0	5.2	6.1	6.1
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	4.0 U	4.0 U	4.0 U	1.0 U	1.0 U
Chrysene	8270				NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R EE79A 3/20/2002	MW-101R EM41A 6/19/2002	MW-109 Dup of MW-101R EM41B 6/19/2002	MW-101R FP47A/J 06/25/03	MW-109 Dup of MW-101R FP47F/O 06/25/03
Di-n-Octyl phthalate	8270			10	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U
Benzo(a)pyrene	8270				NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	1.0 U	NA	NA
VOLATILES (µg/L)									
Chloromethane	8260	133		10	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Bromomethane	8260	968		10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Vinyl Chloride	8260	10		10	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Chloroethane	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Methylene Chloride	8260	960		5	10 U	10 U	10 U	10 U	2.0 U
Acetone	8260			10	25 U	25 U	25 U	25 U	5.0 U
Carbon Disulfide	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,1-Dichloroethene	8260	5		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,1-Dichloroethane	8260			5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
trans-1,2-Dichloroethene	8260	32800		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
cis-1,2-Dichloroethene	8260			5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Chloroform	8260	470		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,2-Dichloroethane	8260	99		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
2-Butanone	8260			50 (c)	25 U	25 U	25 U	25 U	5.0 U
1,1,1-Trichloroethane	8260	41700		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Carbon Tetrachloride	8260	5		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Vinyl Acetate	8260			50	25 U	25 U	25 U	25 U	5.0 U
Bromodichloromethane	8260	28		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,2-Dichloropropane	8260	23		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
cis-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Trichloroethene	8260	81		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Dibromochloromethane	8260	21		10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,1,2-Trichloroethane	8260	42		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Benzene	8260	71	233	5	78	70	69	89	96
trans-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
2-Chloroethylvinylether	8260			10	25 U	25 U	25 U	25 U	5.0 U
Bromoform	8260	360		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	25 U	25 U	25 U	25 U	5.0 U
2-Hexanone	8260			50	25 U	25 U	25 U	25 U	5.0 U
Tetrachloroethene	8260	8.9		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Toluene	8260	485		5	7.6	5.7	5.5	5.0 U	4.1
Chlorobenzene	8260	5030		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Ethylbenzene	8260	276		5	260	250	240	300	260
Styrene	8260			5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Trichlorofluoromethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	10 U	10 U	10 U	10 U	2.0 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R EE79A 3/20/2002	MW-101R EM41A 6/19/2002	MW-109 Dup of MW-101R EM41B 6/19/2002	MW-101R FP47A/J 06/25/03	MW-109 Dup of MW-101R FP47F/O 06/25/03
m,p-Xylene	8260			5 (d)	92	46	43	45	48
o-Xylene	8260			5 (d)	37	23	22	17	19
1,2-Dichlorobenzene	8260	4200		10	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,3-Dichlorobenzene	8260	2600		10	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,4-Dichlorobenzene	8260	10		10	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Acrolein	8260	780		500 (c)	250 U	250 U	250 U	250 U	50 U
Methyl Iodide	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Bromoethane	8260			10 (c)	10 U	10 U	10 U	10 U	2.0 U
Acrylonitrile	8260	5		5	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,1-Dichloropropene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Dibromomethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	25 U	25 U	25 U	25 U	5.0 U
1,2,3-Trichloropropane	8260			10 (c)	15 U	15 U	15 U	15 U	3.0 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	25 U	25 U	25 U	25 U	5.0 U
1,3,5-Trimethylbenzene	8260			10 (c)	22	28 J	17 J	16	18
1,2,4-Trimethylbenzene	8260			10 (c)	40	29	28	30 J	38 J
Hexachlorobutadiene	8260	50		10	25 U	25 U	25 U	25 U	5.0 U
Ethylene Dibromide	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Bromochloromethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
2,2-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,3-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
Isopropylbenzene	8260			10 (c)	11	7.3	7.0	9.0 J	12 J
n-Propylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.9
Bromobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
2-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
4-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
tert-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
sec-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
4-Isopropyltoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.3 J	7.1 J
n-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U
1,2,4-Trichlorobenzene	8260	227		10	25 U	25 U	25 U	25 U	5.0 U
Naphthalene	8260	9880		10	6600 J	5600	5400	7000	6700
1,2,3-Trichlorobenzene	8260			10 (c)	25 U	25 U	25 U	25 U	5.0 U
VOLATILES-SIM (µg/L)									
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R EE79A 3/20/2002	MW-101R EM41A 6/19/2002	MW-109 Dup of MW-101R EM41B 6/19/2002	MW-101R FP47A/J 06/25/03	MW-109 Dup of MW-101R FP47F/O 06/25/03
DISSOLVED METALS (µg/L)									
Antimony	200.8	4300		10	1 U	0.2 U	0.2 U	1 U	1 U
Arsenic	200.8	4	35	4	11	10	11	11	11
Beryllium	200.8	2		2	1 U	0.2 U	0.2 U	1 U	1 U
Cadmium	200.8	8		2	1 U	0.2 U	0.2 U	1 U	1 U
Chromium	200.8	50		50	7	1 U	1 U	2 U	3
Copper	200.8	10		10	3	0.5 U	0.5 U	3	2 U
Lead	200.8	10		10	5 U	1 U	1 U	5 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.1 U	0.10 U	0.10 U
Nickel	200.8	10		10	2 U	3.1 J	2.2 J	2 U	2 U
Selenium	200.8	71		20	2 U	2 U	2 U	2 U	2 U
Silver	200.8	2		2	2 U	0.5 U	0.5 U	2 U	2 U
Zinc	200.8	77		20	20 U	4 U	4 U	20 U	20 U
Cyanide (µg/L)									
Total Cyanide	335.2	50		50	16	19	20	21	23
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	5 U	5 U	5 U
CONVENTIONALS									
Total Dissolved Solids (µg/L)	160.1				970000	1000000	1000000	960000	950000
Total Suspended Solids (µg/L)	160.2				71000	72000	72000	79000	78000
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	NA	NA	NA
pH	Field				6.70	6.92	6.98	6.96	6.96
Specific Conductance (µmhos)	Field				2540	1860	2418	1510	1510
Temperature (°C)	Field				14.2	12.8	13.6	14.8	14.8

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-101R EE79A 3/20/2002	MW-101R EM41A 6/19/2002	MW-109 Dup of MW-101R EM41B 6/19/2002	MW-101R FP47A/J 06/25/03	MW-109 Dup of MW-101R FP47F/O 06/25/03
MAJOR IONS									
Calcium	6010				NA	NA	NA	37600	39200
Magnesium	6010				NA	NA	NA	39600	40600
Potassium	6010				NA	NA	NA	13700	14000
Sodium	6010				NA	NA	NA	253000	255000
Alkalinity (µg/L CaCO3)	2320				NA	NA	NA	720000	710000
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	1000 U	1000 U
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	720000	710000
Bromide (µg/L)	4500Br-B				NA	NA	NA	5000 U	5000 U
Fluoride (µg/L)	340.2				NA	NA	NA	730	650
Chloride (µg/L)	325.2				NA	NA	NA	100000	100000
N-Nitrate (µg-N/L)	Calculated				NA	NA	NA	10 U	10 U
N-Nitrite (µg-N/L)	354.1				NA	NA	NA	10 U	10 U
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	NA	10 U	10 U
Sulfate (µg/L)	375.2				NA	NA	NA	14000 J	13000 J

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R CP44E 12/20/2000	MW-109 Dup of MW-102R CP44I 12/20/2000	MW102R CV96B 3/14/2001	MW102R DH51B 6/22/2001
TPH (µg/L)								
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	280	310	320	320
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	250 U	250 U	250 U	250 U
PAH (µg/L)								
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.07 J	0.06 MJ	0.10 U	0.10 U
Chrysene	8270-SIM	1.0		1.0	0.04 MJ	0.04 MJ	0.10 U	0.10 U
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA	NA
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA	NA
Acenaphthylene	8270-SIM			1.0	NA	NA	NA	NA
Anthracene	8270-SIM	25900		1.0	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	NA	NA
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	NA	NA
Fluorene	8270-SIM	2422		1.0	NA	NA	NA	NA
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA	NA
Phenanthrene	8270-SIM			1.0	NA	NA	NA	NA
Pyrene	8270-SIM	777		1.0	NA	NA	NA	NA
SEMIVOLATILES (µg/L)								
Phenol	8270	1100000		10	2.0 U	2.0 U	2.0 U	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 U	1.0 UJ
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	2.0 U	2.0 U	2.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	10 U	10 U	10 U	10 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R CP44E 12/20/2000	MW-109 Dup of MW-102R CP44I 12/20/2000	MW102R CV96B 3/14/2001	MW102R DH51B 6/22/2001
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			1.0 U	1.0 U	1.7	1.0 U
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				3.5	3.2	1.0 U	1.0 U
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				1.0 U	1.0 U	1.0 U	1.0 U
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		14	12	13	12 J
2,4-Dinitrophenol	8270	3460		50	10 U	10 U	10 U	10 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 U	5.0 UJ
Dibenzofuran	8270			10	1.5	1.5	1.5	1.3
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			3.2	3.2	2.9	3.2
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				0.6 J	1.4	1.0 U	4.3
Carbazole	8270			10	0.8 J	0.8 J	1.0 U	1.0 U
Anthracene	8270	25900			1.0 J	0.8 J	1.0 U	1.0 U
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			0.9 J	0.9 J	1.0	1.0 U
Pyrene	8270	777		10	1.0 J	0.8 J	1.0 U	1.0 U
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	1.0 U	1.0 U	7.9	1.0 U
Chrysene	8270				NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R CP44E 12/20/2000	MW-109 Dup of MW-102R CP44I 12/20/2000	MW102R CV96B 3/14/2001	MW102R DH51B 6/22/2001
Di-n-Octyl phthalate	8270			10	1.0 U	1.0 U	1.0 U	1.0 U
Benzo(a)pyrene	8270				NA	NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	1.0 U	1.0 U
VOLATILES (µg/L)								
Chloromethane	8260	133		10	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	8260	968		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	8260			10	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	8260	960		5	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	8260			10	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	8260			10	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	8260			5	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	8260	32800		5	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	8260	470		5	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	8260	99		5	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	8260	41700		5	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Acetate	8260			50	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	8260	28		5	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	8260	23		5	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	8260	81		5	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	8260	21		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	8260	42		5	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	8260	71	233	5	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	8260			10	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	8260	360		5	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	8260			50	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	8260	8.9		5	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	8260	485		5	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	8260	5030		5	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	8260	276		5	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R CP44E 12/20/2000	MW-109 Dup of MW-102R CP44I 12/20/2000	MW102R CV96B 3/14/2001	MW102R DH51B 6/22/2001
m,p-Xylene	8260			5 (d)	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	8260			5 (d)	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	8260	4200		10	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8260	2600		10	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U
Acrolein	8260	780		500 (c)	50 U	50 U	50 U	50 U
Methyl Iodide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Bromoethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U
Acrylonitrile	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Dibromomethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	8260			10 (c)	3.0 U	3.0 U	3.0 U	3.0 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene	8260	50		10	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
2,2-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
n-Propylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Bromobenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
tert-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
sec-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
4-Isopropyltoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
n-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	8260	227		10	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	8260	9880		10	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U
VOLATILES-SIM (µg/L)								
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R CP44E 12/20/2000	MW-109 Dup of MW-102R CP44I 12/20/2000	MW102R CV96B 3/14/2001	MW102R DH51B 6/22/2001
DISSOLVED METALS (µg/L)								
Antimony	200.8	4300		10	1 U	1 U	1 U	1 U
Arsenic	200.8	4	35	4	9	10	6	7
Beryllium	200.8	2		2	1 U	1 U	1 U	1 U
Cadmium	200.8	8		2	1 U	1 U	1 U	1 U
Chromium	200.8	50		50	2 U	2 U	6	4
Copper	200.8	10		10	2 U	2 U	2 U	2 U
Lead	200.8	10		10	5 U	5 U	5 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	200.8	10		10	5	6	4	4
Selenium	200.8	71		20	7	8	10 U	7
Silver	200.8	2		2	2 U	2 U	2 U	2 U
Zinc	200.8	77		20	20 U	20 U	20 U	20 U
Cyanide (µg/L)								
Total Cyanide	335.2	50		50	13	13	13	13
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	5 U	5 U
CONVENTIONALS								
Total Dissolved Solids (µg/L)	160.1				1800000	1700000	2100000 J	2100000 J
Total Suspended Solids (µg/L)	160.2				56000	54000	53000	67000 J
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	NA	4 U
pH	Field				6.02	6.02	7.23	6.60
Specific Conductance (µmhos)	Field				3750	3740	3920	3875
Temperature (°C)	Field				15.1	15.1	14.5	16.0

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R CP44E 12/20/2000	MW-109 Dup of MW-102R CP44I 12/20/2000	MW102R CV96B 3/14/2001	MW102R DH51B 6/22/2001
MAJOR IONS								
Calcium	6010				NA	NA	NA	239000
Magnesium	6010				NA	NA	NA	71000
Potassium	6010				NA	NA	NA	17700
Sodium	6010				NA	NA	NA	484000
Alkalinity (µg/L CaCO3)	2320				NA	NA	NA	820000
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	1000 U
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	820000
Bromide (µg/L)	4500Br-B				NA	NA	NA	50000 U
Fluoride (µg/L)	340.2				NA	NA	NA	200
Chloride (µg/L)	325.2				NA	NA	NA	730000
N-Nitrate (µg-N/L)	Calculated				NA	NA	NA	10 U
N-Nitrite (µg-N/L)	354.1				NA	NA	NA	10 U
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	NA	10 U
Sulfate (µg/L)	375.2				NA	NA	NA	8100

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R DQ61B 9/26/2001	MW-109 Dup of MW102R DQ61I 9/26/2001	MW-102R DY69D 12/19/2001	MW-102R EE79B 3/20/2002	MW-102R EM41C 6/19/2002	MW-102R FP47B/K 06/25/03
TPH (µg/L)										
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	340	320	370	300	400	400
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U	500 U	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	250 U	250 UJ	250 UJ	250 U	250 U	250 U
PAH (µg/L)										
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.030 J
Chrysene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.020 J
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.010 UJ
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.010 UJ
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.010 UJ
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.010 UJ
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.010 UJ
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA	NA	NA	0.12 J
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA	NA	NA	NA (*)
Acenaphthylene	8270-SIM			1.0	NA	NA	NA	NA	NA	0.16 J
Anthracene	8270-SIM	25900		1.0	NA	NA	NA	NA	NA	0.84 J
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	NA	NA	NA	0.010 UJ
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	NA	NA	NA	0.48 J
Fluorene	8270-SIM	2422		1.0	NA	NA	NA	NA	NA	NA (*)
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA	NA	NA	0.060 UJ
Phenanthrene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA (*)
Pyrene	8270-SIM	777		1.0	NA	NA	NA	NA	NA	0.40 J
SEMIVOLATILES (µg/L)										
Phenol	8270	1100000		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	50 U	50 U	50 U	50 U	50 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R DQ61B 9/26/2001	MW-109 Dup of MW102R DQ61I 9/26/2001	MW-102R DY69D 12/19/2001	MW-102R EE79B 3/20/2002	MW-102R EM41C 6/19/2002	MW-102R FP47B/K 06/25/03
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			8.4 J	1.0 J	12 J	22 J	1.5	NA
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				1.8	1.0 U	2.1	2.6	1.0 U	NA
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		11	12	15 J	17	13	11
2,4-Dinitrophenol	8270	3460		50	25 U	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenzofuran	8270			10	1.1	1.1	1.4	1.4	1.2	1.2
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			2.9	3.0	3.4	3.7	2.6	2.9
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	15 U	15 U	15 U	15 U	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				4.3	4.3	3.3	3.8	1.0 U	2.7
Carbazole	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Anthracene	8270	25900			1.0 U	1.1	1.0 U	1.1	1.0 U	NA
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			1.0	1.1	1.0 U	1.0 U	1.0 U	NA
Pyrene	8270	777		10	1.0 U	1.0	1.0 U	1.0 U	1.0 U	NA
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	1.0 U
Chrysene	8270				NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R DQ61B 9/26/2001	MW-109 Dup of MW102R DQ61I 9/26/2001	MW-102R DY69D 12/19/2001	MW-102R EE79B 3/20/2002	MW-102R EM41C 6/19/2002	MW-102R FP47B/K 06/25/03
Di-n-Octyl phthalate	8270			10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Benzo(a)pyrene	8270				NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA
VOLATILES (µg/L)										
Chloromethane	8260	133		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	8260	968		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	8260			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	8260	960		5	2.0 U	2.0 U	2.0 U	2.0 U	2.1	2.0 U
Acetone	8260			10	5.0 U	5.0 U	5.0 U	6.7	8.9	18
Carbon Disulfide	8260			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	8260	32800		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	8260	470		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	8260	99		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	8260	41700		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Acetate	8260			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	8260	28		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	8260	23		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	8260	81		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	8260	21		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	8260	42		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	8260	71	233	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	8260	360		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	8260			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	8260	8.9		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	8260	485		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	8260	5030		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	8260	276		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R DQ61B 9/26/2001	MW-109 Dup of MW102R DQ61I 9/26/2001	MW-102R DY69D 12/19/2001	MW-102R EE79B 3/20/2002	MW-102R EM41C 6/19/2002	MW-102R FP47B/K 06/25/03
m,p-Xylene	8260			5 (d)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	8260			5 (d)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	8260	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8260	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acrolein	8260	780		500 (c)	50 U	50 U	50 U	50 U	50 U	50 U
Methyl Iodide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acrylonitrile	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromomethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	8260			10 (c)	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene	8260	50		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
n-Propylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromobenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
tert-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
sec-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Isopropyltoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
n-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	8260	227		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	8260	9880		10	5.0 U	6.9	11	11 J	5.0 U	5.0 U
1,2,3-Trichlorobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
VOLATILES-SIM (µg/L)										
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R DQ61B 9/26/2001	MW-109 Dup of MW102R DQ61I 9/26/2001	MW-102R DY69D 12/19/2001	MW-102R EE79B 3/20/2002	MW-102R EM41C 6/19/2002	MW-102R FP47B/K 06/25/03
DISSOLVED METALS (µg/L)										
Antimony	200.8	4300		10	1 U	1 U	1 U	1 U	0.2 U	1 U
Arsenic	200.8	4	35	4	11	11	3 J	5	4	2 U
Beryllium	200.8	2		2	1 U	1 U	1 U	1 U	0.5 U	1 U
Cadmium	200.8	8		2	1 U	1 U	1 U	1 U	0.2 U	1 U
Chromium	200.8	50		50	14 J	18 J	2 U	8	2 U	4
Copper	200.8	10		10	2 U	2 U	2 U	2 U	1 U	2 U
Lead	200.8	10		10	5 U	5 U	5 U	5 U	2 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.10 U
Nickel	200.8	10		10	4	5	4	4	5.1 J	2 U
Selenium	200.8	71		20	8	9	10 U	7	5 U	10 U
Silver	200.8	2		2	2 U	2 U	2 U	2 U	0.5 U	2 U
Zinc	200.8	77		20	20 U	20 U	20 U	20 U	4 U	20 U
Cyanide (µg/L)										
Total Cyanide	335.2	50		50	12	11	14	8	10	8
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	6	5 U	5 U	4
CONVENTIONALS										
Total Dissolved Solids (µg/L)	160.1				2100000 J	2000000 J	1900000	1800000	1900000	1500000
Total Suspended Solids (µg/L)	160.2				72000	83000	61000 J	51000	41000	51000
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	NA	NA	NA	NA
pH	Field				6.53	6.53	6.47	6.64	6.70	6.80
Specific Conductance (µmhos)	Field				3750	3750	3740	3090	3753	2710
Temperature (°C)	Field				16.2	16.1	15.1	14.2	15.0	15.6

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-102R DQ61B 9/26/2001	MW-109 Dup of MW102R DQ61I 9/26/2001	MW-102R DY69D 12/19/2001	MW-102R EE79B 3/20/2002	MW-102R EM41C 6/19/2002	MW-102R FP47B/K 06/25/03
MAJOR IONS										
Calcium	6010				NA	NA	NA	NA	NA	142000
Magnesium	6010				NA	NA	NA	NA	NA	44200
Potassium	6010				NA	NA	NA	NA	NA	14000
Sodium	6010				NA	NA	NA	NA	NA	352000
Alkalinity (µg/L CaCO3)	2320				NA	NA	NA	NA	NA	660000
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	NA	NA	1000 U
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	NA	NA	660000
Bromide (µg/L)	4500Br-B				NA	NA	NA	NA	NA	100 U
Fluoride (µg/L)	340.2				NA	NA	NA	NA	NA	310
Chloride (µg/L)	325.2				NA	NA	NA	NA	NA	510000
N-Nitrate (µg-N/L)	Calculated				NA	NA	NA	NA	NA	10 U
N-Nitrite (µg-N/L)	354.1				NA	NA	NA	NA	NA	10 U
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	NA	NA	NA	10 U
Sulfate (µg/L)	375.2				NA	NA	NA	NA	NA	7500 J

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 CP44F 12/20/2000	MW-104 CV96C 3/14/2001	MW-104 DH51C 6/22/2001	MW-104 DQ61C 9/26/2001	MW-104 DY69E 12/19/2001	MW-104 EE79C 3/20/2002
TPH (µg/L)										
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	500	560	380	390	470	480
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U	500 U	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	360	370	310	260	260 J	290
PAH (µg/L)										
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.14 M	0.11	0.13	0.10 U	0.10 U	0.10 U
Chrysene	8270-SIM	1.0		1.0	0.12 M	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA	NA	NA	NA
Acenaphthylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Anthracene	8270-SIM	25900		1.0	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	NA	NA	NA	NA
Fluorene	8270-SIM	2422		1.0	NA	NA	NA	NA	NA	NA
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA	NA	NA	NA
Phenanthrene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Pyrene	8270-SIM	777		1.0	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (µg/L)										
Phenol	8270	1100000		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	10 U	10 U	10 U	50 U	50 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 CP44F 12/20/2000	MW-104 CV96C 3/14/2001	MW-104 DH51C 6/22/2001	MW-104 DQ61C 9/26/2001	MW-104 DY69E 12/19/2001	MW-104 EE79C 3/20/2002
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				24	1.0 U	1.0 U	4.9	1.0 U	2.0
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				1.0 U	1.1	1.0 U	1.4	1.0 U	1.0 U
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		62	40	43 J	46	64 J	50
2,4-Dinitrophenol	8270	3460		50	10 U	10 U	10 U	25 U	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Dibenzofuran	8270			10	9.6	5.8	6.9	6.9	6.9	7.2
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			17	11	11	10	11	10
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	10 U	10 U	10 U	15 U	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				8.7	3.1	1.0 U	1.6	1.0 U	1.2
Carbazole	8270			10	11	6.8	4.0	5.0	1.4	2.6
Anthracene	8270	25900			1.7	1.2	1.3	1.0	1.1	1.2
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			1.9	1.6	1.5	1.5	1.7	1.4
Pyrene	8270	777		10	1.6	1.2	1.1	1.1	1.4	1.0
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	4.0 U
Chrysene	8270				NA	NA	NA	NA	NA	NA

TABLE 2-3
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 CP44F 12/20/2000	MW-104 CV96C 3/14/2001	MW-104 DH51C 6/22/2001	MW-104 DQ61C 9/26/2001	MW-104 DY69E 12/19/2001	MW-104 EE79C 3/20/2002
Di-n-Octyl phthalate	8270			10	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	8270				NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VOLATILES (µg/L)										
Chloromethane	8260	133		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	8260	968		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	8260			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	8260	960		5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	8260			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	8260	32800		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	8260	470		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	8260	99		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	8260	41700		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Acetate	8260			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	8260	28		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	8260	23		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	8260	81		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	8260	21		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	8260	42		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	8260	71	233	5	1.4	1.9	1.7	1.0	1.6	2.1
trans-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	8260	360		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	8260			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	8260	8.9		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	8260	485		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	8260	5030		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	8260	276		5	1.0	1.2	1.5	1.0 U	1.0 U	1.4
Styrene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 CP44F 12/20/2000	MW-104 CV96C 3/14/2001	MW-104 DH51C 6/22/2001	MW-104 DQ61C 9/26/2001	MW-104 DY69E 12/19/2001	MW-104 EE79C 3/20/2002
m,p-Xylene	8260			5 (d)	2.8	3.1	2.2	1.8	1.9	2.7
o-Xylene	8260			5 (d)	1.0 J	1.2	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	8260	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8260	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acrolein	8260	780		500 (c)	50 U	50 U	50 U	50 U	50 U	50 U
Methyl Iodide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acrylonitrile	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromomethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	8260			10 (c)	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene	8260			10 (c)	1.4	1.6	1.4	1.1	1.2	1.6
1,2,4-Trimethylbenzene	8260			10 (c)	4.6	5.7	3.3	3.0	2.1	2.4
Hexachlorobutadiene	8260	50		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	8260			10 (c)	1.5	1.5	1.2	1.0	1.1	1.5
n-Propylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromobenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
tert-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
sec-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Isopropyltoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
n-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	8260	227		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	8260	9880		10	80	120	100	44	67	70 J
1,2,3-Trichlorobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
VOLATILES-SIM (µg/L)										
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA

TABLE 2-3
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 CP44F 12/20/2000	MW-104 CV96C 3/14/2001	MW-104 DH51C 6/22/2001	MW-104 DQ61C 9/26/2001	MW-104 DY69E 12/19/2001	MW-104 EE79C 3/20/2002
DISSOLVED METALS (µg/L)										
Antimony	200.8	4300		10	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	200.8	4	35	4	1 U	1	1	1	1 J	1
Beryllium	200.8	2		2	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	200.8	8		2	1 U	1 U	1 U	1 U	1 U	1 U
Chromium	200.8	50		50	2 U	2 U	2 U	3	2 U	3
Copper	200.8	10		10	2 U	2 U	2 U	2 U	2 U	2 U
Lead	200.8	10		10	5 U	5 U	5 U	5 U	5 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	200.8	10		10	2 U	2 U	2 U	2 U	2 U	2 U
Selenium	200.8	71		20	2 U	2 U	2 U	2 U	2 U	2 U
Silver	200.8	2		2	2 U	2 U	2 U	2 U	2 U	2 U
Zinc	200.8	77		20	20 U	20 U	20 U	20 U	20 U	20 U
Cyanide (µg/L)										
Total Cyanide	335.2	50		50	11	11	9	7	11	10
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	5 U	5 U	5 U	5 U
CONVENTIONALS										
Total Dissolved Solids (µg/L)	160.1				450000	570000 J	550000 J	530000 J	550000	530000
Total Suspended Solids (µg/L)	160.2				25000	12000	19000 J	5100	11000 J	19000
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	22	NA	NA	NA
pH	Field				6.86	7.59	6.74	7.26	6.82	7.27
Specific Conductance (µmhos)	Field				990	1170	955	1020	1270	920
Temperature (°C)	Field				15.3	13.1	14.7	16.5	13.2	11.4

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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 CP44F 12/20/2000	MW-104 CV96C 3/14/2001	MW-104 DH51C 6/22/2001	MW-104 DQ61C 9/26/2001	MW-104 DY69E 12/19/2001	MW-104 EE79C 3/20/2002
MAJOR IONS										
Calcium	6010				NA	NA	49000	NA	NA	NA
Magnesium	6010				NA	NA	23600	NA	NA	NA
Potassium	6010				NA	NA	19400	NA	NA	NA
Sodium	6010				NA	NA	104000	NA	NA	NA
Alkalinity (µg/L CaCO3)	2320				NA	NA	360000	NA	NA	NA
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	1000 U	NA	NA	NA
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	360000	NA	NA	NA
Bromide (µg/L)	4500Br-B				NA	NA	50000 U	NA	NA	NA
Fluoride (µg/L)	340.2				NA	NA	200	NA	NA	NA
Chloride (µg/L)	325.2				NA	NA	68000	NA	NA	NA
N-Nitrate (µg-N/L)	Calculated				NA	NA	10 U	NA	NA	NA
N-Nitrite (µg-N/L)	354.1				NA	NA	10 U	NA	NA	NA
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	10 U	NA	NA	NA
Sulfate (µg/L)	375.2				NA	NA	13000	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 EM41D 6/19/2002	MW-104 FP47C/L 06/25/03
TPH (µg/L)						
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	360	460
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	250 U	250 U
PAH (µg/L)						
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.10 U	0.090
Chrysene	8270-SIM	1.0		1.0	0.10 U	0.060
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.010 U
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.010 U
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.010 U
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.010 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.010 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA (*)
Acenaphthene	8270-SIM	225	454	1.0	NA	NA (*)
Acenaphthylene	8270-SIM			1.0	NA	0.47
Anthracene	8270-SIM	25900		1.0	NA	0.77
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	0.010 U
Fluoranthene	8270-SIM	27.1		1.0	NA	NA (*)
Fluorene	8270-SIM	2422		1.0	NA	NA (*)
Naphthalene	8270-SIM	9880		1.0	NA	0.40
Phenanthrene	8270-SIM			1.0	NA	0.010 U
Pyrene	8270-SIM	777		1.0	NA	NA (*)
SEMIVOLATILES (µg/L)						
Phenol	8270	1100000		10	2.0 U	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U
Benzoic Acid	8270			10	50 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 EM41D 6/19/2002	MW-104 FP47C/L 06/25/03
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U
Naphthalene	8270	9880			1.0 U	NA
4-Chloroaniline	8270			20	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U
2-Methylnaphthalene	8270				1.0 U	9.3
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U
Acenaphthylene	8270				2.3	NA
3-Nitroaniline	8270			50	6.0 U	6.0 U
Acenaphthene	8270	225	454		50	48
2,4-Dinitrophenol	8270	3460		50	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U
Dibenzofuran	8270			10	5.3	6.1
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U
Fluorene	8270	2422			6.8	8.5
4-Nitroaniline	8270			20	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U
Phenanthrene	8270				1.0 U	NA
Carbazole	8270			10	1.0 U	10
Anthracene	8270	25900			1.0 U	NA
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U
Fluoranthene	8270	27.1			1.4	1.4
Pyrene	8270	777		10	1.1	1.3
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	4.0 U	1.0 U
Chrysene	8270				NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 EM41D 6/19/2002	MW-104 FP47C/L 06/25/03
Di-n-Octyl phthalate	8270			10	2.0 U	1.0 U
Benzo(a)pyrene	8270				NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	NA
VOLATILES (µg/L)						
Chloromethane	8260	133		10	1.0 U	1.0 U
Bromomethane	8260	968		10 (c)	1.0 U	1.0 U
Vinyl Chloride	8260	10		10	1.0 U	1.0 U
Chloroethane	8260			10	1.0 U	1.0 U
Methylene Chloride	8260	960		5	2.0 U	2.0 U
Acetone	8260			10	5.0 U	5.0 U
Carbon Disulfide	8260			10	1.0 U	1.0 U
1,1-Dichloroethene	8260	5		5	1.0 U	1.0 U
1,1-Dichloroethane	8260			5	1.0 U	1.0 U
trans-1,2-Dichloroethene	8260	32800		5	1.0 U	1.0 U
cis-1,2-Dichloroethene	8260			5	1.0 U	1.0 U
Chloroform	8260	470		5	1.0 U	1.0 U
1,2-Dichloroethane	8260	99		5	1.0 U	1.0 U
2-Butanone	8260			50 (c)	5.0 U	5.0 U
1,1,1-Trichloroethane	8260	41700		5	1.0 U	1.0 U
Carbon Tetrachloride	8260	5		5	1.0 U	1.0 U
Vinyl Acetate	8260			50	5.0 U	5.0 U
Bromodichloromethane	8260	28		5	1.0 U	1.0 U
1,2-Dichloropropane	8260	23		5	1.0 U	1.0 U
cis-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U
Trichloroethene	8260	81		5	1.0 U	1.0 U
Dibromochloromethane	8260	21		10 (c)	1.0 U	1.0 U
1,1,2-Trichloroethane	8260	42		5	1.0 U	1.0 U
Benzene	8260	71	233	5	1.1	1.5
trans-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U
2-Chloroethylvinylether	8260			10	5.0 U	5.0 U
Bromoform	8260	360		5	1.0 U	1.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	5.0 U	5.0 U
2-Hexanone	8260			50	5.0 U	5.0 U
Tetrachloroethene	8260	8.9		5	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	1.0 U	1.0 U
Toluene	8260	485		5	1.0 U	1.0 U
Chlorobenzene	8260	5030		5	1.0 U	1.0 U
Ethylbenzene	8260	276		5	1.0 U	1.1
Styrene	8260			5	1.0 U	1.0 U
Trichlorofluoromethane	8260			10 (c)	1.0 U	1.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	2.0 U	2.0 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 EM41D 6/19/2002	MW-104 FP47C/L 06/25/03
m,p-Xylene	8260			5 (d)	1.9	1.6
o-Xylene	8260			5 (d)	1.0 U	1.0 U
1,2-Dichlorobenzene	8260	4200		10	1.0 U	1.0 U
1,3-Dichlorobenzene	8260	2600		10	1.0 U	1.0 U
1,4-Dichlorobenzene	8260	10		10	1.0 U	1.0 U
Acrolein	8260	780		500 (c)	50 U	50 U
Methyl Iodide	8260			10 (c)	1.0 U	1.0 U
Bromoethane	8260			10 (c)	2.0 U	2.0 U
Acrylonitrile	8260	5		5	1.0 U	1.0 U
1,1-Dichloropropene	8260			10 (c)	1.0 U	1.0 U
Dibromomethane	8260			10 (c)	1.0 U	1.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	5.0 U	5.0 U
1,2,3-Trichloropropane	8260			10 (c)	3.0 U	3.0 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	5.0 U	5.0 U
1,3,5-Trimethylbenzene	8260			10 (c)	1.2 J	1.2
1,2,4-Trimethylbenzene	8260			10 (c)	1.1	1.0 U
Hexachlorobutadiene	8260	50		10	5.0 U	5.0 U
Ethylene Dibromide	8260			10 (c)	1.0 U	1.0 U
Bromochloromethane	8260			10 (c)	1.0 U	1.0 U
2,2-Dichloropropane	8260			10 (c)	1.0 U	1.0 U
1,3-Dichloropropane	8260			10 (c)	1.0 U	1.0 U
Isopropylbenzene	8260			10 (c)	1.0 U	1.1 J
n-Propylbenzene	8260			10 (c)	1.0 U	1.0 U
Bromobenzene	8260			10 (c)	1.0 U	1.0 U
2-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U
4-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U
tert-Butylbenzene	8260			10 (c)	1.0 U	1.0 U
sec-Butylbenzene	8260			10 (c)	1.0 U	1.0 U
4-Isopropyltoluene	8260			10 (c)	1.0 U	1.0 U
n-Butylbenzene	8260			10 (c)	1.0 U	1.0 U
1,2,4-Trichlorobenzene	8260	227		10	5.0 U	5.0 U
Naphthalene	8260	9880		10	19	17
1,2,3-Trichlorobenzene	8260			10 (c)	5.0 U	5.0 U
VOLATILES-SIM (µg/L)						
Vinyl Chloride	SW8260-SIM	10		10	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 EM41D 6/19/2002	MW-104 FP47C/L 06/25/03
DISSOLVED METALS (µg/L)						
Antimony	200.8	4300		10	0.2 U	1 U
Arsenic	200.8	4	35	4	1.0	1
Beryllium	200.8	2		2	0.2 U	1 U
Cadmium	200.8	8		2	0.2 U	1 U
Chromium	200.8	50		50	2 U	2 U
Copper	200.8	10		10	0.5 U	2 U
Lead	200.8	10		10	1 U	5 U
Mercury	7470	1		1	0.1 U	0.10 U
Nickel	200.8	10		10	1.3 J	2 U
Selenium	200.8	71		20	1.1	2 U
Silver	200.8	2		2	0.5 U	2 U
Zinc	200.8	77		20	4 U	20 U
Cyanide (µg/L)						
Total Cyanide	335.2	50		50	10	8
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U
CONVENTIONALS						
Total Dissolved Solids (µg/L)	160.1				530000	510000
Total Suspended Solids (µg/L)	160.2				4900	6200
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA
pH	Field				7.32	7.26
Specific Conductance (µmhos)	Field				1088	641
Temperature (°C)	Field				14.6	15.4

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-104 EM41D 6/19/2002	MW-104 FP47C/L 06/25/03
MAJOR IONS						
Calcium	6010				NA	40100
Magnesium	6010				NA	19200
Potassium	6010				NA	16800
Sodium	6010				NA	94100
Alkalinity (µg/L CaCO3)	2320				NA	340000
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	1000 U
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	340000
Bromide (µg/L)	4500Br-B				NA	5000 U
Fluoride (µg/L)	340.2				NA	220
Chloride (µg/L)	325.2				NA	80000
N-Nitrate (µg-N/L)	Calculated				NA	10 U
N-Nitrite (µg-N/L)	354.1				NA	10 U
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	10 U
Sulfate (µg/L)	375.2				NA	4000 J

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 CP44C 12/20/2000	MW-105 CV96D 3/14/2001	MW-105 DH51G 6/22/2001	MW-105 DQ61D 9/26/2001	MW-105 DY69F 12/19/2001	MW-105 EE79D 3/20/2002
TPH (µg/L)										
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	1500	1200	1200	1600	1400	1600
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U	500 U	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	2500	2700	2400 J	2300 J	2100 J	2000
PAH (µg/L)										
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.33	0.76	0.52	0.41	0.77 J	0.85
Chrysene	8270-SIM	1.0		1.0	0.25 M	0.69	0.35	0.27	0.56 J	0.66 J
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.03 MJ	0.23	0.12	0.10 U	0.20 J	0.17
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.04 MJ	0.35	0.13	0.10 U	0.32 J	0.36
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.02 MJ	0.36	0.15	0.10 U	0.40 J	0.41
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.15	0.10 U	0.10 U	0.19 J	0.15
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA	NA	NA	NA
Acenaphthylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Anthracene	8270-SIM	25900		1.0	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	NA	NA	NA	NA
Fluorene	8270-SIM	2422		1.0	NA	NA	NA	NA	NA	NA
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA	NA	NA	NA
Phenanthrene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Pyrene	8270-SIM	777		1.0	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (µg/L)										
Phenol	8270	1100000		10	6.1	4.8	2.0 U	6.3	4.9	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	1.0 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	22	32	30	22	12	12
Benzoic Acid	8270			10	10 U	10 U	10 U	50 U	50 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 CP44C 12/20/2000	MW-105 CV96D 3/14/2001	MW-105 DH51G 6/22/2001	MW-105 DQ61D 9/26/2001	MW-105 DY69F 12/19/2001	MW-105 EE79D 3/20/2002
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			1000	1000	770	610 J	860 J	940 J
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				100	130	110	89	74	96
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				2.3	1.6	1.2	1.7	1.2	1.0 U
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		100	67	70	67	80 J	79
2,4-Dinitrophenol	8270	3460		50	10 U	10 U	10 U	25 U	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Dibenzofuran	8270			10	29	23	21	21	23	22
2,6-Dinitrotoluene	8270			10	9.3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			42	32	32	29	35	30
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	10 U	10 U	10 U	15 U	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				57	58	59	60	73	65
Carbazole	8270			10	37	31	24	29	28	27
Anthracene	8270	25900			7.4	8.1	7.0	6.4	9.6	8.1
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			9.2	11	9.5	8.1	11	11
Pyrene	8270	777		10	9.6	9.6	8.1	6.6	9.8	8.2
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	1.6	1.0 U	1.0 U	4.0 U	4.0 U	4.0 U
Chrysene	8270				NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 CP44C 12/20/2000	MW-105 CV96D 3/14/2001	MW-105 DH51G 6/22/2001	MW-105 DQ61D 9/26/2001	MW-105 DY69F 12/19/2001	MW-105 EE79D 3/20/2002
Di-n-Octyl phthalate	8270			10	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	8270				NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VOLATILES (µg/L)										
Chloromethane	8260	133		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Bromomethane	8260	968		10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Vinyl Chloride	8260	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Chloroethane	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Methylene Chloride	8260	960		5	10 U	10 U	10 U	10 U	10 UJ	10 U
Acetone	8260			10	25 U	25 U	25 U	25 U	25 UJ	25 U
Carbon Disulfide	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,1-Dichloroethene	8260	5		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,1-Dichloroethane	8260			5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
trans-1,2-Dichloroethene	8260	32800		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
cis-1,2-Dichloroethene	8260			5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Chloroform	8260	470		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,2-Dichloroethane	8260	99		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
2-Butanone	8260			50 (c)	25 U	25 U	25 U	25 U	25 UJ	25 U
1,1,1-Trichloroethane	8260	41700		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Carbon Tetrachloride	8260	5		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Vinyl Acetate	8260			50	25 U	25 U	25 U	25 U	25 UJ	25 U
Bromodichloromethane	8260	28		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,2-Dichloropropane	8260	23		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
cis-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Trichloroethene	8260	81		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Dibromochloromethane	8260	21		10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,1,2-Trichloroethane	8260	42		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Benzene	8260	71	233	5	200	310	390	330	270 J	330
trans-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
2-Chloroethylvinylether	8260			10	25 U	25 U	25 U	25 U	25 UJ	25 U
Bromoform	8260	360		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	25 U	25 U	25 U	25 U	25 UJ	25 U
2-Hexanone	8260			50	25 U	25 U	25 U	25 U	25 UJ	25 U
Tetrachloroethene	8260	8.9		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Toluene	8260	485		5	30	30	23	33	18 J	29
Chlorobenzene	8260	5030		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Ethylbenzene	8260	276		5	47	76	82	69	56 J	68
Styrene	8260			5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Trichlorofluoromethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	10 U	10 U	10 U	10 U	10 UJ	10 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 CP44C 12/20/2000	MW-105 CV96D 3/14/2001	MW-105 DH51G 6/22/2001	MW-105 DQ61D 9/26/2001	MW-105 DY69F 12/19/2001	MW-105 EE79D 3/20/2002
m,p-Xylene	8260			5 (d)	52	69	60	56	38 J	47
o-Xylene	8260			5 (d)	27	42	42	37	29 J	29
1,2-Dichlorobenzene	8260	4200		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,3-Dichlorobenzene	8260	2600		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,4-Dichlorobenzene	8260	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Acrolein	8260	780		500 (c)	250 U	250 U	250 U	250 U	250 UJ	250 U
Methyl Iodide	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Bromoethane	8260			10 (c)	10 U	10 U	10 U	10 U	10 UJ	10 U
Acrylonitrile	8260	5		5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,1-Dichloropropene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Dibromomethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	25 U	25 U	25 U	25 U	25 UJ	25 U
1,2,3-Trichloropropane	8260			10 (c)	15 U	15 U	15 U	15 U	15 UJ	15 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	25 U	25 U	25 U	25 U	25 UJ	25 U
1,3,5-Trimethylbenzene	8260			10 (c)	8.8	11	7.6	7.8	5.4 J	7.5
1,2,4-Trimethylbenzene	8260			10 (c)	22	30	24	22	17 J	20
Hexachlorobutadiene	8260	50		10	25 U	25 U	25 U	25 U	25 UJ	25 U
Ethylene Dibromide	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Bromochloromethane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
2,2-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,3-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Isopropylbenzene	8260			10 (c)	5.0 U	5.0	5.0 U	5.0 U	5.0 UJ	5.0 U
n-Propylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Bromobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
2-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
4-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
tert-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
sec-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
4-Isopropyltoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
n-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
1,2,4-Trichlorobenzene	8260	227		10	25 U	25 U	25 U	25 U	25 UJ	25 U
Naphthalene	8260	9880		10	1700	1900	2300	1700	2300	2200 J
1,2,3-Trichlorobenzene	8260			10 (c)	25 U	25 U	25 U	25 U	25 UJ	25 U
VOLATILES-SIM (µg/L)										
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 CP44C 12/20/2000	MW-105 CV96D 3/14/2001	MW-105 DH51G 6/22/2001	MW-105 DQ61D 9/26/2001	MW-105 DY69F 12/19/2001	MW-105 EE79D 3/20/2002
DISSOLVED METALS (µg/L)										
Antimony	200.8	4300		10	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	200.8	4	35	4	18	14	14	14	18 J	19
Beryllium	200.8	2		2	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	200.8	8		2	1 U	1 U	1 U	1 U	1 U	1 U
Chromium	200.8	50		50	2 U	7	9	21	3	14
Copper	200.8	10		10	9	2 U	2 U	2 U	2 U	2 U
Lead	200.8	10		10	5 U	5 U	5 U	5 U	5 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	200.8	10		10	4	2 U	3	2 U	3	3
Selenium	200.8	71		20	10	10 U	11	17	11 J	13
Silver	200.8	2		2	2 U	2 U	2 U	2 U	2 U	2 U
Zinc	200.8	77		20	20 U	20 U	20 U	20 U	20 U	20 U
Cyanide (µg/L)										
Total Cyanide	335.2	50		50	11	7	5	7	18	7
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	5 U	5 U	5	5 U
CONVENTIONALS										
Total Dissolved Solids (µg/L)	160.1				2200000	3400000 J	3200000 J	3400000 J	2700000	2700000
Total Suspended Solids (µg/L)	160.2				66000	83000	85000 J	100000	110000 J	97000
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	5	NA	NA	NA
pH	Field				6.74	7.26	7.01	6.72	6.73	6.87
Specific Conductance (µmhos)	Field				5205	7310	7525	6230	5850	5460
Temperature (°C)	Field				17.0	15.8	17.6	18.9	16.6	15.8

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 CP44C 12/20/2000	MW-105 CV96D 3/14/2001	MW-105 DH51G 6/22/2001	MW-105 DQ61D 9/26/2001	MW-105 DY69F 12/19/2001	MW-105 EE79D 3/20/2002
MAJOR IONS										
Calcium	6010				NA	NA	119000	NA	NA	NA
Magnesium	6010				NA	NA	84900	NA	NA	NA
Potassium	6010				NA	NA	47300	NA	NA	NA
Sodium	6010				NA	NA	891000	NA	NA	NA
Alkalinity (µg/L CaCO3)	2320				NA	NA	1400000	NA	NA	NA
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	1000 U	NA	NA	NA
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	140000	NA	NA	NA
Bromide (µg/L)	4500Br-B				NA	NA	50000 U	NA	NA	NA
Fluoride (µg/L)	340.2				NA	NA	400	NA	NA	NA
Chloride (µg/L)	325.2				NA	NA	1100000	NA	NA	NA
N-Nitrate (µg-N/L)	Calculated				NA	NA	10 U	NA	NA	NA
N-Nitrite (µg-N/L)	354.1				NA	NA	10 U	NA	NA	NA
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	10 U	NA	NA	NA
Sulfate (µg/L)	375.2				NA	NA	11000	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 EM41E 6/19/2002	MW-105 FP47D/M 06/25/03
TPH (µg/L)						
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	1500	1400
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	1600 J	1500
PAH (µg/L)						
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.24	0.24
Chrysene	8270-SIM	1.0		1.0	0.16	0.15
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.030
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.040
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.040
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.010 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.010 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA (*)
Acenaphthene	8270-SIM	225	454	1.0	NA	NA (*)
Acenaphthylene	8270-SIM			1.0	NA	0.29 J
Anthracene	8270-SIM	25900		1.0	NA	NA (*)
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	0.010 U
Fluoranthene	8270-SIM	27.1		1.0	NA	NA (*)
Fluorene	8270-SIM	2422		1.0	NA	NA (*)
Naphthalene	8270-SIM	9880		1.0	NA	NA (*)
Phenanthrene	8270-SIM			1.0	NA	NA (*)
Pyrene	8270-SIM	777		1.0	NA	NA (*)
SEMIVOLATILES (µg/L)						
Phenol	8270	1100000		10	8.2	7.0
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	10	4.1
Benzoic Acid	8270			10	50 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 EM41E 6/19/2002	MW-105 FP47D/M 06/25/03
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U
Naphthalene	8270	9880			410	480 J
4-Chloroaniline	8270			20	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U
2-Methylnaphthalene	8270				76	71
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U
Acenaphthylene	8270				1.1	NA
3-Nitroaniline	8270			50	6.0 U	6.0 U
Acenaphthene	8270	225	454		75	54
2,4-Dinitrophenol	8270	3460		50	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U
Dibenzofuran	8270			10	22	17
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U
Fluorene	8270	2422			32	24
4-Nitroaniline	8270			20	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U
Phenanthrene	8270				57	40
Carbazole	8270			10	23	21
Anthracene	8270	25900			5.8	5.6
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U
Fluoranthene	8270	27.1			7.4	5.9
Pyrene	8270	777		10	6.8	6.1
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	4.0 U	1.0 U
Chrysene	8270				NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 EM41E 6/19/2002	MW-105 FP47D/M 06/25/03
Di-n-Octyl phthalate	8270			10	2.0 U	1.0 U
Benzo(a)pyrene	8270				NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	NA
VOLATILES (µg/L)						
Chloromethane	8260	133		10	5.0 U	5.0 U
Bromomethane	8260	968		10 (c)	5.0 U	5.0 U
Vinyl Chloride	8260	10		10	5.0 U	5.0 U
Chloroethane	8260			10	5.0 U	5.0 U
Methylene Chloride	8260	960		5	10 U	10 U
Acetone	8260			10	25 U	25 U
Carbon Disulfide	8260			10	5.0 U	5.0 U
1,1-Dichloroethene	8260	5		5	5.0 U	5.0 U
1,1-Dichloroethane	8260			5	5.0 U	5.0 U
trans-1,2-Dichloroethene	8260	32800		5	5.0 U	5.0 U
cis-1,2-Dichloroethene	8260			5	5.0 U	5.0 U
Chloroform	8260	470		5	5.0 U	5.0 U
1,2-Dichloroethane	8260	99		5	5.0 U	5.0 U
2-Butanone	8260			50 (c)	25 U	25 U
1,1,1-Trichloroethane	8260	41700		5	5.0 U	5.0 U
Carbon Tetrachloride	8260	5		5	5.0 U	5.0 U
Vinyl Acetate	8260			50	25 U	25 U
Bromodichloromethane	8260	28		5	5.0 U	5.0 U
1,2-Dichloropropane	8260	23		5	5.0 U	5.0 U
cis-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U
Trichloroethene	8260	81		5	5.0 U	5.0 U
Dibromochloromethane	8260	21		10 (c)	5.0 U	5.0 U
1,1,2-Trichloroethane	8260	42		5	5.0 U	5.0 U
Benzene	8260	71	233	5	220	310
trans-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U
2-Chloroethylvinylether	8260			10	25 U	25 U
Bromoform	8260	360		5	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	25 U	25 U
2-Hexanone	8260			50	25 U	25 U
Tetrachloroethene	8260	8.9		5	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	5.0 U	5.0 U
Toluene	8260	485		5	22	32
Chlorobenzene	8260	5030		5	5.0 U	5.0 U
Ethylbenzene	8260	276		5	50	52
Styrene	8260			5	5.0 U	5.0 U
Trichlorofluoromethane	8260			10 (c)	5.0 U	5.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	10 U	10 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 EM41E 6/19/2002	MW-105 FP47D/M 06/25/03
m,p-Xylene	8260			5 (d)	36	37
o-Xylene	8260			5 (d)	21	19
1,2-Dichlorobenzene	8260	4200		10	5.0 U	5.0 U
1,3-Dichlorobenzene	8260	2600		10	5.0 U	5.0 U
1,4-Dichlorobenzene	8260	10		10	5.0 U	5.0 U
Acrolein	8260	780		500 (c)	250 U	250 U
Methyl Iodide	8260			10 (c)	5.0 U	5.0 U
Bromoethane	8260			10 (c)	10 U	10 U
Acrylonitrile	8260	5		5	5.0 U	5.0 U
1,1-Dichloropropene	8260			10 (c)	5.0 U	5.0 U
Dibromomethane	8260			10 (c)	5.0 U	5.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	25 U	25 U
1,2,3-Trichloropropane	8260			10 (c)	15 U	15 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	25 U	25 U
1,3,5-Trimethylbenzene	8260			10 (c)	5.4 J	5.5
1,2,4-Trimethylbenzene	8260			10 (c)	15	15
Hexachlorobutadiene	8260	50		10	25 U	25 U
Ethylene Dibromide	8260			10 (c)	5.0 U	5.0 U
Bromochloromethane	8260			10 (c)	5.0 U	5.0 U
2,2-Dichloropropane	8260			10 (c)	5.0 U	5.0 U
1,3-Dichloropropane	8260			10 (c)	5.0 U	5.0 U
Isopropylbenzene	8260			10 (c)	5.0 U	5.0 U
n-Propylbenzene	8260			10 (c)	5.0 U	5.0 U
Bromobenzene	8260			10 (c)	5.0 U	5.0 U
2-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U
4-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U
tert-Butylbenzene	8260			10 (c)	5.0 U	5.0 U
sec-Butylbenzene	8260			10 (c)	5.0 U	5.0 U
4-Isopropyltoluene	8260			10 (c)	5.0 U	5.0 U
n-Butylbenzene	8260			10 (c)	5.0 U	5.0 U
1,2,4-Trichlorobenzene	8260	227		10	25 U	25 U
Naphthalene	8260	9880		10	980	1300
1,2,3-Trichlorobenzene	8260			10 (c)	25 U	25 U
VOLATILES-SIM (µg/L)						
Vinyl Chloride	SW8260-SIM	10		10	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 EM41E 6/19/2002	MW-105 FP47D/M 06/25/03
DISSOLVED METALS (µg/L)						
Antimony	200.8	4300		10	0.4	1 U
Arsenic	200.8	4	35	4	12	12
Beryllium	200.8	2		2	0.5 U	1 U
Cadmium	200.8	8		2	0.2 U	1 U
Chromium	200.8	50		50	2 U	6
Copper	200.8	10		10	1 U	2 U
Lead	200.8	10		10	2 U	5 U
Mercury	7470	1		1	0.1 U	0.10 U
Nickel	200.8	10		10	3.2 J	3
Selenium	200.8	71		20	6	10 U
Silver	200.8	2		2	0.5 U	2 U
Zinc	200.8	77		20	5	20 U
Cyanide (µg/L)						
Total Cyanide	335.2	50		50	7	5 U
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U
CONVENTIONALS						
Total Dissolved Solids (µg/L)	160.1				3300000	2400000
Total Suspended Solids (µg/L)	160.2				88000	98000
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA
pH	Field				6.94	7.08
Specific Conductance (µmhos)	Field				6830	6610
Temperature (°C)	Field				17.0	17.3

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-105 EM41E 6/19/2002	MW-105 FP47D/M 06/25/03	
MAJOR IONS							
Calcium	6010				NA	82100	
Magnesium	6010				NA	67900	
Potassium	6010				NA	40200	
Sodium	6010				NA	777000	
Alkalinity (µg/L CaCO3)	2320				NA	1000000	
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	1000	U
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	1000000	
Bromide (µg/L)	4500Br-B				NA	5000	U
Fluoride (µg/L)	340.2				NA	480	
Chloride (µg/L)	325.2				NA	1000000	
N-Nitrate (µg-N/L)	Calculated				NA	10	U
N-Nitrite (µg-N/L)	354.1				NA	10	U
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	15	U
Sulfate (µg/L)	375.2				NA	12000	J

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R CP44D 12/20/2000	MW-107R CV96E 3/14/2001	MW-109 Dup of MW-107R CV96G 3/14/2001	MW-107R DH51H 6/22/2001	MW-107R DQ61E 9/26/2001	MW-107R DY69G 12/19/2001
TPH (µg/L)										
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	540	1200	1100	890	1900	630
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U	500 U	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	1400	1800 J	1400 J	1500	3900	780 J
PAH (µg/L)										
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.04 J	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Chrysene	8270-SIM	1.0		1.0	0.03 MJ	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA	NA	NA	NA
Acenaphthylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Anthracene	8270-SIM	25900		1.0	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	NA	NA	NA	NA
Fluorene	8270-SIM	2422		1.0	NA	NA	NA	NA	NA	NA
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA	NA	NA	NA
Phenanthrene	8270-SIM			1.0	NA	NA	NA	NA	NA	NA
Pyrene	8270-SIM	777		1.0	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (µg/L)										
Phenol	8270	1100000		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	10 U	10 U	10 U	10 U	50 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R CP44D 12/20/2000	MW-107R CV96E 3/14/2001	MW-109 Dup of MW-107R CV96G 3/14/2001	MW-107R DH51H 6/22/2001	MW-107R DQ61E 9/26/2001	MW-107R DY69G 12/19/2001
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			740	2200	1900	1300	1400 J	990 J
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				63	170	150	130	150	66
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		33	53	53	47	56	38 J
2,4-Dinitrophenol	8270	3460		50	10 U	10 U	10 U	10 U	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Dibenzofuran	8270			10	1.8	3.9	4.0	3.0	3.6	2.4
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			8.9	16	17	14	15	10
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	10 U	10 U	10 U	10 U	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				5.9	12	12	9.8	12	7.6
Carbazole	8270			10	4.4	10	11	7.1	11	4.2
Anthracene	8270	25900			1.0 U	1.0	1.0	1.0 U	1.0	1.0 U
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	8270	777		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U
Chrysene	8270				NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R CP44D 12/20/2000	MW-107R CV96E 3/14/2001	MW-109 Dup of MW-107R CV96G 3/14/2001	MW-107R DH51H 6/22/2001	MW-107R DQ61E 9/26/2001	MW-107R DY69G 12/19/2001
Di-n-Octyl phthalate	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U
Benzo(a)pyrene	8270				NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
VOLATILES (µg/L)										
Chloromethane	8260	133		10	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Bromomethane	8260	968		10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Vinyl Chloride	8260	10		10	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Chloroethane	8260			10	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Methylene Chloride	8260	960		5	10 U	10 U	2.0 U	10 U	10 U	10 UJ
Acetone	8260			10	25 U	25 U	5.0 U	25 U	25 U	25 UJ
Carbon Disulfide	8260			10	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,1-Dichloroethene	8260	5		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,1-Dichloroethane	8260			5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
trans-1,2-Dichloroethene	8260	32800		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
cis-1,2-Dichloroethene	8260			5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Chloroform	8260	470		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,2-Dichloroethane	8260	99		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
2-Butanone	8260			50 (c)	25 U	25 U	5.0 U	25 U	25 U	25 UJ
1,1,1-Trichloroethane	8260	41700		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Carbon Tetrachloride	8260	5		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Vinyl Acetate	8260			50	25 U	25 U	5.0 U	25 U	25 U	25 UJ
Bromodichloromethane	8260	28		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,2-Dichloropropane	8260	23		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
cis-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Trichloroethene	8260	81		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Dibromochloromethane	8260	21		10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,1,2-Trichloroethane	8260	42		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Benzene	8260	71	233	5	5.0 U	5.0 U	1.2	5.0 U	5.7	5.0 UJ
trans-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
2-Chloroethylvinylether	8260			10	25 U	25 U	5.0 U	25 U	25 U	25 UJ
Bromoform	8260	360		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	25 U	25 U	5.0 U	25 U	25 U	25 UJ
2-Hexanone	8260			50	25 U	25 U	5.0 U	25 U	25 U	25 UJ
Tetrachloroethene	8260	8.9		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,1,2,2-Tetrachloroethane	8260	6.5		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Toluene	8260	485		5	4.9 J	8.6	7.6	7.3	22	5.0 UJ
Chlorobenzene	8260	5030		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Ethylbenzene	8260	276		5	33	46	44	47	110	21 J
Styrene	8260			5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Trichlorofluoromethane	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	10 U	10 U	2.0 U	10 U	10 U	10 UJ

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R CP44D 12/20/2000	MW-107R CV96E 3/14/2001	MW-109 Dup of MW-107R CV96G 3/14/2001	MW-107R DH51H 6/22/2001	MW-107R DQ61E 9/26/2001	MW-107R DY69G 12/19/2001
m,p-Xylene	8260			5 (d)	24	33	33	32	89	15 J
o-Xylene	8260			5 (d)	19	23	23	20	66	11 J
1,2-Dichlorobenzene	8260	4200		10	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,3-Dichlorobenzene	8260	2600		10	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,4-Dichlorobenzene	8260	10		10	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Acrolein	8260	780		500 (c)	250 U	250 U	50 U	250 U	250 U	250 UJ
Methyl Iodide	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Bromoethane	8260			10 (c)	10 U	10 U	2.0 U	10 U	10 U	10 UJ
Acrylonitrile	8260	5		5	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,1-Dichloropropene	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Dibromomethane	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,1,1,2-Tetrachloroethane	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,2-Dibromo-3-chloropropane	8260			50 (c)	25 U	25 U	5.0 U	25 U	25 U	25 UJ
1,2,3-Trichloropropane	8260			10 (c)	15 U	15 U	3.0 U	15 U	15 U	15 UJ
trans-1,4-Dichloro-2-butene	8260			50 (c)	25 U	25 U	5.0 U	25 U	25 U	25 UJ
1,3,5-Trimethylbenzene	8260			10 (c)	5.7	7.0	7.0	6.2	17	5.0 UJ
1,2,4-Trimethylbenzene	8260			10 (c)	18	20	20	17	57	8.6 J
Hexachlorobutadiene	8260	50		10	25 U	25 U	5.0 U	25 U	25 U	25 UJ
Ethylene Dibromide	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Bromochloromethane	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
2,2-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,3-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Isopropylbenzene	8260			10 (c)	5.0 U	5.0 U	1.9	5.0 U	5.0 U	5.0 UJ
n-Propylbenzene	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
Bromobenzene	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
2-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
4-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
tert-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
sec-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
4-Isopropyltoluene	8260			10 (c)	5.0 U	5.0 U	3.2	5.0 U	5.0 U	5.0 UJ
n-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 UJ
1,2,4-Trichlorobenzene	8260	227		10	25 U	25 U	5.0 U	25 U	25 U	25 UJ
Naphthalene	8260	9880		10	2200	2700 J	2100 J	2900	3700	2200
1,2,3-Trichlorobenzene	8260			10 (c)	25 U	25 U	5.0 U	25 U	25 U	25 UJ
VOLATILES-SIM (µg/L)										
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R CP44D 12/20/2000	MW-107R CV96E 3/14/2001	MW-109 Dup of MW-107R CV96G 3/14/2001	MW-107R DH51H 6/22/2001	MW-107R DQ61E 9/26/2001	MW-107R DY69G 12/19/2001
DISSOLVED METALS (µg/L)										
Antimony	200.8	4300		10	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	200.8	4	35	4	6	7	8	8	8	7 J
Beryllium	200.8	2		2	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	200.8	8		2	1 U	1 U	1 U	1 U	1 U	1 U
Chromium	200.8	50		50	2 U	6	5	10	12	3
Copper	200.8	10		10	2 U	3	2 U	2 U	2 U	2 U
Lead	200.8	10		10	5 U	5 U	5 U	5 U	5 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	200.8	10		10	2 U	2 U	2 U	2 U	2 U	2 U
Selenium	200.8	71		20	5	4	4	4	4	5 J
Silver	200.8	2		2	2 U	2 U	2 U	2 U	2 U	2 U
Zinc	200.8	77		20	20 U	20 U	20 U	20 U	20 U	20 U
Cyanide (µg/L)										
Total Cyanide	335.2	50		50	5 U	5 U	5 U	5 U	5	9
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	5 U	5 U	5 U	5 U
CONVENTIONALS										
Total Dissolved Solids (µg/L)	160.1				1700000	1900000 J	1800000 J	1900000 J	1300000 J	1700000
Total Suspended Solids (µg/L)	160.2				59000	56000	53000	65000 J	63000	53000 J
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	NA	350	NA	NA
pH	Field				6.29	8.22	8.24	6.84	7.31	6.79
Specific Conductance (µmhos)	Field				3423	4350	4350	3550	2900	3710
Temperature (°C)	Field				13.2	12.3	12.3	13.6	14.6	12.4

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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R CP44D 12/20/2000	MW-107R CV96E 3/14/2001	MW-109 Dup of MW-107R CV96G 3/14/2001	MW-107R DH51H 6/22/2001	MW-107R DQ61E 9/26/2001	MW-107R DY69G 12/19/2001
MAJOR IONS										
Calcium	6010				NA	NA	NA	39600	NA	NA
Magnesium	6010				NA	NA	NA	51800	NA	NA
Potassium	6010				NA	NA	NA	22000	NA	NA
Sodium	6010				NA	NA	NA	629000	NA	NA
Alkalinity (µg/L CaCO3)	2320				NA	NA	NA	1000000	NA	NA
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	1000 U	NA	NA
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	1000000	NA	NA
Bromide (µg/L)	4500Br-B				NA	NA	NA	50000 U	NA	NA
Fluoride (µg/L)	340.2				NA	NA	NA	200	NA	NA
Chloride (µg/L)	325.2				NA	NA	NA	520000	NA	NA
N-Nitrate (µg-N/L)	Calculated				NA	NA	NA	10 U	NA	NA
N-Nitrite (µg-N/L)	354.1				NA	NA	NA	10 U	NA	NA
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	NA	10 U	NA	NA
Sulfate (µg/L)	375.2				NA	NA	NA	10000	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R EE79E 3/20/2002	MW-107R EM41F 6/19/2002	MW-107R FP47E/N 06/25/03
TPH (µg/L)							
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	1200	1000	1400
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	1200	1700	2500
PAH (µg/L)							
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
Chrysene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.010 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA (*)
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA (*)
Acenaphthylene	8270-SIM			1.0	NA	NA	0.30 J
Anthracene	8270-SIM	25900		1.0	NA	NA	NA (*)
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	0.010 U
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	0.49
Fluorene	8270-SIM	2422		1.0	NA	NA	NA (*)
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA (*)
Phenanthrene	8270-SIM			1.0	NA	NA	NA (*)
Pyrene	8270-SIM	777		1.0	NA	NA	0.44
SEMIVOLATILES (µg/L)							
Phenol	8270	1100000		10	2.0 U	2.0 U	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	50 U	50 U	50 U

TABLE 2-3
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R EE79E 3/20/2002	MW-107R EM41F 6/19/2002	MW-107R FP47E/N 06/25/03
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			2200 J	1000	1400 J
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				150	77	220
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				1.0 U	1.0 U	NA
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		63	43	76
2,4-Dinitrophenol	8270	3460		50	25 U	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 U
Dibenzofuran	8270			10	4.2	3.1	6.3
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			17	13	27
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	15 U	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				14	8.8	18
Carbazole	8270			10	11	5.2	14
Anthracene	8270	25900			1.0	1.0 U	1.4
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			1.0 U	1.0 U	NA
Pyrene	8270	777		10	1.0 U	1.0 U	NA
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	4.0 U	4.0 U	4.5
Chrysene	8270				NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R EE79E 3/20/2002	MW-107R EM41F 6/19/2002	MW-107R FP47E/N 06/25/03
Di-n-Octyl phthalate	8270			10	2.0 U	2.0 U	1.0 U
Benzo(a)pyrene	8270				NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	NA
VOLATILES (µg/L)							
Chloromethane	8260	133		10	5.0 U	5.0 U	5.0 U
Bromomethane	8260	968		10 (c)	5.0 U	5.0 U	5.0 U
Vinyl Chloride	8260	10		10	5.0 U	5.0 U	5.0 U
Chloroethane	8260			10	5.0 U	5.0 U	5.0 U
Methylene Chloride	8260	960		5	10 U	10 U	10 U
Acetone	8260			10	25 U	25 U	25 U
Carbon Disulfide	8260			10	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	8260	5		5	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	8260			5	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	8260	32800		5	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	8260			5	5.0 U	5.0 U	5.0 U
Chloroform	8260	470		5	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	8260	99		5	5.0 U	5.0 U	5.0 U
2-Butanone	8260			50 (c)	25 U	25 U	25 U
1,1,1-Trichloroethane	8260	41700		5	5.0 U	5.0 U	5.0 U
Carbon Tetrachloride	8260	5		5	5.0 U	5.0 U	5.0 U
Vinyl Acetate	8260			50	25 U	25 U	25 U
Bromodichloromethane	8260	28		5	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	8260	23		5	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	5.0 U
Trichloroethene	8260	81		5	5.0 U	5.0 U	5.0 U
Dibromochloromethane	8260	21		10 (c)	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	8260	42		5	5.0 U	5.0 U	5.0 U
Benzene	8260	71	233	5	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	8260	19		5	5.0 U	5.0 U	5.0 U
2-Chloroethylvinylether	8260			10	25 U	25 U	25 U
Bromoform	8260	360		5	5.0 U	5.0 U	5.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	25 U	25 U	25 U
2-Hexanone	8260			50	25 U	25 U	25 U
Tetrachloroethene	8260	8.9		5	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	5.0 U	5.0 U	5.0 U
Toluene	8260	485		5	5.0 U	5.0 U	9.0
Chlorobenzene	8260	5030		5	5.0 U	5.0 U	5.0 U
Ethylbenzene	8260	276		5	33	32	72
Styrene	8260			5	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	8260			10 (c)	5.0 U	5.0 U	5.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	10 U	10 U	10 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R EE79E 3/20/2002	MW-107R EM41F 6/19/2002	MW-107R FP47E/N 06/25/03
m,p-Xylene	8260			5 (d)	23	23	45
o-Xylene	8260			5 (d)	15	13	30
1,2-Dichlorobenzene	8260	4200		10	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	8260	2600		10	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	8260	10		10	5.0 U	5.0 U	5.0 U
Acrolein	8260	780		500 (c)	250 U	250 U	250 U
Methyl Iodide	8260			10 (c)	5.0 U	5.0 U	5.0 U
Bromoethane	8260			10 (c)	10 U	10 U	10 U
Acrylonitrile	8260	5		5	5.0 U	5.0 U	5.0 U
1,1-Dichloropropene	8260			10 (c)	5.0 U	5.0 U	5.0 U
Dibromomethane	8260			10 (c)	5.0 U	5.0 U	5.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	25 U	25 U	25 U
1,2,3-Trichloropropane	8260			10 (c)	15 U	15 U	15 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	25 U	25 U	25 U
1,3,5-Trimethylbenzene	8260			10 (c)	5.5	7.4 J	8.8
1,2,4-Trimethylbenzene	8260			10 (c)	14	11	30
Hexachlorobutadiene	8260	50		10	25 U	25 U	25 U
Ethylene Dibromide	8260			10 (c)	5.0 U	5.0 U	5.0 U
Bromochloromethane	8260			10 (c)	5.0 U	5.0 U	5.0 U
2,2-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	5.0 U
1,3-Dichloropropane	8260			10 (c)	5.0 U	5.0 U	5.0 U
Isopropylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U
n-Propylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U
Bromobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U
2-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U
4-Chlorotoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U
tert-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U
sec-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U
4-Isopropyltoluene	8260			10 (c)	5.0 U	5.0 U	5.0 U
n-Butylbenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	8260	227		10	25 U	25 U	25 U
Naphthalene	8260	9880		10	2500 J	2500	4800
1,2,3-Trichlorobenzene	8260			10 (c)	25 U	25 U	25 U
VOLATILES-SIM (µg/L)							
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R EE79E 3/20/2002	MW-107R EM41F 6/19/2002	MW-107R FP47E/N 06/25/03
DISSOLVED METALS (µg/L)							
Antimony	200.8	4300		10	1 U	0.2 U	1 U
Arsenic	200.8	4	35	4	7	5	3
Beryllium	200.8	2		2	1 U	0.5 U	1 U
Cadmium	200.8	8		2	1 U	0.2 U	1 U
Chromium	200.8	50		50	14	2 U	9
Copper	200.8	10		10	2 U	1 U	2 U
Lead	200.8	10		10	5 U	2 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.10 U
Nickel	200.8	10		10	2 U	2.1 J	2 U
Selenium	200.8	71		20	5	5 U	10 U
Silver	200.8	2		2	5 U	0.5 U	2 U
Zinc	200.8	77		20	20 U	4 U	20 U
Cyanide (µg/L)							
Total Cyanide	335.2	50		50	5 U	5	7
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	5 U
CONVENTIONALS							
Total Dissolved Solids (µg/L)	160.1				1500000	1800000	1500000
Total Suspended Solids (µg/L)	160.2				46000	48000	53000
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	NA
pH	Field				6.85	6.90	6.94
Specific Conductance (µmhos)	Field				2780	3303	2630
Temperature (°C)	Field				11.9	13.0	14.0

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-107R EE79E 3/20/2002	MW-107R EM41F 6/19/2002	MW-107R FP47E/N 06/25/03
MAJOR IONS							
Calcium	6010				NA	NA	35700
Magnesium	6010				NA	NA	45500
Potassium	6010				NA	NA	19800
Sodium	6010				NA	NA	530000
Alkalinity (µg/L CaCO3)	2320				NA	NA	880000
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	1000 U
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	880000
Bromide (µg/L)	4500Br-B				NA	NA	5000 U
Fluoride (µg/L)	340.2				NA	NA	300
Chloride (µg/L)	325.2				NA	NA	500000
N-Nitrate (µg-N/L)	Calculated				NA	NA	10 U
N-Nitrite (µg-N/L)	354.1				NA	NA	10 U
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	10 U
Sulfate (µg/L)	375.2				NA	NA	12000 J

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-108R CP44G 12/20/2000	MW-108R CV96F 3/14/2001	MW-108R DH51A 6/22/2001	MW-108R DQ61F 9/26/2001
TPH (µg/L)								
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	250 U	250 U	250 U	250 U
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	250 U	250 U	250 UJ	250 J
PAH (µg/L)								
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.06 J	0.10 U	0.10 U	0.10 U
Chrysene	8270-SIM	1.0		1.0	0.04 J	0.10 U	0.10 U	0.10 U
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA	NA
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA	NA
Acenaphthylene	8270-SIM			1.0	NA	NA	NA	NA
Anthracene	8270-SIM	25900		1.0	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	NA	NA
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	NA	NA
Fluorene	8270-SIM	2422		1.0	NA	NA	NA	NA
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA	NA
Phenanthrene	8270-SIM			1.0	NA	NA	NA	NA
Pyrene	8270-SIM	777		1.0	NA	NA	NA	NA
SEMIVOLATILES (µg/L)								
Phenol	8270	1100000		10	2.0 U	2.0 U	2.0 U	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 UJ	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	2.0 U	2.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	10 U	10 U	10 U	50 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-108R CP44G 12/20/2000	MW-108R CV96F 3/14/2001	MW-108R DH51A 6/22/2001	MW-108R DQ61F 9/26/2001
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			53	19	30	22 J
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				9.4	4.0	5.4	3.9
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				1.0 U	1.0 U	1.0 U	1.0 U
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		6.8	2.5	3.8 J	2.6
2,4-Dinitrophenol	8270	3460		50	10 U	10 U	10 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 UJ	5.0 U
Dibenzofuran	8270			10	1.0 U	1.0 U	1.0 U	1.0 U
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			2.1	1.1	1.1	1.0
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	10 U	10 U	10 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				2.3	2.1	1.7	1.8
Carbazole	8270			10	1.0 U	1.0 U	1.0 U	1.0 U
Anthracene	8270	25900			1.0 U	1.0 U	1.0 U	1.0 U
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	8270	777		10	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	1.5	1.0 U	1.0 U	4.0 U
Chrysene	8270				NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-108R CP44G 12/20/2000	MW-108R CV96F 3/14/2001	MW-108R DH51A 6/22/2001	MW-108R DQ61F 9/26/2001
Di-n-Octyl phthalate	8270			10	1.0 U	1.0 U	1.0 U	2.0 U
Benzo(a)pyrene	8270				NA	NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	1.0 U	1.0 U
VOLATILES (µg/L)								
Chloromethane	8260	133		10	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	8260	968		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	8260			10	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	8260	960		5	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	8260			10	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	8260			10	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	8260			5	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	8260	32800		5	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	8260	470		5	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	8260	99		5	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	8260	41700		5	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Acetate	8260			50	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	8260	28		5	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	8260	23		5	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	8260	81		5	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	8260	21		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	8260	42		5	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	8260	71	233	5	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	8260			10	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	8260	360		5	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	8260			50	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	8260	8.9		5	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	8260	485		5	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	8260	5030		5	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	8260	276		5	1.4	1.0 U	1.0 U	1.0 U
Styrene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-108R CP44G 12/20/2000	MW-108R CV96F 3/14/2001	MW-108R DH51A 6/22/2001	MW-108R DQ61F 9/26/2001
m,p-Xylene	8260			5 (d)	0.6 J	1.0 U	1.0 U	1.0 U
o-Xylene	8260			5 (d)	0.5 J	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	8260	4200		10	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8260	2600		10	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U
Acrolein	8260	780		500 (c)	50 U	50 U	50 U	50 U
Methyl Iodide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Bromoethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U
Acrylonitrile	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Dibromomethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	8260			10 (c)	3.0 U	3.0 U	3.0 U	3.0 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene	8260	50		10	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
2,2-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
n-Propylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
Bromobenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
tert-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
sec-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
4-Isopropyltoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
n-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	8260	227		10	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	8260	9880		10	46	28 J	21	28
1,2,3-Trichlorobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U
VOLATILES-SIM (µg/L)								
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-108R CP44G 12/20/2000	MW-108R CV96F 3/14/2001	MW-108R DH51A 6/22/2001	MW-108R DQ61F 9/26/2001
DISSOLVED METALS (µg/L)								
Antimony	200.8	4300		10	4 U	1 U	1 U	1 U
Arsenic	200.8	4	35	4	15	4	6	4
Beryllium	200.8	2		2	4 U	1 U	1 U	1 U
Cadmium	200.8	8		2	4 U	1 U	1 U	1 U
Chromium	200.8	50		50	30	9	16	30
Copper	200.8	10		10	10 U	2 U	2 U	2 U
Lead	200.8	10		10	20 U	5 U	5 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.1 U	0.1 U
Nickel	200.8	10		10	10 U	4	4	4
Selenium	200.8	71		20	60	10	20	10
Silver	200.8	2		2	10 U	2 U	2 U	2 U
Zinc	200.8	77		20	80 U	20 U	20 U	20 U
Cyanide (µg/L)								
Total Cyanide	335.2	50		50	5 U	5 U	5 U	5 U
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	5 U	5 U
CONVENTIONALS								
Total Dissolved Solids (µg/L)	160.1				9800000	11000000 J	11000000 J	11000000 J
Total Suspended Solids (µg/L)	160.2				84000	88000	130000 J	99000
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	240	NA
pH	Field				6.67	7.12	6.72	7.39
Specific Conductance (µmhos)	Field				19350	19675	18925	18800
Temperature (°C)	Field				14.5	13.2	15.0	16.2

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-108R CP44G 12/20/2000	MW-108R CV96F 3/14/2001	MW-108R DH51A 6/22/2001	MW-108R DQ61F 9/26/2001
MAJOR IONS								
Calcium	6010				NA	NA	147000	NA
Magnesium	6010				NA	NA	348000	NA
Potassium	6010				NA	NA	160000	NA
Sodium	6010				NA	NA	2990000	NA
Alkalinity (µg/L CaCO3)	2320				NA	NA	2900000	NA
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	1000 U	NA
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	2900000	NA
Bromide (µg/L)	4500Br-B				NA	NA	50000 U	NA
Fluoride (µg/L)	340.2				NA	NA	500	NA
Chloride (µg/L)	325.2				NA	NA	5400000	NA
N-Nitrate (µg-N/L)	Calculated				NA	NA	10 U	NA
N-Nitrite (µg-N/L)	354.1				NA	NA	10 U	NA
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	10 U	NA
Sulfate (µg/L)	375.2				NA	NA	38000	NA

TABLE 2-3
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12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-108R DY69H 12/19/2001	MW-109R Dup of MW108R DY69I 12/19/2001	MW-108R EE79F 3/20/2002	MW-108R EM41G 6/19/2002	MW-108R FP47I/R 06/25/03
TPH (µg/L)									
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671	400 (b)	250 U	250 U	250 U	330	250 U
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (b)	500 U	500 U	500 U	500 U	500 U
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581	600 (b)	250 UJ	250 UJ	250 U	250 UJ	250 U
PAH (µg/L)									
Benzo(a)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.030
Chrysene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.020
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.010 U
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.010 U
Benzo(a)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.010 U
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.010 U
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	0.10 U	0.10 U	0.10 U	0.10 U	0.010 U
2-Methylnaphthalene	8270-SIM			1.0	NA	NA	NA	NA	NA (*)
Acenaphthene	8270-SIM	225	454	1.0	NA	NA	NA	NA	NA (*)
Acenaphthylene	8270-SIM			1.0	NA	NA	NA	NA	0.040
Anthracene	8270-SIM	25900		1.0	NA	NA	NA	NA	0.22
Benzo(g,h,i)perylene	8270-SIM			1.0	NA	NA	NA	NA	0.010 U
Fluoranthene	8270-SIM	27.1		1.0	NA	NA	NA	NA	0.16
Fluorene	8270-SIM	2422		1.0	NA	NA	NA	NA	NA (*)
Naphthalene	8270-SIM	9880		1.0	NA	NA	NA	NA	NA (*)
Phenanthrene	8270-SIM			1.0	NA	NA	NA	NA	NA (*)
Pyrene	8270-SIM	777		1.0	NA	NA	NA	NA	0.21
SEMIVOLATILES (µg/L)									
Phenol	8270	1100000		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bis-(2-Chloroethyl) Ether	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chlorophenol	8270	96.7		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8270	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzyl Alcohol	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	8270	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2'-Oxybis(1-Chloropropane)	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methylphenol	8270			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-Di-N-Propylamine	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Hexachloroethane	8270	10		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Nitrobenzene	8270	449		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isophorone	8270	600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitrophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	8270	553		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Benzoic Acid	8270			10	50 U	50 U	50 U	50 U	50 U

TABLE 2-3
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12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-108R DY69H 12/19/2001	MW-109R Dup of MW108R DY69I 12/19/2001	MW-108R EE79F 3/20/2002	MW-108R EM41G 6/19/2002	MW-108R FP47I/R 06/25/03
bis(2-Chloroethoxy) Methane	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4-Dichlorophenol	8270	191		10	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2,4-Trichlorobenzene	8270	227		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	8270	9880			31 J	20 J	27 J	49	33 J
4-Chloroaniline	8270			20	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Hexachlorobutadiene	8270	50		10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	8270			20	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	8270				4.7	3.7	5.0	7.9	6.2
Hexachlorocyclopentadiene	8270	4180		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	8270			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	8270	72000		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acenaphthylene	8270				1.0 U	1.0 U	1.0 U	1.0 U	NA
3-Nitroaniline	8270			50	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Acenaphthene	8270	225	454		3.0 J	2.3 J	3.0	4.6	3.3
2,4-Dinitrophenol	8270	3460		50	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol	8270			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenzofuran	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,6-Dinitrotoluene	8270			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	8270	10		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethylphthalate	8270	28400		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluorene	8270	2422			1.1	1.0 U	1.0	1.4	1.1
4-Nitroaniline	8270			20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-Methylphenol	8270			50 (c)	15 U	15 U	15 U	15 U	15 U
N-Nitrosodiphenylamine	8270	16		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Bromophenyl-phenylether	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobenzene	8270	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	8270	50		50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	8270				2.0	1.7	1.6	1.7	1.5
Carbazole	8270			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Anthracene	8270	25900			1.0 U	1.0 U	1.0 U	1.0 U	NA
Di-n-Butylphthalate	8270	2910		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	8270	27.1			1.0 U	1.0 U	1.0 U	1.0 U	NA
Pyrene	8270	777		10	1.0 U	1.0 U	1.0 U	1.0 U	NA
Butylbenzylphthalate	8270	1250		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3,3'-Dichlorobenzidine	8270	20		20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	8270				NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	8270	10		10	4.0 U	4.0 U	4.0 U	4.0 U	1.0 U
Chrysene	8270				NA	NA	NA	NA	NA

TABLE 2-3
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UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-108R DY69H 12/19/2001	MW-109R Dup of MW108R DY69I 12/19/2001	MW-108R EE79F 3/20/2002	MW-108R EM41G 6/19/2002	MW-108R FP47I/R 06/25/03
Di-n-Octyl phthalate	8270			10	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Benzo(a)pyrene	8270				NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	8270				1.0 U	1.0 U	1.0 U	1.0 U	NA
VOLATILES (µg/L)									
Chloromethane	8260	133		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	8260	968		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	8260			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	8260	960		5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	8260			10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	8260	32800		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	8260	470		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	8260	99		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	8260	41700		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Acetate	8260			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	8260	28		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	8260	23		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	8260	81		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	8260	21		10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	8260	42		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	8260	71	233	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	8260	19		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	8260			10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	8260	360		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone (MIBK)	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	8260			50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	8260	8.9		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	8260	6.5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	8260	485		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	8260	5030		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	8260	276		5	1.0 U	1.0 U	1.0 U	1.0 U	2.5
Styrene	8260			5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichlorotrifluoroethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2-3
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UNION STATION

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m,p-Xylene	8260			5 (d)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	8260			5 (d)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	8260	4200		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	8260	2600		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	8260	10		10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acrolein	8260	780		500 (c)	50 U	50 U	50 U	50 U	50 U
Methyl Iodide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoethane	8260			10 (c)	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acrylonitrile	8260	5		5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromomethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1,2-Tetrachloroethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	8260			10 (c)	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
trans-1,4-Dichloro-2-butene	8260			50 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene	8260	50		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylene Dibromide	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropane	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
n-Propylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromobenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
tert-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
sec-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Isopropyltoluene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
n-Butylbenzene	8260			10 (c)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	8260	227		10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	8260	9880		10	38	36	30 J	55	110
1,2,3-Trichlorobenzene	8260			10 (c)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
VOLATILES-SIM (µg/L)									
Vinyl Chloride	SW8260-SIM	10		10	NA	NA	NA	NA	NA
1,1-Dichloroethene	SW8260-SIM	5		5	NA	NA	NA	NA	NA
Carbon Tetrachloride	SW8260-SIM	5		5	NA	NA	NA	NA	NA
Tetrachloroethene	SW8260-SIM	8.9		5	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	SW8260-SIM	6.5		5	NA	NA	NA	NA	NA
Acrylonitrile	SW8260-SIM	5		5	NA	NA	NA	NA	NA

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-108R DY69H 12/19/2001	MW-109R Dup of MW108R DY69I 12/19/2001	MW-108R EE79F 3/20/2002	MW-108R EM41G 6/19/2002	MW-108R FP47I/R 06/25/03
DISSOLVED METALS (µg/L)									
Antimony	200.8	4300		10	1 U	1 U	1 U	0.3	1 U
Arsenic	200.8	4	35	4	9 J	14 J	6	5	2 U
Beryllium	200.8	2		2	1 U	1 U	1 U	0.5 U	1 U
Cadmium	200.8	8		2	1 U	1 U	1 U	0.2 U	1 U
Chromium	200.8	50		50	12	11	46	2 U	12
Copper	200.8	10		10	2 U	2 U	2 U	2	2 U
Lead	200.8	10		10	5 U	5 U	5 U	2 U	5 U
Mercury	7470	1		1	0.1 U	0.1 U	0.1 U	0.1 U	0.10 U
Nickel	200.8	10		10	4	4	4	5.2 J	5
Selenium	200.8	71		20	30 J	43 J	30	20	10 U
Silver	200.8	2		2	2 U	2 U	2 U	0.5 U	2 U
Zinc	200.8	77		20	20 U	20 U	20 U	4 U	20 U
Cyanide (µg/L)									
Total Cyanide	335.2	50		50	6	5 U	5 U	5	11
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	5 U	5 U	5 U	5 U	5 U
CONVENTIONALS									
Total Dissolved Solids (µg/L)	160.1				9900000	9800000	10000000	10000000	11000000
Total Suspended Solids (µg/L)	160.2				130000 J	94000 J	87000	84000	86000
Ortho-Phosphorous (µg-P/L)	365.2				NA	NA	NA	NA	NA
pH	Field				6.76	6.77	6.72	6.73	6.71
Specific Conductance (µmhos)	Field				19300	19300	1800	2548	21100
Temperature (°C)	Field				13.6	13.4	13.1	14.4	15.2

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (µg/L)	Background-based Screening Level (a) (µg/L)	Practical Quantitation Limits (µg/L)	MW-108R DY69H 12/19/2001	MW-109R Dup of MW108R DY69I 12/19/2001	MW-108R EE79F 3/20/2002	MW-108R EM41G 6/19/2002	MW-108R FP47I/R 06/25/03
MAJOR IONS									
Calcium	6010				NA	NA	NA	NA	143000
Magnesium	6010				NA	NA	NA	NA	366000
Potassium	6010				NA	NA	NA	NA	160000
Sodium	6010				NA	NA	NA	NA	3100000
Alkalinity (µg/L CaCO3)	2320				NA	NA	NA	NA	3100000
Carbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	NA	1000 U
Bicarbonate (Alkalinity) (µg/L CaCO3)	2320				NA	NA	NA	NA	3100000
Bromide (µg/L)	4500Br-B				NA	NA	NA	NA	1900
Fluoride (µg/L)	340.2				NA	NA	NA	NA	700
Chloride (µg/L)	325.2				NA	NA	NA	NA	4900000
N-Nitrate (µg-N/L)	Calculated				NA	NA	NA	NA	10 U
N-Nitrite (µg-N/L)	354.1				NA	NA	NA	NA	10 U
Nitrate+Nitrite (NO2+NO3) (µg-N/L)	353.2				NA	NA	NA	NA	10 U
Sulfate (µg/L)	375.2				NA	NA	NA	NA	27000 J

TABLE 2-3
SUMMARY OF GROUNDWATER ANALYTICAL DATA
12/00 TO 06/03
UNION STATION

NA = Not analyzed for this constituent.

(*) = Samples were not analyzed by 8270 SIM because concentrations were detected for this sample using method 8270.

NM = Not measured.

U = Indicates the compound was undetected at the listed concentration

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

M = Indicates an estimated value of analyte detected and confirmed by analyst with low spectral match parameters.

R = The sample results were rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

(a) Screening level is based on the 90th percentile of the background data obtained from well B4 or B6/B6R. The 90th percentile was calculated using MTCA stat Background Module V2.0.

(b) PQL calculated from method detection limit.

(c) PQL based on method reporting limit and PQLs of similar compounds.

(d) PQL identified for total xylenes in CAP.

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW101R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
TPH (µg/L)															
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671 (g)	400 (h)	8	8	0	0	1	3771 (l)	2400	4200	3325	550	3350
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (h)	8	0	8	100	0	NC	--	--	--	--	--
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581 (g)	600 (h)	8	8	0	0	1	6346 (l)	4800	6700	5863	635	6050
CPAH (µg/L)															
Benzo(a)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Chrysene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(a)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
SEMIVOLATILES (µg/L)															
Phenol	8270	1100000		10	8	0	8	100	0	NC	--	--	--	--	--
Bis-(2-Chloroethyl) Ether	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorophenol	8270	96.7		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8270	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzyl Alcohol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichlorobenzene	8270	4200		10	8	0	8	100	0	NC	--	--	--	--	--
2-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2'-Oxybis(1-Chloropropane)	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitroso-Di-N-Propylamine	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Hexachloroethane	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Nitrobenzene	8270	449		10	8	0	8	100	0	NC	--	--	--	--	--
Isophorone	8270	600		10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitrophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dimethylphenol	8270	553		10	8	0	8	100	0	NC	--	--	--	--	--
Benzoic Acid	8270			10	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Chloroethoxy) Methane	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dichlorophenol	8270	191		10	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8270	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8270	9880		10	8	8	0	0	1	4,006 (l)	2000	4900	3225	894	3150
4-Chloroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobutadiene	8270	50		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chloro-3-methylphenol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
2-Methylnaphthalene	8270			10	8	8	0	0	1	628 (l)	350	700	536	105	550
Hexachlorocyclopentadiene	8270	4180		20	8	0	8	100	0	NC	--	--	--	--	--
2,4,6-Trichlorophenol	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2,4,5-Trichlorophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Chloronaphthalene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW101R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
Dimethylphthalate	8270	72000		10	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--
3-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthene	8270	225	454 (g)	10	8	8	0	0	1	350 (j)	240	350	313	36	330
2,4-Dinitrophenol	8270	3460		50	8	0	8	100	0	NC	--	--	--	--	--
4-Nitrophenol	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Dibenzofuran	8270			10	8	8	0	0	1	25 (l)	17	30	22	4	21
2,6-Dinitrotoluene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dinitrotoluene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Diethylphthalate	8270	28400		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Fluorene	8270	2422		10	8	8	0	0	1	84.5 (l)	58	95	76	11	77
4-Nitroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	8270			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitrosodiphenylamine	8270	16		10	8	0	8	100	0	NC	--	--	--	--	--
4-Bromophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Pentachlorophenol	8270	50		50	8	0	8	100	0	NC	--	--	--	--	--
Phenanthrene	8270			10	8	8	0	0	1	85 (l)	59	97	75	14	74
Carbazole	8270			10	8	8	0	0	1	26 (j)	18	26	22	3	20
Anthracene	8270	25900		10	8	0	8	100	0	NC	--	--	--	--	--
Di-n-Butylphthalate	8270	2910		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Fluoranthene	8270	27.1		10	8	0	8	100	0	NC	--	--	--	--	--
Pyrene	8270	777		10	8	0	8	100	0	NC	--	--	--	--	--
Butylbenzylphthalate	8270	1250		10	8	0	8	100	0	NC	--	--	--	--	--
3,3'-Dichlorobenzidine	8270	20		20	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzo(g,h,i)perylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW101R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
VOLATILES (µg/L)															
Methylene Chloride	8260	960		5	8	0	8	100	0	NC	--	--	--	--	--
Acetone	8260			10	8	0	8	100	0	NC	--	--	--	--	--
Carbon Disulfide	8260			10	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethene	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethane	8260			5	8	0	8	100	0	NC	--	--	--	--	--
trans-1,2-Dichloroethene	8260	32800		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,2-Dichloroethene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Chloroform	8260	470		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloroethane	8260	99		5	8	0	8	100	0	NC	--	--	--	--	--
2-Butanone	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,1-Trichloroethane	8260	41700		5	8	0	8	100	0	NC	--	--	--	--	--
Carbon Tetrachloride	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
Vinyl Acetate	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Bromodichloromethane	8260	28		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloropropane	8260	23		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
Trichloroethene	8260	81		5	8	0	8	100	0	NC	--	--	--	--	--
Dibromochloromethane	8260	21		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichloroethane	8260	42		5	8	0	8	100	0	NC	--	--	--	--	--
Benzene	8260	71	233 (g)	5	8	8	0	0	1	82 (l)	48	89	70	14	71
trans-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
2-Chloroethylvinylether	8260			10	8	0	8	100	0	NC	--	--	--	--	--
Bromoform	8260	360		5	8	0	8	100	0	NC	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Hexanone	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Tetrachloroethene	8260	8.9		5	8	0	8	100	0	NC	--	--	--	--	--
1,1,2,2-Tetrachloroethane	8260	6.5		5	8	0	8	100	0	NC	--	--	--	--	--
Toluene	8260	485		5	8	6	2	25	2	16 (l)	6	18	11	5	10
Chlorobenzene	8260	5030		5	8	0	8	100	0	NC	--	--	--	--	--
Ethylbenzene	8260	276		5	8	8	0	0	1	263 (l)	130	300	226	55	250
Styrene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Trichlorofluoromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
m,p-Xylene	8260			5 (n)	8	8	0	0	1	92 (j)	45	92	66	20	62
o-Xylene	8260			5 (n)	8	8	0	0	1	40 (l)	17	42	30	10	32
1,2-Dichlorobenzene	8260	4200		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8260	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8260	10		10	8	0	8	100	0	NC	--	--	--	--	--
Acrolein	8260	780		500 (k)	8	0	8	100	0	NC	--	--	--	--	--
Methyl Iodide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromoethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Acrylonitrile	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloropropene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Dibromomethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW101R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
1,1,1,2-Tetrachloroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dibromo-3-chloropropane	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,3-Trichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
trans-1,4-Dichloro-2-butene	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3,5-Trimethylbenzene	8260			10 (k)	8	8	0	0	1	23 (l)	11	28	19	6	19
1,2,4-Trimethylbenzene	8260			10 (k)	8	8	0	0	1	40 (j)	25	40	34	6	34
Hexachlorobutadiene	8260	50		10	8	0	8	100	0	NC	--	--	--	--	--
Ethylene Dibromide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromochloromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Isopropylbenzene	8260			10 (k)	8	3	5	63	3	11 (m)	11	10	10.7	0.6	11
n-Propylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
tert-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
sec-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Isopropyltoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
n-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8260	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8260	9880		10	8	8	0	0	1	7,146 (l)	3700	7800	6000	1250	6050
1,2,3-Trichlorobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
DISSOLVED METALS (µg/L)															
Antimony	200.8	4300		10	8	0	8	100	0	NC	--	--	--	--	--
Arsenic	200.8	4	35 (g)	4	8	8	0	0	1	13 (l)	10	14	12	1	12
Beryllium	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Cadmium	200.8	8		2	8	0	8	100	0	NC	--	--	--	--	--
Chromium	200.8	50		50	8	0	8	100	0	NC	--	--	--	--	--
Copper	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Lead	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Mercury	7470	1		1	8	0	8	100	0	NC	--	--	--	--	--
Nickel	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Selenium	200.8	71		20	8	0	8	100	0	NC	--	--	--	--	--
Silver	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Zinc	200.8	77		20	8	0	8	100	0	NC	--	--	--	--	--
Cyanide (µg/L)															
Total Cyanide	335.2	50		50	8	0	8	100	0	NC	--	--	--	--	--
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW102R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
TPH (µg/L)															
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671 (g)	400 (h)	8	2	6	75	3	400 (m)	400	400	--	--	--
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (h)	8	0	8	100	0	NC	--	--	--	--	--
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581 (g)	600 (h)	8	0	8	100	0	NC	--	--	--	--	--
CPAH (µg/L)															
Benzo(a)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Chrysene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(a)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
SEMIVOLATILES (µg/L)															
Phenol	8270	1100000		10	8	0	8	100	0	NC	--	--	--	--	--
Bis-(2-Chloroethyl) Ether	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorophenol	8270	96.7		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8270	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzyl Alcohol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichlorobenzene	8270	4200		10	8	0	8	100	0	NC	--	--	--	--	--
2-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2'-Oxybis(1-Chloropropane)	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitroso-Di-N-Propylamine	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Hexachloroethane	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Nitrobenzene	8270	449		10	8	0	8	100	0	NC	--	--	--	--	--
Isophorone	8270	600		10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitrophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dimethylphenol	8270	553		10	8	0	8	100	0	NC	--	--	--	--	--
Benzoic Acid	8270			10	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Chloroethoxy) Methane	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dichlorophenol	8270	191		10	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8270	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8270	9880		10	7	2	5	71	3	22 (m)	12	22	17	7	17
4-Chloroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobutadiene	8270	50		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chloro-3-methylphenol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
2-Methylnaphthalene	8270			10	7	0	8	100	0	NC	--	--	--	--	--
Hexachlorocyclopentadiene	8270	4180		20	8	0	8	100	0	NC	--	--	--	--	--
2,4,6-Trichlorophenol	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2,4,5-Trichlorophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Chloronaphthalene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW102R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
Dimethylphthalate	8270	72000		10	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--
3-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthene	8270	225	454 (g)	10	8	8	0	0	1	15 (l)	11	17	13	2	13
2,4-Dinitrophenol	8270	3460		50	8	0	8	100	0	NC	--	--	--	--	--
4-Nitrophenol	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Dibenzofuran	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,6-Dinitrotoluene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dinitrotoluene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Diethylphthalate	8270	28400		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Fluorene	8270	2422		10	8	0	8	100	0	NC	--	--	--	--	--
4-Nitroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	8270			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitrosodiphenylamine	8270	16		10	8	0	8	100	0	NC	--	--	--	--	--
4-Bromophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Pentachlorophenol	8270	50		50	8	0	8	100	0	NC	--	--	--	--	--
Phenanthrene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Carbazole	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Anthracene	8270	25900		10	7	0	8	100	0	NC	--	--	--	--	--
Di-n-Butylphthalate	8270	2910		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Fluoranthene	8270	27.1		10	7	0	8	100	0	NC	--	--	--	--	--
Pyrene	8270	777		10	7	0	8	100	0	NC	--	--	--	--	--
Butylbenzylphthalate	8270	1250		10	8	0	8	100	0	NC	--	--	--	--	--
3,3'-Dichlorobenzidine	8270	20		20	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzo(g,h,i)perylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--

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STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW102R
12/00 TO 06/03
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Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
VOLATILES (µg/L)															
Methylene Chloride	8260	960		5	8	0	8	100	0	NC	--	--	--	--	--
Acetone	8260			10	8	1	7	88	3	18 (m)	18	18	--	--	--
Carbon Disulfide	8260			10	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethene	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethane	8260			5	8	0	8	100	0	NC	--	--	--	--	--
trans-1,2-Dichloroethene	8260	32800		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,2-Dichloroethene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Chloroform	8260	470		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloroethane	8260	99		5	8	0	8	100	0	NC	--	--	--	--	--
2-Butanone	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,1-Trichloroethane	8260	41700		5	8	0	8	100	0	NC	--	--	--	--	--
Carbon Tetrachloride	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
Vinyl Acetate	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Bromodichloromethane	8260	28		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloropropane	8260	23		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
Trichloroethene	8260	81		5	8	0	8	100	0	NC	--	--	--	--	--
Dibromochloromethane	8260	21		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichloroethane	8260	42		5	8	0	8	100	0	NC	--	--	--	--	--
Benzene	8260	71	233 (g)	5	8	0	8	100	0	NC	--	--	--	--	--
trans-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
2-Chloroethylvinylether	8260			10	8	0	8	100	0	NC	--	--	--	--	--
Bromoform	8260	360		5	8	0	8	100	0	NC	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Hexanone	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Tetrachloroethene	8260	8.9		5	8	0	8	100	0	NC	--	--	--	--	--
1,1,2,2-Tetrachloroethane	8260	6.5		5	8	0	8	100	0	NC	--	--	--	--	--
Toluene	8260	485		5	8	0	8	100	0	NC	--	--	--	--	--
Chlorobenzene	8260	5030		5	8	0	8	100	0	NC	--	--	--	--	--
Ethylbenzene	8260	276		5	8	0	8	100	0	NC	--	--	--	--	--
Styrene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Trichlorofluoromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
m,p-Xylene	8260			5 (n)	8	0	8	100	0	NC	--	--	--	--	--
o-Xylene	8260			5 (n)	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichlorobenzene	8260	4200		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8260	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8260	10		10	8	0	8	100	0	NC	--	--	--	--	--
Acrolein	8260	780		500 (k)	8	0	8	100	0	NC	--	--	--	--	--
Methyl Iodide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromoethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Acrylonitrile	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloropropene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Dibromomethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--

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UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
1,1,1,2-Tetrachloroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dibromo-3-chloropropane	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,3-Trichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
trans-1,4-Dichloro-2-butene	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3,5-Trimethylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trimethylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobutadiene	8260	50		10	8	0	8	100	0	NC	--	--	--	--	--
Ethylene Dibromide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromochloromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Isopropylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
n-Propylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
tert-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
sec-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Isopropyltoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
n-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8260	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8260	9880		10	8	2	6	75	3	11 (m)	11	11	--	--	--
1,2,3-Trichlorobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
DISSOLVED METALS (µg/L)															
Antimony	200.8	4300		10	8	0	8	100	0	NC	--	--	--	--	--
Arsenic	200.8	4	35 (g)	4	8	6	2	25	2	9.4 (l)	4	11	7	3	7
Beryllium	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Cadmium	200.8	8		2	8	0	8	100	0	NC	--	--	--	--	--
Chromium	200.8	50		50	8	0	8	100	0	NC	--	--	--	--	--
Copper	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Lead	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Mercury	7470	1		1	8	0	8	100	0	NC	--	--	--	--	--
Nickel	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Selenium	200.8	71		20	8	0	8	100	0	NC	--	--	--	--	--
Silver	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Zinc	200.8	77		20	8	0	8	100	0	NC	--	--	--	--	--
Cyanide (µg/L)															
Total Cyanide	335.2	50		50	8	0	8	100	0	NC	--	--	--	--	--
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW104
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
TPH (µg/L)															
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671 (g)	400 (h)	8	5	3	38	2	504	460	560	494	40	480
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (h)	8	0	8	100	0	NC	--	--	--	--	--
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581 (g)	600 (h)	8	0	8	100	0	NC	--	--	--	--	--
CPAH (µg/L)															
Benzo(a)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Chrysene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(a)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
SEMIVOLATILES (µg/L)															
Phenol	8270	1100000		10	8	0	8	100	0	NC	--	--	--	--	--
Bis-(2-Chloroethyl) Ether	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorophenol	8270	96.7		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8270	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzyl Alcohol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichlorobenzene	8270	4200		10	8	0	8	100	0	NC	--	--	--	--	--
2-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2'-Oxybis(1-Chloropropane)	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitroso-Di-N-Propylamine	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Hexachloroethane	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Nitrobenzene	8270	449		10	8	0	8	100	0	NC	--	--	--	--	--
Isophorone	8270	600		10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitrophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dimethylphenol	8270	553		10	8	0	8	100	0	NC	--	--	--	--	--
Benzoic Acid	8270			10	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Chloroethoxy) Methane	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dichlorophenol	8270	191		10	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8270	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8270	9880		10	7	0	8	100	0	NC	--	--	--	--	--
4-Chloroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobutadiene	8270	50		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chloro-3-methylphenol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
2-Methylnaphthalene	8270			10	8	1	7	88	3	24 (m)	24	24	--	--	--
Hexachlorocyclopentadiene	8270	4180		20	8	0	8	100	0	NC	--	--	--	--	--
2,4,6-Trichlorophenol	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2,4,5-Trichlorophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Chloronaphthalene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW104
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
Dimethylphthalate	8270	72000		10	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--
3-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthene	8270	225	454 (g)	10	8	8	0	0	1	57 (l)	40	64	50	9	49
2,4-Dinitrophenol	8270	3460		50	8	0	8	100	0	NC	--	--	--	--	--
4-Nitrophenol	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Dibenzofuran	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,6-Dinitrotoluene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dinitrotoluene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Diethylphthalate	8270	28400		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Fluorene	8270	2422		10	8	6	2	25	2	17 (j)	10	17	12	3	11
4-Nitroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	8270			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitrosodiphenylamine	8270	16		10	8	0	8	100	0	NC	--	--	--	--	--
4-Bromophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Pentachlorophenol	8270	50		50	8	0	8	100	0	NC	--	--	--	--	--
Phenanthrene	8270			10	7	0	8	100	0	NC	--	--	--	--	--
Carbazole	8270			10	8	2	6	75	3	11 (m)	10	11	10.5	0.7	10.5
Anthracene	8270	25900		10	7	0	8	100	0	NC	--	--	--	--	--
Di-n-Butylphthalate	8270	2910		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Fluoranthene	8270	27.1		10	8	0	8	100	0	NC	--	--	--	--	--
Pyrene	8270	777		10	8	0	8	100	0	NC	--	--	--	--	--
Butylbenzylphthalate	8270	1250		10	8	0	8	100	0	NC	--	--	--	--	--
3,3'-Dichlorobenzidine	8270	20		20	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzo(g,h,i)perylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW104
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
VOLATILES (µg/L)															
Methylene Chloride	8260	960		5	8	0	8	100	0	NC	--	--	--	--	--
Acetone	8260			10	8	0	8	100	0	NC	--	--	--	--	--
Carbon Disulfide	8260			10	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethene	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethane	8260			5	8	0	8	100	0	NC	--	--	--	--	--
trans-1,2-Dichloroethene	8260	32800		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,2-Dichloroethene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Chloroform	8260	470		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloroethane	8260	99		5	8	0	8	100	0	NC	--	--	--	--	--
2-Butanone	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,1-Trichloroethane	8260	41700		5	8	0	8	100	0	NC	--	--	--	--	--
Carbon Tetrachloride	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
Vinyl Acetate	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Bromodichloromethane	8260	28		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloropropane	8260	23		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
Trichloroethene	8260	81		5	8	0	8	100	0	NC	--	--	--	--	--
Dibromochloromethane	8260	21		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichloroethane	8260	42		5	8	0	8	100	0	NC	--	--	--	--	--
Benzene	8260	71	233 (g)	5	8	0	8	100	0	NC	--	--	--	--	--
trans-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
2-Chloroethylvinylether	8260			10	8	0	8	100	0	NC	--	--	--	--	--
Bromoform	8260	360		5	8	0	8	100	0	NC	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Hexanone	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Tetrachloroethene	8260	8.9		5	8	0	8	100	0	NC	--	--	--	--	--
1,1,2,2-Tetrachloroethane	8260	6.5		5	8	0	8	100	0	NC	--	--	--	--	--
Toluene	8260	485		5	8	0	8	100	0	NC	--	--	--	--	--
Chlorobenzene	8260	5030		5	8	0	8	100	0	NC	--	--	--	--	--
Ethylbenzene	8260	276		5	8	0	8	100	0	NC	--	--	--	--	--
Styrene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Trichlorofluoromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
m,p-Xylene	8260			5 (n)	8	0	8	100	0	NC	--	--	--	--	--
o-Xylene	8260			5 (n)	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichlorobenzene	8260	4200		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8260	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8260	10		10	8	0	8	100	0	NC	--	--	--	--	--
Acrolein	8260	780		500 (k)	8	0	8	100	0	NC	--	--	--	--	--
Methyl Iodide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromoethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Acrylonitrile	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloropropene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Dibromomethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW104
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
1,1,1,2-Tetrachloroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dibromo-3-chloropropane	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,3-Trichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
trans-1,4-Dichloro-2-butene	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3,5-Trimethylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trimethylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobutadiene	8260	50		10	8	0	8	100	0	NC	--	--	--	--	--
Ethylene Dibromide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromochloromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Isopropylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
n-Propylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
tert-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
sec-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Isopropyltoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
n-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8260	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8260	9880		10	8	8	0	0	1	89 (l)	17	120	65	37	69
1,2,3-Trichlorobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
DISSOLVED METALS (µg/L)															
Antimony	200.8	4300		10	8	0	8	100	0	NC	--	--	--	--	--
Arsenic	200.8	4	35 (g)	4	8	0	8	100	0	NC	--	--	--	--	--
Beryllium	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Cadmium	200.8	8		2	8	0	8	100	0	NC	--	--	--	--	--
Chromium	200.8	50		50	8	0	8	100	0	NC	--	--	--	--	--
Copper	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Lead	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Mercury	7470	1		1	8	0	8	100	0	NC	--	--	--	--	--
Nickel	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Selenium	200.8	71		20	8	0	8	100	0	NC	--	--	--	--	--
Silver	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Zinc	200.8	77		20	8	0	8	100	0	NC	--	--	--	--	--
Cyanide (µg/L)															
Total Cyanide	335.2	50		50	8	0	8	100	0	NC	--	--	--	--	--
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW105
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
TPH (µg/L)															
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671 (g)	400 (h)	8	8	0	0	1	1531 (l)	1200	1600	1425	158	1450
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (h)	8	0	8	100	0	NC	--	--	--	--	--
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581 (g)	600 (h)	8	8	0	0	1	2505 (l)	1500	2700	2138	424	2200
CPAH (µg/L)															
Benzo(a)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Chrysene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(a)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
SEMIVOLATILES (µg/L)															
Phenol	8270	1100000		10	8	0	8	100	0	NC	--	--	--	--	--
Bis-(2-Chloroethyl) Ether	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorophenol	8270	96.7		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8270	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzyl Alcohol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichlorobenzene	8270	4200		10	8	0	8	100	0	NC	--	--	--	--	--
2-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2'-Oxybis(1-Chloropropane)	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitroso-Di-N-Propylamine	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Hexachloroethane	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Nitrobenzene	8270	449		10	8	0	8	100	0	NC	--	--	--	--	--
Isophorone	8270	600		10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitrophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dimethylphenol	8270	553		10	8	7	1	13	1	25 (l)	3	32	18	10	17
Benzoic Acid	8270			10	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Chloroethoxy) Methane	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dichlorophenol	8270	191		10	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8270	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8270	9880		10	8	8	0	0	1	915 (l)	410	1000	759	233	815
4-Chloroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobutadiene	8270	50		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chloro-3-methylphenol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
2-Methylnaphthalene	8270			10	8	8	0	0	1	109 (l)	71	130	93	20	93
Hexachlorocyclopentadiene	8270	4180		20	8	0	8	100	0	NC	--	--	--	--	--
2,4,6-Trichlorophenol	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2,4,5-Trichlorophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Chloronaphthalene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW105
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
Dimethylphthalate	8270	72000		10	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--
3-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthene	8270	225	454 (g)	10	8	8	0	0	1	84 (l)	54	100	74	13	73
2,4-Dinitrophenol	8270	3460		50	8	0	8	100	0	NC	--	--	--	--	--
4-Nitrophenol	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Dibenzofuran	8270			10	8	8	0	0	1	29 (j)	17	29	22	3	22
2,6-Dinitrotoluene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dinitrotoluene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Diethylphthalate	8270	28400		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Fluorene	8270	2422		10	8	8	0	0	1	36 (l)	24	42	32	5	32
4-Nitroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	8270			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitrosodiphenylamine	8270	16		10	8	0	8	100	0	NC	--	--	--	--	--
4-Bromophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Pentachlorophenol	8270	50		50	8	0	8	100	0	NC	--	--	--	--	--
Phenanthrene	8270			10	8	8	0	0	1	73 (j)	40	73	59	9	59
Carbazole	8270			10	8	8	0	0	1	31 (l)	21	37	28	5	28
Anthracene	8270	25900		10	8	0	8	100	0	NC	--	--	--	--	--
Di-n-Butylphthalate	8270	2910		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Fluoranthene	8270	27.1		10	8	3	5	63	3	11 (m)	11	11	11	0	11
Pyrene	8270	777		10	8	0	8	100	0	NC	--	--	--	--	--
Butylbenzylphthalate	8270	1250		10	8	0	8	100	0	NC	--	--	--	--	--
3,3'-Dichlorobenzidine	8270	20		20	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzo(g,h,i)perylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW105
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
VOLATILES (µg/L)															
Methylene Chloride	8260	960		5	8	0	8	100	0	NC	--	--	--	--	--
Acetone	8260			10	8	0	8	100	0	NC	--	--	--	--	--
Carbon Disulfide	8260			10	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethene	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethane	8260			5	8	0	8	100	0	NC	--	--	--	--	--
trans-1,2-Dichloroethene	8260	32800		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,2-Dichloroethene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Chloroform	8260	470		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloroethane	8260	99		5	8	0	8	100	0	NC	--	--	--	--	--
2-Butanone	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,1-Trichloroethane	8260	41700		5	8	0	8	100	0	NC	--	--	--	--	--
Carbon Tetrachloride	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
Vinyl Acetate	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Bromodichloromethane	8260	28		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloropropane	8260	23		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
Trichloroethene	8260	81		5	8	0	8	100	0	NC	--	--	--	--	--
Dibromochloromethane	8260	21		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichloroethane	8260	42		5	8	0	8	100	0	NC	--	--	--	--	--
Benzene	8260	71	233 (g)	5	8	8	0	0	1	350 (l)	200	390	295	62	310
trans-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
2-Chloroethylvinylether	8260			10	8	0	8	100	0	NC	--	--	--	--	--
Bromoform	8260	360		5	8	0	8	100	0	NC	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Hexanone	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Tetrachloroethene	8260	8.9		5	8	0	8	100	0	NC	--	--	--	--	--
1,1,2,2-Tetrachloroethane	8260	6.5		5	8	0	8	100	0	NC	--	--	--	--	--
Toluene	8260	485		5	8	8	0	0	1	31 (l)	18	33	27	5	30
Chlorobenzene	8260	5030		5	8	0	8	100	0	NC	--	--	--	--	--
Ethylbenzene	8260	276		5	8	8	0	0	1	73 (l)	47	82	63	13	62
Styrene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Trichlorofluoromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
m,p-Xylene	8260			5 (n)	8	8	0	0	1	60 (l)	36	69	49	12	50
o-Xylene	8260			5 (n)	8	8	0	0	1	39 (l)	19	42	31	9	29
1,2-Dichlorobenzene	8260	4200		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8260	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8260	10		10	8	0	8	100	0	NC	--	--	--	--	--
Acrolein	8260	780		500 (k)	8	0	8	100	0	NC	--	--	--	--	--
Methyl Iodide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromoethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Acrylonitrile	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloropropene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Dibromomethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW105
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
1,1,1,2-Tetrachloroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dibromo-3-chloropropane	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,3-Trichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
trans-1,4-Dichloro-2-butene	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3,5-Trimethylbenzene	8260			10 (k)	8	1	7	88	3	11 (m)	11	11	--	--	--
1,2,4-Trimethylbenzene	8260			10 (k)	8	8	0	0	1	25 (l)	15	30	21	5	21
Hexachlorobutadiene	8260	50		10	8	0	8	100	0	NC	--	--	--	--	--
Ethylene Dibromide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromochloromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Isopropylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
n-Propylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
tert-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
sec-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Isopropyltoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
n-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8260	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8260	9880		10	8	8	0	0	1	2,119 (l)	980	2300	1798	480	1800
1,2,3-Trichlorobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
DISSOLVED METALS (µg/L)															
Antimony	200.8	4300		10	8	0	8	100	0	NC	--	--	--	--	--
Arsenic	200.8	4	35 (g)	4	8	8	0	0	1	19 (j)	12	19	15	5	14
Beryllium	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Cadmium	200.8	8		2	8	0	8	100	0	NC	--	--	--	--	--
Chromium	200.8	50		50	8	0	8	100	0	NC	--	--	--	--	--
Copper	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Lead	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Mercury	7470	1		1	8	0	8	100	0	NC	--	--	--	--	--
Nickel	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Selenium	200.8	71		20	8	0	8	100	0	NC	--	--	--	--	--
Silver	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Zinc	200.8	77		20	8	0	8	100	0	NC	--	--	--	--	--
Cyanide (µg/L)															
Total Cyanide	335.2	50		50	8	0	8	100	0	NC	--	--	--	--	--
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW107R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
TPH (µg/L)															
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671 (g)	400 (h)	8	8	0	0	1	1569 (l)	540	1900	1095	437	1100
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (h)	8	0	8	100	0	NC	--	--	--	--	--
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581 (g)	600 (h)	8	8	0	0	1	2849 (l)	780	3900	1848	967	1600
CPAH (µg/L)															
Benzo(a)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Chrysene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(a)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
SEMIVOLATILES (µg/L)															
Phenol	8270	1100000		10	8	0	8	100	0	NC	--	--	--	--	--
Bis-(2-Chloroethyl) Ether	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorophenol	8270	96.7		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8270	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzyl Alcohol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichlorobenzene	8270	4200		10	8	0	8	100	0	NC	--	--	--	--	--
2-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2'-Oxybis(1-Chloropropane)	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitroso-Di-N-Propylamine	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Hexachloroethane	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Nitrobenzene	8270	449		10	8	0	8	100	0	NC	--	--	--	--	--
Isophorone	8270	600		10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitrophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dimethylphenol	8270	553		10	8	0	8	100	0	NC	--	--	--	--	--
Benzoic Acid	8270			10	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Chloroethoxy) Methane	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dichlorophenol	8270	191		10	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8270	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8270	9880		10	8	8	0	0	1	1,939 (l)	740	2200	1404	542	1350
4-Chloroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobutadiene	8270	50		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chloro-3-methylphenol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
2-Methylnaphthalene	8270			10	8	8	0	0	1	197 (l)	63	220	128	56	140
Hexachlorocyclopentadiene	8270	4180		20	8	0	8	100	0	NC	--	--	--	--	--
2,4,6-Trichlorophenol	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2,4,5-Trichlorophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Chloronaphthalene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW107R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
Dimethylphthalate	8270	72000		10	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--
3-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthene	8270	225	454 (g)	10	8	8	0	0	1	63 (l)	33	76	51	14	50
2,4-Dinitrophenol	8270	3460		50	8	0	8	100	0	NC	--	--	--	--	--
4-Nitrophenol	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Dibenzofuran	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,6-Dinitrotoluene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dinitrotoluene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Diethylphthalate	8270	28400		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Fluorene	8270	2422		10	8	7	1	13	1	27 (j)	1	27	14	7	15
4-Nitroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	8270			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitrosodiphenylamine	8270	16		10	8	0	8	100	0	NC	--	--	--	--	--
4-Bromophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Pentachlorophenol	8270	50		50	8	0	8	100	0	NC	--	--	--	--	--
Phenanthrene	8270			10	8	4	4	50	2	15	12	18	14	3	13
Carbazole	8270			10	8	4	4	50	2	14 (j)	10	14	12	2	11
Anthracene	8270	25900		10	8	0	8	100	0	NC	--	--	--	--	--
Di-n-Butylphthalate	8270	2910		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Fluoranthene	8270	27.1		10	7	0	8	100	0	NC	--	--	--	--	--
Pyrene	8270	777		10	7	0	8	100	0	NC	--	--	--	--	--
Butylbenzylphthalate	8270	1250		10	8	0	8	100	0	NC	--	--	--	--	--
3,3'-Dichlorobenzidine	8270	20		20	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzo(g,h,i)perylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW107R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
VOLATILES (µg/L)															
Methylene Chloride	8260	960		5	8	0	8	100	0	NC	--	--	--	--	--
Acetone	8260			10	8	0	8	100	0	NC	--	--	--	--	--
Carbon Disulfide	8260			10	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethene	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethane	8260			5	8	0	8	100	0	NC	--	--	--	--	--
trans-1,2-Dichloroethene	8260	32800		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,2-Dichloroethene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Chloroform	8260	470		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloroethane	8260	99		5	8	0	8	100	0	NC	--	--	--	--	--
2-Butanone	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,1-Trichloroethane	8260	41700		5	8	0	8	100	0	NC	--	--	--	--	--
Carbon Tetrachloride	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
Vinyl Acetate	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Bromodichloromethane	8260	28		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloropropane	8260	23		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
Trichloroethene	8260	81		5	8	0	8	100	0	NC	--	--	--	--	--
Dibromochloromethane	8260	21		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichloroethane	8260	42		5	8	0	8	100	0	NC	--	--	--	--	--
Benzene	8260	71	233 (g)	5	8	1	7	88	3	5.7 (m)	5.7	5.7	--	--	--
trans-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
2-Chloroethylvinylether	8260			10	8	0	8	100	0	NC	--	--	--	--	--
Bromoform	8260	360		5	8	0	8	100	0	NC	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Hexanone	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Tetrachloroethene	8260	8.9		5	8	0	8	100	0	NC	--	--	--	--	--
1,1,2,2-Tetrachloroethane	8260	6.5		5	8	0	8	100	0	NC	--	--	--	--	--
Toluene	8260	485		5	8	4	4	50	2	22 (j)	7	22	12	7	12
Chlorobenzene	8260	5030		5	8	0	8	100	0	NC	--	--	--	--	--
Ethylbenzene	8260	276		5	8	8	0	0	1	80 (l)	21	110	49	29	40
Styrene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Trichlorofluoromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
m,p-Xylene	8260			5 (n)	8	8	0	0	1	58 (l)	15	89	36	23	28
o-Xylene	8260			5 (n)	8	8	0	0	1	41.5 (l)	11	66	25	18	20
1,2-Dichlorobenzene	8260	4200		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8260	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8260	10		10	8	0	8	100	0	NC	--	--	--	--	--
Acrolein	8260	780		500 (k)	8	0	8	100	0	NC	--	--	--	--	--
Methyl Iodide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromoethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Acrylonitrile	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloropropene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Dibromomethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW107R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
1,1,1,2-Tetrachloroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dibromo-3-chloropropane	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,3-Trichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
trans-1,4-Dichloro-2-butene	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3,5-Trimethylbenzene	8260			10 (k)	8	1	7	88	3	17 (m)	17	17	--	--	--
1,2,4-Trimethylbenzene	8260			10 (k)	8	7	1	13	1	57 (j)	1	57	21	17	18
Hexachlorobutadiene	8260	50		10	8	0	8	100	0	NC	--	--	--	--	--
Ethylene Dibromide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromochloromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Isopropylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
n-Propylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
tert-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
sec-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Isopropyltoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
n-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8260	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8260	9880		10	8	8	0	0	1	4800 (j)	2200	4800	2938	893	2600
1,2,3-Trichlorobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
DISSOLVED METALS (µg/L)															
Antimony	200.8	4300		10	8	0	8	100	0	NC	--	--	--	--	--
Arsenic	200.8	4	35 (g)	4	8	7	1	13	1	8 (j)	1	8	6	2	7
Beryllium	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Cadmium	200.8	8		2	8	0	8	100	0	NC	--	--	--	--	--
Chromium	200.8	50		50	8	0	8	100	0	NC	--	--	--	--	--
Copper	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Lead	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Mercury	7470	1		1	8	0	8	100	0	NC	--	--	--	--	--
Nickel	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Selenium	200.8	71		20	8	0	8	100	0	NC	--	--	--	--	--
Silver	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Zinc	200.8	77		20	8	0	8	100	0	NC	--	--	--	--	--
Cyanide (µg/L)															
Total Cyanide	335.2	50		50	8	0	8	100	0	NC	--	--	--	--	--
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW108R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
TPH (µg/L)															
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671 (g)	400 (h)	8	0	8	100	0	NC	--	--	--	--	--
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (h)	8	0	8	100	0	NC	--	--	--	--	--
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581 (g)	600 (h)	8	0	8	100	0	NC	--	--	--	--	--
CPAH (µg/L)															
Benzo(a)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Chrysene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Benzo(a)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	8	0	8	100	0	NC	--	--	--	--	--
SEMIVOLATILES (µg/L)															
Phenol	8270	1100000		10	8	0	8	100	0	NC	--	--	--	--	--
Bis-(2-Chloroethyl) Ether	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorophenol	8270	96.7		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8270	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzyl Alcohol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichlorobenzene	8270	4200		10	8	0	8	100	0	NC	--	--	--	--	--
2-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2'-Oxybis(1-Chloropropane)	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Methylphenol	8270			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitroso-Di-N-Propylamine	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Hexachloroethane	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Nitrobenzene	8270	449		10	8	0	8	100	0	NC	--	--	--	--	--
Isophorone	8270	600		10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitrophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dimethylphenol	8270	553		10	8	0	8	100	0	NC	--	--	--	--	--
Benzoic Acid	8270			10	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Chloroethoxy) Methane	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dichlorophenol	8270	191		10	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8270	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8270	9880		10	8	8	0	0	1	44 (l)	19	53	33	12	31
4-Chloroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobutadiene	8270	50		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chloro-3-methylphenol	8270			20	8	0	8	100	0	NC	--	--	--	--	--
2-Methylnaphthalene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorocyclopentadiene	8270	4180		20	8	0	8	100	0	NC	--	--	--	--	--
2,4,6-Trichlorophenol	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
2,4,5-Trichlorophenol	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Chloronaphthalene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--

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12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
Dimethylphthalate	8270	72000		10	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--
3-Nitroaniline	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Acenaphthene	8270	225	454 (g)	10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dinitrophenol	8270	3460		50	8	0	8	100	0	NC	--	--	--	--	--
4-Nitrophenol	8270			50	8	0	8	100	0	NC	--	--	--	--	--
Dibenzofuran	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,6-Dinitrotoluene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
2,4-Dinitrotoluene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Diethylphthalate	8270	28400		10	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Fluorene	8270	2422		10	8	0	8	100	0	NC	--	--	--	--	--
4-Nitroaniline	8270			20	8	0	8	100	0	NC	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	8270			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
N-Nitrosodiphenylamine	8270	16		10	8	0	8	100	0	NC	--	--	--	--	--
4-Bromophenyl-phenylether	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobenzene	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Pentachlorophenol	8270	50		50	8	0	8	100	0	NC	--	--	--	--	--
Phenanthrene	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Carbazole	8270			10	8	0	8	100	0	NC	--	--	--	--	--
Anthracene	8270	25900		10	7	0	8	100	0	NC	--	--	--	--	--
Di-n-Butylphthalate	8270	2910		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Fluoranthene	8270	27.1		10	7	0	8	100	0	NC	--	--	--	--	--
Pyrene	8270	777		10	7	0	8	100	0	NC	--	--	--	--	--
Butylbenzylphthalate	8270	1250		10	8	0	8	100	0	NC	--	--	--	--	--
3,3'-Dichlorobenzidine	8270	20		20	8	0	8	100	0	NC	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	8270	10		10	8	0	8	100	0	NC	--	--	--	--	--
Benzo(g,h,i)perylene	8270			10	7	0	8	100	0	NC	--	--	--	--	--

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STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW108R
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UNION STATION

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VOLATILES (µg/L)															
Methylene Chloride	8260	960		5	8	0	8	100	0	NC	--	--	--	--	--
Acetone	8260			10	8	0	8	100	0	NC	--	--	--	--	--
Carbon Disulfide	8260			10	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethene	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloroethane	8260			5	8	0	8	100	0	NC	--	--	--	--	--
trans-1,2-Dichloroethene	8260	32800		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,2-Dichloroethene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Chloroform	8260	470		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloroethane	8260	99		5	8	0	8	100	0	NC	--	--	--	--	--
2-Butanone	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,1-Trichloroethane	8260	41700		5	8	0	8	100	0	NC	--	--	--	--	--
Carbon Tetrachloride	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
Vinyl Acetate	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Bromodichloromethane	8260	28		5	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichloropropane	8260	23		5	8	0	8	100	0	NC	--	--	--	--	--
cis-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
Trichloroethene	8260	81		5	8	0	8	100	0	NC	--	--	--	--	--
Dibromochloromethane	8260	21		10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichloroethane	8260	42		5	8	0	8	100	0	NC	--	--	--	--	--
Benzene	8260	71	233 (g)	5	8	0	8	100	0	NC	--	--	--	--	--
trans-1,3-Dichloropropene	8260	19		5	8	0	8	100	0	NC	--	--	--	--	--
2-Chloroethylvinylether	8260			10	8	0	8	100	0	NC	--	--	--	--	--
Bromoform	8260	360		5	8	0	8	100	0	NC	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Hexanone	8260			50	8	0	8	100	0	NC	--	--	--	--	--
Tetrachloroethene	8260	8.9		5	8	0	8	100	0	NC	--	--	--	--	--
1,1,2,2-Tetrachloroethane	8260	6.5		5	8	0	8	100	0	NC	--	--	--	--	--
Toluene	8260	485		5	8	0	8	100	0	NC	--	--	--	--	--
Chlorobenzene	8260	5030		5	8	0	8	100	0	NC	--	--	--	--	--
Ethylbenzene	8260	276		5	8	0	8	100	0	NC	--	--	--	--	--
Styrene	8260			5	8	0	8	100	0	NC	--	--	--	--	--
Trichlorofluoromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
m,p-Xylene	8260			5 (n)	8	0	8	100	0	NC	--	--	--	--	--
o-Xylene	8260			5 (n)	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dichlorobenzene	8260	4200		10	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichlorobenzene	8260	2600		10	8	0	8	100	0	NC	--	--	--	--	--
1,4-Dichlorobenzene	8260	10		10	8	0	8	100	0	NC	--	--	--	--	--
Acrolein	8260	780		500 (k)	8	0	8	100	0	NC	--	--	--	--	--
Methyl Iodide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromoethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Acrylonitrile	8260	5		5	8	0	8	100	0	NC	--	--	--	--	--
1,1-Dichloropropene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Dibromomethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW108R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
1,1,1,2-Tetrachloroethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2-Dibromo-3-chloropropane	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,3-Trichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
trans-1,4-Dichloro-2-butene	8260			50 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3,5-Trimethylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trimethylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Hexachlorobutadiene	8260	50		10	8	0	8	100	0	NC	--	--	--	--	--
Ethylene Dibromide	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromochloromethane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2,2-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,3-Dichloropropane	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Isopropylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
n-Propylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
Bromobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
2-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Chlorotoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
tert-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
sec-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
4-Isopropyltoluene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
n-Butylbenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
1,2,4-Trichlorobenzene	8260	227		10	8	0	8	100	0	NC	--	--	--	--	--
Naphthalene	8260	9880		10	8	8	0	0	1	71 (l)	21	110	45	29	34
1,2,3-Trichlorobenzene	8260			10 (k)	8	0	8	100	0	NC	--	--	--	--	--
DISSOLVED METALS (µg/L)															
Antimony	200.8	4300		10	8	0	8	100	0	NC	--	--	--	--	--
Arsenic	200.8	4	35 (g)	4	8	7	1	13	1	15 (j)	1	15	6	4	6
Beryllium	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Cadmium	200.8	8		2	8	0	8	100	0	NC	--	--	--	--	--
Chromium	200.8	50		50	8	0	8	100	0	NC	--	--	--	--	--
Copper	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Lead	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Mercury	7470	1		1	8	0	8	100	0	NC	--	--	--	--	--
Nickel	200.8	10		10	8	0	8	100	0	NC	--	--	--	--	--
Selenium	200.8	71		20	8	5	3	38	2	43	20	60	32	16	30
Silver	200.8	2		2	8	0	8	100	0	NC	--	--	--	--	--
Zinc	200.8	77		20	8	0	8	100	0	NC	--	--	--	--	--
Cyanide (µg/L)															
Total Cyanide	335.2	50		50	8	0	8	100	0	NC	--	--	--	--	--
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	8	0	8	100	0	NC	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL B4
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
TPH (µg/L)															
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671 (g)	400 (h)	8	8	0	0	---	---	2600	15000	6500	3833	6000
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (h)	8	4	4	50	---	---	1100	6800	3000	2665	2050
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581 (g)	600 (h)	8	8	0	0	---	---	3300	6500	5513	980	5850
CPAH (µg/L)															
Benzo(a)anthracene	8270-SIM	1.0		1.0	8	6	2	29	---	---	1.0	17	5.3	6.4	1.9
Chrysene	8270-SIM	1.0		1.0	8	5	3	43	---	---	1.3	16	5.6	6.3	2.0
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	8	2	6	75	---	---	9.6	4.3	7.0	3.7	7.0
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	8	4	4	50	---	---	1	13	5.2	5.6	3.4
Benzo(a)pyrene	8270-SIM	1.0		1.0	8	5	3	43	---	---	1.0	17	5.5	6.9	5.5
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	8	2	6	75	---	---	6.8	3.6	5.2	2.3	5.2
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	8	1	7	88	---	---	2.1	2.1	--	--	--
SEMIVOLATILES (µg/L)															
Phenol	8270	1100000		10	8	0	8	100	---	---	--	--	--	--	--
Bis-(2-Chloroethyl) Ether	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
2-Chlorophenol	8270	96.7		10	8	0	8	100	---	---	--	--	--	--	--
1,3-Dichlorobenzene	8270	2600		10	8	0	8	100	---	---	--	--	--	--	--
1,4-Dichlorobenzene	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Benzyl Alcohol	8270			20	8	0	8	100	---	---	--	--	--	--	--
1,2-Dichlorobenzene	8270	4200		10	8	0	8	100	---	---	--	--	--	--	--
2-Methylphenol	8270			10 (k)	8	0	8	100	---	---	--	--	--	--	--
2,2'-Oxybis(1-Chloropropane)	8270			10 (k)	8	0	8	100	---	---	--	--	--	--	--
4-Methylphenol	8270			10 (k)	8	1	7	88	---	---	17	17	--	--	--
N-Nitroso-Di-N-Propylamine	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Hexachloroethane	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Nitrobenzene	8270	449		10	8	0	8	100	---	---	--	--	--	--	--
Isophorone	8270	600		10	8	0	8	100	---	---	--	--	--	--	--
2-Nitrophenol	8270			10	8	0	8	100	---	---	--	--	--	--	--
2,4-Dimethylphenol	8270	553		10	8	0	8	100	---	---	--	--	--	--	--
Benzoic Acid	8270			10	8	0	8	100	---	---	--	--	--	--	--
bis(2-Chloroethoxy) Methane	8270			10	8	0	8	100	---	---	--	--	--	--	--
2,4-Dichlorophenol	8270	191		10	8	0	8	100	---	---	--	--	--	--	--
1,2,4-Trichlorobenzene	8270	227		10	8	0	8	100	---	---	--	--	--	--	--
Naphthalene	8270	9880		10	8	8	0	0	---	---	710	3800	2464	1034	2650
4-Chloroaniline	8270			20	8	0	8	100	---	---	--	--	--	--	--
Hexachlorobutadiene	8270	50		10	8	0	8	100	---	---	--	--	--	--	--
4-Chloro-3-methylphenol	8270			20	8	0	8	100	---	---	--	--	--	--	--
2-Methylnaphthalene	8270			10	8	8	0	0	---	---	160	670	448	163	495
Hexachlorocyclopentadiene	8270	4180		20	8	0	8	100	---	---	--	--	--	--	--
2,4,6-Trichlorophenol	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
2,4,5-Trichlorophenol	8270			10	8	0	8	100	---	---	--	--	--	--	--
2-Chloronaphthalene	8270			10	8	0	8	100	---	---	--	--	--	--	--
2-Nitroaniline	8270			50	8	0	8	100	---	---	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL B4
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
Dimethylphthalate	8270	72000		10	8	0	8	100	---	---	--	--	--	--	--
Acenaphthylene	8270			10	8	1	7	88	---	---	10	10	--	--	--
3-Nitroaniline	8270			50	8	0	8	100	---	---	--	--	--	--	--
Acenaphthene	8270	225	454 (g)	10	8	8	0	0	---	---	120	430	320	94	340
2,4-Dinitrophenol	8270	3460		50	8	0	8	100	---	---	--	--	--	--	--
4-Nitrophenol	8270			50	8	0	8	100	---	---	--	--	--	--	--
Dibenzofuran	8270			10	8	8	0	0	---	---	10	26	20	5	21
2,6-Dinitrotoluene	8270			10	8	0	8	100	---	---	--	--	--	--	--
2,4-Dinitrotoluene	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Diethylphthalate	8270	28400		10	8	0	8	100	---	---	--	--	--	--	--
4-Chlorophenyl-phenylether	8270			10	8	0	8	100	---	---	--	--	--	--	--
Fluorene	8270	2422		10	8	8	0	0	---	---					
4-Nitroaniline	8270			20	8	0	8	100	---	---	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	8270			50 (k)	8	0	8	100	---	---	--	--	--	--	--
N-Nitrosodiphenylamine	8270	16		10	8	0	8	100	---	---	--	--	--	--	--
4-Bromophenyl-phenylether	8270			10	8	0	8	100	---	---	--	--	--	--	--
Hexachlorobenzene	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Pentachlorophenol	8270	50		50	8	0	8	100	---	---	--	--	--	--	--
Phenanthrene	8270			10	8	8	0	0	---	---	46	230	112	56	110
Carbazole	8270			10	8	7	1	13	---	---	0.5	24	17	8	21
Anthracene	8270	25900		10	8	6	2	25	---	---	9.1	28	16	7	15
Di-n-Butylphthalate	8270	2910		10 (k)	8	0	8	100	---	---	--	--	--	--	--
Fluoranthene	8270	27.1		10	8	4	4	50	---	---	11	42	23	14	19
Pyrene	8270	777		10	8	5	3	38	---	---	11	32	17	10	13
Butylbenzylphthalate	8270	1250		10	8	0	8	100	---	---	--	--	--	--	--
3,3'-Dichlorobenzidine	8270	20		20	8	0	8	100	---	---	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Benzo(g,h,i)perylene	8270			10	7	0	8	100	---	---	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL B4
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
VOLATILES (µg/L)															
Methylene Chloride	8260	960		5	8	0	8	100	---	---	--	--	--	--	--
Acetone	8260			10	8	5	3	38	---	---	72	860	374.0	300.0	340
Carbon Disulfide	8260			10	8	0	8	100	---	---	--	--	--	--	--
1,1-Dichloroethene	8260	5		5	8	0	8	100	---	---	--	--	--	--	--
1,1-Dichloroethane	8260			5	8	0	8	100	---	---	--	--	--	--	--
trans-1,2-Dichloroethene	8260	32800		5	8	0	8	100	---	---	--	--	--	--	--
cis-1,2-Dichloroethene	8260			5	8	0	8	100	---	---	--	--	--	--	--
Chloroform	8260	470		5	8	0	8	100	---	---	--	--	--	--	--
1,2-Dichloroethane	8260	99		5	8	0	8	100	---	---	--	--	--	--	--
2-Butanone	8260			50 (k)	8	0	8	100	---	---	--	--	--	--	--
1,1,1-Trichloroethane	8260	41700		5	8	0	8	100	---	---	--	--	--	--	--
Carbon Tetrachloride	8260	5		5	8	0	8	100	---	---	--	--	--	--	--
Vinyl Acetate	8260			50	8	0	8	100	---	---	--	--	--	--	--
Bromodichloromethane	8260	28		5	8	0	8	100	---	---	--	--	--	--	--
1,2-Dichloropropane	8260	23		5	8	0	8	100	---	---	--	--	--	--	--
cis-1,3-Dichloropropene	8260	19		5	8	0	8	100	---	---	--	--	--	--	--
Trichloroethene	8260	81		5	8	0	8	100	---	---	--	--	--	--	--
Dibromochloromethane	8260	21		10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,1,2-Trichloroethane	8260	42		5	8	0	8	100	---	---	--	--	--	--	--
Benzene	8260	71	233 (g)	5	8	8	0	0	---	---	120	150	134	9	130
trans-1,3-Dichloropropene	8260	19		5	8	0	8	100	---	---	--	--	--	--	--
2-Chloroethylvinylether	8260			10	8	0	8	100	---	---	--	--	--	--	--
Bromoform	8260	360		5	8	0	8	100	---	---	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	8260			50 (k)	8	0	8	100	---	---	--	--	--	--	--
2-Hexanone	8260			50	8	0	8	100	---	---	--	--	--	--	--
Tetrachloroethene	8260	8.9		5	8	0	8	100	---	---	--	--	--	--	--
1,1,2,2-Tetrachloroethane	8260	6.5		5	8	0	8	100	---	---	--	--	--	--	--
Toluene	8260	485		5	8	0	8	100	---	---	--	--	--	--	--
Chlorobenzene	8260	5030		5	8	0	8	100	---	---	--	--	--	--	--
Ethylbenzene	8260	276		5	8	8	0	0	---	---	160	230	205	25	210
Styrene	8260			5	8	0	8	100	---	---	--	--	--	--	--
Trichlorofluoromethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
m,p-Xylene	8260			5 (n)	8	1	7	88	---	---	5	5	--	--	--
o-Xylene	8260			5 (n)	8	5	3	38	---	---	5	7	6	0.5	6
1,2-Dichlorobenzene	8260	4200		10	8	0	8	100	---	---	--	--	--	--	--
1,3-Dichlorobenzene	8260	2600		10	8	0	8	100	---	---	--	--	--	--	--
1,4-Dichlorobenzene	8260	10		10	8	0	8	100	---	---	--	--	--	--	--
Acrolein	8260	780		500 (k)	8	0	8	100	---	---	--	--	--	--	--
Methyl Iodide	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Bromoethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Acrylonitrile	8260	5		5	8	0	8	100	---	---	--	--	--	--	--
1,1-Dichloropropene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Dibromomethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL B4
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
1,1,1,2-Tetrachloroethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,2-Dibromo-3-chloropropane	8260			50 (k)	8	0	8	100	---	---	--	--	--	--	--
1,2,3-Trichloropropane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
trans-1,4-Dichloro-2-butene	8260			50 (k)	8	0	8	100	---	---	--	--	--	--	--
1,3,5-Trimethylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,2,4-Trimethylbenzene	8260			10 (k)	8	3	5	65	---	---	11	12	12	0.6	12
Hexachlorobutadiene	8260	50		10	8	0	8	100	---	---	--	--	--	--	--
Ethylene Dibromide	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Bromochloromethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
2,2-Dichloropropane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,3-Dichloropropane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Isopropylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
n-Propylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Bromobenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
2-Chlorotoluene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
4-Chlorotoluene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
tert-Butylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
sec-Butylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
4-Isopropyltoluene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
n-Butylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,2,4-Trichlorobenzene	8260	227		10	8	0	8	100	---	---	--	--	--	--	--
Naphthalene	8260	9880		10	8	8	0	0	---	---	2400	6200	5025	1439	5600
1,2,3-Trichlorobenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
DISSOLVED METALS (µg/L)															
Antimony	200.8	4300		10	8	0	8	100	---	---	--	--	--	--	--
Arsenic	200.8	4	35 (g)	4	8	1	7	88	---	---	7	7			
Beryllium	200.8	2		2	8	0	8	100	---	---	--	--	--	--	--
Cadmium	200.8	8		2	8	0	8	100	---	---	--	--	--	--	--
Chromium	200.8	50		50	8	0	8	100	---	---	--	--	--	--	--
Copper	200.8	10		10	8	0	8	100	---	---	--	--	--	--	--
Lead	200.8	10		10	8	0	8	100	---	---	--	--	--	--	--
Mercury	7470	1		1	8	0	8	100	---	---	--	--	--	--	--
Nickel	200.8	10		10	8	0	8	100	---	---	--	--	--	--	--
Selenium	200.8	71		20	8	0	8	100	---	---	--	--	--	--	--
Silver	200.8	2		2	8	0	8	100	---	---	--	--	--	--	--
Zinc	200.8	77		20	8	1	7	88	---	---	30	30	--	--	--
Cyanide (µg/L)															
Total Cyanide	335.2	50		50	8	2	6	75	---	---	74	62	68.0	8.5	68
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	8	0	8	100	---	---	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL B6R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
TPH (µg/L)															
Diesel-Range Petroleum Hydrocarbons	WTPH-Dx		8671 (g)	400 (h)	8	0	8	100	---	---	--	--	--	--	--
Motor Oil-Range Petroleum Hydrocarbons	WTPH-Dx			1100 (h)	8	0	8	100	---	---	--	--	--	--	--
Gasoline-Range Petroleum Hydrocarbons	WTPH-G		7581 (g)	600 (h)	8	0	8	100	---	---	--	--	--	--	--
CPAH (µg/L)															
Benzo(a)anthracene	8270-SIM	1.0		1.0	8	0	8	100	---	---	--	--	--	--	--
Chrysene	8270-SIM	1.0		1.0	8	0	8	100	---	---	--	--	--	--	--
Benzo(b)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	---	---	--	--	--	--	--
Benzo(k)fluoranthene	8270-SIM	1.0		1.0	8	0	8	100	---	---	--	--	--	--	--
Benzo(a)pyrene	8270-SIM	1.0		1.0	8	0	8	100	---	---	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	8270-SIM	1.0		1.0	8	0	8	100	---	---	--	--	--	--	--
Dibenzo(a,h)anthracene	8270-SIM	1.0		1.0	8	0	8	100	---	---	--	--	--	--	--
SEMIVOLATILES (µg/L)															
Phenol	8270	1100000		10	8	0	8	100	---	---	--	--	--	--	--
Bis-(2-Chloroethyl) Ether	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
2-Chlorophenol	8270	96.7		10	8	0	8	100	---	---	--	--	--	--	--
1,3-Dichlorobenzene	8270	2600		10	8	0	8	100	---	---	--	--	--	--	--
1,4-Dichlorobenzene	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Benzyl Alcohol	8270			20	8	0	8	100	---	---	--	--	--	--	--
1,2-Dichlorobenzene	8270	4200		10	8	0	8	100	---	---	--	--	--	--	--
2-Methylphenol	8270			10 (k)	8	0	8	100	---	---	--	--	--	--	--
2,2'-Oxybis(1-Chloropropane)	8270			10 (k)	8	0	8	100	---	---	--	--	--	--	--
4-Methylphenol	8270			10 (k)	8	0	8	100	---	---	--	--	--	--	--
N-Nitroso-Di-N-Propylamine	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Hexachloroethane	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Nitrobenzene	8270	449		10	8	0	8	100	---	---	--	--	--	--	--
Isophorone	8270	600		10	8	0	8	100	---	---	--	--	--	--	--
2-Nitrophenol	8270			10	8	0	8	100	---	---	--	--	--	--	--
2,4-Dimethylphenol	8270	553		10	8	0	8	100	---	---	--	--	--	--	--
Benzoic Acid	8270			10	8	0	8	100	---	---	--	--	--	--	--
bis(2-Chloroethoxy) Methane	8270			10	8	0	8	100	---	---	--	--	--	--	--
2,4-Dichlorophenol	8270	191		10	8	0	8	100	---	---	--	--	--	--	--
1,2,4-Trichlorobenzene	8270	227		10	8	0	8	100	---	---	--	--	--	--	--
Naphthalene	8270	9880		10	7	0	8	100	---	---	--	--	--	--	--
4-Chloroaniline	8270			20	8	0	8	100	---	---	--	--	--	--	--
Hexachlorobutadiene	8270	50		10	8	0	8	100	---	---	--	--	--	--	--
4-Chloro-3-methylphenol	8270			20	8	0	8	100	---	---	--	--	--	--	--
2-Methylnaphthalene	8270			10	7	0	8	100	---	---	--	--	--	--	--
Hexachlorocyclopentadiene	8270	4180		20	8	0	8	100	---	---	--	--	--	--	--
2,4,6-Trichlorophenol	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
2,4,5-Trichlorophenol	8270			10	8	0	8	100	---	---	--	--	--	--	--
2-Chloronaphthalene	8270			10	8	0	8	100	---	---	--	--	--	--	--
2-Nitroaniline	8270			50	8	0	8	100	---	---	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL B6R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
Dimethylphthalate	8270	72000		10	8	0	8	100	---	---	--	--	--	--	--
Acenaphthylene	8270			10	7	0	8	100	---	---	--	--	--	--	--
3-Nitroaniline	8270			50	8	0	8	100	---	---	--	--	--	--	--
Acenaphthene	8270	225	454 (g)	10	7	0	8	100	---	---	--	--	--	--	--
2,4-Dinitrophenol	8270	3460		50	8	0	8	100	---	---	--	--	--	--	--
4-Nitrophenol	8270			50	8	0	8	100	---	---	--	--	--	--	--
Dibenzofuran	8270			10	8	0	8	100	---	---	--	--	--	--	--
2,6-Dinitrotoluene	8270			10	8	0	8	100	---	---	--	--	--	--	--
2,4-Dinitrotoluene	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Diethylphthalate	8270	28400		10	8	0	8	100	---	---	--	--	--	--	--
4-Chlorophenyl-phenylether	8270			10	8	0	8	100	---	---	--	--	--	--	--
Fluorene	8270	2422		10	7	0	8	100	---	---	--	--	--	--	--
4-Nitroaniline	8270			20	8	0	8	100	---	---	--	--	--	--	--
4,6-Dinitro-2-Methylphenol	8270			50 (k)	8	0	8	100	---	---	--	--	--	--	--
N-Nitrosodiphenylamine	8270	16		10	8	0	8	100	---	---	--	--	--	--	--
4-Bromophenyl-phenylether	8270			10	8	0	8	100	---	---	--	--	--	--	--
Hexachlorobenzene	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Pentachlorophenol	8270	50		50	8	0	8	100	---	---	--	--	--	--	--
Phenanthrene	8270			10	7	0	8	100	---	---	--	--	--	--	--
Carbazole	8270			10	8	0	8	100	---	---	--	--	--	--	--
Anthracene	8270	25900		10	7	0	8	100	---	---	--	--	--	--	--
Di-n-Butylphthalate	8270	2910		10 (k)	8	0	8	100	---	---	--	--	--	--	--
Fluoranthene	8270	27.1		10	7	0	8	100	---	---	--	--	--	--	--
Pyrene	8270	777		10	7	0	8	100	---	---	--	--	--	--	--
Butylbenzylphthalate	8270	1250		10	8	0	8	100	---	---	--	--	--	--	--
3,3'-Dichlorobenzidine	8270	20		20	8	0	8	100	---	---	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	8270	10		10	8	0	8	100	---	---	--	--	--	--	--
Benzo(g,h,i)perylene	8270			10	7	0	8	100	---	---	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL B6R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
VOLATILES (µg/L)															
Methylene Chloride	8260	960		5	8	0	8	100	---	---	--	--	--	--	--
Acetone	8260			10	8	0	8	100	---	---	--	--	--	--	--
Carbon Disulfide	8260			10	8	0	8	100	---	---	--	--	--	--	--
1,1-Dichloroethene	8260	5		5	8	0	8	100	---	---	--	--	--	--	--
1,1-Dichloroethane	8260			5	8	0	8	100	---	---	--	--	--	--	--
trans-1,2-Dichloroethene	8260	32800		5	8	0	8	100	---	---	--	--	--	--	--
cis-1,2-Dichloroethene	8260			5	8	0	8	100	---	---	--	--	--	--	--
Chloroform	8260	470		5	8	0	8	100	---	---	--	--	--	--	--
1,2-Dichloroethane	8260	99		5	8	0	8	100	---	---	--	--	--	--	--
2-Butanone	8260			50 (k)	8	0	8	100	---	---	--	--	--	--	--
1,1,1-Trichloroethane	8260	41700		5	8	0	8	100	---	---	--	--	--	--	--
Carbon Tetrachloride	8260	5		5	8	0	8	100	---	---	--	--	--	--	--
Vinyl Acetate	8260			50	8	0	8	100	---	---	--	--	--	--	--
Bromodichloromethane	8260	28		5	8	0	8	100	---	---	--	--	--	--	--
1,2-Dichloropropane	8260	23		5	8	0	8	100	---	---	--	--	--	--	--
cis-1,3-Dichloropropene	8260	19		5	8	0	8	100	---	---	--	--	--	--	--
Trichloroethene	8260	81		5	8	0	8	100	---	---	--	--	--	--	--
Dibromochloromethane	8260	21		10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,1,2-Trichloroethane	8260	42		5	8	0	8	100	---	---	--	--	--	--	--
Benzene	8260	71	233 (g)	5	8	0	8	100	---	---	--	--	--	--	--
trans-1,3-Dichloropropene	8260	19		5	8	0	8	100	---	---	--	--	--	--	--
2-Chloroethylvinylether	8260			10	8	0	8	100	---	---	--	--	--	--	--
Bromoform	8260	360		5	8	0	8	100	---	---	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	8260			50 (k)	8	0	8	100	---	---	--	--	--	--	--
2-Hexanone	8260			50	8	0	8	100	---	---	--	--	--	--	--
Tetrachloroethene	8260	8.9		5	8	0	8	100	---	---	--	--	--	--	--
1,1,2,2-Tetrachloroethane	8260	6.5		5	8	0	8	100	---	---	--	--	--	--	--
Toluene	8260	485		5	8	0	8	100	---	---	--	--	--	--	--
Chlorobenzene	8260	5030		5	8	0	8	100	---	---	--	--	--	--	--
Ethylbenzene	8260	276		5	8	0	8	100	---	---	--	--	--	--	--
Styrene	8260			5	8	0	8	100	---	---	--	--	--	--	--
Trichlorofluoromethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,1,2-Trichlorotrifluoroethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
m,p-Xylene	8260			5 (n)	8	0	8	100	---	---	--	--	--	--	--
o-Xylene	8260			5 (n)	8	0	8	100	---	---	--	--	--	--	--
1,2-Dichlorobenzene	8260	4200		10	8	0	8	100	---	---	--	--	--	--	--
1,3-Dichlorobenzene	8260	2600		10	8	0	8	100	---	---	--	--	--	--	--
1,4-Dichlorobenzene	8260	10		10	8	0	8	100	---	---	--	--	--	--	--
Acrolein	8260	780		500 (k)	8	0	8	100	---	---	--	--	--	--	--
Methyl Iodide	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Bromoethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Acrylonitrile	8260	5		5	8	0	8	100	---	---	--	--	--	--	--
1,1-Dichloropropene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Dibromomethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--

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STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL B6R
12/00 TO 06/03
UNION STATION

Analyte	Method	CAP Cleanup Level (a) (µg/L)	Background-based Screening Level (µg/L)	Practical Quantitation Limits (b) (µg/L)	Number of Samples (c)	Number of Detects (>= PQL)	Number of Censored Data (d)	Percent Censored Data	Statistical Case No. (e)	UCL (f)	Minimum Uncensored Data	Maximum Uncensored Data	Mean of Uncensored Data (f)	Std. Dev. of Uncensored Data (f)	Median of Uncensored Data (f)
1,1,1,2-Tetrachloroethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,2-Dibromo-3-chloropropane	8260			50 (k)	8	0	8	100	---	---	--	--	--	--	--
1,2,3-Trichloropropane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
trans-1,4-Dichloro-2-butene	8260			50 (k)	8	0	8	100	---	---	--	--	--	--	--
1,3,5-Trimethylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,2,4-Trimethylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Hexachlorobutadiene	8260	50		10	8	0	8	100	---	---	--	--	--	--	--
Ethylene Dibromide	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Bromochloromethane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
2,2-Dichloropropane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,3-Dichloropropane	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Isopropylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
n-Propylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
Bromobenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
2-Chlorotoluene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
4-Chlorotoluene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
tert-Butylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
sec-Butylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
4-Isopropyltoluene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
n-Butylbenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
1,2,4-Trichlorobenzene	8260	227		10	8	0	8	100	---	---	--	--	--	--	--
Naphthalene	8260	9880		10	8	0	8	100	---	---	--	--	--	--	--
1,2,3-Trichlorobenzene	8260			10 (k)	8	0	8	100	---	---	--	--	--	--	--
DISSOLVED METALS (µg/L)															
Antimony	200.8	4300		10	8	0	8	100	---	---	--	--	--	--	--
Arsenic	200.8	4	35 (g)	4	8	8	0	100	---	---	21	33	26.3	4.2	26
Beryllium	200.8	2		2	8	0	8	100	---	---	--	--	--	--	--
Cadmium	200.8	8		2	8	0	8	100	---	---	--	--	--	--	--
Chromium	200.8	50		50	8	0	8	100	---	---	--	--	--	--	--
Copper	200.8	10		10	8	0	8	100	---	---	--	--	--	--	--
Lead	200.8	10		10	8	0	8	100	---	---	--	--	--	--	--
Mercury	7470	1		1	8	0	8	100	---	---	--	--	--	--	--
Nickel	200.8	10		10	8	0	8	100	---	---	--	--	--	--	--
Selenium	200.8	71		20	8	0	8	100	---	---	--	--	--	--	--
Silver	200.8	2		2	8	0	8	100	---	---	--	--	--	--	--
Zinc	200.8	77		20	8	0	8	100	---	---	--	--	--	--	--
Cyanide (µg/L)															
Total Cyanide	335.2	50		50	8	0	8	100	---	---	--	--	--	--	--
Weak Acid Dissoc. Cyanide	SM4500CN-I			50	8	0	8	100	---	---	--	--	--	--	--

TABLE 4-1
STATISTICAL SUMMARY OF GROUNDWATER DATA - WELL MW104
12/00 TO 06/03
UNION STATION

-- = Not Applicable.

J = Data qualifier indicating that the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UCL = Upper confidence limit.

NC = Not calculated.

= UCL exceeds the cleanup level.

(a) Cleanup levels are from Table 1 of the Cleanup Action Plan, unless otherwise indicated.

(b) Practical quanitation limits are from Table 1 of the Cleanup Action Plan, unless otherwise indicated.

(c) The number of samples is equal to the number of samples analyzed.
not included in the statistical evaluation due to sample collection and extraction procedures (see text).

(d) Censored data consists of nondetected results and detected values less than the PQL.

(e) Statistical Case Nos:
0 = Data set consists of 100% censored data
1 = Data set consists of not more than 15 % censored data.
2 = Data set consists of more than 15 % censored data but less than or equal to 50% censored data.
3 = Data set consists of more than 50 % censored data but less than 100 % censored data.

(f) No UCL, mean, standard deviation, or median were calculated for data sets with 100% censored data. Also, no UCL was calculated for background wells B-4 and B-6/B-6R.

(g) Screening level is based on the 90th percentile of the background data obtained from well B4 or B6/B6R. The 90th percentile was calculated using MTCAstat 97 Background Module.

(h) Practical quantitation limit is equal to approximately 10 times the laboratory method detection limit.

(i) Upper confidence limit calculated using MTCAStat 97 Site Module.

(j) The data set was determined to be neither lognormally nor normally distributed by MTCAstat; therefore, in accordance with the Supplement to Statistical Guidance for Ecology Site Managers (Ecology 1993), the upper confidence level was set equal to the maximum concentration in the data set.

(k) Practical quantitation limit based on method reporting limit and PQLs of similar compounds

(l) The data set consists of less than or equal to 15 % censored data (Case No. 1): therefore, in accordance with the Supplement to Statstical Guidance for Ecology Site Managers (Ecology 1993), all nondetected values were replaced with 1/2 the detection limit and all detected values less than the PQL were replaced with the detection limit. Statistics were then performed on the adjusted data.

(m) Greater than 50% of the data are censored; therefore, in accordance with the Supplement to Statistical Guidance for Ecology Site Managers (Ecology 1993), the upper 95% confidence limit was set equal to the maximum concentration in the data set.

(n) Practical quantitation limit identified for total xylenes in Cleanup Action Plan.

TABLE 4-2
SUMMARY OF CLEANUP AND SCREENING LEVEL EXCEEDANCES
(Concentrations in µg/L)

Constituent	Location	CAP CUL	Background-based Screening Level	12/2000 - 6/2003 UCL	9/2000 - 6/2002 UCL	9/1999 - 6/2001 UCL	6/1998 - 6/2000 UCL	Comments
Acenaphthene	MW-101R	225	454	350	350	340	276	Apparent off-property sources
Benzene	Well MW-101R	71	233	82	77	78	104	Apparent off-property sources
	Well MW-105	71	233	350	361	376	373	
Arsenic	MW-101R	4	35	13	13	14	14	Apparent off-property sources
	MW-102R	4	35	9.4	9	9	7	
	MW-105	4	35	19	19	18	21	
	MW-107R	4	35	8	8	8	10	
	MW-108R	4	35	15	15	12	8	

CAP CUL = Cleanup level listed in the Cleanup Action Plan.
UCL = Upper Confidence Limit.

APPENDIX A

Data Validation Technical Memoranda

TECHNICAL MEMORANDUM

LANDAU ASSOCIATES
ENVIRONMENTAL | GEOTECHNICAL | NATURAL RESOURCES

TO: Kristy Hendrickson, Project Manager

FROM: Terry McGourty and Stacy Pischer

DATE: August 25, 2003

RE: UNION STATION
ANNUAL 2003 GROUNDWATER SAMPLING
LABORATORY DATA QUALITY EVALUATION

This memorandum provides the results of a data quality evaluation for nine groundwater samples collected during the quarterly groundwater sampling event at the Union Station property on June 25, 2003. A data quality evaluation was performed for the following analyses:

- Total petroleum hydrocarbons [TPH; Washington State Department of Ecology (Ecology) Methods NWTPH-G and NWTPH-Dx]
- Volatile organic compounds [VOCs; U.S. Environmental Protection Agency (EPA) Method 8260]
- Polycyclic aromatic hydrocarbons [PAHs; EPA Method 8270 with selected ion monitoring (SIM)]
- Semivolatile organic compounds (SVOCs; EPA Method 8270)
- Dissolved metals (EPA Method 200.8/7470)
- Total metals (EPA Method 6010B)
- Total dissolved solids and total suspended solids (EPA Methods 160.1 and 160.2, respectively)
- Total cyanide (EPA Method 9010) and Weak Acid Dissociable (WAD) cyanide (Standard Method 4500-CN I)
- Major ions (alkalinity by Standard Method 2320, bromide by Standard Method 4500Br-B, chloride by EPA Method 325.2, nitrate + nitrite by EPA Method 353.2, nitrite by EPA Method 354.1, nitrate by EPA calculation, sulfate by EPA Method 375.2, and fluoride by EPA Method 340.2).

All of the above analyses were performed by Analytical Resources, Inc. (ARI) laboratory located in Seattle, Washington. This data quality evaluation covers ARI data package FP47.

The data quality evaluation was performed in accordance with Appendix A of the *Union Station Property Cleanup Action Plan* (CAP; Landau Associates 1997), and with applicable portions of the EPA *Contract Laboratory Program National Functional Guidelines for Organic Data Review* and *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* (EPA 1994a,b).

The evaluation considered the following elements:

- Chain-of-custody records
- Holding times

- Blank results (laboratory and field)
- Surrogate recoveries
- Laboratory matrix spikes and matrix spike duplicates (MS/MSD) (including laboratory control samples)
- Duplicate analyses (field and laboratory)
- Reporting limits
- Completeness.

Data validation qualifiers are added to sample results based on the evaluation of data quality. The absence of a data qualifier indicates that the datum is acceptable without qualification. The data qualifiers added to this data set are summarized in Table 1.

CHAIN-OF-CUSTODY RECORD

A signed chain-of-custody record accompanied the data package. All analyses requested were performed.

HOLDING TIMES

For all analyses and all samples, the time between sample collection, extraction, and analysis was determined to be within EPA holding times, except as discussed below.

- **PAH Analyses by 8270 SIM**. Sample MW-102R required three extractions due to a broken sample container and indications of laboratory contamination during the second re-extraction. The third re-extraction occurred 15 days past the method-specified holding time. Based on this data quality evaluation, it is recommended that the PAH 8270 SIM results from the third re-extraction of sample MW-102R be reported but qualified as estimates (J detects, UJ nondetects) due to the holding time exceedance, as indicated in Table 1.

SURROGATE SPIKE RECOVERIES

Surrogates were added to each sample for each organic analysis. Recoveries of the surrogates were within the laboratory-specified control limits with the following exceptions:

- Recovery of surrogate d4-2-chlorophenol was slightly below the lower laboratory-specified control limit during the SVOC dilution analysis of sample MW-107R. However, in accordance with EPA guidelines (EPA 1994a), no qualifiers are assigned to SVOC data unless two or more surrogates of the same fraction are outside the laboratory control limits. Therefore, no qualifiers were assigned to the SVOC data for sample MW-107R.

- Recovery of surrogate d14-p-terphenyl was slightly below the lower laboratory-specified control limit during the SVOC analysis of sample B-4. However, in accordance with EPA guidelines (EPA 1994a), no qualifiers are assigned to SVOC data unless two or more surrogates of the same fraction are outside the laboratory control limits. Therefore, no qualifiers were assigned to the SVOC data for sample B-4.

- Surrogates were diluted out during SVOC dilution analysis of samples MW-101R, MW-109, and B-4. No qualifiers were added to the data due to surrogates being diluted out.

- The recovery values for one of the surrogates (d10-2-methylnaphthalene) spiked into samples MW-105 and B4 during the PAH analyses of these samples were below the lower laboratory-specified control limit. The laboratory indicated that the low recovery value for this surrogate in these samples was due to interference from high levels of naphthalene and 2-methylnaphthalene with the d8-naphthalene internal standard. Recovery of the second surrogate for each sample was within the laboratory control limits; therefore, no qualifiers were assigned to the PAH data.

- The recovery value for one of the surrogates (d10-2-methylnaphthalene) spiked into sample MW-109 during the PAH analysis exceeded the upper laboratory-specified control limit. Recovery of the second surrogate was within the laboratory control limits; therefore, no qualifiers were assigned to the PAH data.

- The recovery of surrogate d10-2-methylnaphthalene was slightly below the lower laboratory control limit for the method blank associated with the third PAH analysis of sample MW-102R. The recovery of the second surrogate in the method blank was within laboratory control limits; therefore, no qualifiers were assigned to the data.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

One matrix spike/matrix spike duplicate (MS/MSD) was performed with each organic analysis. One matrix spike (MS) was performed with the each inorganic analyses. MS/MSDs were prepared using a project sample and spiked with appropriate target analytes. The MS for total metals was not evaluated due to high concentrations of the total metals (i.e. major cations) in the parent sample, MW-108R. During the initial sulfate analysis, the MS recovery for sulfate was below the lower laboratory control limit. The MS for sulfate was re-analyzed and again showed the MS recovery was below the lower laboratory control limit. Sulfate results for all the project samples were qualified as estimates (J detects, UJ nondetects), as indicated in Table 1. All other recoveries and relative percent differences (RPDs) were all within the laboratory or method-specified control limits.

LABORATORY DUPLICATE

One laboratory duplicate (or laboratory replicate) was analyzed for total cyanide, WAD cyanide, TSS, TDS, and major ions. All RPDs (or relative percent differences for replicates) were within the method or laboratory control limits. No qualification of the data was necessary.

LABORATORY CONTROL SAMPLE (BLANK SPIKE) RESULTS

At least one laboratory control sample, blank spike, or standard reference material sample was analyzed with each batch of samples. Laboratory control sample duplicates were analyzed for VOC and NWTPH-Gx. All recoveries and RPDs were within the laboratory or method-specified control limits.

METHOD BLANKS

Method blanks were analyzed with each batch of samples. Napthalene was detected in the method blank associated with the PAH 8270 SIM analyses. Naphthalene results for the associated project samples were greater than 5 times the method blank concentration with the exception of the naphthalene concentration in sample MW-102R. This concentration was less than 5 times the method blank concentration; therefore, the naphthalene result for MW-102R was qualified as a nondetect (U). No further qualification of the data was necessary.

FIELD TRIP BLANKS

One trip blank was submitted to the laboratory for both the VOC and NWTPH-G analyses. No contamination was detected in the trip blank. No qualification of the data was necessary.

FIELD DUPLICATE RESULTS

One blind field duplicate sample was collected meeting the requirement specified in Appendix A of the Cleanup Action Plan of one duplicate per 20 samples, but no less than one field duplicate per sampling round. RPDs between the blind field duplicate sample results were all within project-specified control limits of 20 percent, with the following exceptions:

- **VOCs**. The RPD between duplicate sample results for 1,2,4-trimethylbenzene, isopropylbenzene, and 4-isopropyltoluene exceeded the project-specified control limits. All detected project sample results for these constituents were qualified as estimates (J), as indicated in Table 1.

- **SVOCs**. The RPD between duplicate sample results for naphthalene and 2-methylnaphthalene exceeded the project-specified control limits. All detected project sample results for these constituents were qualified as estimates (J), as indicated in Table 1.

REPORTING LIMITS

Method and/or project-specified reporting limits were met with the following exception:

- Bromide results for samples MW-101R, MW-104, MW-105, MW-107R, and MW-109 were 5 times the standard reporting limit of 0.10 mg/L. The raised reporting limits are due to matrix interferences, which required dilution of the samples.

OTHER

Other factors that may affect the use of the data and require further qualification, include the following:

- During the PAH analysis of samples MW-101R, MW-105, MW-107R, and MW-109 by EPA Method 8270 SIM, the d10-acethnaphthylene internal standard areas exceeded the method control limit of 100 percent. The laboratory reported that these exceedances were due to

matrix interference. Because acenaphthylene is quantified using this internal standard, the acenaphthylene results for these samples may be biased low. Acenaphthylene was detected in each of the samples. These detected concentrations were qualified as estimates (J).

- During the third PAH analysis of sample MW-102R by EPA Method 8270 SIM, the d10-phenanthrene internal standard area slightly exceeded the method control limit of 100 percent. Because anthracene and fluoranthene are quantified using this internal standard, the anthracene and fluoranthene results for this sample may be biased slightly low. Anthracene and fluoranthene were detected in sample MW-102R and the results were qualified as estimates (J).

OVERALL DATA QUALITY AND COMPLETENESS

Data precision was evaluated through laboratory, field, and matrix spike duplicates. Data accuracy was evaluated through laboratory control samples, surrogate spikes, and matrix spikes. Based on this data quality evaluation, all of the data were determined to be acceptable as qualified, and no data were rejected. The completeness for this set of data is 100 percent, which exceeds the project goal of 90 percent.

REFERENCES

EPA. 1994a. *Contract Laboratory Program National Functional Guidelines for Organic Data Review*. U.S. Environmental Protection Agency.

EPA. 1994b. *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*. U.S. Environmental Protection Agency.

Landau Associates. 1997. *Cleanup Action Plan, Union Station Property, Seattle, Washington.*

TABLE 1
SUMMARY OF DATA QUALIFIERS
ANNUAL 2003 EVENT GROUNDWATER SAMPLE RESULTS
ARI DATA PACKAGES FP47

Analyte	Qualifier	Sample Number	Reason
VOCs			
1,2,4-Trimethylbenzene	J	MW-101R	High RPD in Field Duplicate
	J	MW-109	High RPD in Field Duplicate
Isopropylbenzene	J	MW-101R	High RPD in Field Duplicate
	J	MW-104	High RPD in Field Duplicate
	J	MW-109	High RPD in Field Duplicate
4-Isopropyltoluene	J	MW-101R	High RPD in Field Duplicate
	J	MW-109	High RPD in Field Duplicate
SVOCs			
Naphthalene	J	MW-101R	High RPD in Field Duplicate
	J	MW-105	High RPD in Field Duplicate
	J	MW-107R	High RPD in Field Duplicate
	J	MW-109	High RPD in Field Duplicate
	J	B-4	High RPD in Field Duplicate
	J	MW-108R	High RPD in Field Duplicate
2-Methylnaphthalene	J	MW-101R	High RPD in Field Duplicate
	J	MW-109	High RPD in Field Duplicate
PAHs(sim)			
ALL	J/UJ	MW-102R	15 days outside holding time
Naphthalene	U	MW-102R	Method Blank contamination
Anthracene	J	MW-102R	Internal standard is slightly above control limit
Fluoranthene	J	MW-102R	Internal standard is slightly above control limit
Acenaphthylene	J	MW-101R	Internal standard is slightly above control limit
	J	MW-107R	Internal standard is slightly above control limit
	J	MW-109	Internal standard is slightly above control limit
	J	MW-105	Internal standard is slightly above control limit
Conventionals			
Sulfate	J/UJ	All Samples	Low Matrix Spike Recovery

J = The analyte is present in the sample; the reported concentration is an estimate.
UJ = The analyte was not detected in the sample; the reported sample detection limit is an estimate.

APPENDIX B

Screening Levels Based on Background

UNION STATION:

B4, Acenaphthene

Screening Level Based on Background 10/97- 6/03

MTCA*Stat* 3.0

Number of samples		Uncensored values	
Uncensored	18	Mean	338.89
Censored	0	Lognormal mean	339.97
TOTAL	18	Std. devn.	68.85
		Median	350
		Min.	180
		Max.	450

Lognormal distribution?	Normal distribution?
r-squared is: 0.91	r-squared is: 0.97

Recommendations:

Use lognormal distribution.

Distribution selection	Enter percentile	Value corresponding to that percentile is:
1	90	453.93
1 = Lognormal	50th	331.45
2 = Normal	4 X 50th	1325.79
3 = Nonparametric method	Coefficient of Variation = 0.25	

UNION STATION:

B4, Benzene

Screening Level Based on Background 10/97- 6/03

MTCA*Stat* 3.0

Number of samples		Uncensored values	
Uncensored	18	Mean	150.78
Censored	0	Lognormal mean	150.73
TOTAL	18	Std. devn.	39.13
		Median	140
		Min.	94
		Max.	260

Lognormal distribution?	Normal distribution?
r-squared is: 0.87	r-squared is: 0.79

Recommendations:

Use nonparametric method.

Distribution selection	Enter percentile	Value corresponding to that percentile is:
1	90	204.42
1 = Lognormal	50th	146.76
2 = Normal	4 X 50th	587.04
3 = Nonparametric method	Coefficient of Variation = 0.26	

UNION STATION:

B4, Diesel-Range Petroleum Hydrocarbons

Screening Level Based on Background 10/97- 6/03

MTCA*Stat* 3.0

Number of samples		Uncensored values	
Uncensored	18	Mean	5066.67
Censored	0	Lognormal mean	5033.21
TOTAL	18	Std. devn.	3009.01
		Median	4000
		Min.	2300
		Max.	15000

Lognormal distribution?	Normal distribution?
r-squared is: 0.94	r-squared is: 0.75

Recommendations:

Use lognormal distribution.

Distribution selection	Enter percentile	Value corresponding to that percentile is:
1	90	8671.21
1 = Lognormal	50th	4487.24
2 = Normal	4 X 50th	17948.96
3 = Nonparametric method	Coefficient of Variation = 0.55	

2400 **UNION STATION**

3100 **B4, Gasoline-Range Petroleum Hydrocarbons**

3200 **Screening Level Based on Background 10/97- 6/03**

3300 MTCA*Stat* 3.0

3800 Number of samples		Uncensored values	
4100 Uncensored	18	Mean	5061.11
4500 Censored	0	Lognormal mean	5087.89
4800 TOTAL	18	Std. devn.	1593.42
5200		Median	5300
5400		Min.	2400
5700		Max.	9000

5900

6000 Lognormal distribution?	Normal distribution?
6000	
6000 r-squared is: 0.94	r-squared is: 0.94

6200

6500 Recommendations:

9000 Use lognormal distribution.

Distribution selection		Value corresponding
	Enter percentile	to that percentile is:
1	90	7581.16
1 = Lognormal	50th	4817.87
2 = Normal	4 X 50th	19271.46
3 = Nonparametric method	Coefficient of Variation = 0.37	

UNION STATION:

B-6R, Arsenic

Screening Level Based on Background 10/97- 6/03

MTCA*Stat* 3.0

Number of samples		Uncensored values	
Uncensored		Mean	20.28
Censored	0	Lognormal mean	20.59
TOTAL	18	Std. devn.	8.31
		Median	20.5
		Min.	6
		Max.	35

Lognormal distribution?	Normal distribution?
r-squared is: 0.94	r-squared is: 0.97

Recommendations:

Use lognormal distribution.

Distribution selection	Enter percentile	Value corresponding to that percentile is:
1	90	34.95
1 = Lognormal	50th	18.51
2 = Normal	4 X 50th	74.05
3 = Nonparametric method	Coefficient of Variation = 0.53	

Compliance calculations

1,2,4-Trimethylbenzene
ug/L

40
39
37
30
25
40
29
30

MW-101R
1,2,4-Trimethylbenzene
Union Station 2003

Number of samples		Uncensored values	
Uncensored	8	Mean	33.75
Censored	0	Lognormal mean	33.83
Detection limit or PQL	10	Std. devn.	5.89794153
Method detection limit	1	Median	33.5
TOTAL	8	Min.	25
		Max.	40

Lognormal distribution?		Normal distribution?	
r-squared is:	0.889	r-squared is:	0.889

Recommendations:

Reject BOTH lognormal and normal distributions. See Statistics Guidance.