DECEMBER 17, 2010

# RESULTS OF GROUNDWATER MONITORING AND GROUNDWATER EXTRACTION AND TREATMENT PILOT TESTING

## THIRD QUARTER 2010

## RAYTHEON COMPANY

## (FORMER HUGHES AIRCRAFT COMPANY)

## 1901 WEST MALVERN AVENUE

## FULLERTON, CALIFORNIA

PREPARED FOR:
RAYTHEON COMPANY

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

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December 17, 2010

VIA FEDERAL EXPRESS – STANDARD

Mr. William F. Jeffers, PE
Hazardous Substances Engineer
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL
9211 Oakdale Avenue
Chatsworth, CA 91311-6505

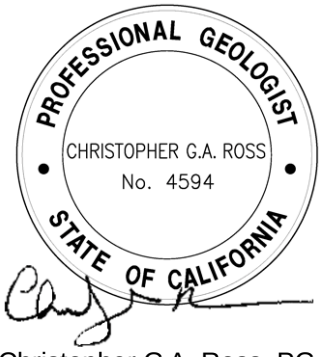
Re: Transmittal of Results of Groundwater Monitoring and Groundwater Extraction and Treatment Pilot Testing, Third Quarter 2010, Raytheon Company, (Former Hughes Aircraft Company), 1901 West Malvern Avenue, Fullerton, California

Dear Mr. Jeffers:

Enclosed are one hard copy and one compact disc that contains an electronic copy of the above-referenced report. If you have any questions or require further information, please contact us at 858-455-6500.

Sincerely,

HARGIS + ASSOCIATES, INC.

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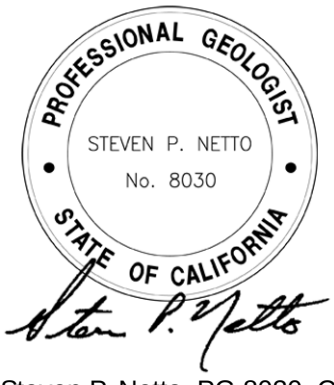


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## ACRONYMS AND ABBREVIATIONS

| | |
|---|---|
| 1,1-DCA | 1,1-Dichloroethane |
| 1,1-DCE | 1,1-Dichloroethylene |
| 1,1,2-TCA | 1,1,2-Trichloroethane |
| 1,2-DCA | 1,2-Dichloroethane |
| AGAWP | Additional Groundwater Assessment Work Plan |
| ATL | Advanced Technology Laboratories, Inc., Signal Hill, California |
| bgs | Below ground surface |
| cis-1,2-DCE | cis-1,2-Dichloroethylene |
| CM | Conceptual Model |
| CM1 | Conceptual Model Alternative 1 |
| CMS | Corrective Measures Study |
| COPCs | Compounds of potential concern |
| DTSC | California Environmental Protection Agency, Department of Toxic Substances Control |
| DWR | California Department of Water Resources |
| EPA | United States Environmental Protection Agency |
| GETS | Groundwater Extraction and Treatment System |
| GMWP/SAP | Groundwater Monitoring Work Plan and Sampling and Analysis Plan |
| gpm | Gallons per minute |
| H+A | Hargis + Associates, Inc. |
| HiPOx | Hydrogen peroxide |
| LAS | Lower Aquifer System |
| MCL(s) | Maximum Contaminant Level(s) |
| msl | Mean sea level |
| MAS | Middle Aquifer System |
| OCGB | Orange County Groundwater Basin |
| PCE | Tetrachloroethylene |
| QA/QC | Quality assurance/quality control |
| RCRA | Resource Conservation and Recovery Act |
| RFI | RCRA Facility Investigation |
| the Site | former Raytheon Company facility located at 1901 West Malvern Avenue, Fullerton, California |
| TCE | Trichloroethylene |
| TCFM | Trichlorofluoromethane |
| UAS | Upper Aquifer System |
| ug/l | Micrograms per liter |
| VOC(s) | Volatile organic compound(s) |

# RESULTS OF GROUNDWATER MONITORING AND GROUNDWATER EXTRACTION AND TREATMENT PILOT TESTING THIRD QUARTER 2010 RAYTHEON COMPANY (FORMER HUGHES AIRCRAFT COMPANY) 1901 WEST MALVERN AVENUE FULLERTON, CALIFORNIA

## 1.0 INTRODUCTION

This report presents the results of groundwater monitoring and groundwater treatment pilot testing conducted during the third quarter 2010 at the former Raytheon Company (formerly Hughes Aircraft Company) facility located at 1901 West Malvern Avenue, Fullerton, California (the Site) (Figure 1). Previous investigations at the Site were conducted as part of the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) under the direction of the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) (Hargis + Associates, Inc. [H+A], 1998). Periodic groundwater monitoring and additional groundwater assessment have been conducted since completion of the RFI to support a Corrective Measures Study (CMS) for the Site under continuing direction of the DTSC. As part of the CMS, an extended groundwater extraction and treatment pilot test began operation in July 2008 (H+A, 2003a, 2003b, 2003c, 2003d, 2004a, 2004b, 2005a, 2005b, 2008b, 2009c, 2009d and 2010b).

Groundwater monitoring consists of measuring groundwater levels and collecting groundwater samples from monitor wells and piezometers at the Site (Figure 2). Quarterly water level measurements and groundwater samples were collected in September 2010 from accessible monitor wells and piezometers in general accordance with the Groundwater Monitoring Work Plan and Sampling and Analysis Plan (GMWP/SAP), except if noted herein (Section 2.1) (Table 1) (H+A, 2003c).

A summary of regional and local hydrogeologic conditions in the area and at the Site are presented in the following sections. Regional and local hydrogeologic conditions are described in greater detail in previously submitted well construction reports (H+A, 2005c, 2009b and 2010d).

## 1.1 REGIONAL HYDROGEOLOGIC FRAMEWORK

The Site is located within the Orange County Groundwater Basin (OCGB). Aquifers in the OCGB have been divided into three separate systems called the upper, middle, and lower regional groundwater systems (California Department of Water Resources [DWR], 1967).

The Upper Aquifer System (UAS) is located within the OCGB to the south of Malvern Avenue. The UAS in this area includes stream terrace and older alluvial deposits as well as the La Habra/Lakewood formation. It is believed that coarse-grained facies in the La Habra/Lakewood formation, corresponding to the upper aquifer, pinch out south of the Coyote Hills or are folded and unconformably truncated near the southern boundary of the Site (H+A, 2005c, 2009b, and 2010d).

The Middle Aquifer System (MAS) underlies the UAS to the south of Malvern Avenue and extends to approximately -1,500 feet mean sea level (msl) in this area. The MAS is believed to include the Coyote Hills formation and the San Pedro formation and may include portions of the La Habra formation incised as channels into the underlying Coyote Hills formation.

The Lower Aquifer System (LAS) underlies the MAS and extends to the base of the freshwater zone. The LAS is believed to include portions of the Fernando group of Pliocene age. The base of the freshwater zone in the vicinity of the Site is estimated to be approximately -300 feet msl just north of the Site and -3,000 feet msl south of the Site in the OCGB (DWR, 1967). The base of the freshwater zone immediately beneath the Site has not been established.

Groundwater production in the OCGB is primarily from the lower portion of the UAS and the upper portion of the MAS between approximately -250 feet msl and -1,000 feet msl (DWR, 1967).

## 1.2 SITE HYDROGEOLOGY

The conceptual groundwater model for the Site was refined after completion of additional groundwater assessment activities in 2004, 2008, 2009, and 2010. Results of the additional groundwater assessments were documented in the *Deep Boring and Well Construction and Groundwater Sampling Report*, and in the *Additional Groundwater Assessment Primary Transport Zone (Target Zone) Well Construction and Groundwater Sample Report*, submitted to the DTSC in March 2005 and March 2009, respectively (H+A, 2005c, 2009b, and 2010c). The following provides a general overview based on the RFI and well construction reports for the Site.

Two localized perched water zones were identified under portions of the Site during the course of the RFI (H+A, 1998). Perched zones were identified based on the occurrence and behavior of groundwater, and are not clearly expressed lithologically. The perched zones do not represent a usable source of groundwater due to the limited area over which they occur and the small quantities of water flowing through these zones. Depth to water within the northern perched zone, which was the subject of prior voluntary remediation, has ranged from approximately 90 feet below ground surface (bgs) to approximately 135 feet bgs in perched zone piezometers and extraction wells at the Site (H+A, 2000 and 2009a).

The water table of the regional groundwater system beneath the Site occurs across several hydrostratigraphic zones in sand, silt, and clay at depths that have ranged from approximately 100 feet bgs to approximately 190 feet bgs in monitor wells at the Site (H+A, 1998 and 2009a). The upper portion of the regional groundwater system is heterogeneous as indicated by the differences in the lithology encountered during the construction of groundwater monitor wells. The hydraulic conductivity of these sediments was estimated to range from approximately 0.1 foot per day to approximately 100 feet per day. Monitor wells completed in lithologic intervals with varying degrees of hydraulic communication with each other and with aquifer units in the OCGB respond differently to changes in regional water levels. Those in good communication respond rapidly to regional changes, while those in finer-grained or isolated lithologic units exhibit a dampened and delayed response to regional water level changes. This differential response may also appear as reversals of the vertical hydraulic gradients in the vicinity of paired monitor well groupings. Such reversals tend to be

repeated, representing a seasonally-linked pattern of gradient reversals related to periods of high basin-wide groundwater extraction and the shorter winter season when basin-wide groundwater extractions are typically reduced (H+A, 2005c, 2009b, and 2010d).

Site hydrostratigraphic units consist of strata having similar hydraulic properties and lithologic characteristics which have been correlated across the Site. The soils encountered at the Site are generally interbedded sand, silty to clayey sand, sandy silt, and sandy clay, with local gravel layers (H+A, 1998). Soil types encountered in the subsurface are typically very discontinuous, precluding detailed correlation of thin interbeds between boreholes. However, larger-scale correlations have been made based on multiple lines of evidence to support the identification of several hydrostratigraphic units beneath the Site (H+A, 2005c, 2009b, and 2010d).

The hydrogeology in the southern portion of the Site is heterogeneous and is interpreted to include a structural fold based on regional subsurface studies and on an evaluation of Site lithology, water level, and water quality trends (H+A, 2005c, 2009b, and 2010d). A conceptual groundwater model was developed as part of the RFI and was subsequently refined to incorporate this structural feature following subsequent phases of additional subsurface exploration, including exploratory boring and deep monitor well construction. The conceptual groundwater model has been designed to be both descriptive of hydrogeologic conditions observed in the subsurface, as well as predictive of conditions likely to be encountered in the course of any additional subsurface work. The conceptual groundwater model is intended to describe conditions at both the regional scale and at the smaller, Site-specific scale. Refinements to the conceptual groundwater model may be made as it is continuously tested against additional new groundwater monitoring data and other new data that may become available over time.

## 1.3 ASSESSMENT OF GROUNDWATER CONCEPTUAL MODEL

Based on results of assessment activities, two alternative conceptual groundwater models were developed, refined, and evaluated using multiple lines of evidence (H+A, 2005c and 2009b). One of these alternatives, previously referred to as Conceptual Model Alternative 1 (CM1), appears to provide better correlation with observed water level trends, water quality data,

lithology, and geophysical logs. The following provides interpretations based solely on CM1, hereafter referred to as the Conceptual Model (CM).

Strata underlying the southern flank of the Coyote Hills are believed to dip gently southward to the north of the Site, and are well documented to be nearly horizontal in the OCGB south of the Site (DWR, 1967). The southern boundary of the Coyote Hills exhibits a monoclinal fold below the surficial terrace deposits, resulting in a local southward dip of approximately 40 to 45 degrees between exploratory borings EB-1/EB-3 and EB-2/EB-4, and flattening to the south near Malvern Avenue.

Refinements to the CM have been made principally based on ongoing comparison of the amplitude and timing of hydraulic responses observed in the regional groundwater system wells at the Site to the seasonal water level fluctuations and apparent local off-site pumping influences, while also considering the lithology observed at monitor well borings at the Site, regional geologic conditions, and the distribution of compounds of potential concern (COPCs) in groundwater. The geologic framework for the CM was refined to identify monitor wells that are completed in the same informal hydrostratigraphic units. This assists in evaluating observed water levels and water quality as well as supporting a more focused groundwater monitoring program. The refinement relied to a large degree on the historical water levels monitored at respective monitor wells. Water level elevations measured in groundwater monitor wells that exhibit similar hydraulic responses and that appear to be screened within similar lithologic zones have been plotted (Figures 3 through 8). Within the framework of the refined CM, four zones that are relatively more responsive to water level fluctuations and/or are generally more permeable have been identified as Units A, B, C and D, with intervening zones that are either less responsive to water level fluctuations and/or are generally less permeable identified as Units AB and BC (Figure 9).

Groundwater sampling events since December 2007 have produced data in support of the CM based primarily on the detections of 1,1-dichloroethylene (1,1-DCE) and / or 1,4-dioxane in deep monitor wells MW-26C, MW-28, MW-29, MW-30A, MW-30B, MW-31, MW-32 and MW-33, and extraction well EW-02, and also on water level correlations between monitor wells at the Site (Tables 2 through 5; Figures 2 through 9). In addition, the lithology and geophysical response in boreholes encountered during the construction of the newer deep monitor wells

supports the CM. Details regarding the well installation and the implications of the groundwater data obtained from recently installed monitor wells MW-31, MW-32 (triple-nested well), MW-33, and extraction well EW-02 were recently submitted in a well construction report in accordance with the schedule outlined in the Additional Groundwater Assessment Work Plan (AGAWP) Addendum No. 2A (H+A, 2009c). An evaluation of the latest lithologic, geophysical, water level, and water quality data from wells installed as part of the AGAWP Addendum No. 2A was presented in the well construction report submitted to the DTSC in November 2010 (H+A, 2009c and 2010d).

# 2.0 GROUNDWATER MONITORING

Quarterly groundwater monitoring was conducted in September 2010 in general accordance with the GMWP/SAP (H+A, 2003c). Groundwater monitoring included water level measurements in all Site monitor wells, piezometers, and extraction wells (Figures 2 and 10). Water levels were measured on September 7 and 8, 2010 (Table 3). Groundwater samples were collected from piezometers and monitor wells according to the analytical schedule detailed in the GMWP/SAP (H+A, 2003c), as updated (Table 1). Groundwater samples were collected during the period from September 7 through September 10, 2010 (Tables 4 and 5). Additional groundwater monitoring was conducted as part of routine operation and monitoring of the pilot Groundwater Extraction and Treatment System (GETS) (Section 3.0).

## 2.1 WELL ACCESSIBILITY AND STATUS

All existing wells and piezometers at the Site were accessible during the September 2010 groundwater monitoring event.

### 2.1.1 Decommissioned Wells

Several wells and piezometers that were installed prior to and during the RFI, and as part of earlier Site remediation activities, were previously decommissioned during property redevelopment at the Site. Data from wells and piezometers that have been decommissioned provide limited usefulness in the interpretations of ongoing water level and water quality trends at the Site. Therefore, water level and water quality data collected from wells and piezometers that were decommissioned have been excluded from the data tabulations compiled for this report (Tables 2 through 5). Water level and water quality data collected from the wells and piezometers that were decommissioned prior to 2002 were most recently summarized in the April 2002 groundwater monitoring report (H+A, 2002). Water level and water quality data collected from the wells and piezometers that were decommissioned between 2002 and 2003 were most recently summarized in the March 2004 groundwater monitoring report (H+A, 2004c).

### 2.1.2 Wells Installed Since Approval of the Sampling and Analysis Plan

Monitor wells MW-24, MW-26A, MW-26B, MW-26C, MW-27, MW-28, MW-29, MW-30A, MW-30B, MW-31, MW-32A, MW-32B, MW-32C, and MW-33, and extraction wells EW-01 and EW-02 were installed after approval of the GMWP/SAP and have been incorporated into the quarterly groundwater monitoring program at the Site (Tables 1 and 2; Figure 2). In accordance with the AGAWP Addendum 2A, installation of monitor wells MW-31, MW-32 nest, and MW-33 were completed during the fourth quarter 2009 and third quarter 2010 and have been incorporated into the quarterly groundwater monitoring program (H+A, 2009c, 2009e, and 2010b). In accordance with the GETS Pilot Study Corrective Measures Work Plan Addendum No. 4A, installation of extraction well EW-02 was conducted in the fourth quarter 2009, initial startup of extraction well EW-02 was completed in March 2010, groundwater monitoring is conducted as part of routine operation and monitoring of the pilot GETS (H+A, 2009d).

## 2.2 GROUNDWATER LEVELS

Depth to groundwater was measured in all piezometers, monitor wells, and extraction wells as part of the third quarter 2010 groundwater monitoring round. Water level elevations were calculated by subtracting the measured depth to water in each well from its surveyed reference point elevation (Table 3). Groundwater level elevations measured in September 2010 have been plotted for the perched zone and the regional groundwater system (Figure 10). Water level elevation in the Unit B wells has been contoured (Figure 11).

### 2.2.1 Perched Zone Water Levels

A hydrograph presenting historical water level data for the perched zone has been prepared (Figure 12). Water levels in the upgradient (northern) portion of the perched zone were depressed during operation of the voluntary dual-phase extraction system, but gradually recovered in 2000 and 2001 (represented by former piezometers P-02D and P-04 on Figure 12). Since then, water levels in the northern portion of the perched zone have remained relatively stable. The water level elevation in piezometer P-09, which is located in the northern

portion of the perched zone, has been stable between about 60 feet msl and 65 feet msl, fluctuating within a range of less than about 2.5 feet over its period of record since installation in mid-2003. Water levels across most of the perched zone do not appear to consistently reflect the seasonal fluctuations observed in regional groundwater system monitor wells at the Site (Section 2.2.2), indicating that the perched zone is not in direct hydraulic communication with the regional groundwater system.

Water level trends observed in the southernmost perched zone piezometer, P-07, suggest that the perched zone merges with the regional groundwater system in this area. Water level increases were observed in piezometer P-07 between December 2005 and June 2006, followed by a decline to dry conditions by September 2007 (Figure 12). Regional water levels reached historical highs within this same period in mid-2006 and began a continual decline during the last three quarters of 2007. The water level elevation in piezometer P-07 has been relatively stable and slowly increasing (until recently) since December 2007 while the regional groundwater system continued to decline to historical lows in late 2008. The water level elevation in piezometer P-07 decreased by approximately 0.3 foot between June 2010 and September 2010. Trends observed in piezometer P-07 suggest that this piezometer responds to regional water level increases above a certain threshold near approximately 30 feet msl, but does not exhibit a direct hydraulic connection with the regional groundwater system under typical conditions at the Site, where regional groundwater levels are depressed by production well pumping in the OCGB and lower than 30 feet msl at the Site.

### 2.2.2 Regional Groundwater System Water Levels

Water level elevations decreased in all monitor and extraction wells between June 2010 and September 2010 with the exceptions of MW-08, MW-15, MW-26A, and MW-26B, which increased likely due to the delayed response in the regional system typically observed at those wells (Table 3; Figures 3 through 8) (H+A, 2009a). Measured increases ranged from approximately 1.7 feet at monitor well MW-15 to approximately 0.1 feet at monitor well MW-26A. The highest water level elevation observed in wells at the Site in September 2010 was at monitor well MW-20, at an elevation of approximately 9.0 feet above msl. Excluding extraction well EW-02 (which was pumping), the lowest static water level elevation observed in monitor

wells at the Site in September 2010 was at monitor well MW-29, at an elevation of approximately 12.0 feet below msl (Table 3; Figure 10).

Hydrographs have been prepared based on water levels measured manually during the period from January 1997 through September 2010, and on data collected automatically using pressure transducer/data-loggers during the period from November 1999 through March 2000 and January 2002 through September 2010. Historical water level data from the regional groundwater system indicate an overall decline in regional groundwater levels from early 1997 through late 2002 (Figures 3 through 8). Water levels began to recover in early 2003; following a record rainfall during the 2004-2005 season, water level elevations in regional groundwater monitor wells at the Site reached historical highs by about the spring of 2006. Water levels then rapidly declined to historical lows by November to December 2008. Recently, the majority of water levels have recovered from the historical lows of late 2008. Water level elevations in the regional groundwater system have generally fluctuated seasonally due to variations in groundwater production and recharge in the groundwater basin and, to a lesser extent, cyclical groundwater extraction from regional production wells in the vicinity that are unrelated to the Site (Figures 3 through 8) (H+A, 2008b, 2009a, and 2010a).

Two monitor well clusters are completed in the regional groundwater system, where water levels are monitored at several different vertical intervals to characterize vertical hydraulic gradients between successively deeper portions of the regional groundwater system (EW-01/MW-16/MW-21/MW-24/MW-25, for convenience designated the “Footbridge cluster,” and MW-23/MW-26A/MW-26B/MW-26C, for convenience designated the “Starbuck cluster”) (Table 2; Figures 10, 13, and 14). The following provides a summary of water level elevations based on the September 2010 water level measurements at the Footbridge and Starbuck well clusters (Table 3).

At the Footbridge cluster, the water level elevation in extraction well MW-21 was higher than the water level elevations in the other wells in that cluster, an upward vertical hydraulic gradient was observed between extraction well MW-21 and extraction well EW-01. Downward gradients were observed between extraction well MW-21 and monitor well MW-24, as well as MW-24 and MW-25. With the exception of a reversal in vertical hydraulic gradient between MW-24 and MW-25, directions of vertical hydraulic gradients observed between Footbridge cluster monitor

and extraction wells are consistent with the direction of vertical gradients observed at this cluster in June 2010 (Figure 13) (H+A, 2010b).

At the Starbuck cluster, the water level elevation in monitor well MW-26A was higher than the water level elevations in the other wells in that cluster. An upward vertical gradient was observed between monitor wells MW-26A and MW-23. Downward vertical gradients were observed between monitor wells MW-26A and MW-26B and between monitor wells MW-26B and MW-26C. With the exception of the downward vertical gradient observed between MW-26A and MW-26B, the directions of the vertical hydraulic gradients observed at the Starbuck cluster in September 2010 are not consistent with the direction of vertical gradients observed at this cluster in June 2010. The vertical hydraulic gradients between monitor wells MW-23 and MW-26A and between monitor wells MW-26B and MW-26C exhibited a reversal since June 2010 (Figure 14) (H+A, 2010b).

Occasional seasonal gradient reversals appear to reflect the variable extent of hydraulic communication between Site wells and the regional MAS of the OCGB (Figures 3 through 8). Water level data obtained from the two monitor well clusters indicate that some wells (i.e., EW-01, MW-23, and MW-26C) are highly responsive to piezometric changes in the basin, whether resulting from regional or seasonal fluctuations or from local production well pumping in the northern portion of Fullerton. Other wells (i.e., MW-16, MW-21, and MW-25) appear to be in partial communication with the regional aquifer, exhibiting a dampened and delayed response to changes in the regional system or becoming seasonally isolated from the regional system. Finally, some wells (i.e., MW-24, MW-26A, and MW-26B) appear to be relatively isolated from the regional groundwater system, exhibiting relatively low amplitude and gradual seasonal variation, with high water levels typically in the late spring months and low levels in the early fall (Figures 12 and 13).

## 2.3 CHEMICAL QUALITY OF GROUNDWATER

Two perched zone piezometers, 20 regional groundwater monitor wells, and three extraction wells were sampled in September 2010 (Table 1). All groundwater samples collected during the September 2010 monitoring event were analyzed for volatile organic compounds (VOCs) using United States Environmental Protection Agency (EPA) Method 8260B. Groundwater samples

collected from piezometers P-07 and P-09, monitor wells MW-08, MW-09, MW-16, MW-24, MW-26C, MW-27 through MW-33, and extraction wells MW-21, EW-01 and EW-02 were also analyzed for 1,4-dioxane using modified EPA Method 8270.

Original and duplicate groundwater samples were analyzed by Advanced Technology Laboratories, Inc., Signal Hill, California (ATL) (Appendix A). Laboratory split groundwater samples were analyzed by Exova, formerly Bodycote Testing Group, Santa Fe Springs, California (Appendix A). Chain-of-custody documentation was enclosed with each sample shipment. Results of groundwater sample VOC and 1,4-dioxane analyses have been summarized (Tables 4 and 5).

Prior to groundwater sample collection, each monitor well was purged until three casing or screen volumes were evacuated from the well, or the slow-well protocol was followed for removal of at least one casing or screen volume, as appropriate (H+A, 2003b and 2008b). Groundwater samples were collected from the extraction wellhead(s) during operation of the GETS. Extraction wells EW-01 and MW-21 were turned on temporarily for purging and sampling in September 2010 as current operation of the GETS involves extraction only from EW-02. Field parameters, including pH, specific conductance, dissolved oxygen, turbidity, and temperature, were monitored during well purging. Groundwater sampling field forms are provided (Appendix B).

Quality assurance/quality control (QA/QC) samples collected in September 2010 consisted of trip blanks, equipment rinsate blanks, field duplicates, and laboratory split samples. Trip blanks and the water used to collect the equipment rinsate blanks were provided by ATL. Field duplicate and/or laboratory split samples were collected for analysis of VOCs and 1,4-dioxane from monitor wells MW-16, MW-26A, MW-30B, MW-31 and MW-33 in September 2010 (Table 4). Equipment rinsate blanks were collected at the rate of one per day when non-dedicated purging or sampling equipment was used.

The following sections describe the analytical results for VOC and 1,4-dioxane analyses of groundwater samples collected during the September 2010 monitoring event.

2.3.1 Perched Water Zone

Two perched zone piezometers, P-07 and P-09, were sampled during the September 2010 groundwater monitoring event (Tables 4 and 5; Figure 15). The groundwater samples collected from perched zone piezometers P-07 and P-09 were analyzed for VOCs and 1,4-dioxane. VOCs detected in the groundwater samples collected from piezometer P-07 in September 2010 include 1,1-DCE, trichloroethylene (TCE), tetrachloroethylene (PCE), 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethane (1,2-DCA) and 1,1,2-trichloroethane (1,1,2-TCA). All concentrations were within their respective historical ranges for this piezometer. 1,4-Dioxane was detected in the groundwater sample collected from piezometer P-07 at a concentration of 2,500 micrograms per liter (ug/l), within its historical range. 1,1-DCE was detected in the groundwater sample collected from piezometer P-09 in September 2010, at a concentrations of 13 ug/l, within historical range at this piezometer. 1,4-Dioxane was not detected at piezometer P-09 in September 2010 (Tables 4 and 5).

2.3.2 Regional Groundwater System

Twenty monitor wells and three extraction wells were sampled in September 2010 (Tables 4 and 5; Figure 15). These include monitor wells MW-08, MW-09, MW-15, MW-16, MW-22 through MW-24, MW-26A/B/C cluster, MW-27 through MW-29, MW-30A/B cluster, MW-31, MW-32A/B/C cluster, and MW-33, and extraction wells MW-21, EW-01, and EW-02 (Tables 1, 4, and 5).

Samples collected from all regional groundwater system monitor and extraction wells in September 2010 were analyzed for VOCs. Groundwater samples collected from monitor wells MW-08, MW-09, MW-16, MW-24, MW-26C, and MW-27 through MW-33 and extraction wells MW-21, EW-01, and EW-02 in September 2010 were also analyzed for 1,4-dioxane.

2.3.2.1 Volatile Organic Compounds in Regional Groundwater System Monitor Wells

1,1-DCE was the principal VOC detected in groundwater samples collected from regional groundwater system monitor wells at the Site. The additional VOCs TCE, PCE, 1,1-DCA, 1,2-DCA, cis-1,2-dichloroethylene (cis-1,2-DCE), toluene, 1,1,2-TCA, and trichlorofluoromethane (TCFM) were detected at relatively low concentrations in groundwater samples collected in September 2010 (Tables 4 and 5). The concentration of 1,1-DCE has decreased significantly from the June 2008 historical highs of 4,900 ug/l in extraction well MW-21, and approximately 1,600 ug/l in extraction well EW-01 since operation of the pilot GETS started in July 2008. 1,1-DCE has been detected in groundwater samples collected from monitor well MW-26C beginning in December 2007 through most recently in December 2009. The concentration of 1,1-DCE at monitor well MW-26C has generally declined since December 2007, with recent results non-detect at a concentration of less than 0.5 ug/l in March 2010 through September 2010. VOC concentrations were generally within their respective historical ranges with the following exceptions. Historical high concentrations of 1,1-DCE were detected in the groundwater samples collected from monitor wells MW-31, MW-32B, and extraction well EW-02 at concentrations of 430 ug/l, 58 ug/l and 160 ug/l, respectively (Tables 4 and 5). An historical low concentration of 1,1-DCE was detected in the groundwater sample collected from monitor well MW-28 at a concentration of 5.2 ug/l. 1,1-DCA was detected at historical high concentrations in monitor wells MW-31 and MW-32B at 3.6 ug/l and 0.5 ug/l, respectively. An historical low concentration of 1,1-DCA was detected in the groundwater sample collected from monitor well MW-29 at a concentration of 1.1 ug/l. TCE was detected at historical high concentrations in monitor wells MW-08, MW-31, and MW-32B at 200 ug/l, 17 ug/l, and 63 ug/l, respectively. cis-1,2-DCE was detected at historical high concentrations in monitor wells MW-08 and MW-32B at 9.8 ug/l and 5.7 ug/l, respectively.

2.3.2.2 1,4-Dioxane in Regional Groundwater System Monitor Wells

1,4-Dioxane was detected in groundwater samples collected from regional groundwater system monitor wells MW-08, MW-16, MW-28, MW-29, MW-30A, MW-31 and MW-32B, and extraction wells EW-01, EW-02, and MW-21 in September 2010. Concentrations of 1,4-dioxane detected in September 2010 groundwater samples collected from all monitor wells were generally within their respective historical ranges with the following exception. 1,4-Dioxane was detected at an historical high concentration in extraction well EW-02 at 48 ug/l (Tables 4 and 5).

2.3.2.3 Groundwater Quality in Site Hydrostratigraphic Zones

The following describes 1,1-DCE and 1,4-dioxane detected at the Site in September 2010 within the framework of the Site conceptual groundwater model hydrostratigraphic zones (Tables 1, 4, and 5; Figures 9 and 15).

- Two of five monitor wells screened in Unit A (MW-22 and MW-23) were sampled for VOCs in September 2010. VOCs were not detected in groundwater samples collected from these two Unit A monitor wells.

- Four of five monitor wells screened in Unit AB (MW-15, MW-26A, MW-26B, and MW-32A) were sampled for VOCs in September 2010. 1,1-DCE was detected at a concentration of 2.4 ug/l in the groundwater sample collected from monitor well MW-15, within the historical range for this well. 1,1-DCE was not detected in samples collected from monitor wells MW-26A, MW-26B, and MW-32A.

- All nine monitor wells (MW-16, MW-26C, MW-27, MW-28, MW-29, MW-30A, MW-31, MW-32B, and recently constructed deep monitor well MW-33) and two extraction wells (EW-01 and EW-02) screened in Unit B (Target Zone) were sampled for VOCs and 1,4-dioxane in September 2010. 1,1-DCE was detected in all Unit B monitor wells with the exceptions of MW-26C and MW-27. 1,1-DCE was detected at concentrations of 540 ug/l, 430 ug/l, 140 ug/l, 58 ug/l, 9.0 ug/l, 5.3 ug/l and 5.2 ug/l at monitor wells MW-16, MW-31, MW-29, MW-32B, MW-30A, MW-33 and MW-28, respectively. 1,4-Dioxane was detected in Unit B monitor wells MW-16, MW-29, MW-31, MW-30A,

MW-32B and MW-28 at concentrations of 45 ug/l, 30 ug/l, 5.6 ug/l, 3.6 ug/l, 3.0 ug/l and 2.1 ug/l, respectively. 1,1-DCE and 1,4-dioxane were detected at concentrations of 720 ug/l and 370 ug/l, respectively, at extraction well EW-01. 1,1-DCE and 1,4-dioxane were detected at concentrations of 160 ug/l and 42 ug/l, respectively, at extraction well EW-02 (both of which represent historical high concentrations for EW-02). Neither VOCs nor 1,4-dioxane have been detected at Unit B monitor well MW-27.

- Both monitor wells, MW-08 and MW-30B, and extraction well MW-21 screened in Unit BC were sampled for VOCs and 1,4-dioxane in September 2010. 1,1-DCE was detected at concentrations of 36 ug/l, 11 ug/l, and 1,000 ug/l at monitor wells MW-08 and MW-30B, and extraction well MW-21, respectively. The concentration of 1,1-DCE has declined from 4,900 ug/l in June 2008 (prior to startup of the GETS), to 1,000 ug/l in September 2010 at extraction well MW-21. TCE was also detected in monitor wells MW-08, MW-30B, and extraction well MW-21 in September 2010, at concentrations of 200 ug/l, 65 ug/l, and 21 ug/l, respectively (which represents an historical high concentration for MW-08). 1,4-Dioxane was detected at concentrations of 74 ug/l and 2.4 ug/l in extraction well MW-21 and monitor well MW-08, respectively. The concentration of 1,4-dioxane at extraction well MW-21 has declined from 370 ug/l in June 2008 (prior to startup of the GETS) to 74 ug/l in September 2010, and is within the historical range for this well. 1,4-Dioxane was not detected in monitor well MW-30B in September 2010.

- All three monitor wells screened in Unit C (monitor wells MW-09, MW-24, and MW-32C), were sampled for VOCs and 1,4-dioxane in September 2010. Neither VOCs nor 1,4-dioxane were detected in the groundwater samples collected from monitor wells MW-09, MW-24, and MW-32C.

- Neither monitor well (MW-06 or MW-20) screened in Unit D were sampled for VOCs or 1,4-dioxane in September 2010. These wells are sampled on a semiannual frequency and are scheduled to be sampled in December 2010.

VOC and 1,4-dioxane concentrations will continue to be monitored to evaluate vertical and lateral distribution and to assess trends within and across the Site hydrostratigraphic zones.

2.3.3 Quality Assurance/Quality Control

QA/QC samples, including field duplicates, laboratory split samples, equipment rinsate blanks, and trip blanks, were collected and analyzed for VOCs during the September 2010 monitoring event (Appendix A). In addition, field duplicates and laboratory split samples were collected and analyzed for 1,4-dioxane in September 2010. The relative percent difference was calculated between the results of each field duplicate and each laboratory split sample with its corresponding original sample. This data quality assessment indicated that all QA/QC results for groundwater samples are within acceptable criteria.

There were no detections of VOCs or 1,4-dioxane in the trip, equipment rinsate and/or laboratory method blanks analyzed with groundwater samples collected during the September 2010 groundwater monitoring event (Table 4; Appendix A).

## 3.0 GROUNDWATER EXTRACTION AND TREATMENT PILOT STUDY

This section summarizes the pilot GETS operation within the three-month period of monitoring conducted during the third quarter of 2010. The pilot GETS consists of three groundwater extraction wells, the treatment system, and the disposal system; however, the current phase of pilot testing is operating using one extraction well (EW-02). The treatment system processes extracted groundwater through an advanced oxidation unit that utilizes ozone and hydrogen peroxide (HiPOx), followed by a granular activated carbon polish prior to disposal to the sanitary sewer. A graphical representation of the system operational time in relation to water level measurements at current extraction well EW-02 and the previously utilized extraction wells EW-01 and MW-21 has been provided (Figure 16).

Initial startup of the pilot GETS took place on Tuesday, July 8, 2008. From July 2008 through November 2009, the pilot GETS was operated with extraction wells EW-01 and MW-21. Pilot GETS expansion took place between November 2009 and March 2010 in order to incorporate recently installed extraction well EW-02 into the extraction well network. The system maximum flow rate was also increased from 20 gallons per minute (gpm) to 50 gpm. Beginning March 2010, the pilot GETS was operated with extraction well EW-02.

During the third quarter 2010, the pilot GETS was operational approximately 86 percent of the available runtime and approximately 5,415,309 gallons of groundwater were treated and discharged to the sanitary sewer (Table 6). The average monthly discharge flowrate to the sanitary sewer during July 2010 through September 2010 was approximately 40.9 gallons per minute (gpm). Since startup of the pilot GETS, approximately 19,777,990 gallons of groundwater have been treated at an average flowrate of 16.7 gpm through the end of September 2010 (Table 6).

Daily, weekly, monthly, and quarterly GETS pilot test monitoring activities include collecting samples from extraction wells in addition to collecting samples at treatment system sampling ports: Influent (extraction well EW-02 wellhead when it is the only extraction well operating), Post Particulate Filter, Post HiPOx Oxidation, Carbon Breakthrough, and Carbon Effluent (Tables 7 and 8; Figure 17). Samples collected during these activities were sent to ATL.

Analytical results of the treatment system samples have been summarized (Table 8; Appendix A).

The pilot GETS system expansion was completed and extraction and treatment of groundwater resumed in March 2010. The pilot GETS was restarted on March 22, 2010 with extraction and treatment of groundwater from extraction well EW-02 at a rate of approximately 50 gpm. Extraction wells EW-01 and MW-21 are on standby for the current phase of pilot testing but may be used for future phases of pilot testing or as part of a full-scale pump and treat system.

The pilot GETS continues to remove VOCs and 1,4-dioxane from extracted groundwater. The HiPOx ozone/peroxide advanced oxidation and carbon adsorption treatment units effectively removed VOCs from extracted groundwater. Breakthrough of low-level detections of VOCs was not observed in the third quarter 2010 monitoring samples with the exception of a detection in September of 1,1-DCA of 0.56 ug/L, just above the detection limit (Table 8). The effluent of the HiPOx advanced oxidation treatment unit contained low-level detections of bromate, a secondary by-product, during operations in the third quarter 2010. Carbon adsorption does not effectively remove this compound; however, this compound was detected at concentrations below the pilot GETS permitted sewer discharge limit. The operation of the advanced oxidation system continues to be optimized in an attempt to minimize the formation of bromate (Figure 18).

During the third quarter of 2010, the pilot GETS removed approximately 7.3 pounds of VOCs and 1.9 pounds of 1,4-dioxane from extracted groundwater (Figure 19). Since startup of the pilot GETS in July 2008, approximately 77.8 pounds of VOCs and 12.3 pounds of 1,4-dioxane have been removed from groundwater through September 2010.

# 4.0 DISCUSSION

Perched zone water levels have remained relatively stable with one notable exception. A high water level elevation was observed at piezometer P-07 during the mid-2006 historical high regional groundwater levels, when the regional water table rose into the southern, lower levels (toe) of the perched zone. The water level in piezometer P-07 declined in late 2006 and 2007 as the regional groundwater level declined. Water levels observed at piezometer P-07 have since recovered to similar water level elevations historically observed at this piezometer. To the north, water levels in perched zone piezometer P-09 have remained relatively stable, and water levels in this portion of the perched zone do not exhibit seasonal variation (Figure 12). Water quality data obtained from the perched zone indicate that the perched zone remediation system that operated from about late 1998 to 2000 was effective at reducing concentrations of VOCs, particularly 1,1-DCE, in perched zone water. VOC concentrations in the perched zone have apparently stabilized after a long-term decline. 1,4-Dioxane concentrations remain relatively stable in perched zone water (Table 4).

Regional groundwater system water level data obtained in September 2010 indicate a continuation of the seasonal variations superimposed on long-term trends. The water level declines observed between mid-2006 and December 2008 represent the most rapid overall decline observed during the period of monitoring with water levels decreasing from historical highs to historical lows in all Site regional groundwater system monitor and extraction wells (Figures 3 through 8). The most dramatic declines were observed in wells completed in Unit B, where the water level decline between mid-2006 and December 2008 was about 70 feet. Water level elevations in Site monitor wells have since exhibited recovery and seasonal trend variation.

The following conclusions have been formulated regarding the regional groundwater system based on previous investigations and recent monitoring conducted at the Site. The operations formerly conducted at the Site have impacted two areas of the regional groundwater system.

- The first area is located where the perched zone merges with the regional groundwater system near monitor well MW-16 (Figures 2 and 9).

- Historically, the regional groundwater level at monitor well MW-16 has been lower than the water level at the toe of the perched zone in piezometer P-07. However, water levels reached historical highs in regional groundwater system monitor wells at the Site in March and June 2006, and the water level elevation in monitor well MW-16 was at a similar elevation as the water level in piezometer P-07 (Figures 5 and 12). By September 2006, the water level elevation in monitor well MW-16 had again decreased to below the water level in piezometer P-07, and has since remained below the elevation of the toe of the perched zone (Figures 5, 9, and 12).
- The COPCs are limited to VOCs (principally 1,1-DCE) and 1,4-dioxane.
- VOC concentrations at monitor well MW-16 have been variable, and in September 2010, concentrations remained within the historical ranges for this well, with the exception of an historically high detection of TCE (4.9 ug/l) (Tables 4 and 5).
- VOC concentrations at extraction well EW-01, adjacent to and screened over a greater interval than monitor well MW-16, are variable, with the initial samples collected in June and September 2005 exhibiting similar concentrations of VOCs as detected in monitor well MW-16. Concentrations of 1,1-DCE in extraction well EW-01 were lower than those detected in monitor well MW-16 from December 2005 through September 2007. In December 2007, concentrations of all VOCs detected in extraction well EW-01 were equal to or higher than those detected in monitor well MW-16. The concentrations of 1,1-DCE and 1,4-dioxane detected in samples collected from extraction well EW-01 have declined since the startup of the pilot GETS in June 2008 and are currently above concentrations detected in samples collected from monitor well MW-16.
- VOC concentrations at extraction well MW-21, which is located adjacent to and screened deeper than monitor well MW-16 and extraction well EW-01, suggest that VOC concentrations are higher several tens of feet below the water table than at the water table in this vicinity. This may be a result of the greater effectiveness of the former perched zone remediation system near the water table, or it may represent remnant VOCs at depth in this slightly less transmissive or more isolated hydrostratigraphic zone. Since the pilot GETS has been operational, the concentration of 1,1-DCE has declined in extraction well MW-21 from its historical high of 4,900 ug/l in June 2008 to 1,000 ug/l in September 2010 (Table 4). The

concentration of 1,4-dioxane has declined in extraction well MW-21 since startup of the pilot GETS from 370 ug/l in June of 2008 to 74 ug/l in September 2010 (Table 4).

- 1,4-Dioxane was detected near the detection limit in a single groundwater sample collected from monitor well MW-24 in March 2007. COPCs have not been previously detected in groundwater samples collected from this well and have not been detected in samples collected from this well since the single March 2007 1,4-dioxane detection. Therefore, the March 2007 detection is considered anomalous. The general lack of COPCs detections in monitor well MW-24, which is located adjacent to and screened approximately 100 feet deeper than extraction well MW-21, demonstrates that the vertical extent of contamination in the vicinity of these wells is defined.
- In December 2007, the detections of VOCs and 1,4-dioxane at monitor well MW-26C represented the first confirmed historical detections of these analytes in this well (H+A, 2008a). In monthly and quarterly monitoring samples collected during 2008, concentrations of 1,1-DCE and 1,4-dioxane detected in groundwater samples collected from monitor well MW-26C exhibited a generally declining trend from the concentrations detected in the December 2007 groundwater samples. Monitor well MW-26C is completed in Unit B, the same zone as extraction well EW-01 (Figure 9). The rapid change in water level elevations in these two wells, from historically high water level elevations in mid-2006 to historically low water level elevations observed in these wells since December 2007, and the accompanying historically high concentrations of VOCs and 1,4-dioxane detected in groundwater samples collected from these wells in December 2007, continue to suggest that Unit B is the primary transport zone. Monitor wells MW-27, MW-28, MW-29, MW-30A, and MW-30B were installed in 2008 and monitor well MW-31, MW-32 cluster, and extraction well EW-02 were installed in 2009 to delineate the distribution of 1,1-DCE and 1,4-dioxane in Unit B on the southern portion of the Site and increase groundwater capture and accomplish greater remediation of groundwater within the primary transport zone (H+A, 2008b, 2009c, 2009d, and 2010d). In July 2010, an additional monitor well (MW-33) was installed to delineate the distribution of 1,1-DCE and 1,4-dioxane southwest of the Site (H+A, 2010d). Detections of 1,1-DCE and/or 1,4-dioxane have occurred in groundwater samples collected from monitor wells MW-28, MW-29, MW-30A, MW-31, MW-32B, MW-33

and extraction well EW-02 since their construction (Table 4) (H+A, 2009a, 2010b, and 2010d). VOCs and 1,4-dioxane have historically not been detected in monitor well MW-27, delineating groundwater impacts in that area within the primary transport zone. The proposed work outlined in Addendum No. 2A of the AGAWP and Addendum No. 4A of the Groundwater Extraction and Treatment System Pilot Testing Corrective Measures Study Work Plan was recently completed and was summarized in the Well Construction and Groundwater Sampling Report Additional Groundwater Assessment Primary Transport Zone and Groundwater Extraction Treatment System Pilot Testing (H+A, 2010c). The proposed work outlined in Addendum No. 3 of the AGAWP is currently underway to construct two additional nested monitor wells to delineate the distribution of VOCs off-Site to the south and west of the Site (H+A, 2010c).

- The second area of impact is located away from the perched zone and exhibits sporadic detections of TCE, 1,1-DCE, and TCFM in the vicinity of monitor well MW-15, and 1,1-DCE, benzene, TCE, cis-1,2-DCE and low concentrations of other VOCs and 1,4-dioxane at monitor well MW-08. Samples collected from monitor well MW-30B, installed in November 2008, exhibit a similar VOC composition of TCE, 1,1-DCE, and cis-1,2-DCE as samples collected from monitor well MW-08, also screened in Unit BC (Figures 15 and 20).
  - Historically, VOC concentrations have generally remained near or below Maximum Contaminant Levels (MCLs) at monitor well MW-15. The 1,1-DCE concentration detected in September 2010 was below the California and Federal MCLs, and remains within the respective historical ranges for monitor well MW-15 (Table 4). The concentrations of TCE detected in this well have been consistently below the California and Federal MCLs since June 2007.
  - Concentrations of VOCs detected in monitor well MW-08 prior to March 2004 were generally near or below the drinking water MCLs for the respective compounds (H+A, 2004c). More recently, concentrations of 1,1-DCE and TCE detected in samples collected from monitor well MW-08 have exceeded their respective MCLs (Table 4). In June 2006, the detected concentrations of 1,1-DCE, 1,1-DCA, PCE, and 1,4-dioxane in groundwater samples collected from monitor well MW-08 represented historical high concentrations for this well (Figure 20). In

September 2010, the VOCs cis-1,2-DCE and TCE were detected at concentrations (9.8 ug/l and 200 ug/l, respectively) exceeding their respective historical ranges in the groundwater sample collected from monitor well MW-08. The concentrations of 1,1-DCE, cis-1,2-DCE, and TCE remain above California and/or Federal MCLs. 1,4-Dioxane was detected at a concentration of 2.4 ug/l in the groundwater sample collected from monitor well MW-08 in September 2010.

- The VOCs previously detected at monitor well MW-30B, TCE, 1,1-DCE, and cis-1,2-DCE, are similar to the VOCs detected at monitor well MW-08. In September 2010, 1,1-DCE, cis-1,2-DCE, and TCE were detected in groundwater samples collected from monitor well MW-30B at concentrations of 11 ug/l, 3.4 ug/l, and 65 ug/l, respectively. Both MW-08 and MW-30B are screened in Unit BC near the western portion of the Site. 1,4-Dioxane was not detected in the groundwater sample collected from monitor well MW-30B in September 2010.

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## TABLE 1

## SUMMARY OF SEPTEMBER 2010 GROUNDWATER SAMPLING

| WELL IDENTIFIER | HYDROGEOLOGIC UNIT | SEPTEMBER 2010 SAMPLING SCHEDULE |
|---|---|---|
| Perched Zone Piezometers | | |
| P-07 | Perched Zone | VOCs; 1,4-Dioxane |
| P-09 | Perched Zone | VOCs; 1,4-Dioxane |
| Regional Groundwater System Monitor and Extraction Wells | | |
| MW-08 | BC | VOCs; 1,4-Dioxane |
| MW-09 | C | VOCs; 1,4-Dioxane |
| MW-15 | AB | VOCs |
| MW-16 | B | VOCs; 1,4-Dioxane |
| MW-21 | BC | VOCs; 1,4-Dioxane |
| MW-22 | A | VOCs |
| MW-23 | A | VOCs |
| MW-24 | C | VOCs; 1,4-Dioxane |
| MW-26A | AB | VOCs |
| MW-26B | AB | VOCs |
| MW-26C | B | VOCs; 1,4-Dioxane |
| MW-27 | B | VOC's; 1,4-Dioxane |
| MW-28 | B | VOC's; 1,4-Dioxane |
| MW-29 | B | VOCs; 1,4-Dioxane |
| MW-30A | B | VOCs; 1,4-Dioxane |
| MW-30B | BC | VOCs; 1,4-Dioxane |
| MW-31 | B | VOCs; 1,4-Dioxane |
| MW-32A | AB | VOCs; 1,4-Dioxane |
| MW-32B | B | VOCs; 1,4-Dioxane |
| MW-32C | C | VOCs; 1,4-Dioxane |
| MW-33 | B | VOCs; 1,4-Dioxane |
| EW-01 | B | VOCs; 1,4-Dioxane |
| **EW-02** | B | VOCs; 1,4-Dioxane |

FOOTNOTES

Well(s) in **BOLD** are sampled as part of the Groundwater Extraction and Remediation System monitoring.
VOCs = Volatile Organic Compounds

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# TABLE 2

## WELL CONSTRUCTION SUMMARY

| Well Identifier | Date Installed | Current Land Surface Elevation (feet msl) | Current Reference Point Elevation (feet msl) | Total Depth of Borehole (feet bls) | Perforated Interval (feet bls) | Screen Slot Size (inches) | Borehole Diameter (inches) | Casing Diameter (inches) (a) | Filter Pack Interval (feet bls) | Filter Pack Sand Size | Grout Filter Seal Interval (feet bls) (b) | Annular Seal Interval (feet bls) (c) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Regional Groundwater System Monitor Wells, Extraction Wells and Piezometers | | | | | | | | | | | | |
| MW-06 | 1/16/1997 | 185.0 | 184.70 | 190.9 | 149.6 - 189.6 | 0.010 | 8.5 | 2 | 145.4 - 190.9 | #2/16 | 139.4 - 145.4 (d) | 0 - 139.4 |
| MW-08 | 1/22/1997 | 156.6 | 155.91 | 167.2 | 126.1 - 166.1 | 0.010 | 8.5 | 2 | 120.7 - 167.2 | #2/16 | 115.7 - 120.7 | 0 - 115.7 |
| MW-09 | 3/21/1997 | 180.5 | 180.10 | 194.2 | 152.2 - 192.2 | 0.010 | 8.5 | 2 | 146.2 - 194.2 | #2/16 | 141.2 - 146.2 | 0 - 141.2 |
| MW-13 | 4/16/1997 | 142.5 | 142.19 | 159.6 | 120.6 - 159.6 | 0.010 | 8.5 | 2 | 114.6 - 159.6 | #2/16 | 109.6 - 114.6 | 0 - 109.6 |
| MW-15 | 5/18/1998 | 145.5 | 144.92 | 174.7 | 120.8 - 170.8 | 0.010 | 8.5 | 2 | 115.8 - 174.8 | #2/16 | 112.8 - 115.8 | 0 - 112.8 |
| MW-16 | 11/20/1999 | 143.0 | 142.73 | 179.5 | 148.5 - 178.5 | 0.010 | 11.0 | 4 | 144.5 - 179.5 | #2/16 | 134.5 - 144.5 (e) | 0 - 134.5 |
| MW-17 | 5/31/2000 | 142.8 | 142.66 | 203.7 | 173.1 - 193.1 (i) | 0.020 | 10.0 | 4 | 159.7 - 193.1 | #2/16 | 156.2 - 159.7<br>193.1 - 203.7 (j) | 0 - 156.2 |
| MW-18 | 5/24/2000 | 142.4 | 142.11 | 195.6 | 164.1 - 194.1 | 0.020 | 10.0 | 4 | 158.9 - 194.5 | #2/16 | 154.2 - 158.9 | 0 - 154.2 |
| MW-19 | 5/26/2000 | 142.7 | 142.72 | 205.5 | 184.9 - 204.9 | 0.020 | 10.0 | 4 | 177.0 - 205.3 | #2/16 | 171.5 - 177.0 | 0 - 171.5 |
| MW-20 | 6/26/2003 | 184.4 | 184.19 | 200.0 | 158.6 - 198.2 | 0.020 | 11.0 | 4 (f) | 158.0 - 200.0 | #2/12 | 151.0 - 158.0 (g) | 0 - 151.1 (h) |
| MW-21 | 7/17/2003 | 143.3 | 141.18 | 238.3 | 212.1 - 232.1 | 0.010 | 8.0 | 4 (k) | 205.0 - 234.5 | #2/16 | 202.0 - 205.0<br>234.5 - 238 (j) | 0 - 202.0 (h) |
| MW-22 | 8/13/2003 | 139.4 | 138.65 | 245.0 | 217.4 - 237.4 | 0.020 | 8.0 | 4 (l) | 215.0 - 238.0 | #2/12 | 208.0 - 215.0 (m) | 0 - 208.0 (h) |
| MW-23 | 8/18/2003 | 137.8 | 137.33 | 235.6 | 215.2 - 235.2 | 0.020 | 8.0 | 4 (n) | 209.4 - 235.6 | #2/12 | 203.5 - 209.4 (m) | 0 - 203.5 (h) |
| MW-24 | 9/15/2004 | 143.1 | 142.83 | 338.0 | 310.3 - 330.3 | 0.030 | 10.6 | 4 (o) | 306 - 330 | #3 | 301 - 306 (p) | 0 - 301 (h) |
| MW-25 | 9/10/2004 | 143.0 | 142.64 | 805 | 449.4 - 479.8 | 0.010 | 8.5 (q) | 2 (r) | 429 - 485 | #2/16 | 418 - 429 | 0 - 418 (h) |
| MW-26A (s) | 10/1/2004 | 137.6 | 137.04 | 805 | 279 - 309 | 0.020 | 12.25 (q) | 2 (t) | 274 - 315 | #2/12 | 266 - 274 | 0 - 266 (h) |
| MW-26B (s) | 10/1/2004 | 137.6 | 137.05 | 805 | 339 - 379 | 0.020 | 12.25 (q) | 2 (u) | 334 - 387 | #2/12 | 266 - 274 | 0 - 266 (h) |
| MW-26C (s) | 10/1/2004 | 137.6 | 137.22 | 805 | 459 - 499 | 0.020 | 12.25 (q) | 2 (v) | 435 - 499 | #2/12 | 387 - 435 (w) | 0 - 266 (h) |
| MW-27 | 4/22/2008 | 137.6 | 137.16 | 550 | 475 - 505.2 (cc) | 0.030 | 11.25 (q) | 4 (z) | 468 - 520 | #3 | 457.5 - 468 | 0 - 457.5 (h) |
| MW-28 | 5/5/2008 | 141.4 | 140.77 | 425 | 335 - 375 | 0.040 | 12.25 (q) | 4 (z) | 325.4- 377 | #8 | 318 - 325.4 | 0 - 318 (h) |
| MW-29 | 8/15/2008 | 142.7 | 142.34 | 265.7 | 200 - 240 | 0.020 | 10.0 (aa) | 4 (z) | 185 - 246 | #2/12 | 176 - 185 | 0 - 176 (h) |
| MW-30A(s) | 11/26/2008 | 130.2 | 129.44 | 635 | 524-564 | 0.020 | 14.25(j) | 3 (y) | 515.9-570.5 | #2/12 | 495.5-515.9 | 0-495.5 (bb) |
| MW-30B(s) | 11/26/2008 | 130.2 | 129.39 | 635 | 596-616 | 0.020 | 14.25(j) | 3 (y) | 586.8-625 | #2/12 | 586.8-570.5 | 0-495.5 (bb) |
| MW-31 | 10/2/2009 | 120.3 | 119.60 | 1,100(jj) | 946-996 | 0.020 | 13 | 6(kk) | 922-1,006 | #2/12 | 904-922 | 0-904 |
| MW-32A(s) | 12/10/2009 | 93.4 | 92.88 | 1,153 (gg) | 890-905 | 0.020 | 18.5 | 4(dd) | 880-910 | #2/12 | 832-880 | 0-832 |
| MW-32B(s) | 12/10/2009 | 93.4 | 92.89 | 1,153 (gg) | 969-999 | 0.020 | 18.5 | 4(dd) | 960-1,004.5 | #2/12 | 910-960 | 0-832 |
| MW-32C(s) | 12/10/2009 | 93.4 | 92.88 | 1,153 (gg) | 1,070-1,090 | 0.020 | 18.5 | 4(dd) | 1,054-1,100 | #2/12 | 1,004.5-1,054 | 0-832 |
| MW-33 | 7/2/2010 | 83.8 | 83.19 | 1,080 (hh) | 980-1,020 | 0.020 | 11 | 4(dd) | 970-1,025 | #2/12 | 924-970 | 0-924 (ii) |
| EW-01 | 5/16/2005 | 143.3 | 141.07 | 195 | 138.1-188.1 | 0.020 | 7.6 | 4 (x) | 134.1-195 | #2/12 | 129-134.1 (m) | 0-129 (h) |
| EW-02 | 10/20/2009 | 136.0 | 132.97 | 473 (ee) | 410-460 | 0.030 | 17.0 | 8 (ff) | 400-465 | #3 | 384-400 | 0-384 |
| Perched Zone Piezometers | | | | | | | | | | | | |
| P-07 | 6/6/1997 | 142.7 | 142.31 | 116.8 | 107.7 - 117.7 | 0.010 | 8.5 | 2 | 104.7 - 117.7 | #2/16 | 101.7 - 104.7 | 0 - 101.7 |
| P-09 | 6/30/2003 | 184.3 | 183.86 | 130.0 | 109.6 - 129.6 | 0.010 | 11.0 | 4 | 114.0 - 130.0 | #2/16 | 101.0 - 108.0 (g) | 0 - 101.0 (h) |

NOTE: Refer to page 2 of this table for footnotes.

# TABLE 2

## WELL CONSTRUCTION SUMMARY

FOOTNOTES

ns = Not surveyed
msl = Mean sea level, City of Fullerton datum
bls = Below current land surface (October 2004)
(a) = Schedule 40 polyvinylchloride screen and casing, unless otherwise indicated
(b) = Medium bentonite chip seal, unless otherwise indicated
(c) = Bentonite grout annular seal unless otherwise indicated, completed at surface with vault set in concrete
(d) = No. 60 silica sand
(e) = Includes 2.0 feet of No. 60 silica sand placed above filter pack
(f) = Schedule 80 polyvinyl chloride screen and casing
(g) = Includes 2.5 to 3.0 feet of No. 60 silica sand placed above bentonite chip seal
(h) = Cement/bentonite grout, Type I/II Portland, <5% bentonite
(i) = Well plug, approximately 0.5-foot length, set at bottom of perforated interval
(j) = Bottom of borehole backfilled with bentonite chips
(k) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 122.0 - 212.1 feet bls; Schedule 40 mild steel casing 0 - 122.0 feet bls
(l) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 112.4 - 217.4 feet bls; Schedule 40 mild steel casing 0 - 112.4 feet bls
(m) = 1/4-inch coated bentonite pellets
(n) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 110.1 - 215.2 feet bls; Schedule 40 mild steel casing 0 - 110.1 feet bls
(o) = Mild steel wire wrap screen and Schedule 40 mild steel well casing
(p) = Includes 1 to 2 feet of #2/16 sand placed above bentonite chip seal
(q) = Below filter pack, diameter of the original pilot borehole is 5 to 6.25 inches to total depth of boring. Lower borehole backfilled with cement/bentonite grout, Type I/II Portland, <5% bentonite
(r) = Stainless steel wire wrap screen, Schedule 10 stainless steel casing 429.4 - 449.4 feet bls, Schedule 80 polyvinylchloride casing 429.0 - 429.4 feet bls, Schedule 40 mild steel casing 0 - 429.0 feet bls
(s) = Nested wells MW-26A, MW-26B, MW-26C, and MW-32A, MW-32B, MW-32C are constructed with three separate well casings in a single borehole; nested well MW-30A and MW-30B is constructed with two separate casings in a single borehole.
(t) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 259 - 279 feet bls and 0 - 19 feet bls; Schedule 40 mild steel casing 19 - 259 feet bls
(u) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 319 - 339 feet bls; Schedule 40 mild steel casing 0 - 319 feet bls
(v) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 439 - 459 feet bls; Schedule 40 mild steel casing 0 - 439 feet bls
(w) = #8 granular bentonite with exception of heavy mud/formational caving filling annular interval from 417 to 428 feet bls
(x) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 118.1-138.1 feet bls; Schedule 40 mild steel casing 0-118.1 feet bls
(y) = Schedule 40 Stainless steel endcaps; Schedule 10 stainless steel casing; Stainless steel wire wrap screen
(z) = Schedule 80 PVC blank and screen casing
(aa) = Below filter pack, diameter of the original pilot borehole is 8 inches to total depth of boring. Lower borehole backfilled with cement/bentonite grout, Type I/II Portland, <5% bentonite
(bb) = Neat cement
(cc) = Depth of screen interval adjusted to account for loss at bottom of casing due to breakage in casing wall. Original casing (515 ft bls) was sealed at 505.2 ft bls
(dd) = Schedule 40 Stainless steel endcaps; SCH 80 PVC casing; Stainless steel wire wrap screen
(ee) = Pilot borehole drilled to a total depth of 493 feet bls and backfilled with 5% bentonite-cement grout seal to 465 feet bls
(ff) = Schedule 40 Stainless steel endcaps; SCH 40 stainless steel casing; Stainless steel wire wrap screen; 2.5-foot stainless steel sump
(gg) = Pilot borehole drilled to a total depth of 1,153 feet bls and backfilled with 5% bentonite-cement grout seal to 1,100 feet bls
(hh) = Pilot borehole drilled to a total depth of 1,080 feet bls and backfilled with 5% bentonite-cement grout seal to 1,025 feet bls
(ii) = Annular seal interval is composed of neat cement grout with 5% bentonite from 720 to 924 feet bls and bentonite grout from near land surface to 720 feet bls
(jj) = Pilot borehole drilled to a total depth of 1,100 feet bls and backfilled with 5% bentonite-cement grout seal to 1,006 feet bls
(kk) = Schedule 40 Stainless steel endcaps; Schedule 40 stainless steel casing; Stainless steel wire wrap screen; 5-foot stainless steel sump

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells | | | | | |
| MW-06 | 01/27/97 | 174.27 | 144.62 | 29.65 | |
| | 02/18/97 | 174.27 | 142.26 | 32.01 | |
| | 02/26/97 | 174.27 | 141.97 | 32.30 | |
| | 03/06/97 | 174.27 | 141.52 | 32.75 | |
| | 03/12/97 | 174.27 | 141.24 | 33.03 | |
| | 03/28/97 | 174.27 | 140.90 | 33.37 | |
| | 05/19/97 | 174.27 | 142.85 | 31.42 | |
| | 10/16/97 | 174.27 | 158.05 | 16.22 | |
| | 05/13/98 | 174.27 | 143.00 | 31.27 | |
| | 05/27/98 | 174.27 | 143.49 | 30.78 | |
| | 06/11/98 | 174.27 | 144.43 | 29.84 | |
| | 07/14/98 | 174.27 | 147.46 | 26.81 | |
| | 11/11/98 | 174.27 | 155.60 | 18.67 | |
| | 11/18/98 | 174.27 | 154.82 | 19.45 | SVE, DPE-H2O |
| | 11/18/98 | 174.27 | 154.96 | 19.31 | SVE, DPE-H2O |
| | 11/19/98 | 174.27 | 154.82 | 19.45 | SVE, DPE-H2O |
| | 11/20/98 | 174.27 | 154.17 | 20.10 | SVE, DPE, DPE-H2O |
| | 11/23/98 | 174.27 | 154.43 | 19.84 | SVE, DPE-H2O |
| | 11/23/98 | 174.27 | 154.40 | 19.87 | SVE, DPE-H2O |
| | 11/24/98 | 174.27 | 154.44 | 19.83 | SVE, DPE-H2O |
| | 12/07/98 | 174.27 | 153.08 | 21.19 | SVE, DPE-H2O |
| | 12/10/98 | 174.27 | 152.56 | 21.71 | SVE, DPE, DPE-H2O |
| | 12/11/98 | 174.27 | 152.14 | 22.13 | SVE, DPE, DPE-H2O |
| | 12/14/98 | 174.27 | 151.82 | 22.45 | SVE, DPE-H2O |
| | 12/14/98 | 174.27 | 151.72 | 22.55 | SVE, DPE-H2O |
| | 12/16/98 | 174.27 | 151.73 | 22.54 | SVE, DPE, DPE-H2O |
| | 01/06/99 | 174.27 | 150.40 | 23.87 | SVE, DPE, DPE-H2O |
| | 01/20/99 | 174.27 | 149.92 | 24.35 | |
| | 01/25/99 | 174.27 | 149.58 | 24.69 | DPE, DPE-H2O |
| | 01/27/99 | 174.27 | 149.71 | 24.56 | SVE, DPE, DPE-H2O |
| | 02/01/99 | 174.27 | 149.37 | 24.90 | DPE, DPE-H2O |
| | 02/10/99 | 174.27 | 148.87 | 25.40 | SVE, DPE, DPE-H2O |
| | 02/23/99 | 174.27 | 148.30 | 25.97 | |
| | 03/01/99 | 174.27 | 148.33 | 25.94 | DPE |
| | 03/09/99 | 174.27 | 148.39 | 25.88 | SVE, DPE, DPE-H2O |
| | 03/10/99 | 174.27 | 148.35 | 25.92 | SVE, DPE, DPE-H2O |
| | 04/07/99 | 174.27 | 147.82 | 26.45 | SVE, DPE-H2O |
| | 04/23/99 | 174.27 | 147.00 | 27.27 | SVE, DPE-H2O |
| | 06/16/99 | 174.27 | 150.62 | 23.65 | SVE, DPE-H2O |
| | 06/25/99 | 174.27 | 151.91 | 22.36 | SVE, DPE-H2O |
| | 08/30/99 | 174.27 | 164.08 | 10.19 | DPE-H2O |
| | 09/27/99 | 174.27 | 166.78 | 7.49 | |
| | 11/02/99 | 174.27 | 169.28 | 4.99 | |
| | 12/06/99 | 174.27 | 158.87 | 15.40 | |
| | 02/07/00 | 174.27 | 164.21 | 10.06 | |
| | 03/08/00 | 174.27 | 160.82 | 13.45 | |
| | 05/08/01 | 174.23 | 155.05 | 19.18 | |
| | 06/26/01 | 174.23 | 161.99 | 12.24 | |
| | 10/24/01 | 188.33 | DRY | -- | |
| | 01/15/02 | 188.33 | 183.41 | 4.92 | |
| | 03/19/02 | 188.33 | 177.86 | 10.47 | |
| | 04/15/02 | 188.33 | 176.83 | 11.50 | |
| | 11/18/02 | 188.33 | 182.81 | 5.52 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-06 | 05/08/03 | 188.33 | 174.07 | 14.26 | |
| (cont'd) | 06/09/03 | 188.33 | 175.45 | 12.88 | |
| | 09/15/03 | 184.7 | 177.09 | 7.61 | |
| | 10/14/03 | 184.7 | 178.31 | 6.39 | |
| | 12/15/03 | 184.7 | 176.24 | 8.46 | |
| | 03/29/04 | 184.7 | 166.60 | 18.10 | |
| | 06/14/04 | 184.7 | 169.41 | 15.29 | |
| | 09/20/04 | 184.70 | 179.48 | 5.22 | |
| | 11/10/04 | 184.70 | 180.65 | 4.05 | |
| | 12/06/04 | 184.70 | 178.73 | 5.97 | |
| | 03/14/05 | 184.70 | 166.99 | 17.71 | |
| | 06/20/05 | 184.70 | 162.59 | 22.11 | |
| | 09/19/05 | 184.70 | 165.10 | 19.60 | |
| | 12/17/05 | 184.70 | 155.90 | 28.80 | |
| | 03/20/06 | 184.70 | 147.23 | 37.47 | |
| | 05/18/06 | 184.70 | 143.25 | 41.45 | |
| | 06/19/06 | 184.70 | 145.48 | 39.22 | |
| | 09/25/06 | 184.70 | 154.15 | 30.55 | |
| | 10/05/06 | 184.70 | 154.47 | 30.23 | |
| | 12/12/06 | 184.70 | 152.28 | 32.42 | |
| | 03/12/07 | 184.70 | 149.91 | 34.79 | |
| | 06/18/07 | 184.70 | 156.19 | 28.51 | |
| | 09/24/07 | 184.70 | 173.50 | 11.20 | |
| | 12/10/07 | 184.70 | 183.15 | 1.55 | |
| | 03/17/08 | 184.70 | 182.08 | 2.62 | |
| | 06/23/08 | 184.70 | 182.92 | 1.78 | |
| | 09/22/08 | 184.70 | 186.55 | -1.85 | |
| | 12/15/08 | 184.70 | 188.45 | -3.75 | |
| | 12/19/08 | 184.70 | 188.47 | -3.77 | |
| | 03/16/09 | 184.70 | 187.58 | -2.88 | |
| | 03/18/09 | 184.70 | 187.51 | -2.81 | |
| | 06/22/09 | 184.70 | 186.43 | -1.73 | |
| | 06/26/09 | 184.70 | 186.46 | -1.76 | |
| | 08/31/09 | 184.70 | 187.31 | -2.61 | |
| | 09/10/09 | 184.70 | 187.42 | -2.72 | |
| | 12/07/09 | 184.70 | 187.82 | -3.12 | |
| | 03/01/10 | 184.70 | 184.83 | -0.13 | |
| | 03/22/10 | 184.70 | 182.35 | 2.35 | |
| | 06/07/10 | 184.70 | 178.27 | 6.43 | |
| | 09/07/10 | 184.70 | 180.20 | 4.50 | |
| MW-08 | 01/27/97 | 169.53 | 150.66 | 18.87 | |
| | 02/18/97 | 169.53 | 149.78 | 19.75 | |
| | 02/26/97 | 169.53 | 149.60 | 19.93 | |
| | 03/06/97 | 169.53 | 149.62 | 19.91 | |
| | 03/12/97 | 169.53 | 149.55 | 19.98 | |
| | 03/28/97 | 169.53 | 149.46 | 20.07 | |
| | 05/19/97 | 169.53 | 149.33 | 20.20 | |
| | 05/13/98 | 169.53 | 149.54 | 19.99 | |
| | 05/27/98 | 169.53 | 149.40 | 20.13 | |
| | 06/11/98 | 169.53 | 149.30 | 20.23 | |
| | 08/30/99 | 169.53 | 155.13 | 14.40 | DPE-H2O |
| | 12/06/99 | 169.53 | 159.36 | 10.17 | 3.4 inches water in vaccum |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-08 | 02/07/00 | 169.53 | 159.68 | 9.85 | |
| (cont'd) | 03/08/00 | 169.53 | 159.23 | 10.30 | |
| | 05/09/01 | 164.79 | 157.50 | 7.29 | |
| | 06/26/01 | 164.79 | 157.79 | 7.00 | |
| | 10/24/01 | 164.79 | 161.80 | 2.99 | |
| | 01/15/02 | 164.79 | 162.42 | 2.37 | |
| | 03/19/02 | 164.79 | 161.09 | 3.70 | |
| | 04/15/02 | 158.04 | 153.98 | 4.06 | |
| | 11/18/02 | 158.04 | 156.47 | 1.57 | |
| | 01/17/03 | 158.04 | 152.46 | 5.58 | |
| | 05/08/03 | 158.04 | 149.90 | 8.14 | |
| | 06/09/03 | 158.04 | 150.27 | 7.77 | |
| | 09/15/03 | NA | UTM | -- | |
| | 10/14/03 | NA | UTM | -- | |
| | 12/15/03 | 155.91 | 150.19 | 5.72 | |
| | 03/29/04 | 155.91 | 145.40 | 10.51 | |
| | 06/14/04 | 155.91 | 143.68 | 12.23 | |
| | 09/20/04 | 155.91 | 145.45 | 10.46 | |
| | 10/19/04 | 155.91 | 145.74 | 10.17 | |
| | 11/10/04 | 155.91 | 146.04 | 9.87 | |
| | 12/06/04 | 155.91 | 145.71 | 10.20 | |
| | 03/14/05 | 155.91 | 142.32 | 13.59 | |
| | 06/20/05 | 155.91 | 139.61 | 16.30 | |
| | 09/19/05 | 155.91 | 139.77 | 16.14 | |
| | 12/17/05 | 155.91 | 135.10 | 20.81 | |
| | 03/20/06 | 155.91 | 127.02 | 28.89 | |
| | 05/18/06 | 155.91 | 121.53 | 34.38 | |
| | 06/19/06 | 155.91 | 121.31 | 34.60 | |
| | 09/25/06 | 155.91 | 124.38 | 31.53 | |
| | 10/05/06 | 155.91 | 124.56 | 31.35 | |
| | 12/12/06 | 155.91 | 123.83 | 32.08 | |
| | 03/12/07 | 155.91 | 127.24 | 28.67 | |
| | 06/18/07 | 155.91 | 132.36 | 23.55 | |
| | 09/24/07 | 155.91 | 137.96 | 17.95 | |
| | 12/10/07 | 155.91 | 142.65 | 13.26 | |
| | 03/17/08 | 155.91 | 145.83 | 10.08 | |
| | 06/23/08 | 155.91 | 149.00 | 6.91 | |
| | 09/22/08 | 155.91 | 153.53 | 2.38 | |
| | 12/15/08 | 155.91 | 157.03 | -1.12 | |
| | 12/19/08 | 155.91 | 157.39 | -1.48 | |
| | 03/16/09 | 155.91 | 157.87 | -1.96 | |
| | 03/18/09 | 155.91 | 157.92 | -2.01 | |
| | 06/22/09 | 155.91 | 157.63 | -1.72 | |
| | 06/26/09 | 155.91 | 157.70 | -1.79 | |
| | 08/31/09 | 155.91 | 159.37 | -3.46 | |
| | 09/10/09 | 155.91 | 159.45 | -3.54 | |
| | 10/28/09 | 155.91 | 159.75 | -3.84 | |
| | 10/30/09 | 155.91 | 159.73 | -3.82 | |
| | 11/04/09 | 155.91 | 159.84 | -3.93 | |
| | 12/07/09 | 155.91 | 159.17 | -3.26 | |
| | 03/01/10 | 155.91 | 157.11 | -1.20 | |
| | 06/07/10 | 155.91 | 152.97 | 2.94 | |
| | 09/07/10 | 155.91 | 151.91 | 4.00 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-09 | 03/25/97 | 166.42 | 137.58 | 28.84 | |
| | 03/28/97 | 166.42 | 137.34 | 29.08 | |
| | 05/19/97 | 166.42 | 138.31 | 28.11 | |
| | 05/13/98 | 166.42 | 139.18 | 27.24 | |
| | 05/27/98 | 166.42 | 139.57 | 26.85 | |
| | 06/11/98 | 166.42 | 140.03 | 26.39 | |
| | 07/14/98 | 166.42 | 142.56 | 23.86 | |
| | 11/11/98 | 166.42 | 150.98 | 15.44 | |
| | 11/18/98 | 166.42 | 150.72 | 15.70 | SVE, DPE-H2O |
| | 11/18/98 | 166.42 | 150.57 | 15.85 | SVE, DPE-H2O |
| | 11/19/98 | 166.42 | 150.63 | 15.79 | SVE, DPE-H2O |
| | 11/20/98 | 166.42 | 150.64 | 15.78 | SVE, DPE, DPE-H2O |
| | 11/23/98 | 166.42 | 150.47 | 15.95 | SVE, DPE-H2O |
| | 11/23/98 | 166.42 | 150.43 | 15.99 | SVE, DPE-H2O |
| | 11/24/98 | 166.42 | 150.45 | 15.97 | SVE, DPE-H2O |
| | 12/07/98 | 166.42 | 149.98 | 16.44 | SVE, DPE-H2O |
| | 12/10/98 | 166.42 | 149.67 | 16.75 | SVE, DPE, DPE-H2O |
| | 12/11/98 | 166.42 | 149.68 | 16.74 | SVE, DPE, DPE-H2O |
| | 12/14/98 | 166.42 | 149.18 | 17.24 | SVE, DPE-H2O |
| | 12/16/98 | 166.42 | 148.97 | 17.45 | SVE, DPE, DPE-H2O |
| | 01/06/99 | 166.42 | 147.76 | 18.66 | SVE, DPE, DPE-H2O |
| | 01/20/99 | 166.42 | 147.18 | 19.24 | |
| | 01/25/99 | 166.42 | 146.80 | 19.62 | DPE, DPE-H2O |
| | 01/27/99 | 166.42 | 146.98 | 19.44 | SVE, DPE, DPE-H2O |
| | 02/01/99 | 166.42 | 146.85 | 19.57 | SVE, DPE, DPE-H2O |
| | 02/10/99 | 166.42 | 146.43 | 19.99 | SVE, DPE, DPE-H2O |
| | 02/23/99 | 166.42 | 145.78 | 20.64 | |
| | 03/01/99 | 166.42 | 145.68 | 20.74 | DPE |
| | 03/09/99 | 166.42 | 145.73 | 20.69 | SVE, DPE, DPE-H2O |
| | 03/10/99 | 166.42 | 145.70 | 20.72 | SVE, DPE, DPE-H2O |
| | 03/15/99 | 166.42 | 145.57 | 20.85 | SVE, DPE, DPE-H2O |
| | 04/07/99 | 166.42 | 145.35 | 21.07 | SVE, DPE-H2O |
| | 04/23/99 | 166.42 | 144.61 | 21.81 | SVE, DPE-H2O |
| | 06/16/99 | 166.42 | 147.11 | 19.31 | SVE, DPE-H2O |
| | 06/25/99 | 166.42 | 148.10 | 18.32 | SVE, DPE-H2O |
| | 08/30/99 | 166.42 | 156.90 | 9.52 | DPE-H2O |
| | 09/27/99 | 166.42 | 159.80 | 6.62 | |
| | 11/02/99 | 166.42 | 163.08 | 3.34 | |
| | 11/09/99 | 166.42 | 163.51 | 2.91 | |
| | 11/10/99 | 166.42 | 163.44 | 2.98 | |
| | 11/23/99 | 166.42 | 163.92 | 2.50 | |
| | 12/06/99 | 166.42 | 163.59 | 2.83 | |
| | 12/07/99 | 166.42 | 163.41 | 3.01 | |
| | 02/07/00 | 166.42 | 160.51 | 5.91 | |
| | 06/29/00 | 166.42 | UTM | -- | |
| | 10/24/01 | 182.15 | 184.16 | -2.01 | |
| | 01/15/02 | 182.15 | 182.12 | 0.03 | |
| | 03/19/02 | 182.15 | 177.57 | 4.58 | |
| | 04/15/02 | 182.15 | 176.29 | 5.86 | |
| | 11/18/02 | 182.28 | 181.80 | 0.48 | |
| | 01/17/03 | 182.28 | 174.44 | 7.84 | |
| | 05/08/03 | 182.28 | 172.56 | 9.72 | |
| | 06/09/03 | 182.28 | 173.57 | 8.71 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-09 | 09/15/03 | 182.28 | 178.03 | 4.25 | |
| (cont'd) | 9/24/2003 | 182.28 | 178.46 | 3.82 | |
| | 10/14/03 | 182.28 | 179.10 | 3.18 | |
| | 12/15/03 | 182.28 | 178.00 | 4.28 | |
| | 03/29/04 | 180.10 | 166.90 | 13.20 | |
| | 06/14/04 | 180.10 | 168.36 | 11.74 | |
| | 09/20/04 | 180.10 | 176.29 | 3.81 | |
| | 10/19/04 | 180.10 | 178.00 | 2.10 | |
| | 11/10/04 | 180.10 | 177.75 | 2.35 | |
| | 12/06/04 | 180.10 | 176.64 | 3.46 | |
| | 03/14/05 | 180.10 | 167.00 | 13.10 | |
| | 06/20/05 | 180.10 | 162.13 | 17.97 | |
| | 09/19/05 | 180.10 | 164.58 | 15.52 | |
| | 12/17/05 | 180.10 | 156.29 | 23.81 | |
| | 03/20/06 | 180.10 | 146.90 | 33.20 | |
| | 05/18/06 | 180.10 | 142.77 | 37.33 | |
| | 06/19/06 | 180.10 | 144.64 | 35.46 | |
| | 09/25/06 | 180.10 | 151.96 | 28.14 | |
| | 10/05/06 | 180.10 | 152.33 | 27.77 | |
| | 12/19/06 | 180.10 | 150.40 | 29.70 | |
| | 03/12/07 | 180.10 | 148.81 | 31.29 | |
| | 06/18/07 | 180.10 | UTM | -- | |
| | 09/24/07 | 180.10 | 171.33 | 8.77 | |
| | 12/10/07 | 180.10 | 179.73 | 0.37 | |
| | 03/17/08 | 180.10 | 180.71 | -0.61 | |
| | 06/27/08 | 180.10 | 182.20 | -2.10 | |
| | 09/22/08 | 180.10 | 187.53 | -7.43 | |
| | 12/15/08 | 180.10 | DRY | -- | Dry @ 190.2 ft bls |
| | 03/16/09 | 180.10 | DRY | -- | Dry @ 190.0 ft bls |
| | 06/23/09 | 180.10 | 187.69 | -7.59 | |
| | 08/31/09 | 180.10 | 189.34 | -9.24 | |
| | 12/07/09 | 180.10 | 189.35 | -9.25 | |
| | 03/02/10 | 180.10 | 186.09 | -5.99 | |
| | 06/07/10 | 180.10 | 180.11 | -0.01 | |
| | 09/07/10 | 180.10 | 180.51 | -0.41 | |
| MW-13 | 05/19/97 | 162.92 | 149.06 | 13.86 | |
| | 05/13/98 | 162.92 | 150.56 | 12.36 | |
| | 05/27/98 | 162.92 | 149.67 | 13.25 | |
| | 06/11/98 | 162.92 | 149.63 | 13.29 | |
| | 11/02/99 | 162.92 | 166.86 | -3.94 | |
| | 11/09/99 | 162.92 | 167.25 | -4.33 | |
| | 11/10/99 | 162.92 | 167.36 | -4.44 | |
| | 11/23/99 | 162.92 | 167.92 | -5.00 | |
| | 12/06/99 | 162.92 | 168.35 | -5.43 | |
| | 12/07/99 | 162.92 | 168.38 | -5.46 | |
| | 02/07/00 | 162.92 | 167.88 | -4.96 | |
| | 06/21/00 | 162.55 | 164.42 | -1.87 | |
| | 07/05/00 | 162.55 | 165.68 | -3.13 | |
| | 01/16/01 | 142.51 | 151.58 | -9.07 | |
| | 03/19/01 | 142.51 | 149.31 | -6.80 | |
| | 03/26/01 | 142.51 | 148.72 | -6.21 | |
| | 04/03/01 | 142.51 | 148.30 | -5.79 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-13 | 04/10/01 | 142.51 | 148.00 | -5.49 | |
| (cont'd) | 04/17/01 | 142.51 | 147.90 | -5.39 | |
| | 04/26/01 | 142.51 | 147.50 | -4.99 | |
| | 05/07/01 | 142.51 | 147.14 | -4.63 | |
| | 06/26/01 | 142.51 | 147.61 | -5.10 | |
| | 09/10/01 | 142.19 | 151.32 | -9.13 | |
| | 10/22/01 | 142.19 | 153.62 | -11.43 | |
| | 10/24/01 | 142.19 | 153.68 | -11.49 | |
| | 01/15/02 | 142.19 | 153.78 | -11.59 | |
| | 01/15/02 | 142.19 | 153.76 | -11.57 | |
| | 03/19/02 | 142.19 | 148.86 | -6.67 | |
| | 04/15/02 | 142.19 | 148.29 | -6.10 | |
| | 10/31/02 | 142.19 | 154.39 | -12.20 | |
| | 10/31/02 | 142.19 | 154.38 | -12.19 | |
| | 11/07/02 | 142.19 | 153.97 | -11.78 | |
| | 11/07/02 | 142.19 | 153.95 | -11.76 | |
| | 11/18/02 | 142.19 | 153.20 | -11.01 | |
| | 01/17/03 | 142.19 | 142.13 | 0.06 | |
| | 05/08/03 | 142.19 | 138.90 | 3.29 | |
| | 06/09/03 | 142.19 | 140.81 | 1.38 | |
| | 09/15/03 | 142.19 | 146.63 | -4.44 | |
| | 10/14/03 | 142.19 | 147.73 | -5.54 | |
| | 12/02/03 | 142.19 | 145.21 | -3.02 | |
| | 12/15/03 | 142.19 | 143.91 | -1.72 | |
| | 03/29/04 | 142.19 | 132.94 | 9.25 | |
| | 06/14/04 | 142.19 | 132.76 | 9.43 | |
| | 09/20/04 | 142.19 | 138.99 | 3.20 | |
| | 10/19/04 | 142.19 | 140.31 | 1.88 | |
| | 11/10/04 | 142.19 | 138.99 | 2.13 | |
| | 12/06/04 | 142.19 | 139.08 | 3.11 | |
| | 03/14/05 | 142.19 | 127.95 | 14.24 | |
| | 06/20/05 | 142.19 | 129.49 | 12.70 | |
| | 09/19/05 | 142.19 | 132.44 | 9.75 | |
| | 12/17/05 | 142.19 | 116.10 | 26.09 | |
| | 03/20/06 | 142.19 | 112.58 | 29.61 | |
| | 06/19/06 | 142.19 | 108.37 | 33.82 | |
| | 09/25/06 | 142.19 | 115.66 | 26.53 | |
| | 12/12/06 | 142.19 | 112.59 | 29.60 | |
| | 03/12/07 | 142.19 | 117.07 | 25.12 | |
| | 06/18/07 | 142.19 | 126.05 | 16.14 | |
| | 09/24/07 | 142.19 | 137.98 | 4.21 | |
| | 12/10/07 | 142.19 | 146.51 | -4.32 | |
| | 03/17/08 | 142.19 | 147.13 | -4.94 | |
| | 06/23/08 | 142.19 | 149.38 | -7.19 | |
| | 09/22/08 | 142.19 | 153.18 | -10.99 | |
| | 12/15/08 | 142.19 | 156.91 | -14.72 | |
| | 03/16/09 | 142.19 | 155.95 | -13.76 | |
| | 06/22/09 | 142.19 | 152.05 | -9.86 | |
| | 08/31/09 | 142.19 | 154.42 | -12.23 | |
| | 12/07/09 | 142.19 | 153.32 | -11.13 | |
| | 03/01/10 | 142.19 | 148.41 | -6.22 | |
| | 06/07/10 | 142.19 | 141.51 | 0.68 | |
| | 09/07/10 | 142.19 | 142.67 | -0.48 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-15 | 05/27/98 | 159.20 | 153.83 | 5.37 | |
| | 06/11/98 | 159.20 | 153.16 | 6.04 | |
| | 11/09/99 | 159.20 | 165.47 | -6.27 | |
| | 12/06/99 | 159.20 | 166.56 | -7.36 | |
| | 02/07/00 | 159.20 | 167.68 | -8.48 | |
| | 06/21/00 | 159.2 | 164.57 | -5.37 | |
| | 07/05/00 | 159.2 | 164.94 | -5.74 | |
| | 01/16/01 | 154.35 | 166.25 | -11.90 | |
| | 03/19/01 | 154.35 | 165.42 | -11.07 | |
| | 05/08/01 | 154.35 | 164.16 | -9.81 | |
| | 06/26/01 | 154.35 | 164.09 | -9.74 | |
| | 09/10/01 | 154.35 | 166.43 | -12.08 | |
| | 10/24/01 | 154.35 | 168.27 | -13.92 | |
| | 01/15/02 | 154.35 | 169.03 | -14.68 | |
| | 03/19/02 | 154.35 | 167.33 | -12.98 | |
| | 04/15/02 | 146.14 | 158.58 | -12.44 | |
| | 11/18/02 | 146.14 | 160.67 | -14.53 | |
| | 01/17/03 | 146.14 | 155.87 | -9.73 | |
| | 05/08/03 | NA | UTM | -- | |
| | 06/09/03 | 144.99 | 149.92 | -4.93 | |
| | 09/15/03 | 144.99 | 152.72 | -7.73 | |
| | 09/23/03 | 144.99 | 152.99 | -8.00 | |
| | 10/14/03 | 144.99 | 153.64 | -8.65 | |
| | 12/15/03 | 144.99 | 152.50 | -7.51 | |
| | 03/29/04 | 144.99 | 146.10 | -1.11 | |
| | 06/14/04 | 144.99 | 142.94 | 2.05 | |
| | 09/20/04 | 144.99 | 143.78 | 1.21 | |
| | 10/19/04 | 144.99 | 143.74 | 1.25 | |
| | 11/10/04 | 144.99 | 144.01 | 0.98 | |
| | 12/06/04 | 144.99 | 143.95 | 1.04 | |
| | 03/14/05 | 144.99 | 140.02 | 4.97 | |
| | 06/20/05 | 144.99 | 137.35 | 7.64 | |
| | 09/19/05 | 144.99 | 137.57 | 7.42 | |
| | 12/17/05 | 144.99 | 134.72 | 10.27 | |
| | 03/20/06 | 144.99 | 124.34 | 20.65 | |
| | 05/18/06 | 144.99 | 117.13 | 27.86 | |
| | 06/19/06 | 144.99 | 115.44 | 29.55 | |
| | 09/25/06 | 144.99 | 116.80 | 28.19 | |
| | 10/05/06 | 144.99 | 117.09 | 27.90 | |
| | 12/12/06 | 144.99 | 117.21 | 27.78 | |
| | 03/12/07 | 144.99 | 118.76 | 26.23 | |
| | 06/18/07 | 144.99 | 123.16 | 21.83 | |
| | 09/24/07 | 144.99 | 132.92 | 12.07 | |
| | 12/10/07 | 144.99 | 141.07 | 3.92 | |
| | 03/17/08 | 144.99 | 149.72 | -4.73 | |
| | 06/23/08 | 144.99 | 154.59 | -9.60 | |
| | 09/22/08 | 144.99 | 160.27 | -15.28 | |
| | 12/15/08 | 144.92 | 164.12 | -19.20 | |
| | 12/19/08 | 144.92 | 164.61 | -19.69 | |
| | 03/16/09 | 144.92 | 164.01 | -19.09 | |
| | 03/18/09 | 144.92 | 165.33 | -20.41 | |
| | 06/22/09 | 144.92 | 161.11 | -16.19 | |
| | 06/26/09 | 144.92 | 161.17 | -16.25 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-15 | 08/31/09 | 144.92 | 162.89 | -17.97 | |
| (cont'd) | 09/10/09 | 144.92 | 163.05 | -18.13 | |
| | 10/28/09 | 144.92 | 162.60 | -17.68 | |
| | 10/30/09 | 144.92 | 162.66 | -17.74 | |
| | 11/04/09 | 144.92 | 162.38 | -17.46 | |
| | 12/07/09 | 144.92 | 161.33 | -16.41 | |
| | 03/01/10 | 144.92 | 159.25 | -14.33 | |
| | 06/07/10 | 144.92 | 154.43 | -9.51 | |
| | 09/07/10 | 144.92 | 152.71 | -7.79 | |
| MW-16 | 11/09/99 | 164.08 | 170.71 | -6.63 | |
| | 11/09/99 | 164.08 | 170.84 | -6.76 | |
| | 11/10/99 | 164.08 | 171.00 | -6.92 | |
| | 11/10/99 | 164.08 | 174.01 | -9.93 | |
| | 11/22/99 | 164.08 | 163.94 | 0.14 | |
| | 11/23/99 | 164.08 | 164.17 | -0.09 | |
| | 12/06/99 | 164.08 | 164.36 | -0.28 | |
| | 12/07/99 | 164.08 | 164.32 | -0.24 | |
| | 12/07/99 | 164.08 | 172.50 | -8.42 | |
| | 02/07/00 | 164.08 | 162.75 | 1.33 | |
| | 02/18/00 | 164.08 | 162.36 | 1.72 | |
| | 06/21/00 | 164.08 | 160.66 | 3.42 | |
| | 07/05/00 | 164.08 | 161.62 | 2.46 | |
| | 07/06/00 | 164.08 | 161.62 | 2.46 | |
| | 01/16/01 | 146.18 | 148.73 | -2.55 | |
| | 03/19/01 | 146.18 | 146.47 | -0.29 | |
| | 03/26/01 | 146.18 | 146.07 | 0.11 | |
| | 04/03/01 | 146.18 | 145.80 | 0.38 | |
| | 04/10/01 | 146.18 | 145.50 | 0.68 | |
| | 04/17/01 | 146.18 | 145.20 | 0.98 | |
| | 04/26/01 | 146.18 | 145.50 | 0.68 | |
| | 05/10/01 | 146.18 | 144.70 | 1.48 | |
| | 06/26/01 | 146.18 | 149.09 | -2.91 | |
| | 10/24/01 | 146.26 | 151.72 | -5.46 | |
| | 01/15/02 | 142.73 | 148.36 | -5.63 | |
| | 03/19/02 | 142.73 | 145.53 | -2.80 | |
| | 04/15/02 | 142.73 | 145.24 | -2.51 | |
| | 10/31/02 | 142.73 | 149.95 | -7.22 | |
| | 11/18/02 | 142.73 | 147.11 | -4.38 | |
| | 01/17/03 | 142.73 | 133.43 | 9.30 | |
| | 01/17/03 | 142.73 | 133.44 | 9.29 | |
| | 05/08/03 | 142.73 | 142.24 | 0.49 | |
| | 06/09/03 | 142.73 | 145.96 | -3.23 | |
| | 09/15/03 | 142.73 | 150.25 | -7.52 | |
| | 09/19/03 | 142.73 | 150.32 | -7.59 | |
| | 09/24/03 | 142.73 | 150.37 | -7.64 | |
| | 09/25/03 | 142.73 | 150.26 | -7.53 | |
| | 10/14/03 | 142.73 | 149.51 | -6.78 | |
| | 12/02/03 | 142.73 | 143.81 | -1.08 | |
| | 12/03/03 | 142.73 | 143.52 | -0.79 | |
| | 12/15/03 | 142.73 | 141.50 | 1.23 | |
| | 03/29/04 | 142.73 | 129.17 | 13.56 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-16 | 04/29/04 | 142.73 | 128.89 | 13.84 | |
| (Cont'd) | 06/14/04 | 142.73 | 134.28 | 8.45 | |
| | 09/20/04 | 142.73 | 146.47 | -3.74 | |
| | 10/19/04 | 142.73 | 146.25 | -3.52 | |
| | 11/10/04 | 142.73 | 144.36 | -1.63 | |
| | 12/06/04 | 142.73 | 141.31 | 1.42 | |
| | 03/14/05 | 142.73 | 127.49 | 15.24 | |
| | 06/20/05 | 142.73 | 132.93 | 9.80 | |
| | 07/13/05 | 142.73 | 130.66 | 12.07 | |
| | 09/19/05 | 142.73 | 140.08 | 2.65 | |
| | 09/21/05 | 142.73 | 140.27 | 2.46 | |
| | 12/17/05 | 142.73 | 119.28 | 23.45 | |
| | 03/20/06 | 142.73 | 112.82 | 29.91 | |
| | 06/19/06 | 142.73 | 108.54 | 34.19 | |
| | 09/25/06 | 142.73 | 118.38 | 24.35 | |
| | 10/05/06 | 142.73 | 118.60 | 24.13 | |
| | 12/11/06 | 142.73 | 116.26 | 26.47 | |
| | 03/12/07 | 142.73 | 122.91 | 19.82 | |
| | 06/18/07 | 142.73 | 133.17 | 9.56 | |
| | 09/24/07 | 142.73 | 153.25 | -10.52 | |
| | 12/10/07 | 142.73 | 150.10 | -7.37 | |
| | 12/20/07 | 142.73 | 150.49 | -7.76 | |
| | 03/17/08 | 142.73 | 150.44 | -7.71 | |
| | 06/23/08 | 142.73 | 152.46 | -9.73 | |
| | 07/11/08 | 142.73 | 153.82 | -11.09 | |
| | 07/14/08 | 142.73 | 153.73 | -11.00 | |
| | 07/15/08 | 142.73 | 153.81 | -11.08 | |
| | 07/30/08 | 142.73 | 155.17 | -12.44 | |
| | 09/22/08 | 142.73 | 159.91 | -17.18 | |
| | 10/22/08 | 142.73 | 162.00 | -19.27 | |
| | 12/15/08 | 142.73 | 164.63 | -21.90 | |
| | 12/19/08 | 142.73 | 164.07 | -21.34 | |
| | 02/25/09 | 142.73 | 159.44 | -16.71 | |
| | 03/16/09 | 142.73 | 159.56 | -16.83 | |
| | 03/18/09 | 142.73 | 160.35 | -17.62 | |
| | 04/29/09 | 142.73 | 154.63 | -11.90 | |
| | 04/29/09 | 142.73 | 154.68 | -11.95 | |
| | 05/27/09 | 142.73 | 156.56 | -13.83 | |
| | 06/22/09 | 142.73 | 157.90 | -15.17 | |
| | 06/26/09 | 142.73 | 158.59 | -15.86 | |
| | 08/31/09 | 142.73 | 160.61 | -17.88 | |
| | 09/10/09 | 142.73 | 161.06 | -18.33 | |
| | 10/23/09 | 142.73 | 158.83 | -16.10 | |
| | 10/30/09 | 142.73 | 157.98 | -15.25 | |
| | 11/04/09 | 142.73 | 157.58 | -14.85 | |
| | 12/07/09 | 142.73 | 156.03 | -13.30 | |
| | 01/19/10 | 142.73 | 154.70 | -11.97 | |
| | 03/01/10 | 142.73 | 149.08 | -6.35 | |
| | 06/07/10 | 142.73 | 144.31 | -1.58 | |
| | 09/07/10 | 142.73 | 151.63 | -8.90 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-17 | 06/21/00 | 158.77 | 163.65 | -4.88 | |
| | 07/05/00 | 158.77 | 166.30 | -7.53 | |
| | 01/16/01 | 145.28 | 154.14 | -8.86 | |
| | 03/19/01 | 145.28 | 148.20 | -2.92 | |
| | 03/26/01 | 145.28 | 147.96 | -2.68 | |
| | 04/03/01 | 145.28 | 148.00 | -2.72 | |
| | 04/10/01 | 145.28 | 147.80 | -2.52 | |
| | 04/17/01 | 145.28 | 147.70 | -2.42 | |
| | 04/26/01 | 145.28 | 147.90 | -2.62 | |
| | 05/08/01 | 145.28 | 148.34 | -3.06 | |
| | 06/26/01 | 145.28 | 152.88 | -7.60 | |
| | 09/10/01 | 142.49 | 159.11 | -16.62 | |
| | 10/22/01 | 142.49 | 162.45 | -19.96 | |
| | 10/24/01 | 142.49 | 162.52 | -20.03 | |
| | 01/15/02 | 142.49 | 150.30 | -7.81 | |
| | 03/19/02 | 142.49 | 146.31 | -3.82 | |
| | 04/15/02 | 142.49 | 146.92 | -4.43 | |
| | 11/18/02 | 142.49 | 145.21 | -2.72 | |
| | 05/08/03 | 142.49 | 142.77 | -0.28 | |
| | 06/09/03 | 142.49 | 146.12 | -3.63 | |
| | 09/15/03 | 142.66 | 151.61 | -8.95 | |
| | 10/14/03 | 142.66 | 152.31 | -9.65 | |
| | 12/02/03 | 142.66 | 141.10 | 1.56 | |
| | 12/15/03 | 142.66 | 138.77 | 3.89 | |
| | 03/29/04 | 142.66 | 128.10 | 14.56 | |
| | 06/14/04 | 142.66 | 135.02 | 7.64 | |
| | 09/20/04 | 142.66 | 145.34 | -2.68 | |
| | 10/19/04 | 142.66 | 144.94 | -2.28 | |
| | 11/10/04 | 142.66 | 142.71 | -0.05 | |
| | 12/06/04 | 142.66 | 138.67 | 3.99 | |
| | 03/14/05 | 142.66 | 125.49 | 17.17 | |
| | 06/20/05 | 142.66 | 132.60 | 10.06 | |
| | 09/19/05 | 142.66 | 137.49 | 5.17 | |
| | 12/17/05 | 142.66 | 116.68 | 25.98 | |
| | 03/20/06 | 142.66 | 113.20 | 29.46 | |
| | 06/19/06 | 142.66 | 108.97 | 33.69 | |
| | 09/25/06 | 142.66 | 116.20 | 26.46 | |
| | 12/12/06 | 142.66 | 113.17 | 29.49 | |
| | 03/12/07 | 142.66 | 117.46 | 25.20 | |
| | 06/18/07 | 142.66 | 129.43 | 13.23 | |
| | 09/24/07 | 142.66 | 149.29 | -6.63 | |
| | 12/10/07 | 142.66 | 154.89 | -12.23 | |
| | 03/17/08 | 142.66 | 149.19 | -6.53 | |
| | 06/23/08 | 142.66 | 154.35 | -11.69 | |
| | 09/22/08 | 142.66 | 162.79 | -20.13 | |
| | 12/15/08 | 142.66 | 162.89 | -20.23 | |
| | 03/16/09 | 142.66 | 151.39 | -8.73 | |
| | 06/22/09 | 142.66 | 152.09 | -9.43 | |
| | 08/31/09 | 142.66 | 156.35 | -13.69 | |
| | 12/07/09 | 142.66 | 150.10 | -7.44 | |
| | 03/01/10 | 142.66 | 145.46 | -2.80 | |
| | 06/07/10 | 142.66 | 139.06 | 3.60 | |
| | 09/08/10 | 142.66 | 145.75 | -3.09 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-18 | 06/15/00 | 161.51 | 166.05 | -4.54 | |
| | 06/21/00 | 161.51 | 167.18 | -5.67 | |
| | 07/05/00 | 161.51 | 169.55 | -8.04 | |
| | 01/16/01 | 144.03 | 153.83 | -9.80 | |
| | 03/19/01 | 144.03 | 147.97 | -3.94 | |
| | 03/26/01 | 144.03 | 147.72 | -3.69 | |
| | 04/03/01 | 144.03 | 147.70 | -3.67 | |
| | 04/10/01 | 144.03 | 147.40 | -3.37 | |
| | 04/17/01 | 144.03 | 147.30 | -3.27 | |
| | 04/26/01 | 144.03 | 147.60 | -3.57 | |
| | 05/07/01 | 144.03 | 148.07 | -4.04 | |
| | 06/26/01 | 144.03 | 152.56 | -8.53 | |
| | 09/10/01 | 142.11 | 159.63 | -17.52 | |
| | 10/22/01 | 142.11 | 162.83 | -20.72 | |
| | 10/24/01 | 142.11 | 162.88 | -20.77 | |
| | 01/15/02 | 142.11 | 150.89 | -8.78 | |
| | 01/15/02 | 142.11 | 150.84 | -8.73 | |
| | 03/19/02 | 142.11 | 146.87 | -4.76 | |
| | 04/15/02 | 142.11 | 147.46 | -5.35 | |
| | 10/31/02 | 142.11 | 151.28 | -9.17 | |
| | 10/31/02 | 142.11 | 151.24 | -9.13 | |
| | 11/07/02 | 142.11 | 149.20 | -7.09 | |
| | 11/07/02 | 142.11 | 149.17 | -7.06 | |
| | 11/18/02 | 142.11 | 145.66 | -3.55 | |
| | 01/17/03 | 142.11 | 131.07 | 11.04 | |
| | 05/08/03 | 142.11 | 143.19 | -1.08 | |
| | 06/09/03 | 142.11 | 146.59 | -4.48 | |
| | 09/15/03 | 142.11 | 151.93 | -9.82 | |
| | 10/14/03 | 142.11 | 152.61 | -10.50 | |
| | 12/02/03 | 142.11 | 141.26 | 0.85 | |
| | 12/03/03 | 142.11 | 141.04 | 1.07 | |
| | 12/15/03 | 142.11 | 138.95 | 3.16 | |
| | 03/29/04 | 142.11 | 128.16 | 13.95 | |
| | 04/29/04 | 142.11 | 128.60 | 13.51 | |
| | 06/14/04 | 142.11 | 135.03 | 7.08 | |
| | 09/20/04 | 142.11 | 145.41 | -3.30 | |
| | 10/19/04 | 142.11 | 145.00 | -2.89 | |
| | 11/10/04 | 142.11 | 142.82 | -0.71 | |
| | 12/06/04 | 142.11 | 138.22 | 3.89 | |
| | 03/14/05 | 142.11 | 125.47 | 16.64 | |
| | 06/20/05 | 142.11 | 131.58 | 10.53 | |
| | 07/13/05 | 142.11 | 128.64 | 13.47 | |
| | 09/19/05 | 142.11 | 137.61 | 4.50 | |
| | 09/21/05 | 142.11 | 137.79 | 4.32 | |
| | 12/17/05 | 142.11 | 116.61 | 25.50 | |
| | 03/20/06 | 142.11 | 112.95 | 29.16 | |
| | 05/18/06 | 142.11 | 106.02 | 36.09 | |
| | 06/19/06 | 142.11 | 108.73 | 33.38 | |
| | 09/25/06 | 142.11 | 116.04 | 26.07 | |
| | 12/12/06 | 142.11 | 112.97 | 29.14 | |
| | 03/12/07 | 142.11 | 117.39 | 24.72 | |
| | 06/18/07 | 142.11 | 129.43 | 12.68 | |
| | 09/24/07 | 142.11 | 149.48 | -7.37 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-18 | 12/10/07 | 142.11 | 155.01 | -12.90 | |
| (Cont'd) | 03/17/08 | 142.11 | 149.46 | -7.35 | |
| | 06/23/08 | 142.11 | 154.58 | -12.47 | |
| | 09/22/08 | 142.11 | 162.96 | -20.85 | |
| | 12/15/08 | 142.11 | 163.14 | -21.03 | |
| | 03/16/09 | 142.11 | 151.76 | -9.65 | |
| | 06/22/09 | 142.11 | 152.37 | -10.26 | |
| | 08/31/09 | 142.11 | 156.67 | -14.56 | |
| | 12/07/09 | 142.11 | 150.40 | -8.29 | |
| | 03/01/10 | 142.11 | 145.68 | -3.57 | |
| | 06/07/10 | 142.11 | 139.22 | 2.89 | |
| | 09/07/10 | 142.11 | 145.91 | -3.80 | |
| MW-19 | 06/14/00 | 156.43 | 160.16 | -3.73 | |
| | 06/21/00 | 156.43 | 161.53 | -5.10 | |
| | 07/05/00 | 156.43 | 164.21 | -7.78 | |
| | 01/16/01 | 145.28 | UTM | -- | |
| | 03/19/01 | 145.28 | UTM | -- | |
| | 05/08/01 | 145.28 | 148.50 | -3.22 | |
| | 06/26/01 | 145.28 | 153.11 | -7.83 | |
| | 09/10/01 | 142.55 | 159.50 | -16.95 | |
| | 10/22/01 | 142.55 | 162.99 | -20.44 | |
| | 10/24/01 | 142.55 | 162.98 | -20.43 | |
| | 01/15/02 | 142.55 | 150.68 | -8.13 | |
| | 03/19/02 | 142.55 | 146.60 | -4.05 | |
| | 04/15/02 | 142.55 | 147.21 | -4.66 | |
| | 11/18/02 | 142.55 | 145.68 | -3.13 | |
| | 05/08/03 | 142.55 | 143.03 | -0.48 | |
| | 06/09/03 | 142.55 | 146.39 | -3.84 | |
| | 09/15/03 | 142.55 | 151.75 | -9.20 | |
| | 09/19/03 | 142.55 | 151.85 | -9.30 | |
| | 10/14/03 | 142.55 | 152.45 | -9.90 | |
| | 12/02/03 | 142.55 | 141.40 | 1.15 | |
| | 12/15/03 | 142.72 | 139.07 | 3.65 | |
| | 03/29/04 | 142.72 | 128.10 | 14.62 | |
| | 06/14/04 | 142.72 | 135.09 | 7.63 | |
| | 09/20/04 | 142.72 | 145.55 | -2.83 | |
| | 10/19/04 | 142.72 | 145.20 | -2.48 | |
| | 11/10/04 | 142.72 | 142.94 | -0.22 | |
| | 12/06/04 | 142.72 | 138.87 | 3.85 | |
| | 03/14/05 | 142.72 | 125.50 | 17.22 | |
| | 06/20/05 | 142.72 | 131.63 | 11.09 | |
| | 09/19/05 | 142.72 | 137.49 | 5.23 | |
| | 12/17/05 | 142.72 | 116.59 | 26.13 | |
| | 03/20/06 | 142.72 | 112.71 | 30.01 | |
| | 06/19/06 | 142.72 | 108.71 | 34.01 | |
| | 09/25/06 | 142.72 | 116.10 | 26.62 | |
| | 12/12/06 | 142.72 | 113.00 | 29.72 | |
| | 03/12/07 | 142.72 | 117.20 | 25.52 | |
| | 06/18/07 | 142.72 | 129.32 | 13.40 | |
| | 09/24/07 | 142.72 | 149.46 | -6.74 | |
| | 12/10/07 | 142.72 | 155.15 | -12.43 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-19 | 03/17/08 | 142.72 | 149.35 | -6.63 | |
| (Cont'd) | 06/23/08 | 142.72 | 154.47 | -11.75 | |
| | 09/22/08 | 142.72 | 163.03 | -20.31 | |
| | 12/15/08 | 142.72 | 163.18 | -20.46 | |
| | 03/16/09 | 142.72 | 151.68 | -8.96 | |
| | 06/22/09 | 142.72 | 152.41 | -9.69 | |
| | 08/31/09 | 142.72 | 156.69 | -13.97 | |
| | 12/07/09 | 142.72 | 150.42 | -7.70 | |
| | 03/01/10 | 142.72 | 145.73 | -3.01 | |
| | 06/07/10 | 142.72 | 139.20 | 3.52 | |
| | 09/08/10 | 142.72 | 145.97 | -3.25 | |
| MW-20 | 06/30/04 | 184.19 | 168.22 | 15.97 | |
| | 09/15/03 | 184.19 | 171.58 | 12.61 | |
| | 09/23/03 | 184.19 | 171.95 | 12.24 | |
| | 10/08/03 | 184.19 | 172.43 | 11.76 | |
| | 10/14/03 | 184.19 | 172.83 | 11.36 | |
| | 12/15/03 | 184.19 | 172.34 | 11.85 | |
| | 03/29/04 | 184.19 | 163.81 | 20.38 | |
| | 06/14/04 | 184.19 | 165.21 | 18.98 | |
| | 09/20/04 | 184.19 | 174.15 | 10.04 | |
| | 11/10/04 | 184.19 | 176.60 | 7.59 | |
| | 12/06/04 | 184.19 | 175.49 | 8.70 | |
| | 03/14/05 | 184.19 | 165.05 | 19.14 | |
| | 06/20/05 | 184.19 | 158.60 | 25.59 | |
| | 09/19/05 | 184.19 | 160.38 | 23.81 | |
| | 12/17/05 | 184.19 | 153.77 | 30.42 | |
| | 03/20/06 | 184.19 | 144.52 | 39.67 | |
| | 06/19/06 | 184.19 | 142.00 | 42.19 | |
| | 09/25/06 | 184.19 | 149.33 | 34.86 | |
| | 12/12/06 | 184.19 | 148.77 | 35.42 | |
| | 03/12/07 | 184.19 | 146.04 | 38.15 | |
| | 06/18/07 | 184.19 | 150.00 | 34.19 | |
| | 09/24/07 | 184.19 | 166.46 | 17.73 | |
| | 12/10/07 | 184.19 | 176.76 | 7.43 | |
| | 03/17/08 | 184.19 | 177.00 | 7.19 | |
| | 06/23/08 | 184.19 | 176.53 | 7.66 | |
| | 09/22/08 | 184.19 | 182.60 | 1.59 | |
| | 12/15/08 | 184.19 | 185.69 | -1.50 | |
| | 03/16/09 | 184.19 | 184.62 | -0.43 | |
| | 06/22/09 | 184.19 | 182.07 | 2.12 | |
| | 08/31/09 | 184.19 | 183.50 | 0.69 | |
| | 12/07/09 | 184.19 | 184.31 | -0.12 | |
| | 03/01/10 | 184.19 | 180.87 | 3.32 | |
| | 06/07/10 | 184.19 | 174.32 | 9.87 | |
| | 09/07/10 | 184.19 | 175.17 | 9.02 | |
| MW-21 | 09/15/03 | 142.68 | 146.34 | -3.66 | |
| | 09/19/03 | 142.68 | 146.53 | -3.85 | |
| | 09/23/03 | 142.68 | 146.75 | -4.07 | |
| | 09/25/03 | 142.68 | 147.05 | -4.37 | |
| | 10/08/03 | 142.68 | 147.31 | -4.63 | |
| | 10/14/03 | 142.68 | 147.72 | -5.04 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-21 | 12/02/03 | 142.68 | 142.95 | -0.27 | |
| (Cont'd) | 12/03/03 | 142.68 | 142.65 | 0.03 | |
| | 12/15/03 | 142.68 | 141.34 | 1.34 | |
| | 03/29/04 | 142.68 | 130.83 | 11.85 | |
| | 04/29/04 | 142.68 | 129.48 | 13.20 | |
| | 06/14/04 | 142.68 | 131.21 | 11.47 | |
| | 09/20/04 | 142.68 | 138.15 | 4.53 | |
| | 10/19/04 | 142.68 | 138.75 | 3.93 | |
| | 11/10/04 | 142.68 | 138.82 | 3.86 | |
| | 12/06/04 | 142.68 | 137.64 | 5.04 | |
| | 03/14/05 | 142.68 | 128.64 | 14.04 | |
| | 06/20/05 | 142.68 | 127.83 | 14.85 | |
| | 07/13/05 | 142.68 | 126.82 | 15.86 | |
| | 09/19/05 | 142.68 | 131.31 | 11.37 | |
| | 09/21/05 | 142.68 | 131.51 | 11.17 | |
| | 12/17/05 | 142.68 | 120.26 | 22.42 | |
| | 03/20/06 | 142.68 | 113.24 | 29.44 | |
| | 06/19/06 | 142.68 | 107.60 | 35.08 | |
| | 09/25/06 | 142.68 | 111.36 | 31.32 | |
| | 10/05/06 | 142.68 | 111.45 | 31.23 | |
| | 12/11/06 | 142.68 | 110.57 | 32.11 | |
| | 03/12/07 | 142.68 | 114.18 | 28.50 | |
| | 06/18/07 | 142.68 | 120.04 | 22.64 | |
| | 09/24/07 | 142.68 | 135.85 | 6.83 | |
| | 12/10/07 | 142.68 | 146.37 | -3.69 | |
| | 01/21/08 | 140.30 | 148.51 | -8.2 | |
| | 03/17/08 | 140.30 | 146.90 | -6.6 | |
| | 05/27/08 | 141.23 | 148.71 | -7.48 | |
| | 06/23/08 | 141.23 | 150.40 | -9.17 | |
| | 07/09/08 | 141.18 | 160.02 | -18.84 | Pilot GETS |
| | 07/11/08 | 141.18 | 153.31 | -12.13 | |
| | 07/14/08 | 141.18 | 152.84 | -11.66 | |
| | 07/15/08 | 141.18 | 161.98 | -20.8 | Pilot GETS |
| | 07/30/08 | 141.18 | 162.93 | -21.75 | Pilot GETS |
| | 08/14/08 | 141.18 | 165.94 | -24.76 | Pilot GETS |
| | 08/25/08 | 141.18 | 167.47 | -26.29 | Pilot GETS |
| | 09/22/08 | 141.18 | 170.65 | -29.47 | Pilot GETS |
| | 10/22/08 | 141.18 | 172.35 | -31.17 | |
| | 12/15/08 | 141.18 | 168.21 | -27.03 | |
| | 12/19/08 | 141.18 | 166.50 | -25.32 | |
| | 01/07/09 | 141.18 | 161.36 | -20.18 | |
| | 02/25/09 | 141.18 | 165.74 | -24.56 | Pilot GETS |
| | 03/16/09 | 141.18 | 166.33 | -25.15 | Pilot GETS |
| | 03/18/09 | 141.18 | 164.52 | -23.34 | Pilot GETS |
| | 04/29/09 | 141.18 | 156.91 | -15.73 | |
| | 04/29/09 | 141.18 | 162.95 | -21.77 | Pilot GETS |
| | 05/27/09 | 141.18 | 162.71 | -21.53 | Pilot GETS |
| | 06/22/09 | 141.18 | 163.25 | -22.07 | Pilot GETS |
| | 06/26/09 | 141.18 | 163.49 | -22.31 | Pilot GETS |
| | 06/29/09 | 141.18 | 163.93 | -22.75 | Pilot GETS |
| | 07/22/09 | 141.18 | 166.47 | -25.29 | Pilot GETS |
| | 08/14/09 | 141.18 | 170.24 | -29.06 | Pilot GETS |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-21 | 08/31/09 | 141.18 | 166.80 | -25.62 | Pilot GETS |
| (Cont'd) | 09/10/09 | 141.18 | 168.29 | -27.11 | Pilot GETS |
| | 09/11/09 | 141.18 | 167.13 | -25.95 | Pilot GETS |
| | 10/08/09 | 141.18 | 166.65 | -25.47 | Pilot GETS |
| | 10/23/09 | 141.18 | 155.98 | -14.80 | Pilot GETS |
| | 10/30/09 | 141.18 | 154.90 | -13.72 | |
| | 11/04/09 | 141.18 | 154.08 | -12.90 | |
| | 12/07/09 | 141.18 | 150.92 | -9.74 | |
| | 12/09/09 | 141.18 | 155.00 | -13.82 | |
| | 03/01/10 | 141.18 | 144.78 | -3.60 | |
| | 06/07/10 | 141.18 | 137.88 | 3.30 | |
| | 09/07/10 | 141.18 | 139.87 | 1.31 | |
| MW-22 | 09/15/03 | 138.65 | 147.40 | -8.75 | |
| | 09/15/03 | 138.65 | 148.23 | -9.58 | |
| | 09/19/03 | 138.65 | 147.65 | -9.00 | |
| | 09/23/03 | 138.65 | 147.77 | -9.12 | |
| | 09/25/03 | 138.65 | 147.92 | -9.27 | |
| | 10/08/03 | 138.65 | 148.08 | -9.43 | |
| | 10/14/03 | 138.65 | 148.24 | -9.59 | |
| | 12/02/03 | 138.65 | 136.80 | 1.85 | |
| | 12/03/03 | 138.65 | 136.56 | 2.09 | |
| | 12/15/03 | 138.65 | 134.47 | 4.18 | |
| | 03/29/04 | 138.65 | 123.84 | 14.81 | |
| | 04/29/04 | 138.65 | 124.38 | 14.27 | |
| | 06/14/04 | 138.65 | 130.80 | 7.85 | |
| | 09/20/04 | 138.65 | 141.03 | -2.38 | |
| | 10/19/04 | 138.65 | 140.81 | -2.16 | |
| | 11/10/04 | 138.65 | 138.43 | 0.22 | |
| | 12/06/04 | 138.65 | 134.38 | 4.27 | |
| | 03/14/05 | 138.65 | 121.17 | 17.48 | |
| | 06/20/05 | 138.65 | 127.33 | 11.32 | |
| | 07/13/05 | 138.65 | 124.37 | 14.28 | |
| | 09/19/05 | 138.65 | 133.55 | 5.10 | |
| | 09/21/05 | 138.65 | 133.66 | 4.99 | |
| | 12/17/05 | 138.65 | 112.37 | 26.28 | |
| | 03/20/06 | 138.65 | 109.01 | 29.64 | |
| | 06/19/06 | 138.65 | 104.82 | 33.83 | |
| | 09/25/06 | 138.65 | 112.02 | 26.63 | |
| | 12/12/06 | 138.65 | 108.93 | 29.72 | |
| | 03/12/07 | 138.65 | 113.44 | 25.21 | |
| | 06/18/07 | 138.65 | 125.49 | 13.16 | |
| | 09/24/07 | 138.65 | 145.19 | -6.54 | |
| | 12/10/07 | 138.65 | 150.68 | -12.03 | |
| | 12/20/07 | 138.65 | 150.54 | -11.89 | |
| | 01/21/08 | 138.65 | 148.35 | -9.70 | |
| | 03/17/08 | 138.65 | 145.11 | -6.46 | |
| | 04/21/08 | 138.65 | 145.53 | -6.88 | |
| | 05/27/06 | 138.65 | 148.00 | -9.35 | |
| | 06/23/08 | 138.65 | 150.29 | -11.64 | |
| | 09/22/08 | 138.65 | 158.69 | -20.04 | |
| | 12/15/08 | 138.65 | 158.75 | -20.10 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-22 | 03/16/09 | 138.65 | 147.07 | -8.42 | |
| (Cont'd) | 06/22/09 | 138.65 | 147.84 | -9.19 | |
| | 08/31/09 | 138.65 | 152.10 | -13.45 | |
| | 12/07/09 | 138.65 | 145.84 | -7.19 | |
| | 03/01/10 | 138.65 | 141.12 | -2.47 | |
| | 06/07/10 | 138.65 | 134.83 | 3.82 | |
| | 09/07/10 | 138.65 | 141.49 | -2.84 | |
| MW-23 | 09/15/03 | 137.16 | 147.30 | -10.14 | |
| | 09/19/03 | 137.33 | 147.75 | -10.42 | |
| | 09/23/03 | 137.33 | 147.75 | -10.42 | |
| | 09/25/03 | 137.33 | 147.87 | -10.54 | |
| | 10/08/03 | 137.33 | 148.09 | -10.76 | |
| | 10/14/03 | 137.33 | 148.21 | -10.88 | |
| | 12/02/03 | 137.33 | 136.17 | 1.16 | |
| | 12/15/03 | 137.33 | 133.83 | 3.50 | |
| | 03/29/04 | 137.33 | 123.30 | 14.03 | |
| | 04/29/04 | 137.33 | 123.77 | 13.56 | |
| | 06/14/04 | 137.33 | 130.20 | 7.13 | |
| | 09/20/04 | 137.33 | 140.19 | -2.86 | |
| | 10/19/04 | 137.33 | UTM | -- | |
| | 11/10/04 | 137.33 | 137.76 | -0.43 | |
| | 12/06/04 | 137.33 | 133.56 | 3.77 | |
| | 03/14/05 | 137.33 | 120.52 | 16.81 | |
| | 06/20/05 | 137.33 | 127.18 | 10.15 | |
| | 07/13/05 | 137.33 | 123.89 | 13.44 | |
| | 09/19/05 | 137.33 | 133.50 | 3.83 | |
| | 09/21/05 | 137.33 | 133.67 | 3.66 | |
| | 12/17/05 | 137.33 | 111.74 | 25.59 | |
| | 03/20/06 | 137.33 | 108.90 | 28.43 | |
| | 05/18/06 | 137.33 | 101.55 | 35.78 | |
| | 06/19/06 | 137.33 | 104.32 | 33.01 | |
| | 09/25/06 | 137.33 | 111.42 | 25.91 | |
| | 12/12/06 | 137.33 | 108.30 | 29.03 | |
| | 03/12/07 | 137.33 | 113.48 | 23.85 | |
| | 06/18/07 | 137.33 | 125.48 | 11.85 | |
| | 09/24/07 | 137.33 | 144.94 | -7.61 | |
| | 12/10/07 | 137.33 | 150.40 | -13.07 | |
| | 12/20/07 | 137.33 | 150.23 | -12.90 | |
| | 03/17/08 | 137.33 | 145.00 | -7.67 | |
| | 04/21/08 | 137.33 | 145.50 | -8.17 | |
| | 06/23/08 | 137.33 | 150.33 | -13.00 | |
| | 08/26/08 | 137.33 | 166.71 | -29.38 | |
| | 09/22/08 | 137.33 | 158.58 | -21.25 | |
| | 12/15/08 | 137.33 | 158.48 | -21.15 | |
| | 03/16/09 | 137.33 | 146.43 | -9.10 | |
| | 06/23/09 | 137.33 | 147.50 | -10.17 | |
| | 08/31/09 | 137.33 | 151.58 | -14.25 | |
| | 10/23/09 | 137.33 | 148.44 | -11.11 | |
| | 10/30/09 | 137.33 | 147.82 | -10.49 | |
| | 11/04/09 | 137.33 | 147.40 | -10.07 | |
| | 12/07/09 | 137.33 | 145.18 | -7.85 | |
| | 03/01/10 | 137.33 | 140.52 | -3.19 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-23 | 06/07/10 | 137.33 | 134.30 | 3.03 | |
| (Cont'd) | 09/07/10 | 137.33 | 140.90 | -3.57 | |
| MW-24 | 09/23/04 | 142.83 | 139.35 | 3.48 | |
| | 10/19/04 | 142.83 | 141.09 | 1.74 | |
| | 11/10/04 | 142.83 | 140.60 | 2.23 | |
| | 12/06/04 | 142.83 | 139.34 | 3.49 | |
| | 03/14/05 | 142.83 | 129.12 | 13.71 | |
| | 06/20/05 | 142.83 | 124.62 | 18.21 | |
| | 07/13/05 | 142.83 | 124.60 | 18.23 | |
| | 09/19/05 | 142.83 | 127.51 | 15.32 | |
| | 09/21/05 | 142.83 | 127.60 | 15.23 | |
| | 12/17/05 | 142.83 | 118.37 | 24.46 | |
| | 03/20/06 | 142.83 | 109.25 | 33.58 | |
| | 06/19/06 | 142.83 | 107.30 | 35.53 | |
| | 09/25/06 | 142.83 | 115.04 | 27.79 | |
| | 10/05/06 | 142.83 | 115.35 | 27.48 | |
| | 12/11/06 | 142.83 | 113.61 | 29.22 | |
| | 03/12/07 | 142.83 | 111.60 | 31.23 | |
| | 06/18/07 | 142.83 | 118.08 | 24.75 | |
| | 09/24/07 | 142.83 | 135.15 | 7.68 | |
| | 12/10/07 | 142.83 | 143.49 | -0.66 | |
| | 03/17/08 | 142.83 | 143.70 | -0.87 | |
| | 06/23/08 | 142.83 | 145.17 | -2.34 | |
| | 07/11/08 | 142.83 | 146.50 | -3.67 | |
| | 07/14/08 | 142.83 | 146.72 | -3.89 | |
| | 07/15/08 | 142.83 | 146.84 | -4.01 | |
| | 09/22/08 | 142.83 | 151.29 | -8.46 | |
| | 10/22/08 | 142.83 | 152.72 | -9.89 | |
| | 12/15/08 | 142.83 | 154.29 | -11.46 | |
| | 12/19/08 | 142.83 | 154.81 | -11.98 | |
| | 02/25/09 | 142.83 | 153.94 | -11.11 | |
| | 03/16/09 | 142.83 | 152.94 | -10.11 | |
| | 03/18/09 | 142.83 | 152.55 | -9.72 | |
| | 05/27/09 | 142.83 | 150.38 | -7.55 | |
| | 06/22/09 | 142.83 | 150.37 | -7.54 | |
| | 06/26/09 | 142.83 | 150.42 | -7.59 | |
| | 08/31/09 | 142.83 | 152.31 | -9.48 | |
| | 09/10/09 | 142.83 | 152.59 | -9.76 | |
| | 12/07/09 | 142.83 | 152.04 | -9.21 | |
| | 02/10/10 | 142.83 | 149.58 | -6.75 | |
| | 02/12/10 | 142.83 | 149.53 | -6.70 | |
| | 03/01/10 | 142.83 | 148.54 | -5.71 | |
| | 06/07/10 | 142.83 | 142.40 | 0.43 | |
| | 09/07/10 | 142.83 | 143.41 | -0.58 | |
| MW-25 | 09/20/04 | 142.64 | 152.87 | -10.23 | |
| | 10/19/04 | 142.64 | 145.96 | -3.32 | |
| | 11/10/04 | 142.64 | 143.60 | -0.96 | |
| | 12/06/04 | 142.64 | 140.84 | 1.80 | |
| | 03/14/05 | 142.64 | 129.79 | 12.85 | |
| | 06/20/05 | 142.64 | 125.06 | 17.58 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-25 | 07/13/05 | 142.64 | 122.98 | 19.66 | |
| (Cont'd) | 09/19/05 | 142.64 | 126.64 | 16.00 | |
| | 09/21/05 | 142.64 | 127.57 | 15.07 | |
| | 12/17/05 | 142.64 | 115.32 | 27.32 | |
| | 03/20/06 | 142.64 | 107.47 | 35.17 | |
| | 06/19/06 | 142.64 | 106.28 | 36.36 | |
| | 09/25/06 | 142.64 | 114.63 | 28.01 | |
| | 10/05/06 | 142.64 | 117.63 | 25.01 | |
| | 12/12/06 | 142.64 | 113.90 | 28.74 | |
| | 03/12/07 | 142.64 | 111.03 | 31.61 | |
| | 06/18/07 | 142.64 | 118.13 | 24.51 | |
| | 09/24/07 | 142.64 | 137.17 | 5.47 | |
| | 12/10/07 | 142.64 | 148.21 | -5.57 | |
| | 12/20/07 | 142.64 | 151.34 | -8.70 | |
| | 03/17/08 | 142.64 | 146.31 | -3.67 | |
| | 06/23/08 | 142.64 | 147.94 | -5.30 | |
| | 09/22/08 | 142.64 | 157.18 | -14.54 | |
| | 10/22/08 | 142.64 | 158.43 | -15.79 | |
| | 12/15/08 | 142.64 | 158.84 | -16.20 | |
| | 12/19/08 | 142.64 | 158.79 | -16.15 | |
| | 02/25/09 | 142.64 | 155.58 | -12.94 | |
| | 03/16/09 | 142.64 | 153.43 | -10.79 | |
| | 03/18/09 | 142.64 | 154.82 | -12.18 | |
| | 05/27/09 | 142.64 | 150.45 | -7.81 | |
| | 06/22/09 | 142.64 | 150.68 | -8.04 | |
| | 06/26/09 | 142.64 | 151.00 | -8.36 | |
| | 08/31/09 | 142.64 | 154.61 | -11.97 | |
| | 09/10/09 | 142.64 | 154.66 | -12.02 | |
| | 12/07/09 | 142.64 | 153.57 | -10.93 | |
| | 03/01/10 | 142.64 | 146.59 | -3.95 | |
| | 06/07/10 | 142.64 | 140.30 | 2.34 | |
| | 09/07/10 | 142.64 | 144.61 | -1.97 | |
| MW-26A | 10/19/04 | 137.30 | 135.45 | 1.85 | |
| | 11/10/04 | 137.30 | 135.59 | 1.71 | |
| | 12/06/04 | 137.30 | 135.06 | 2.24 | |
| | 03/14/05 | 137.30 | 127.74 | 9.56 | |
| | 06/20/05 | 137.30 | 125.41 | 11.89 | |
| | 07/13/05 | 137.30 | 125.00 | 12.30 | |
| | 09/19/05 | 137.30 | 127.22 | 10.08 | |
| | 09/21/05 | 137.30 | 127.31 | 9.99 | |
| | 12/17/05 | 137.30 | 121.44 | 15.86 | |
| | 03/20/06 | 137.30 | 112.18 | 25.12 | |
| | 05/18/06 | 137.30 | 107.48 | 29.82 | |
| | 06/19/06 | 137.30 | 106.50 | 30.80 | |
| | 09/25/06 | 137.30 | 108.81 | 28.49 | |
| | 12/12/06 | 137.30 | 108.94 | 28.36 | |
| | 03/12/07 | 137.30 | 110.51 | 26.79 | |
| | 06/18/07 | 137.30 | 115.63 | 21.67 | |
| | 09/24/07 | 137.30 | 129.55 | 7.75 | |
| | 12/10/07 | 137.30 | 138.57 | -1.27 | |
| | 12/20/07 | 137.30 | 139.55 | -2.25 | |
| | 12/20/07 | 137.30 | 139.52 | -2.22 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-26A | 01/21/08 | 137.30 | 141.21 | -3.91 | |
| (Cont'd) | 03/17/08 | 137.30 | 142.09 | -4.79 | |
| | 04/21/08 | 137.30 | 142.34 | -5.04 | |
| | 05/27/08 | 137.04 | 142.91 | -5.87 | |
| | 06/23/08 | 137.04 | 144.94 | -7.90 | |
| | 08/26/08 | 137.04 | 147.75 | -10.71 | |
| | 09/22/08 | 137.04 | 149.54 | -12.50 | |
| | 12/15/08 | 137.04 | 153.18 | -16.14 | |
| | 03/16/09 | 137.04 | 151.38 | -14.34 | |
| | 06/22/09 | 137.04 | 147.67 | -10.63 | |
| | 08/31/09 | 137.04 | 150.21 | -13.17 | |
| | 10/13/09 | 137.04 | 150.44 | -13.40 | |
| | 10/30/09 | 137.04 | 149.92 | -12.88 | |
| | 12/07/09 | 137.04 | 148.20 | -11.16 | |
| | 03/01/10 | 137.04 | 145.68 | -8.64 | |
| | 03/22/10 | 137.04 | 144.06 | -7.02 | |
| | 06/07/10 | 137.04 | 139.28 | -2.24 | |
| | 09/07/10 | 137.04 | 139.18 | -2.14 | |
| MW-26B | 10/19/04 | 137.20 | 136.23 | 0.97 | |
| | 11/10/04 | 137.20 | 136.16 | 1.04 | |
| | 12/06/04 | 137.20 | 136.02 | 1.18 | |
| | 03/14/05 | 137.20 | 131.73 | 5.47 | |
| | 06/20/05 | 137.20 | 129.29 | 7.91 | |
| | 07/13/05 | 137.20 | 129.00 | 8.20 | |
| | 09/19/05 | 137.20 | 129.99 | 7.21 | |
| | 09/21/05 | 137.20 | 130.07 | 7.13 | |
| | 12/17/05 | 137.20 | 126.53 | 10.67 | |
| | 03/20/06 | 137.20 | 118.22 | 18.98 | |
| | 06/19/06 | 137.20 | 110.17 | 27.03 | |
| | 09/25/06 | 137.20 | 110.84 | 26.36 | |
| | 10/05/06 | 137.20 | 111.20 | 26.00 | |
| | 12/12/06 | 137.20 | 111.31 | 25.89 | |
| | 03/12/07 | 137.20 | 113.61 | 23.59 | |
| | 06/18/07 | 137.20 | 117.50 | 19.70 | |
| | 09/24/07 | 137.20 | 127.68 | 9.52 | |
| | 12/10/07 | 137.20 | 135.82 | 1.38 | |
| | 12/20/07 | 137.20 | 136.85 | 0.35 | |
| | 12/20/07 | 137.20 | 136.78 | 0.42 | |
| | 01/21/08 | 137.20 | 139.21 | -2.01 | |
| | 03/17/08 | 137.20 | 142.10 | -4.90 | |
| | 05/27/08 | 137.05 | 144.96 | -7.91 | |
| | 06/23/08 | 137.05 | 146.29 | -9.24 | |
| | 08/26/08 | 137.05 | 150.28 | -13.23 | |
| | 09/22/08 | 137.05 | 151.94 | -14.89 | |
| | 12/15/08 | 137.05 | 155.64 | -18.59 | |
| | 12/19/08 | 137.05 | 156.13 | -19.08 | |
| | 03/16/09 | 137.05 | 155.53 | -18.48 | |
| | 03/18/09 | 137.05 | 155.16 | -18.11 | |
| | 06/22/09 | 137.05 | 152.80 | -15.75 | |
| | 08/31/09 | 137.05 | 154.60 | -17.55 | |
| | 09/10/09 | 137.05 | 154.60 | -17.55 | |
| | 10/13/09 | 137.05 | 154.75 | -17.70 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-26B | 10/14/09 | 137.05 | 154.80 | -17.75 | |
| (Cont'd) | 10/30/09 | 137.05 | 154.41 | -17.36 | |
| | 12/07/09 | 137.05 | 153.17 | -16.12 | |
| | 02/10/10 | 137.05 | 151.63 | -14.58 | |
| | 03/01/10 | 137.05 | 151.04 | -13.99 | |
| | 06/07/10 | 137.05 | 146.22 | -9.17 | |
| | 09/07/10 | 137.05 | 144.57 | -7.52 | |
| MW-26C | 10/19/04 | 137.28 | 141.81 | -4.53 | |
| | 11/10/04 | 137.28 | 139.83 | -2.55 | |
| | 12/06/04 | 137.28 | 135.90 | 1.38 | |
| | 03/14/05 | 137.28 | 121.75 | 15.53 | |
| | 06/20/05 | 137.28 | 128.11 | 9.17 | |
| | 07/13/05 | 137.28 | 125.75 | 11.53 | |
| | 09/19/05 | 137.28 | 137.35 | -0.07 | |
| | 09/21/05 | 137.28 | 137.45 | -0.17 | |
| | 12/17/05 | 137.28 | 112.48 | 24.80 | |
| | 03/20/06 | 137.28 | 109.21 | 28.07 | |
| | 06/19/06 | 137.28 | 104.32 | 32.96 | |
| | 09/25/06 | 137.28 | 113.96 | 23.32 | |
| | 10/05/06 | 137.28 | 114.08 | 23.20 | |
| | 12/12/06 | 137.28 | 111.13 | 26.15 | |
| | 03/12/07 | 137.28 | 119.52 | 17.76 | |
| | 06/18/07 | 137.28 | 130.71 | 6.57 | |
| | 09/24/07 | 137.28 | 153.19 | -15.91 | |
| | 12/10/07 | 137.28 | 160.43 | -23.15 | |
| | 12/20/07 | 137.28 | 160.88 | -23.60 | |
| | 01/21/08 | 137.28 | 157.99 | -20.71 | |
| | 02/21/08 | 137.28 | 155.52 | -18.24 | |
| | 03/17/08 | 137.28 | 154.73 | -17.45 | |
| | 04/21/08 | 137.28 | 155.21 | -17.93 | |
| | 05/27/08 | 137.06 | 158.25 | -21.19 | |
| | 06/10/08 | 137.06 | 159.70 | -22.64 | |
| | 06/23/08 | 137.06 | 161.15 | -24.09 | |
| | 07/16/08 | 137.06 | 164.52 | -27.46 | |
| | 08/26/08 | 137.06 | 169.10 | -32.04 | |
| | 09/22/08 | 137.06 | 170.89 | -33.83 | |
| | 10/22/08 | 137.06 | 171.58 | -34.52 | |
| | 12/15/08 | 137.06 | 169.04 | -31.98 | |
| | 12/19/08 | 137.06 | 169.36 | -32.30 | |
| | 01/07/09 | 137.06 | 163.22 | -26.16 | |
| | 03/16/09 | 137.06 | 153.10 | -16.04 | |
| | 03/18/09 | 137.06 | 152.44 | -15.38 | |
| | 04/29/09 | 137.06 | 148.57 | -11.51 | |
| | 06/22/09 | 137.06 | 152.47 | -15.41 | |
| | 06/26/09 | 137.06 | 155.40 | -18.34 | |
| | 08/31/09 | 137.06 | 158.68 | -21.62 | |
| | 09/10/09 | 137.06 | 161.04 | -23.98 | |
| | 10/13/09 | 137.06 | 156.48 | -19.42 | |
| | 10/14/09 | 137.06 | 156.42 | -19.36 | |
| | 10/23/09 | 137.06 | 154.73 | -17.67 | |
| | 10/30/09 | 137.06 | 154.12 | -17.06 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-26C | 11/04/09 | 137.06 | 153.77 | -16.71 | |
| (Cont'd) | 12/07/09 | 137.06 | 150.92 | -13.86 | |
| | 01/19/10 | 137.06 | 149.68 | -12.62 | |
| | 02/10/10 | 137.06 | 145.81 | -8.75 | |
| | 02/12/10 | 137.06 | 145.52 | -8.46 | |
| | 03/01/10 | 137.06 | 143.18 | -6.12 | |
| | 06/07/10 | 137.06 | 140.37 | -3.31 | |
| | 07/30/10 | 137.22 | 144.20 | -6.98 | |
| | 09/07/10 | 137.22 | 147.97 | -10.75 | |
| MW-27 | 05/27/08 | 137.16 | 157.80 | -20.64 | |
| | 06/10/08 | 137.16 | 159.22 | -22.06 | |
| | 06/23/08 | 137.16 | 160.75 | -23.59 | |
| | 07/16/08 | 137.16 | 164.03 | -26.87 | |
| | 08/26/08 | 137.16 | 168.65 | -31.49 | |
| | 09/22/08 | 137.16 | 170.52 | -33.36 | |
| | 10/22/08 | 137.16 | 171.19 | -34.03 | |
| | 12/15/08 | 137.16 | 168.92 | -31.76 | |
| | 12/19/08 | 137.16 | 169.05 | -31.89 | |
| | 01/07/09 | 137.16 | 163.06 | -25.90 | |
| | 03/16/09 | 137.16 | 153.24 | -16.08 | |
| | 03/18/09 | 137.16 | 152.49 | -15.33 | |
| | 04/29/09 | 137.16 | 148.59 | -11.43 | |
| | 06/22/09 | 137.16 | 152.42 | -15.26 | |
| | 06/24/09 | 137.16 | 154.08 | -16.92 | |
| | 08/31/09 | 137.16 | 158.65 | -21.49 | |
| | 09/10/09 | 137.16 | 160.81 | -23.65 | |
| | 10/13/09 | 137.16 | 156.43 | -19.27 | |
| | 10/14/09 | 137.16 | 156.35 | -19.19 | |
| | 10/23/09 | 137.16 | 154.73 | -17.57 | |
| | 10/30/09 | 137.16 | 154.10 | -16.94 | |
| | 11/04/09 | 137.16 | 153.77 | -16.61 | |
| | 12/07/09 | 137.16 | 150.98 | -13.82 | |
| | 01/19/10 | 137.16 | 149.60 | -12.44 | |
| | 03/01/10 | 137.16 | 143.25 | -6.09 | |
| | 03/02/10 | 137.16 | 143.02 | -5.86 | |
| | 06/07/10 | 137.16 | 139.74 | -2.58 | |
| | 07/30/10 | 137.16 | 143.73 | -6.57 | |
| | 09/07/10 | 137.16 | 147.75 | -10.59 | |
| MW-28 | 05/16/08 | 140.77 | 160.41 | -19.64 | |
| | 05/27/08 | 140.77 | 161.69 | -20.92 | |
| | 06/10/08 | 140.77 | 163.08 | -22.31 | |
| | 06/23/08 | 140.77 | 164.55 | -23.78 | |
| | 07/16/08 | 140.77 | 167.88 | -27.11 | |
| | 08/26/08 | 140.77 | 174.46 | -33.69 | |
| | 09/22/08 | 140.77 | 174.45 | -33.68 | |
| | 10/22/08 | 140.77 | 175.11 | -34.34 | |
| | 12/15/08 | 140.77 | 172.87 | -32.10 | |
| | 12/19/08 | 140.77 | 172.97 | -32.20 | |
| | 01/07/09 | 140.77 | 166.82 | -26.05 | |
| | 03/16/09 | 140.77 | 157.25 | -16.48 | |
| | 03/18/09 | 140.77 | 156.45 | -15.68 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-28 | 04/29/08 | 140.77 | 152.49 | -11.72 | |
| (Cont'd) | 06/22/09 | 140.77 | 156.45 | -15.68 | |
| | 06/24/09 | 140.77 | 157.74 | -16.97 | |
| | 08/31/09 | 140.77 | 162.68 | -21.91 | |
| | 09/10/09 | 140.77 | 164.54 | -23.77 | |
| | 10/13/09 | 140.77 | 160.35 | -19.58 | |
| | 10/14/09 | 140.77 | 160.32 | -19.55 | |
| | 10/23/09 | 140.77 | 158.57 | -17.80 | |
| | 10/30/09 | 140.77 | 158.02 | -17.25 | |
| | 11/04/09 | 140.77 | 157.61 | -16.84 | |
| | 12/07/09 | 140.77 | 154.74 | -13.97 | |
| | 01/19/10 | 140.77 | 153.63 | -12.86 | |
| | 03/01/10 | 140.77 | 147.29 | -6.52 | |
| | 03/04/10 | 140.77 | 146.80 | -6.03 | |
| | 06/07/10 | 140.77 | 143.98 | -3.21 | |
| | 07/30/10 | 140.77 | 147.43 | -6.66 | |
| | 09/07/10 | 140.77 | 151.67 | -10.90 | |
| MW-29 | 08/15/08 | 142.21 | 174.90 | -32.69 | |
| | 08/19/08 | 142.21 | 174.44 | -32.23 | |
| | 08/26/08 | 142.21 | 175.21 | -33.00 | |
| | 09/22/08 | 142.21 | 177.31 | -35.10 | |
| | 10/22/08 | 142.21 | 178.13 | -35.92 | |
| | 12/15/08 | 142.34 | 176.26 | -33.92 | |
| | 01/07/09 | 142.34 | 170.00 | -27.66 | |
| | 03/16/09 | 142.34 | 160.00 | -17.66 | |
| | 03/18/09 | 142.34 | 159.22 | -16.88 | |
| | 04/29/09 | 142.34 | 154.91 | -12.57 | |
| | 06/22/09 | 142.34 | 158.97 | -16.63 | |
| | 06/24/09 | 142.34 | 159.99 | -17.65 | |
| | 08/31/09 | 142.34 | 165.42 | -23.08 | |
| | 09/10/09 | 142.34 | 167.01 | -24.67 | |
| | 10/13/09 | 142.34 | 162.76 | -20.42 | |
| | 10/14/09 | 142.34 | 162.78 | -20.44 | |
| | 10/23/09 | 142.34 | 161.07 | -18.73 | |
| | 10/30/09 | 142.34 | 160.59 | -18.25 | |
| | 11/04/09 | 142.34 | 160.05 | -17.71 | |
| | 12/07/09 | 142.34 | 156.92 | -14.58 | |
| | 01/19/10 | 142.34 | 156.32 | -13.98 | |
| | 03/01/10 | 142.34 | 149.84 | -7.50 | |
| | 03/04/10 | 142.34 | 149.36 | -7.02 | |
| | 06/07/10 | 142.34 | 146.45 | -4.11 | |
| | 07/30/10 | 142.34 | 149.78 | -7.44 | |
| | 09/07/10 | 142.34 | 154.30 | -11.96 | |
| MW-30A | 12/04/08 | 129.44 | 164.15 | -34.71 | |
| | 12/05/08 | 129.44 | 164.29 | -34.85 | |
| | 12/15/08 | 129.44 | 162.77 | -33.33 | |
| | 12/19/08 | 129.44 | 163.02 | -33.58 | |
| | 01/07/09 | 129.44 | 156.65 | -27.21 | |
| | 03/16/09 | 129.44 | 145.68 | -16.24 | |
| | 03/18/09 | 129.44 | 144.93 | -15.49 | |
| | 04/29/09 | 129.44 | 141.29 | -11.85 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-30A | 06/22/09 | 129.44 | 145.32 | -15.88 | |
| (Cont'd) | 06/24/09 | 129.44 | 148.04 | -18.60 | |
| | 08/31/09 | 129.44 | 151.45 | -22.01 | |
| | 09/10/09 | 129.44 | 154.83 | -25.39 | |
| | 10/13/09 | 129.44 | 149.24 | -19.80 | |
| | 10/14/09 | 129.44 | 149.22 | -19.78 | |
| | 10/23/09 | 129.44 | 147.49 | -18.05 | |
| | 10/30/09 | 129.44 | 146.87 | -17.43 | |
| | 11/04/09 | 129.44 | 146.56 | -17.12 | |
| | 12/07/09 | 129.44 | 143.60 | -14.16 | |
| | 01/19/10 | 129.44 | 142.52 | -13.08 | |
| | 03/01/10 | 129.44 | 135.95 | -6.51 | |
| | 03/03/10 | 129.44 | 135.69 | -6.25 | |
| | 06/07/10 | 129.44 | 133.44 | -4.00 | |
| | 07/30/10 | 129.44 | 137.11 | -7.67 | |
| | 09/07/10 | 129.44 | 140.90 | -11.46 | |
| MW-30B | 12/04/08 | 129.39 | 160.82 | -31.43 | |
| | 12/05/08 | 129.39 | 161.49 | -32.10 | |
| | 12/15/08 | 129.39 | 160.27 | -30.88 | |
| | 01/07/09 | 129.39 | 154.82 | -25.43 | |
| | 03/16/09 | 129.39 | 144.60 | -15.21 | |
| | 03/18/09 | 129.39 | 143.96 | -14.57 | |
| | 04/29/09 | 129.39 | 141.03 | -11.64 | |
| | 06/22/09 | 129.39 | 144.02 | -14.63 | |
| | 06/24/09 | 129.39 | 147.85 | -18.46 | |
| | 08/31/09 | 129.39 | 149.39 | -20.00 | |
| | 09/10/09 | 129.39 | 154.06 | -24.67 | |
| | 10/13/09 | 129.39 | 147.92 | -18.53 | |
| | 10/14/09 | 129.39 | 147.93 | -18.54 | |
| | 10/23/09 | 129.39 | 146.17 | -16.78 | |
| | 10/30/09 | 129.39 | 145.42 | -16.03 | |
| | 11/04/09 | 129.39 | 145.25 | -15.86 | |
| | 12/07/09 | 129.39 | 142.39 | -13.00 | |
| | 01/19/10 | 129.39 | 140.64 | -11.25 | |
| | 03/01/10 | 129.39 | 134.60 | -5.21 | |
| | 06/07/10 | 129.39 | 130.92 | -1.53 | |
| | 09/07/10 | 129.39 | 136.39 | -7.00 | |
| MW-31 | 10/13/09 | 123.7 | 140.92 | -17.2 | |
| | 10/14/09 | 123.7 | 140.85 | -17.1 | |
| | 10/23/09 | 119.60 | 136.95 | -17.35 | |
| | 10/30/09 | 119.60 | 136.26 | -16.66 | |
| | 11/02/09 | 119.60 | 136.18 | -16.58 | |
| | 12/07/09 | 119.60 | 133.45 | -13.85 | |
| | 01/19/10 | 119.60 | 131.88 | -12.28 | |
| | 02/10/10 | 119.60 | 127.61 | -8.01 | |
| | 02/12/10 | 119.60 | 127.51 | -7.91 | |
| | 03/01/10 | 119.60 | 124.99 | -5.39 | |
| | 06/07/10 | 119.60 | 122.62 | -3.02 | |
| | 07/30/10 | 119.60 | 126.33 | -6.73 | |
| | 09/07/10 | 119.60 | 129.42 | -9.82 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| MW-32A | 01/04/10 | 92.88 | 110.20 | -17.32 | |
| | 01/19/10 | 92.88 | 107.34 | -14.46 | |
| | 02/10/10 | 92.88 | 101.90 | -9.02 | |
| | 02/12/10 | 92.88 | 102.03 | -9.15 | |
| | 03/01/10 | 92.88 | 99.24 | -6.36 | |
| | 06/07/10 | 92.88 | 97.01 | -4.13 | |
| | 09/07/10 | 92.88 | 104.02 | -11.14 | |
| MW-32B | 01/04/10 | 92.89 | 109.29 | -16.40 | |
| | 01/19/10 | 92.89 | 106.40 | -13.51 | |
| | 02/10/10 | 92.89 | 101.75 | -8.86 | |
| | 02/12/10 | 92.89 | 101.68 | -8.79 | |
| | 03/01/10 | 92.89 | 99.18 | -6.29 | |
| | 03/04/10 | 92.89 | 99.22 | -6.33 | |
| | 06/07/10 | 92.89 | 96.71 | -3.82 | |
| | 07/30/10 | 92.89 | 100.91 | -8.02 | |
| | 09/07/10 | 92.89 | 103.45 | -10.56 | |
| MW-32C | 01/05/10 | 92.88 | 102.93 | -10.05 | |
| | 01/19/10 | 92.88 | 102.03 | -9.15 | |
| | 02/10/10 | 92.88 | 100.10 | -7.22 | |
| | 02/12/10 | 92.88 | 100.03 | -7.15 | |
| | 03/01/10 | 92.88 | 98.65 | -5.77 | |
| | 06/07/10 | 92.88 | 93.19 | -0.31 | |
| | 09/07/10 | 92.88 | 96.89 | -4.01 | |
| MW-33 | 07/16/10 | 83.19 | 89.80 | -6.61 | |
| | 07/30/10 | 83.19 | 92.32 | -9.13 | |
| | 09/07/10 | 83.19 | 94.86 | -11.67 | |
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| EW-01 | 06/20/05 | 142.65 | 132.89 | 9.76 | |
| | 09/19/05 | 142.65 | 140.63 | 2.02 | |
| | 09/21/05 | 142.65 | 140.88 | 1.77 | |
| | 12/17/05 | 142.65 | 119.06 | 23.59 | |
| | 03/20/06 | 142.65 | 112.76 | 29.89 | |
| | 05/18/06 | 142.65 | 105.98 | 36.67 | |
| | 06/19/06 | 142.65 | 108.61 | 34.04 | |
| | 09/25/06 | 142.65 | 118.60 | 24.05 | |
| | 12/11/06 | 142.5 | 116.08 | 26.4 | |
| | 03/12/07 | 142.5 | 122.93 | 19.6 | |
| | 06/18/07 | 142.5 | 133.31 | 9.2 | |
| | 09/24/07 | 142.5 | 157.35 | -14.9 | |
| | 12/10/07 | 142.5 | 164.54 | -22.0 | |
| | 12/20/07 | 142.5 | 164.75 | -22.3 | |
| | 01/21/08 | 140.3 | 162.41 | -22.1 | |
| | 03/17/08 | 140.3 | 156.96 | -16.7 | |
| | 05/27/08 | 141.13 | 160.10 | -18.97 | |
| | 06/10/08 | 141.13 | 161.48 | -20.35 | |
| | 06/23/08 | 141.13 | 162.89 | -21.76 | |
| | 07/09/08 | 141.07 | 165.87 | -24.80 | Pilot GETS |
| | 07/11/08 | 141.07 | 165.59 | -24.52 | |
| | 07/14/08 | 141.07 | 165.71 | -24.64 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (continued) | | | | | |
| EW-01 | 07/15/08 | 141.07 | 167.64 | -26.57 | Pilot GETS |
| (Cont'd) | 07/30/08 | 141.07 | 168.45 | -27.38 | Pilot GETS |
| | 08/14/08 | 141.07 | > 172.65 | < -31.58 | Pilot GETS |
| | 08/25/08 | 141.07 | 171.89 | -30.82 | Pilot GETS |
| | 09/22/08 | 141.07 | > 172.65 | < -31.58 | Pilot GETS |
| | 10/22/08 | 141.07 | > 172.65 | < -31.58 | Pilot GETS |
| | 12/15/08 | 141.07 | 171.93 | -30.86 | |
| | 12/19/08 | 141.07 | 171.74 | -30.67 | |
| | 01/07/09 | 141.07 | 165.86 | -24.79 | |
| | 02/25/09 | 141.07 | 162.17 | -21.10 | Pilot GETS |
| | 03/16/09 | 141.07 | 157.84 | -16.77 | Pilot GETS |
| | 03/18/09 | 141.07 | 158.69 | -17.62 | Pilot GETS |
| | 04/29/09 | 141.07 | 152.31 | -11.24 | |
| | 04/29/09 | 141.07 | 152.85 | -11.78 | Pilot GETS |
| | 05/27/09 | 141.07 | 155.10 | -14.03 | Pilot GETS |
| | 06/22/09 | 141.07 | 156.88 | -15.81 | Pilot GETS |
| | 06/26/09 | 141.07 | 157.98 | -16.91 | Pilot GETS |
| | 06/29/09 | 141.07 | 158.68 | -17.61 | Pilot GETS |
| | 07/22/09 | 141.07 | 164.06 | -22.99 | Pilot GETS |
| | 08/14/09 | 141.07 | 168.21 | -27.14 | Pilot GETS |
| | 08/31/09 | 141.07 | 163.05 | -21.98 | Pilot GETS |
| | 09/10/09 | 141.07 | 164.32 | -23.25 | Pilot GETS |
| | 09/11/09 | 141.07 | 164.23 | -23.16 | Pilot GETS |
| | 10/08/09 | 141.07 | > 172.65 | < -31.58 | Pilot GETS |
| | 10/23/09 | 141.07 | 158.25 | -17.18 | Pilot GETS |
| | 10/30/09 | 141.07 | 157.75 | -16.68 | |
| | 11/04/09 | 141.07 | 157.23 | -16.16 | |
| | 12/07/09 | 141.07 | 154.56 | -13.49 | |
| | 12/09/09 | 141.07 | 155.28 | -14.21 | |
| | 01/19/10 | 141.07 | 153.29 | -12.22 | |
| | 03/01/10 | 141.07 | 147.07 | -6.00 | |
| | 06/07/10 | 141.07 | 142.43 | -1.36 | |
| | 09/07/10 | 141.07 | 150.09 | -9.02 | |
| EW-02 | 10/23/09 | 137.6 | 137.92 | -0.3 | |
| | 10/30/09 | 137.6 | 156.81 | -19.2 | |
| | 10/31/09 | 137.6 | 155.97 | -18.3 | |
| | 11/04/09 | 136.2 | 153.21 | -17.0 | |
| | 12/07/09 | 132.97 | UTM | -- | |
| | 02/10/10 | 132.97 | 142.49 | -9.52 | |
| | 03/01/10 | 132.97 | 139.89 | -6.92 | |
| | 03/22/10 | 132.97 | 136.73 | -3.76 | Pre-Startup |
| | 03/22/10 | 132.97 | 143.6 | -10.6 | Pilot GETS |
| | 03/23/10 | 132.97 | 143.25 | -10.28 | Pilot GETS |
| | 03/24/10 | 132.97 | 144.42 | -11.45 | Pilot GETS |
| | 03/25/10 | 132.97 | 144.60 | -11.63 | Pilot GETS |
| | 03/26/10 | 132.97 | 144.99 | -12.02 | Pilot GETS |
| | 06/07/10 | 132.97 | 143.34 | -10.37 | Pilot GETS |
| | 06/10/10 | 132.97 | 143.42 | -10.45 | Pilot GETS |
| | 07/08/10 | 132.97 | 144.76 | -11.79 | Pilot GETS |
| | 07/30/10 | 132.97 | 145.5 | -12.53 | Pilot GETS |
| | 08/02/10 | 132.97 | 146.95 | -13.98 | Pilot GETS |
| | 09/02/10 | 132.97 | 150.82 | -17.85 | Pilot GETS |
| | 09/07/10 | 132.97 | 150.46 | -17.49 | Pilot GETS |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Perched Zone Water Levels | | | | | |
| P-07 | 06/12/97 | 165.34 | 135.20 | 30.14 | |
| | 05/13/98 | 165.34 | 135.11 | 30.23 | |
| | 05/27/98 | 165.34 | 135.12 | 30.22 | |
| | 06/11/98 | 165.34 | 135.15 | 30.19 | |
| | 07/14/98 | 165.34 | 135.26 | 30.08 | |
| | 11/11/98 | 165.34 | 135.39 | 29.95 | |
| | 11/18/98 | 165.34 | 135.42 | 29.92 | SVE, DPE-H2O |
| | 11/18/98 | 165.34 | 135.48 | 29.86 | SVE, DPE-H2O |
| | 11/19/98 | 165.34 | 135.36 | 29.98 | SVE, DPE-H2O |
| | 11/20/98 | 165.34 | 135.44 | 29.90 | SVE, DPE, DPE-H2O |
| | 11/23/98 | 165.34 | 135.36 | 29.98 | SVE, DPE-H2O |
| | 11/23/98 | 165.34 | 135.52 | 29.82 | SVE, DPE-H2O |
| | 11/24/98 | 165.34 | 135.53 | 29.81 | SVE, DPE-H2O |
| | 12/07/98 | 165.34 | 135.40 | 29.94 | SVE, DPE-H2O |
| | 12/07/98 | 165.34 | 135.52 | 29.82 | SVE, DPE-H2O |
| | 12/10/98 | 165.34 | 135.50 | 29.84 | SVE, DPE, DPE-H2O |
| | 12/11/98 | 165.34 | 135.37 | 29.97 | SVE, DPE, DPE-H2O |
| | 12/14/98 | 165.34 | 135.26 | 30.08 | SVE, DPE-H2O |
| | 12/14/98 | 165.34 | 135.27 | 30.07 | SVE, DPE-H2O |
| | 12/16/98 | 165.34 | 135.48 | 29.86 | SVE, DPE, DPE-H2O |
| | 01/06/99 | 165.34 | 135.36 | 29.98 | SVE, DPE, DPE-H2O |
| | 01/20/99 | 165.34 | 135.20 | 30.14 | |
| | 01/25/99 | 165.34 | 135.50 | 29.84 | DPE, DPE-H2O |
| | 01/27/99 | 165.34 | 135.51 | 29.83 | SVE, DPE, DPE-H2O |
| | 02/01/99 | 165.34 | 135.25 | 30.09 | SVE, DPE, DPE-H2O |
| | 02/10/99 | 165.34 | 135.56 | 29.78 | SVE, DPE, DPE-H2O |
| | 02/23/99 | 165.34 | 135.17 | 30.17 | |
| | 03/01/99 | 165.34 | 135.55 | 29.79 | DPE |
| | 03/12/99 | 165.34 | 135.51 | 29.83 | SVE, DPE, DPE-H2O |
| | 03/15/99 | 165.34 | 135.59 | 29.75 | SVE, DPE, DPE-H2O |
| | 03/17/99 | 165.34 | 135.54 | 29.80 | SVE, DPE, DPE-H2O |
| | 03/29/99 | 165.34 | 135.34 | 30.00 | SVE, DPE-H2O |
| | 04/07/99 | 165.34 | DRY | -- | SVE, DPE-H2O |
| | 04/12/99 | 165.34 | 135.58 | 29.76 | SVE, DPE-H2O |
| | 04/23/99 | 165.34 | 135.22 | 30.12 | SVE, DPE-H2O |
| | 04/29/99 | 165.34 | DRY | -- | SVE, DPE-H2O |
| | 05/17/99 | 165.34 | 135.66 | 29.68 | SVE, DPE-H2O |
| | 06/16/99 | 165.34 | 135.66 | 29.68 | SVE, DPE-H2O |
| | 06/25/99 | 165.34 | 135.28 | 30.06 | SVE, DPE-H2O |
| | 07/15/99 | 165.34 | 135.57 | 29.77 | DPE, DPE-H2O |
| | 08/30/99 | 165.34 | 135.58 | 29.76 | DPE-H2O |
| | 09/27/99 | 165.34 | 135.58 | 29.76 | 5.6 inches water in vaccum |
| | 11/02/99 | 165.34 | 135.56 | 29.78 | 5 inches water in vaccum |
| | 11/23/99 | 165.34 | 135.27 | 30.07 | |
| | 11/23/99 | 165.34 | 135.13 | 30.21 | |
| | 11/23/99 | 165.34 | 135.14 | 30.20 | |
| | 12/06/99 | 165.34 | 135.70 | 29.64 | |
| | 02/07/00 | 165.34 | 135.49 | 29.85 | |
| | 07/05/00 | 165.34 | 135.03 | 30.31 | |
| | 01/16/01 | 145.52 | 115.25 | 30.27 | |
| | 03/19/01 | 145.52 | 115.34 | 30.18 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Perched Zone Water Levels (continued) | | | | | |
| P-07 | 03/26/01 | 145.52 | 115.24 | 30.28 | |
| (Cont'd) | 04/03/01 | 145.52 | 115.30 | 30.22 | |
| | 04/10/01 | 145.52 | 115.20 | 30.32 | |
| | 04/17/01 | 145.52 | 115.20 | 30.32 | |
| | 04/26/01 | 145.52 | 115.30 | 30.22 | |
| | 05/10/01 | 145.52 | 115.35 | 30.17 | |
| | 06/26/01 | 145.52 | 115.16 | 30.36 | |
| | 09/10/01 | 142.31 | 111.91 | 30.40 | |
| | 10/24/01 | 142.31 | 112.04 | 30.27 | |
| | 01/15/02 | 142.31 | 111.98 | 30.33 | |
| | 03/19/02 | 142.31 | 111.92 | 30.39 | |
| | 04/15/02 | 142.31 | 112.04 | 30.27 | |
| | 10/31/02 | 142.31 | 112.13 | 30.18 | |
| | 11/18/02 | 142.31 | 112.11 | 30.20 | |
| | 05/08/03 | 142.31 | 112.48 | 29.83 | |
| | 06/09/03 | 142.31 | 112.94 | 29.37 | |
| | 09/15/03 | 142.31 | 113.65 | 28.66 | |
| | 10/14/03 | 142.31 | 113.82 | 28.49 | |
| | 12/15/03 | 142.31 | 114.04 | 28.27 | |
| | 03/29/04 | 142.31 | 112.42 | 29.89 | |
| | 06/14/04 | 142.31 | 113.91 | 28.40 | |
| | 09/20/04 | 142.31 | DRY | | Dry to 117.4 feet bls. Water level |
| | | | | -- | elevation <24.9 feet msl. |
| | 10/19/04 | 142.31 | 116.30 | 26.01 | |
| | 12/06/04 | 142.31 | 115.65 | 26.66 | |
| | 03/15/05 | 142.31 | DRY | -- | Dry @ 116.8 ft. |
| | 09/19/05 | 142.31 | DRY | -- | Dry @ 115.0 ft bls. |
| | 12/17/05 | 142.31 | 112.26 | 30.05 | |
| | 03/20/06 | 142.31 | 110.94 | 31.37 | |
| | 06/19/06 | 142.31 | 107.57 | 34.74 | |
| | 09/25/06 | 142.31 | 111.19 | 31.12 | |
| | 12/11/06 | 142.31 | 111.22 | 31.09 | |
| | 03/12/07 | 142.31 | 111.71 | 30.60 | |
| | 06/18/07 | 142.31 | 114.92 | 27.39 | |
| | 09/24/07 | 142.31 | DRY | -- | |
| | 12/10/07 | 142.31 | DRY | -- | Dry @ 115.16 ft bls. |
| | 03/17/08 | 142.31 | 114.58 | 27.73 | |
| | 06/23/08 | 142.31 | 114.13 | 28.18 | |
| | 09/22/08 | 142.31 | 113.85 | 28.46 | |
| | 12/15/08 | 142.31 | 113.47 | 28.84 | |
| | 03/16/09 | 142.31 | 113.13 | 29.18 | |
| | 06/22/09 | 142.31 | 112.81 | 29.50 | |
| | 08/31/09 | 142.31 | 112.67 | 29.64 | |
| | 12/07/09 | 142.31 | 112.52 | 29.79 | |
| | 03/01/10 | 142.31 | 112.34 | 29.97 | |
| | 06/07/10 | 142.31 | 112.24 | 30.07 | |
| | 09/07/10 | 142.31 | 112.51 | 29.80 | |

**TABLE 3**

**GROUNDWATER LEVELS**
**EXISTING SITE MONITOR WELLS, PIEZOMETERS, AND EXTRACTION WELLS**

| Well Identifier | Date Measured | Reference Point Elevation (a) (feet msl) | Depth to Water (feet bls) | Water Level Elevation (feet msl) | Remediation System On |
|---|---|---|---|---|---|
| Perched Zone Water Levels (continued) | | | | | |
| P-09 | 09/15/03 | 183.86 | 121.85 | 62.01 | |
| | 10/08/03 | 183.86 | 121.68 | 62.18 | |
| | 10/14/03 | 183.86 | 121.53 | 62.33 | |
| | 12/15/03 | 183.86 | 122.09 | 61.77 | |
| | 03/29/04 | 183.86 | 122.03 | 61.83 | |
| | 06/14/04 | 183.86 | 122.29 | 61.57 | |
| | 09/20/04 | 183.86 | 122.49 | 61.37 | |
| | 11/10/04 | 183.86 | 122.00 | 61.31 | |
| | 12/06/04 | 183.86 | 122.93 | 61.10 | |
| | 03/14/05 | 183.86 | 121.45 | 62.41 | |
| | 06/20/05 | 183.86 | 121.50 | 62.36 | |
| | 09/19/05 | 183.86 | 121.34 | 62.52 | |
| | 12/17/05 | 183.86 | 121.32 | 62.54 | |
| | 03/20/06 | 183.86 | 121.20 | 62.66 | |
| | 06/19/06 | 183.86 | 120.96 | 62.90 | |
| | 09/25/06 | 183.86 | 120.85 | 63.01 | |
| | 12/12/06 | 183.86 | 120.94 | 62.92 | |
| | 03/12/07 | 183.86 | 120.93 | 62.93 | |
| | 06/18/07 | 183.86 | 120.80 | 63.06 | |
| | 09/24/07 | 183.86 | 120.91 | 62.95 | |
| | 12/10/07 | 183.86 | 120.84 | 63.02 | |
| | 03/17/08 | 183.86 | 120.76 | 63.10 | |
| | 06/23/08 | 183.86 | 120.73 | 63.13 | |
| | 09/22/08 | 183.86 | 120.83 | 63.03 | |
| | 12/15/08 | 183.86 | 120.64 | 63.22 | |
| | 03/16/09 | 183.86 | 120.70 | 63.16 | |
| | 06/22/09 | 183.86 | 120.66 | 63.20 | |
| | 08/31/09 | 183.86 | 120.75 | 63.11 | |
| | 12/07/09 | 183.86 | 120.80 | 63.06 | |
| | 03/01/10 | 183.86 | 120.74 | 63.12 | |
| | 06/07/10 | 183.86 | 120.69 | 63.17 | |
| | 09/07/10 | 183.86 | 120.78 | 63.08 | |

FOOTNOTES

(a) Reference point elevations are relative to City of Fullerton datum.

(--) = Not Calculated
bls = Below land surface
msl = Mean sea level
NA = Reference Point Not Available
SVE = Soil Vapor Extraction System On
DPE = Vapor Phase Dual Vapor Extraction System On
DPE-H2O = Water Phase Dual Vapor Extraction System On
Pilot GETS = Pilot Groundwater Extraction and Treatment System On
UTM = Unable to Measure

# TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells | | | | | | | | | | | | | | | |
| MW-06 | 01/30/97 | ORG | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA |
| MW-600 | 01/30/97 | FD | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA |
| MW-06 | 02/19/97 | ORG | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA |
| MW-06 | 02/09/00 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | NA |
| MW-06 | 05/08/01 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | NA |
| MW-06 | 04/17/02 | ORG | < 0.50 | < 0.50 | **1.5** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 |
| MW-06 | 04/17/02 | SPT | < 0.50 | < 0.50 | **2.6** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| MW-06 | 11/18/02 | ORG | < 0.50 | < 0.50 | **2.3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-06 | 06/10/03 | ORG | < 0.50 | < 0.50 | **1.3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 |
| MW-06 | 12/17/03 | ORG | < 0.50 | < 0.50 | **1.3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-06 | 06/16/04 | ORG | < 0.50 | < 0.50 | **2.2 U** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-06 | 12/09/04 | ORG | < 0.50 | < 0.50 | **2.8** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.1 |
| MW-06 | 06/23/05 | ORG | < 0.50 | < 0.50 | **1.6** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-06 | 12/20/05 | ORG | < 0.50 | < 0.50 | **1.4** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-06 | 06/21/06 | ORG | < 0.50 | < 0.50 | **0.62** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-06 | 12/18/06 | ORG | < 0.50 | < 0.50 | **2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-06 | 06/21/07 | ORG | < 0.50 | < 0.50 | **1.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-06 | 12/12/07 | ORG | < 0.50 | < 0.50 | **0.78** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-06 | 06/26/08 | ORG | < 0.50 | < 0.50 | **0.85 U** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-06 | 06/25/09 | ORG | < 0.50 | < 0.50 | **0.52** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-06 | 12/08/09 | ORG | < 0.50 | < 0.50 | **0.53** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-06 | 06/08/10 | ORG | < 0.50 | < 0.50 | **0.56** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| **MW-06 Historical Range** | | | < 0.50 - < 5.0 | < 0.50 - < 5.0 | 0.52 - 2.8 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.5 - < 2.0 |
| MW-08 | 01/28/97 | ORG | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **3.3** | < 1.0 | NA |
| MW-08 | 02/19/97 | ORG | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **3.9** | < 1.0 | NA |
| MW-08 | 02/17/00 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | NA |
| MW-08 | 05/09/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **12** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.0** | NA |
| MW-08 | 04/17/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.51** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8.5** | < 0.50 | < 0.5 |
| MW-08 | 04/17/02 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8** | < 0.50 | < 1.0 |
| MW-08 | 11/21/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **7.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **7.6** | < 0.50 | NA |
| MW-08 | 06/11/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.98** | **0.67** | < 0.50 | < 0.50 | < 0.50 | **14** | < 0.50 | NA |
| MW-08 | 12/18/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9.6** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.8** | < 0.50 | NA |
| MW-08 | 03/30/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **26** | **0.52** | < 0.50 | < 0.50 | < 0.50 | **12** | < 0.50 | NA |
| MW-08 | 06/17/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **64** | **5.6** | < 0.50 | < 0.50 | < 0.50 | **89** | < 0.50 | NA |
| MW-800 | 06/17/04 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **60** | **5.1** | < 0.50 | < 0.50 | < 0.50 | **87** | < 0.50 | NA |
| MW-08 | 06/17/04 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **48** | **4** | < 1 | < 1 | < 1 | **65** | < 1 | NA |
| MW-08 | 07/28/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **23 E** | **2.5** | < 0.50 | < 0.50 | < 0.50 | **40 E** | < 0.50 | < 2 |
| MW-800 | 07/28/04 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **23 E** | **2.1** | < 0.50 | < 0.50 | < 0.50 | **39 E** | < 0.50 | < 2 |
| MW-08 | 07/28/04 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **13 E** | **1** | < 1 | < 1 | < 1 | **23 E** | < 1 | < 1 |
| MW-08 | 09/21/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.4** | **1** | < 0.50 | < 0.50 | < 0.50 | **19** | < 0.50 | NA |
| MW-08 | 12/15/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8.7** | **0.61** | < 0.50 | < 0.50 | < 0.50 | **13** | < 0.50 | < 2.2 |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-08 | 03/16/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8.7** | **0.65** | < 0.50 | < 0.50 | < 0.50 | **15** | < 0.50 | < 2.0 |
| MW-08 | 06/24/05 | ORG | **0.85** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **180** | **7.7** | < 0.50 | < 0.50 | < 0.50 | **130** | < 0.50 | < 2.0 |
| MW-800 | 06/24/05 | FD | **0.87** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **160** | **7.6** | < 0.50 | < 0.50 | < 0.50 | **130** | < 0.50 | < 2.0 |
| MW-08 | 09/22/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **45 E** | **3.4** | < 0.50 | < 0.50 | < 0.50 | **61 E** | < 0.50 | < 2.0 |
| MW-800 | 09/22/05 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **22 E** | **2.1** | < 0.50 | < 0.50 | < 0.50 | **39** | < 0.50 | **20 U** |
| MW-08 | 09/22/05 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **15 E** | **2** | < 0.50 | < 0.50 | < 0.50 | **33 E** | **0.9** | < 1.0 |
| MW-08 | 12/20/05 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.0** | < 0.50 | **370** | **3.2** | **0.66** | < 0.50 | < 0.50 | **82** | < 0.50 | **12** |
| MW-08 | 12/20/05 | SPT | < 0.50 | **0.5** | < 0.50 | **2** | < 0.50 | **350** | **3** | < 0.50 | < 0.50 | < 0.50 | **76** | **0.5** | **13** |
| MW-08 | 03/23/06 | ORG | < 0.50 | < 0.50 | **0.76** | **3.6** | **0.92** | **270** | **2.5** | **0.55** | < 0.50 | < 0.50 | **55** | < 0.50 | **65** |
| MW-800 | 03/23/06 | FD | < 0.50 | < 0.50 | **0.82** | **4.7** | **1.0** | **380** | **2.9** | **0.74** | < 0.50 | < 0.50 | **65** | < 0.50 | **81** |
| MW-08 | 06/22/06 | ORG | < 0.50 | < 0.50 | **0.69** | **5.1** | **0.99** | **500** | **2.6** | **1.3** | < 0.50 | < 0.50 | **69** | < 0.50 | **130** |
| MW-800 | 06/22/06 | FD | < 0.50 | < 0.50 | **0.69** | **5** | **1.0** | **410** | **2.5** | **1.2** | < 0.50 | < 0.50 | **69** | < 0.50 | **110** |
| MW-08 | 06/22/06 | SPT | < 3.0 | < 3.0 | < 3.0 | **6** | < 3.0 | **380** | **3** | < 3.0 | < 3.0 | < 3.0 | **50** | < 3.0 | **140** |
| MW-08 | 09/28/06 | ORG | **0.95** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **27** | **6.5** | < 0.50 | < 0.50 | < 0.50 | **120** | < 0.50 | < 2.0 |
| MW-800 | 09/28/06 | FD | **1.1** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **24** | **7.7** | < 0.50 | < 0.50 | < 0.50 | **110** | < 0.50 | < 2.0 |
| MW-08 | 09/28/06 | SPT | **1** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **28** | **6.2** | < 0.50 | < 0.50 | < 0.50 | **130** | < 0.50 | < 1 |
| MW-08 | 12/19/06 | ORG | **0.93** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **13** | **7.1** | < 0.50 | < 0.50 | < 0.50 | **130** | < 0.50 | < 2.0 |
| MW-800 | 12/19/06 | FD | **0.95** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **14** | **7.1** | < 0.50 | < 0.50 | < 0.50 | **110** | < 0.50 | < 2.0 |
| MW-08 | 03/15/07 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.57** | < 0.50 | **120** | **4.5** | < 0.50 | < 0.50 | < 0.50 | **90** | < 0.50 | **26** |
| MW-08 | 06/22/07 | ORG | < 0.50 | < 0.50 | **0.5** | **0.51** | < 0.50 | **87** | **4.4** | < 0.50 | < 0.50 | < 0.50 | **92** | < 0.50 | **25** |
| MW-08 | 09/26/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **32 E** | **1.5** | < 0.50 | < 0.50 | < 0.50 | **25** | < 0.50 | **7.7** |
| MW-800 | 09/26/07 | FD | < 0.50 | < 0.50 | < 0.50 | **0.52** | < 0.50 | **47 E** | **1.5** | < 0.50 | < 0.50 | < 0.50 | **27** | < 0.50 | **8.2** |
| MW-08 | 09/26/07 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **42 E** | **1** | < 1 | < 1 | < 1 | **26** | < 1 | **11** |
| MW-08 | 12/13/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **39** | **1.3** | < 0.50 | < 0.50 | < 0.50 | **27** | < 0.50 | **6** |
| MW-08 | 03/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **28** | **0.97** | < 0.50 | < 0.50 | < 0.50 | **19** | < 0.50 | **5.4** |
| MW-800 | 03/18/08 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **30** | **1.1** | < 0.50 | < 0.50 | < 0.50 | **20** | < 0.50 | **5.3** |
| MW-08 | 03/18/08 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **27** | **0.9** | < 0.50 | < 0.50 | < 0.50 | **21** | < 0.50 | **7** |
| MW-08 | 06/27/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **29** | **1.3** | < 0.50 | < 0.50 | < 0.50 | **23** | < 0.50 | **5.9** |
| MW-08 | 09/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **19** | **1.0** | < 0.50 | < 0.50 | < 0.50 | **18** | < 0.50 | **3.7 BU** |
| MW-08 | 12/19/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **23** | **0.7** | < 0.50 | < 0.50 | < 0.50 | **13** | < 0.50 | **3.9** |
| MW-08 | 03/17/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **26** | **1.2** | < 0.50 | < 0.50 | < 0.50 | **21** | < 0.50 | **3.9** |
| MW-08 | 06/25/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **19** | **1.1** | < 0.50 | < 0.50 | < 0.50 | **23** | < 0.50 | **2.7** |
| MW-08 | 09/01/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **17** | **0.56** | < 0.50 | < 0.50 | < 0.50 | **14** | < 0.50 | **2.4** |
| MW-08 | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **22** | **0.68** | < 0.50 | < 0.50 | < 0.50 | **15** | < 0.50 | **7.2** |
| MW-08 | 03/03/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **33** | **0.87** | < 0.50 | < 0.50 | < 0.50 | **21** | < 0.50 | **8.4** |
| MW-08 | 06/10/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **35** | **7.1** | < 0.50 | < 0.50 | < 0.50 | **110** | < 0.50 | < 2.0 |
| MW-08 | 09/10/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **36** | **9.8** | < 0.50 | < 0.50 | < 0.50 | **200** | < 0.50 | **2.4** |
| **Historical High/Low** | | | | | | | | | **HIGH** | | | | **HIGH** | | |
| **MW-08 Historical Range** | | | < 0.50 - 1.1 | < 0.50 - 0.5 | < 0.50 - 0.82 | < 0.50 - 6 | < 0.50 - 1.0 | < 0.50 - 500 | **< 0.50 - 7.7** | < 0.50 - 1.3 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | **< 0.50 - 130** | < 0.50 - 1.0 | < 0.5 - 140 |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-09 | 03/26/97 | ORG | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **4.9** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA |
| MW-09 | 04/10/97 | ORG | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA |
| MW-09 | 02/17/00 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | NA |
| MW-09 | 11/21/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.6** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.3** | **7.6** |
| MW-900 | 11/21/02 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.5** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.2** | **7.7** |
| MW-09 | 11/21/02 | SPT | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **1.0** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **3** | **6.8** |
| MW-09 | 06/10/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.3** | **4** |
| MW-900 | 06/10/03 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.1** | **7.4** |
| MW-09 | 06/10/03 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **2** | < 1 | < 1 | < 1 | < 1 | < 1 | **2** | **3.8** |
| MW-09 | 09/24/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 12/18/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.8** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.81** | < 2.0 |
| MW-900 | 12/18/03 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.7** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.2** | < 2.0 |
| MW-09 | 03/30/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.8** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.8** | < 2.0 |
| MW-09 | 06/16/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.7** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 09/21/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.6** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.77** | < 2.0 |
| MW-09 | 12/08/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.6** | < 2.1 |
| MW-09 | 03/15/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.1** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.69** | < 2.2 |
| MW-09 | 03/15/05 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.8** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.5** | **3** |
| MW-09 | 06/23/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 09/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.82** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 12/20/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.85** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 03/22/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.77** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 06/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.80** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 09/28/06 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.79** | < 0.50 | **32** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.96** | < 0.50 | **52 E** |
| MW-09 | 12/19/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.5** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 E |
| MW-900 | 12/19/06 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.6** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **6.1 E** |
| MW-09 | 03/14/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.0** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 09/26/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.70** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 12/12/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.75** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 03/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.65** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.0** |
| MW-09 | 06/27/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.54** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 09/25/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 09/01/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 12/08/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.5 |
| MW-09 | 03/03/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 06/11/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-09 | 09/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| **MW-09 Historical Range** | | | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - 0.79 | < 0.50 - < 5.0 | < 0.50 - 4.9 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - 0.96 | < 0.50 - 5.3 | < 2.0 - 52 E |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-13 | 04/22/97 | ORG | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **1.3** | NA |
| MW-13 | 05/21/97 | ORG | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | NA |
| MW-13 | 02/15/00 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | NA |
| MW-13 | 07/06/00 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 3.0 |
| MW-13 | 05/07/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-13 | 10/24/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-13 | 04/17/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 |
| MW-13 | 04/17/02 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| MW-13 | 11/19/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.78** | < 0.5 |
| MW-13 | 06/10/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 0.5 |
| MW-13 | 12/16/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.9** | < 2.0 |
| MW-13 | 06/15/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.2** | < 2.0 |
| MW-13 | 12/08/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.3** | < 2.1 |
| MW-13 | 06/23/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.60** | **3.8** | < 2.0 |
| MW-13 | 12/19/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.50** | **3.7** | < 2.0 |
| MW-13 | 06/22/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.58** | **3.5** | **2.4** |
| MW-13 | 09/29/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.5** | < 2.0 |
| MW-13 | 09/29/06 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.5** | **3** | < 1 |
| MW-13 | 12/14/06 | ORG | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **2.3** | < 2.0 |
| MW-13 | 06/21/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 2.0 |
| MW-13 | 12/12/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-13 | 06/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.7** | < 2.0 |
| MW-13 | 12/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 2.5 |
| MW-13 | 06/24/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.2** | < 2.0 |
| MW-13 | 12/08/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 2.0 |
| MW-13 | 06/11/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.0** | < 2.0 |
| **MW-13 Historical Range** | | | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - 0.60 | < 0.50 - 4.5 | < 0.50 - 2.4 |
| MW-15 | 05/27/98 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **5** | < 5.0 | NA |
| MW-15 | 06/11/98 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **5.5** | **20** | NA |
| MW-15 | 02/16/00 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **5.9** | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **9.6** | NA |
| MW-1500 | 02/16/00 | FD | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **6.7** | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **9.8** | NA |
| MW-15 | 07/05/00 | ORG | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **8.4** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **1.9** | **4.7** | NA |
| MW-15 | 07/05/00 | SPT | < 0.50 | < 0.50 | < 1.0 | < 1.0 | < 0.50 | **10** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **2.4** | < 0.50 | < 3.0 |
| MW-15 | 05/08/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **7.8** | < 0.50 | NA |
| MW-15 | 10/25/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9.0** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-15 | 04/18/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **10.0** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 |
| MW-15 | 04/18/02 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **10.4** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| MW-15 | 11/21/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **14** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.53** | < 0.50 | NA |
| MW-15 | 06/11/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-15 | 09/23/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.9** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.52** | NA |
| MW-15 | 12/18/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **6.4** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-15 | 03/30/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.1** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.60** | NA |
| MW-15 | 06/17/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.2** | **5.1** | NA |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-15 | 09/21/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.6** | **10** | NA |
| MW-15 | 12/15/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **6.7** | **11** | NA |
| MW-15 | 03/15/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5** | **9.4** | NA |
| MW-15 | 03/15/05 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4** | **7.5** | NA |
| MW-15 | 06/23/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.4** | **11** | NA |
| MW-15 | 09/22/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.1** | **13** | NA |
| MW-15 | 12/20/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.1** | **9.2** | NA |
| MW-15 | 03/22/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.6** | **11** | NA |
| MW-15 | 06/22/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.7** | **10** | NA |
| MW-15 | 09/29/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.3** | < 0.50 | NA |
| MW-1500 | 09/29/06 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.2** | **12** | NA |
| MW-15 | 12/19/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.9** | **8.0** | < 2.0 |
| MW-15 | 03/15/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.4** | **5.8** | < 2.0 |
| MW-15 | 06/22/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.1** | **12** | < 2.0 |
| MW-15 | 09/26/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.5** | **5.9** | < 2.0 |
| MW-1500 | 09/26/07 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.6** | **6.6** | < 2.0 |
| MW-15 | 09/26/07 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **3** | **5** | < 1 |
| MW-15 | 12/13/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.5** | **7.2** | < 2.0 |
| MW-15 | 03/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.5** | **5.5** | < 2.0 |
| MW-15 | 06/27/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.4** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.6** | **5.8** | < 2.0 |
| MW-15 | 09/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **7.7** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.8** | **3.3** | < 2.0 |
| MW-15 | 12/16/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9.8** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.3** | **1.9** | NA |
| MW-15 | 03/17/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **12** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.4** | **2.6** | NA |
| MW-15 | 06/24/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8.8** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.0** | **1.9** | NA |
| MW-15 | 09/01/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8.4** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.2** | **2.1** | NA |
| MW-15 | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8.5** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.94** | **2.0** | NA |
| MW-15 | 03/03/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **7.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.73** | **1.6** | NA |
| MW-15 | 06/11/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.1** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 2.0 |
| MW-15 | 09/10/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.4** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.0** | NA |
| **MW-15 Historical Range** | | | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - 12 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - < 5.0 | < 0.50 - 7.8 | < 0.50 - 20 | < 0.50 - < 3.0 |
| MW-16[a] | 11/05/99 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **317** | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | NA |
| MW-16[a] | 11/05/99 | SPT | < 1.0 | < 1.0 | < 1.0 | **3.6** | < 1.0 | **510** | < 1.0 | < 1.0 | **5** | < 1.0 | < 1.0 | < 1.0 | NA |
| MW-16 | 11/23/99 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **73** | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | NA |
| MW-16[b] | 11/23/99 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **99** | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | NA |
| MW-16 | 12/07/99 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **49** | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | NA |
| MW-16 | 12/07/99 | SPT | < 2 | < 5.0 | < 5.0 | < 2 | < 5.0 | **44** | < 2 | < 2 | < 2 | < 2 | < 2 | < 5.0 | NA |
| MW-16 | 02/18/00 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **238** | < 5.0 | < 5.0 | **11** | < 5.0 | < 5.0 | < 5.0 | NA |
| MW-1600 | 02/18/00 | FD | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **264** | < 5.0 | < 5.0 | **10** | < 5.0 | < 5.0 | < 5.0 | NA |
| MW-16 | 07/05/00 | ORG | < 0.50 | < 0.50 | **0.59** | **9.4** | **1.5** | **1,100 E** | < 0.50 | **2** | **28 E** | **4.3** | **2.2** | < 0.50 | **133** |
| MW-1600 | 07/05/00 | FD | **0.54** | < 0.50 | **0.56** | **9.2** | **1.5** | **1,100 E** | < 0.50 | **1.7** | **26 E** | **4** | **2** | < 0.50 | **77** |
| MW-16 | 07/05/00 | SPT | NA | **0.8** | **0.8** | **13.4** | **1.9** | **2,400 E** | NA | **2** | **41.5 E** | **2.8** | **2.5** | < 0.50 | **63.05** |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-1600 | 05/10/01 | FD | < 5.0 | < 5.0 | < 5.0 | **12** | **2 J** | **870** | < 5.0 | **2 J** | **20** | **3 J** | **2 J** | < 5.0 | **174 E** |
| MW-16 | 05/10/01 | ORG | < 5.0 | < 5.0 | **0.5 J** | **11** | **2 J** | **790** | < 5.0 | **0.9 J** | **18** | **3 J** | **1 J** | < 5.0 | **165 E** |
| MW-16 | 05/10/01 | SPT | < 5.0 | < 5.0 | < 5.0 | **9** | < 5.0 | **940** | < 5.0 | < 5.0 | **20** | < 5.0 | < 5.0 | < 5.0 | **270 E** |
| MW-16 | 10/23/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **88** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 3.0 |
| MW-16 | 10/23/01 | SPT | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **99** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **2** |
| MW-16 | 04/16/02 | ORG | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **500** | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **190** |
| MW-1600 | 04/16/02 | FD | < 5.0 | < 5.0 | < 5.0 | **6** | < 5.0 | **420** | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **190** |
| MW-16 | 04/16/02 | SPT | < 3.0 | < 3.0 | < 3.0 | **5** | < 3.0 | **350** | < 3.0 | < 3.0 | < 3.0 | < 3.0 | < 3.0 | < 3.0 | **281** |
| MW-16 | 11/20/02 | ORG | < 2.5 | < 2.5 | < 2.5 | **7.1** | < 2.5 | **440** | < 2.5 | < 2.5 | **3.6** | **3.7** | < 2.5 | < 2.5 | **420** |
| MW-16 | 06/11/03 | ORG | < 0.50 | < 0.50 | < 0.50 | **4.1** | **1.1** | **390** | < 0.50 | **0.72** | **1.1** | **2.3** | **1.0** | < 0.50 | **230** |
| MW-16 | 09/24/03 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.2** | < 0.50 | **120** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.61** | < 0.50 | **12** |
| MW-16 | 12/17/03 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.9** | < 0.50 | **240** | < 0.50 | **0.58** | < 0.50 | **1.4** | **1.1** | < 0.50 | **45** |
| MW-16 | 12/17/03 | SPT | < 1.0 | < 1.0 | < 1.0 | **3** | < 1.0 | **200** | < 1.0 | < 1.0 | < 1.0 | **1** | < 1.0 | < 1.0 | **100** |
| MW-16 | 03/31/04 | ORG | < 0.50 | < 0.50 | < 0.50 | **8.2** | < 0.50 | **590** | < 0.50 | **1.9** | **1.8** | **5.6** | **1.9** | < 0.50 | **180** |
| MW-1600 | 03/31/04 | FD | < 0.50 | < 0.50 | < 0.50 | **8.3** | < 0.50 | **590** | < 0.50 | **1.9** | **1.8** | **5.6** | **1.8** | < 0.50 | **180** |
| MW-16 | 06/18/04 | ORG | < 0.50 | < 0.50 | **0.98 U** | **14** | < 0.50 | **870** | **0.5** | **2.7** | **2.6** | **10** | **2.8** | < 0.50 | **400** |
| MW-16 | 09/22/04 | ORG | < 0.50 | < 0.50 | < 0.50 | **2** | < 0.50 | **260** | < 0.50 | < 0.50 | < 0.50 | **0.51** | **1** | < 0.50 | **11** |
| MW-16 | 12/10/04 | ORG | < 0.50 | < 0.50 | < 0.50 | **3.7** | < 0.50 | **900** | < 0.50 | **0.61** | < 0.50 | **1** | **1.8** | < 0.50 | **26** |
| MW-16 | 03/17/05 | ORG | < 0.50 | **0.58** | **1.1** | **18** | **4.5** | **1,900** | **0.57** | **2.9** | **2** | **10** | **3.7** | < 0.50 | **250** |
| MW-1600 | 03/17/05 | FD | < 0.50 | **0.58** | **1.1** | **17** | **4.2** | **1,400** | **0.51** | **2.7** | **1.9** | **9.8** | **3.6** | < 0.50 | **290** |
| MW-16 | 06/24/05 | ORG | < 0.50 | < 0.50 | < 0.50 | **6.9** | **1.7** | **710** | < 0.50 | **1.3** | < 0.50 | **4.2** | **2.3** | < 0.50 | **110** |
| MW-16 | 09/22/05 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.9** | < 0.50 | **320** | < 0.50 | < 0.50 | < 0.50 | **0.88** | **1.7** | < 0.50 | < 2.0 |
| MW-16 | 12/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | **4.3** | **1.2** | **370** | < 0.50 | **1.1** | < 0.50 | **2.2** | **1.2** | < 0.50 | **190** |
| MW-1600 | 12/21/05 | FD | < 0.50 | < 0.50 | < 0.50 | **3.8** | **1.1** | **320** | < 0.50 | **0.99** | < 0.50 | **1.9** | **1.1** | < 0.50 | **180** |
| MW-16 | 03/22/06 | ORG | < 0.50 | < 0.50 | < 0.50 | **3.1** | **1.1** | **210** | < 0.50 | **0.70** | < 0.50 | **1.4** | **0.63** | < 0.50 | **110** |
| MW-16 | 06/22/06 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.7** | **0.85** | **240** | < 0.50 | **0.95** | < 0.50 | **1.7** | **0.86** | < 0.50 | **140** |
| MW-16 | 09/28/06 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.6** | < 0.5 | **280** | < 0.50 | **0.51** | < 0.50 | **0.93** | **1.4** | < 0.50 | **130** |
| MW-16 | 12/15/06 | ORG | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **220** | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **64** |
| MW-16 | 03/14/07 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.1** | < 0.50 | **270** | < 0.50 | < 0.50 | < 0.50 | **0.91** | **2** | < 0.50 | **54** |
| MW-16 | 03/14/07 | SPT | < 2 | < 2 | < 2 | **2** | < 2 | **270** | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | **71** |
| MW-16 | 06/20/07 | ORG | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **140** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **2.0** | < 1.0 | **25** |
| MW-16 | 09/27/07 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.4** | < 0.50 | **330** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.2** | < 0.50 | **14** |
| MW-16 | 12/13/07 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.7** | < 0.50 | **320** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.8** | < 0.50 | **17** |
| MW-16 | 03/19/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.2** | < 0.50 | **330** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.3** | < 0.50 | **30 U** |
| MW-16 | 06/24/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.2** | < 0.50 | **480** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.6** | < 0.50 | **13** |
| MW-16 | 09/25/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **5.2** | < 0.50 | **820** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.6** | < 0.50 | **19 B** |
| MW-1600 | 09/25/08 | FD | < 0.50 | < 0.50 | < 0.50 | **4.8** | < 0.50 | **800** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.9** | < 0.50 | **21 B** |
| MW-16 | 09/25/08 | SPT | < 1.0 | < 1.0 | < 1.0 | **4.0** | < 1.0 | **880** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **26** |
| MW-16 | 12/19/08 | ORG | < 2.5 | < 2.5 | < 2.5 | **5.2** | < 2.5 | **1,100** | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **27** |
| MW-1600 | 12/19/08 | FD | < 2.5 | < 2.5 | < 2.5 | **5.4** | < 2.5 | **1,100** | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **29** |
| MW-16 | 03/17/09 | ORG | < 5.0 | < 5.0 | < 5.0 | **8.9** | < 5.0 | **1,500** | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **65** |
| MW-1600 | 03/17/09 | FD | < 5.0 | < 5.0 | < 5.0 | **9.1** | < 5.0 | **1,500** | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **62** |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-16 | 06/24/09 | ORG | < 2.5 | < 2.5 | < 2.5 | **6.1** | < 2.5 | **790** | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **360** |
| MW-16 | 09/02/09 | ORG | < 2.5 | < 2.5 | < 2.5 | **7.0** | < 2.5 | **1,100** | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **73** |
| MW-16 | 12/09/09 | ORG | < 2.5 | < 2.5 | < 2.5 | **5.5** | < 2.5 | **910** | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **3.0** | < 2.5 | **100** |
| MW-16 | 03/03/10 | ORG | < 1.0 | < 1.0 | < 1.0 | **4.8** | **1.5** | **590** | < 1.0 | < 1.0 | < 1.0 | **2.1** | **4.3** | < 1.0 | **440** |
| MW-16 | 06/11/10 | ORG | < 1.0 | < 1.0 | < 1.0 | **4.6** | < 1.0 | **560** | < 1.0 | < 1.0 | < 1.0 | **1.3** | **4.5** | < 1.0 | **180** |
| MW-16 | 06/11/10 | SPT | < 1.0 | < 1.0 | < 1.0 | **4.0** | < 1.0 | **620** | < 1.0 | < 1.0 | < 1.0 | **1** | **4** | < 1.0 | **210** |
| MW-16 | 09/09/10 | ORG | < 1.0 | < 1.0 | < 1.0 | **3.1** | < 1.0 | **540** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **4.9** | < 1.0 | **45** |
| **Historical High/Low** | | | | | | | | | | | | | **HIGH** | | |
| **MW-16 Historical Range** | | | < 0.50 - 0.54 | < 0.50 - 0.8 | < 0.50 - 1.1 | < 0.50 - 18 | < 0.50 - 4.5 | < 0.50 - 2,400 E | < 0.50 - 0.57 | < 0.50 - 2.9 | < 0.50 - 20 | < 0.50 - 10 | **< 0.50 - 4.5** | < 0.50 - < 5.0 | < 2.0 - 440 |
| MW-17 | 06/15/00 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-17 | 06/15/00 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-17 | 07/06/00 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 3.0 |
| MW-17 | 07/06/00 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-17 | 05/08/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-17 | 10/22/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-1700 | 10/22/01 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-17 | 04/16/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 |
| MW-17 | 04/16/02 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| MW-17 | 11/20/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 |
| MW-17 | 06/09/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 |
| MW-17 | 12/16/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 06/16/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 12/08/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.1 |
| MW-17 | 06/22/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 12/19/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 06/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 12/13/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 06/18/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 12/11/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 06/25/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 12/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 06/24/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-17 | 06/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| **MW-17 Historical Range** | | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 - < 3.0 |
| MW-18 | 06/15/00 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-1800 | 06/15/00 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.5** | NA |
| MW-18 | 07/06/00 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.51** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.7** | < 3.0 |
| MW-18 | 05/07/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.9** | NA |
| MW-18 | 10/23/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-18 | 04/16/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.3** | < 0.5 |
| MW-18 | 04/16/02 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| MW-18 | 11/19/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.0** | < 0.5 |
| MW-18 | 06/10/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.3** | < 0.5 |
| MW-18 | 12/16/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.3** | < 2.0 |
| MW-18 | 06/15/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.3** | < 2.0 |
| MW-18 | 12/09/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.6** | < 2.0 |
| MW-18 | 06/22/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.3** | < 2.0 |
| MW-18 | 12/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.9** | < 2.0 |
| MW-18 | 06/20/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.5** | < 2.0 |
| MW-18 | 12/15/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.5** | < 2.0 |
| MW-18 | 06/18/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.2** | < 2.0 |
| MW-18 | 12/12/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-18 | 06/24/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.1** | < 2.0 |
| MW-18 | 12/17/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.65** | **6.9** |
| MW-18 | 06/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.8** | **4.6** |
| MW-1800 | 06/26/08 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.7** | **5.0** |
| MW-18 | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.8** | **7.7 E** |
| MW-1800 | 12/10/09 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.6** | **7.0 E** |
| MW-18 | 12/10/09 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **3** | **1 E** |
| MW-18 | 06/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **6.3** | < 2.0 |
| **MW-18 Historical Range** | | | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 - 0.51 | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 - 6.3 | < 0.50 - 7.7 E |
| MW-19 | 06/14/00 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-19 | 06/14/00 | SPT | < 0.50 | < 0.50 | < 1.0 | < 0.50 | < 1.0 | < 1.0 | < 0.50 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 0.50 | NA |
| MW-19 | 07/06/00 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 3.0 |
| MW-19 | 05/08/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.64** | NA |
| MW-19 | 10/22/01 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-19 | 04/16/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-19 | 04/16/02 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| MW-19 | 11/20/02 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-19 | 06/10/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 |
| MW-19 | 12/16/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 06/16/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 12/09/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 06/22/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 12/19/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 06/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 12/13/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 06/18/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 12/10/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 06/25/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-19 | 12/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 06/24/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-19 | 06/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| **MW-19 Historical Range** | | | < 0.50 | < 0.50 | < 0.50 - < 1.0 | < 0.50 | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 - < 1.0 | < 0.50 - 0.64 | < 0.50 - < 3.0 |
| MW-20 | 09/23/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **82** | < 0.50 | < 0.50 | **0.63** | < 0.50 | < 0.50 | **0.58** | < 2.2 |
| MW-20 | 10/08/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **68** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-20 | 12/18/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **44** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-20 | 12/29/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9.0** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-20 | 06/24/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-20 | 12/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-20 | 06/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-20 | 12/13/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-20 | 06/21/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-20 | 12/11/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-20 | 06/23/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-20 | 12/18/08 | ORG | < 0.50 | < 0.50 | **0.70** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.9** |
| MW-20 | 06/25/09 | ORG | < 0.50 | < 0.50 | **0.64** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-2000 | 06/25/09 | FD | < 0.50 | < 0.50 | **0.61** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-20 | 12/08/09 | ORG | < 0.50 | < 0.50 | **0.78** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.5 |
| MW-20 | 06/10/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| **MW-20 Historical Range** | | | < 0.50 | < 0.50 | < 0.50 - 0.78 | < 0.50 | < 0.50 | < 0.50 - 82 | < 0.50 | < 0.50 | < 0.50 - 0.63 | < 0.50 | < 0.50 | < 0.50 - 0.58 | < 0.50 - 3.9 |
| MW-21-200 | 7/14/2003 | ORG | < 0.50 | < 0.50 | < 0.50 | **4.4** | < 0.50 | **300** | < 0.50 | < 0.50 | < 0.50 | **0.99** | **0.96** | < 0.50 | **43** |
| MW-21 | 09/23/03 | ORG | < 0.50 | **0.51** | **2.2** | **26** | < 0.50 | **1,300** | **1.3** | **4.3** | **1.1** | **11** | **29** | < 0.50 | **160** |
| MW-2100 | 09/23/03 | FD | < 0.50 | **0.53** | **2.4** | **26** | < 0.50 | **1,700** | **1.2** | **4.7** | **1.1** | **12** | **29** | < 0.50 | **160** |
| MW-21 | 09/23/03 | SPT | < 1.0 | < 1.0 | **2** | **24** | **3 E** | **1,400** | **1** | **3** | < 1.0 | **11** | **27** | < 1.0 | **340** |
| MW-21 | 10/08/03 | ORG | < 25 | < 25 | < 25 | < 25 | < 25 | **1,600** | < 25 | < 25 | < 25 | < 25 | **30** | < 25 | **160** |
| MW-21 | 12/17/03 | ORG | < 0.50 | **1.8** | **3.9** | **62** | **6.8** | **3,500** | **2.3** | **12** | **1.6** | **20** | **43** | < 0.50 | **150** |
| MW-2100 | 12/17/03 | FD | < 0.50 | **1.8** | **4.1** | **64** | **7** | **3,500** | **2.4** | **14** | **1.7** | **21** | **45** | < 0.50 | **150** |
| MW-21 | 12/17/03 | SPT | < 1.0 | **1** | **4** | **58** | **6** | **2,800** | **2** | **9** | **1** | **20** | **40** | < 1.0 | **290** |
| MW-21 | 03/31/04 | ORG | < 5.0 | < 5.0 | < 5.0 | **30** | < 5.0 | **2,200** | < 5.0 | **8.1** | < 5.0 | **8.9** | **23** | < 5.0 | **64 E** |
| MW-21 | 03/31/04 | SPT | < 1.0 | < 1.0 | < 1.0 | **30** | < 1.0 | **2,100** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **20** | < 1.0 | **140 E** |
| MW-21 | 06/18/04 | ORG | < 5.0 | < 5.0 | < 5.0 | **23** | < 5.0 | **1,600** | < 5.0 | **6** | < 5.0 | **6.6** | **22** | < 5.0 | **40** |
| MW-21 | 09/22/04 | ORG | < 5.0 | < 5.0 | < 5.0 | **7.5** | < 5.0 | **530** | < 5.0 | < 5.0 | < 5.0 | < 5.0 | **22** | < 5.0 | **13** |
| MW-21 | 12/10/04 | ORG | < 5.0 | < 5.0 | < 5.0 | **26** | < 5.0 | **1,700** | < 5.0 | **5.3** | < 5.0 | **8.8** | **30** | < 5.0 | **35** |
| MW-21 | 03/17/05 | ORG | < 0.50 | **1.9** | **4.6** | **71** | **8.9** | **4,600** | **2.4** | **12** | **2.0** | **27** | **46** | **0.53** | **300** |
| MW-2100 | 03/17/05 | FD | < 0.50 | **1.8** | **4.3** | **66** | **8.7** | **4,600** | **2.3** | **12** | **1.9** | **27** | **44** | < 0.50 | **330** |
| MW-21 | 06/22/05 | ORG | < 0.50 | **1.2** | **2.9** | **42** | **5.9** | **3,000** | **1.9** | **8.2** | < 0.50 | **19** | **37** | < 0.50 | **210 E** |
| MW-21 | 06/22/05 | SPT | < 1.0 | **1.1** | **2.9** | **42** | **6.2** | **2,400** | **1.7** | **7.2** | **1.2** | **18** | **35** | < 1.0 | **1,100 JE** |
| MW-21 | 09/22/05 | ORG | < 0.50 | **0.64** | **1.8** | **26** | **4.4** | **1,700** | **1.4** | **4** | < 0.50 | **12** | **33** | < 0.50 | **250** |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-21 | 12/19/05 | ORG | < 0.50 | < 0.50 | **2.8** | **31** | < 0.50 | **4,100** | < 0.50 | **7.4** | < 0.50 | **10** | **18** | < 0.50 | **430** |
| MW-21 | 03/23/06 | ORG | < 5.0 | < 5.0 | < 5.0 | **52** | < 5.0 | **4,000** | < 5.0 | **11** | < 5.0 | **14** | **30** | < 5.0 | **240** |
| MW-21 | 03/23/06 | SPT | < 0.50 | < 3.00 | < 3.00 | **40** | < 3.00 | **2,900** | < 3.00 | < 3.00 | < 3.00 | < 3.00 | **30** | < 3.00 | **250** |
| MW-21 | 06/22/06 | ORG | < 0.50 | **0.89** | **1.6** | **22** | **2.3** | **2,000** | **1.2** | **8.5** | < 0.50 | **6.9** | **31** | < 0.50 | **120** |
| MW-21 | 06/22/06 | SPT | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | **150** |
| MW-21 | 09/27/06 | ORG | < 2.5 | < 2.5 | < 2.5 | **17** | < 2.5 | **1,400** | < 2.5 | **3.3** | < 2.5 | **4.2** | **30** | < 2.5 | **1,100** |
| MW-21 | 12/11/06 | ORG | < 0.50 | **0.53** | **1.2** | **16** | **2** | **1,200** | **1.4** | **3.2** | < 0.50 | **5.5** | **31** | < 0.50 | **150** |
| MW-21 | 12/11/06 | SPT | < 7 | < 7 | < 7 | **10 E** | < 7 | **1,000** | < 7 | < 7 | < 7 | < 7 | **30** | < 7 | **180** |
| MW-21 | 03/14/07 | ORG | < 2.5 | < 2.5 | < 2.5 | **12 E** | **3.2** | **1,400** | < 2.5 | **4.4** | < 2.5 | **8.2** | **32** | < 2.5 | **330** |
| MW-2100 | 03/14/07 | FD | < 2.5 | < 2.5 | < 2.5 | **18 E** | **3.2** | **1,400** | < 2.5 | **4.3** | < 2.5 | **8.6** | **33** | < 2.5 | **320** |
| MW-21 | 03/14/07 | SPT | < 1.0 | < 1.0 | < 1.0 | **20 E** | < 1.0 | **1,500** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **30** | < 1.0 | **450** |
| MW-21 | 06/20/07 | ORG | < 1.0 | < 1.0 | < 1.0 | **19** | < 1.0 | **1,400** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **35** | < 1.0 | **240** |
| MW-21 | 09/27/07 | ORG | < 0.50 | < 0.50 | < 0.50 | **5.6** | **0.72** | **490** | **1.8** | **1.2** | < 0.50 | **2.0** | **36** | < 0.50 | **51** |
| MW-21 | 12/13/07 | ORG | < 0.50 | < 0.50 | **0.50 U** | **4.8** | < 0.50 | **320** | **1.8** | **0.96** | < 0.50 | **1.4** | **41** | < 0.50 | **47** |
| MW-2100 | 12/13/07 | FD | < 0.50 | < 0.50 | **0.50 U** | **5.0** | < 0.50 | **620** | **1.7** | **1.0** | < 0.50 | **1.4** | **42** | < 0.50 | **49** |
| MW-21 | 12/13/07 | SPT | < 5 | < 5 | < 5 | < 5 | < 5 | **480** | < 5 | < 5 | < 5 | < 5 | **40** | < 5 | **54** |
| MW-21 | 06/25/08 | ORG | < 5 | < 5 | < 5 | **60** | **6.9** | **4,900** | < 5 | **11** | < 5 | **20** | **34** | < 5 | **370** |
| MW-2100 | 06/25/08 | FD | < 5 | < 5 | < 5 | **60** | **7.0** | **5,100** | < 5 | **11** | < 5 | **20** | **34** | < 5 | **380** |
| MW-21 | 06/25/08 | SPT | < 5 | < 5 | < 5 | **50** | **6.0** | **3,500** | < 5 | **10** | < 5 | **20** | **30** | < 5 | **440** |
| MW-21 | 07/08/08 | ORG | < 10 | < 10 | < 10 | **47** | < 10 | **3,500** | < 10 | **11** | < 10 | **16** | **26** | < 10 | **410** |
| MW-21 | 07/09/08 | ORG | < 10 | < 10 | < 10 | **54** | < 10 | **4,200** | < 10 | **10** | < 10 | **17** | **25** | < 10 | **360** |
| MW-21 | 07/10/08 | ORG | < 5 | < 5 | < 5 | **38** | **5.2** | **3,800** | < 5 | **12** | < 5 | **13** | **23** | < 5 | **330** |
| MW-21 | 07/15/08 | ORG | < 5 | < 5 | < 5 | **42** | < 5 | **3,500** | < 5 | **12** | < 5 | **13** | **30** | < 5 | **290** |
| MW-21 | 07/16/08 | ORG | < 5 | < 5 | < 5 | **47** | **5.5** | **4,800** | < 5 | **9.7** | < 5 | **14** | **26** | < 5 | **310** |
| MW-21 | 07/23/08 | ORG | < 10 | < 10 | < 10 | **40** | < 10 | **3,500** | < 10 | < 10 | < 10 | **13** | **24** | < 10 | **220** |
| MW-21 | 07/30/08 | ORG | < 10 | < 10 | < 10 | **41** | < 10 | **3,400** | < 10 | < 10 | < 10 | **10** | **20** | < 10 | **230** |
| MW-21 | 08/06/08 | ORG | < 5 | < 5 | < 5 | **32** | < 5 | **1,500** | < 5 | **7.0** | < 5 | **7.7** | **19** | < 5 | **230** |
| MW-21 | 08/25/08 | ORG | < 5 | < 5 | < 5 | **21** | < 5 | **1,800** | < 5 | **5.1** | < 5 | **6.3** | **16** | < 5 | **150** |
| MW-21 | 09/24/08 | ORG | < 2.5 | < 2.5 | < 2.5 | **15** | < 2.5 | **1,200** | < 2.5 | **3.4** | < 2.5 | **4.8** | **16** | < 2.5 | **100** |
| MW-21 | 10/22/08 | ORG | < 2.5 | < 2.5 | < 2.5 | **13** | < 2.5 | **1,200** | < 2.5 | **3.2** | < 2.5 | **3.0** | **14** | < 2.5 | **95** |
| MW-21 | 11/26/08 | ORG | < 2.5 | < 2.5 | < 2.5 | **11** | < 2.5 | **1,100** | < 2.5 | **2.6** | < 2.5 | **2.5** | **12** | < 2.5 | **74** |
| MW-21 | 02/25/09 | ORG | < 2.5 | < 2.5 | < 2.5 | **7** | < 2.5 | **720** | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **12** | < 2.5 | **83** |
| MW-21 | 03/18/09 | ORG | < 2.5 | < 2.5 | < 2.5 | **7.7** | < 2.5 | **900** | < 2.5 | < 2.5 | < 2.5 | **2.5** | **11** | < 2.5 | **54** |
| MW-21 | 04/29/09 | ORG | < 2.5 | < 2.5 | < 2.5 | **7.8** | < 2.5 | **860** | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **14** | < 2.5 | **65** |
| MW-21 | 05/27/09 | ORG | < 2.5 | < 2.5 | < 2.5 | **8.4** | < 2.5 | **940** | < 2.5 | < 2.5 | < 2.5 | **2.5** | **14** | < 2.5 | **71** |
| MW-21 | 06/29/09 | ORG | < 0.5 | < 0.5 | **0.64** | **7.4** | **0.81** | **860** | **0.63** | **2.1** | < 0.5 | **2.1** | **17** | < 0.5 | **68** |
| MW-21 | 07/22/09 | ORG | < 1.0 | < 1.0 | < 1.0 | **8.4** | < 1.0 | **870** | **1.0** | **1.6** | < 1.0 | **1.9** | **16** | < 1.0 | **65** |
| MW-21 | 08/14/09 | ORG | < 2.5 | < 2.5 | < 2.5 | **8.8** | < 2.5 | **900** | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **18** | < 2.5 | **72** |
| MW-21 | 09/11/09 | ORG | < 2.5 | < 2.5 | < 2.5 | **8.3** | < 2.5 | **1,100** | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **14** | < 2.5 | **63** |
| MW-21 | 10/08/09 | ORG | < 2.5 | < 2.5 | < 2.5 | **9.2** | < 2.5 | **830** | < 2.5 | < 2.5 | < 2.5 | < 2.5 | **19** | < 2.5 | **76** |
| MW-21 | 12/09/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.7** | < 0.50 | **200** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **12** | < 0.50 | **11** |
| MW-21 | 03/05/10 | ORG | < 1.0 | < 1.0 | < 1.0 | **2.9** | < 1.0 | **370** | < 1.0 | < 1.0 | < 1.0 | < 1.0 | **14** | < 1.0 | **21** |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-21 | 06/11/10 | ORG | < 2.0 | < 2.0 | < 2.0 | **8.6** | < 2.0 | **800** | < 2.0 | < 2.0 | < 2.0 | < 2.0 | **22** | < 2.0 | **40** |
| MW-21 | 06/11/10 | SPT | < 1 | < 1 | < 1 | **7** | < 1 | **850** | < 1 | **1** | < 1 | **2** | **21** | < 1 | **47** |
| MW-21 | 09/08/10 | ORG | < 2.0 | < 2.0 | < 2.0 | **12** | < 2.0 | **1,000** | < 2.0 | < 2.0 | < 2.0 | < 2.0 | **21** | < 2.0 | **74** |
| **MW-21 Historical Range** | | | < 0.50 - < 25 | < 0.50 - 1.9 | < 0.50 - 4.6 | < 0.50 - 71 | < 0.50 - 8.9 | 200 - 5,100 | < 0.50 - 2.4 | < 0.50 - 14 | < 0.50 - 2.0 | < 0.50 - 27 | < 0.50 - 46 | < 0.50 - 0.53 | 11 - 1,100 |
| MW-22-203 | 07/28/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 |
| MW-22 | 09/23/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-22 | 10/08/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-22 | 12/15/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 03/30/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 06/14/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 09/21/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 12/07/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 03/14/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 06/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 09/20/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 12/18/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 03/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 06/20/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 09/26/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 12/13/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 03/12/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 06/18/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 09/25/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 12/10/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 03/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 06/25/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 09/23/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 12/16/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 03/17/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 06/22/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 09/01/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 12/09/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 03/02/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 06/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-22 | 09/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| **MW-22 Historical Range** | | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 - < 2.0 |
| MW-23-199 | 08/12/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 |
| MW-23 | 09/23/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-23 | 10/08/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-23 | 12/15/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-23 | 03/29/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 06/15/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-23 | 09/20/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 12/07/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 03/14/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 06/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 09/20/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 12/18/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 03/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 06/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 09/26/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 12/12/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 03/12/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 06/18/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 09/24/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 12/11/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 03/17/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 06/25/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 09/23/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 12/16/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 03/17/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 06/23/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 09/01/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 03/02/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 06/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-23 | 09/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| **MW-23 Historical Range** | | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.5 - < 2.0 |
| MW-24 | 09/23/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-2400 | 09/23/04 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 09/23/04 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| MW-24 | 10/19/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 12/07/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-2400 | 12/07/04 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 03/14/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 06/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 09/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 12/18/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 03/20/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 06/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 09/26/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-24 | 12/13/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 03/13/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.7** |
| MW-24 | 06/20/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-2400 | 06/20/07 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 06/20/07 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1 |
| MW-24 | 09/25/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 12/11/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 03/17/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 06/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 09/24/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 12/16/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 03/16/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 06/24/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 09/02/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 03/03/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 06/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-24 | 09/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| **MW-24 Historical Range** | | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 - < 2.7 |
| MW-26A | 10/20/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26A | 11/10/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26A | 12/08/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 12/08/04 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 03/16/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 06/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 09/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 12/18/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 03/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 06/20/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 09/27/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 12/12/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 03/13/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 06/18/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 09/25/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 12/10/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 03/17/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 06/23/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 09/24/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 12/17/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 03/18/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 06/23/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 09/02/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-26A | 12/09/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 03/02/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 06/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26A | 09/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| **MW-26A Historical Range** | | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26B | 10/20/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26B | 11/10/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26B | 12/08/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 12/08/04 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 03/16/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 06/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 09/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 12/18/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 03/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 06/20/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 09/27/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 12/12/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 03/13/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 06/18/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 09/25/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 12/10/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 03/17/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 06/23/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 09/24/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 12/17/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 03/18/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 06/23/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 09/02/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 12/09/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 03/02/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 06/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26B | 09/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| **MW-26B Historical Range** | | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 10/19/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 11/10/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 12/07/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-2600C | 12/07/04 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| MW-26C | 03/16/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.1 |
| MW-26C | 06/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 09/21/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-26C | 12/18/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 03/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 06/20/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 09/27/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 12/12/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 03/13/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.55** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 06/19/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-2600C | 06/19/07 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1 |
| MW-26C | 06/19/07 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 09/25/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 12/11/07 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.5** | < 0.50 | **100** | < 0.50 | < 0.50 | < 0.50 | **0.61** | < 0.50 | < 0.50 | **57** |
| MW-26C | 12/20/07 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.7** | < 0.50 | **120** | < 0.50 | < 0.50 | < 0.50 | **0.72** | < 0.50 | < 0.50 | **55 E** |
| MW-2600C | 12/20/07 | FD | < 0.50 | < 0.50 | < 0.50 | **1.7** | < 0.50 | **120** | < 0.50 | < 0.50 | < 0.50 | **0.77** | < 0.50 | < 0.50 | **34 U** |
| MW-26C | 12/20/07 | SPT | < 0.50 | < 0.50 | < 0.50 | **2** | < 0.50 | **100** | < 0.50 | < 0.50 | < 0.50 | **0.8** | < 0.50 | < 0.50 | **76 E** |
| MW-26C | 01/21/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.3** | < 0.50 | **110** | < 0.50 | < 0.50 | < 0.50 | **0.77** | < 0.50 | < 0.50 | **75** |
| MW-26C | 02/21/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.0** | < 0.50 | **71** | < 0.50 | **0.79** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **36** |
| MW-26C | 03/19/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.61** | < 0.50 | **46** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **37 E** |
| MW-2600C | 03/19/08 | FD | < 0.50 | < 0.50 | < 0.50 | **0.59** | < 0.50 | **46** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **31 U** |
| MW-26C | 03/19/08 | SPT | < 0.50 | < 0.50 | < 0.50 | **0.60** | < 0.50 | **44** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **22 U** |
| MW-26C | 04/21/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **18** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **11** |
| MW-26C | 05/27/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **38** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **13** |
| MW-26C | 06/24/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **15** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.9** |
| MW-26C | 07/16/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **13** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.3** |
| MW-26C | 08/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **10** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.9** |
| MW-26C | 09/25/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9.6** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.1 BU** |
| MW-26C | 12/17/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **16** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **6.5** |
| MW-26C | 03/18/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.0** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 06/23/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 09/02/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.6** |
| MW-26C | 12/09/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.59** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 03/02/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 06/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-26C | 09/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| **MW-26C Historical Range** | | | < 0.50 | < 0.50 | < 0.50 | < 0.50 - 2 | < 0.50 | < 0.50 - 120 | < 0.50 | < 0.50 - 0.79 | < 0.50 | < 0.50 - 0.8 | < 0.50 | < 0.50 | < 1 - 76 E |
| MW-27 | 05/27/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-2700 | 05/27/08 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 05/27/08 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1 |
| MW-27 | 06/10/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 06/25/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 07/16/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 08/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-27 | 09/23/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 12/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 03/17/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 06/22/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 09/01/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 12/09/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 03/02/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 06/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-27 | 09/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| **MW-27 Historical Range** | | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1 - < 2.0 |
| MW-28 | 05/16/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.94** | < 0.50 | **76 E** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **19** |
| MW-2800 | 05/16/08 | FD | < 0.50 | < 0.50 | < 0.50 | **0.98** | < 0.50 | **78 E** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **20** |
| MW-28 | 05/16/08 | SPT | < 0.50 | < 0.50 | < 0.50 | **0.5** | < 0.50 | **45 E** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **23** |
| MW-28 | 05/27/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **22** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8.2** |
| MW-28 | 06/27/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **19** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9.3** |
| MW-28 | 07/17/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9.9** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.8** |
| MW-28 | 08/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.1** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-28 | 09/25/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **23** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8.2 BE** |
| MW-28 | 12/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.7** | < 0.50 | **60** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **18** |
| MW-28 | 03/17/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **41** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **14** |
| MW-28 | 06/23/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **28** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8.2** |
| MW-28 | 09/01/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **27** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9.1** |
| MW-2800 | 09/01/09 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **33** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9.4** |
| MW-28 | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **32** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9.5** |
| MW-28 | 03/04/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **18** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **7.0** |
| MW-28 | 06/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **6.3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.1** |
| MW-2800 | 06/09/10 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.0** |
| MW-28 | 09/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.1** |
| **MW-28 Historical Range** | | | < 0.50 | < 0.50 | < 0.50 | < 0.50 - 0.98 | < 0.50 | 4.1 - 78 E | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 - 23 |
| MW-29 | 08/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.5** | < 0.50 | **150** | < 0.50 | < 0.50 | < 0.50 | **0.5** | **0.60** | < 0.50 | **54** |
| MW-2900 | 08/26/08 | FD | < 0.50 | < 0.50 | < 0.50 | **1.6** | < 0.50 | **140** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.58** | < 0.50 | **55** |
| MW-29 | 08/26/08 | SPT | < 1 | < 1 | < 1 | **1** | < 1 | **120** | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **67** |
| MW-29 | 09/25/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.2 E** | < 0.50 | **110 E** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.74 E** | < 0.50 | **26 BE** |
| MW-2900 | 09/25/08 | FD | < 0.50 | < 0.50 | < 0.50 | **1.2** | < 0.50 | **99** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 0.50 | **32 BE** |
| MW-29 | 09/25/08 | SPT | < 1 | < 1 | < 1 | **1** | < 1 | **100** | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **40 E** |
| MW-29 | 12/18/08 | ORG | < 1.0 | < 1.0 | < 1.0 | **4.7** | **1.0** | **400** | < 1.0 | **1.3** | < 1.0 | **1.4** | **4.3** | < 1.0 | **98** |
| MW-2900 | 12/18/08 | FD | < 1.0 | < 1.0 | < 1.0 | **4.5** | **1.0** | **390** | < 1.0 | **1.3** | < 1.0 | **1.5** | **4.3** | < 1.0 | **110** |
| MW-29 | 03/17/09 | ORG | < 0.50 | < 0.50 | **0.62** | **5.2** | **1.0** | **530** | < 0.50 | **1.5** | < 0.50 | **1.9** | **4.0** | **0.81** | **110** |
| MW-2900 | 03/17/09 | FD | < 0.50 | < 0.50 | **0.60** | **5.0** | **1.0** | **550** | < 0.50 | **1.4** | < 0.50 | **1.9** | **4.0** | **0.78** | **100** |
| MW-29 | 06/24/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.7** | **0.55** | **320** | < 0.50 | **1.1** | < 0.50 | **0.91** | **3.3** | **0.60** | **84** |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-29 | 09/02/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.7** | **0.57** | **310** | < 0.50 | **0.97** | < 0.50 | **0.93** | **3.4** | **0.62** | **71** |
| MW-2900 | 09/02/09 | FD | < 0.50 | < 0.50 | < 0.50 | **3.0** | **0.64** | **340** | < 0.50 | **1.0** | < 0.50 | **0.89** | **3.6** | **0.68** | **75** |
| MW-29 | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **3.0** | **0.50** | **290** | < 0.50 | **0.97** | < 0.50 | **0.84** | **3.5** | **0.54** | **74** |
| MW-29 | 03/04/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **3.0** | **0.52** | **340** | < 0.50 | **1.2** | < 0.50 | **0.73** | **3.6** | **0.61** | **95** |
| MW-2900 | 03/04/10 | FD | < 0.50 | < 0.50 | < 0.50 | **3.0** | **0.50** | **320** | < 0.50 | **1.1** | < 0.50 | **0.64** | **3.9** | **0.58** | **96** |
| MW-29 | 06/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.9** | < 0.50 | **300** | < 0.50 | **0.85** | < 0.50 | **0.73** | **3.2** | **0.65** | **61** |
| MW-29 | 09/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.1** | < 0.50 | **140** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.0** | < 0.50 | **30** |
| **Historical High/Low** | | | | | | | | | | | | | | | **LOW** |
| **MW-29 Historical Range** | | | < 0.50 - <1.0 | < 0.50 - <1.0 | < 0.50 - < 0.62 | 1 - 5.2 | < 0.50 - 1.0 | 99 - 550 | < 0.50 - 1.0 | < 0.50 - 1.5 | < 0.50 - 1.0 | < 0.50 - 1.9 | 0.58 - 4.3 | < 0.50 - 0.81 | **54 - 110** |
| MW-30A | 12/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.9** | **0.67** | **270** | < 0.50 | **0.58** | < 0.50 | **1.1** | **0.72** | < 0.50 | **86** |
| MW-30A | 12/18/08 | SPT | < 1 | < 1 | < 1 | **3** | < 1 | **290** | < 1 | < 1 | < 1 | **1** | < 1 | < 1 | **110** |
| MW-30A | 01/07/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.5** | **0.57** | **270** | < 0.50 | **0.52** | < 0.50 | **0.95** | **0.52** | < 0.50 | **95** |
| MW-30A | 03/17/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.1** | < 0.50 | **140 E** | < 0.50 | < 0.50 | < 0.50 | **0.57** | < 0.50 | < 0.50 | **53** |
| MW-30A | 03/17/09 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **69 E** | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **40** |
| MW-30A | 06/23/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.89** | < 0.50 | **80** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **32** |
| MW-30A | 06/23/09 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **79** | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **38** |
| MW-30A | 09/02/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.2** | < 0.50 | **140** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **46** |
| MW-30A | 09/02/09 | SPT | < 1 | < 1 | < 1 | **1** | < 1 | **110** | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **54** |
| MW-30A | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.1** | < 0.50 | **92** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **36** |
| MW-30A | 03/03/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.1** | < 0.50 | **85 E** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **43** |
| MW-3000A | 03/03/10 | FD | < 0.50 | < 0.50 | < 0.50 | **1.1** | < 0.50 | **65 E** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **41** |
| MW-30A | 06/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **24** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **13** |
| MW-30A | 09/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.6** |
| **Historical High/Low** | | | | | | | | **LOW** | | | | | | | **LOW** |
| **MW-30A Historical Range** | | | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - 3 | < 0.50 - 0.67 | **24 - 290** | < 0.50 - < 1 | < 0.50 - 0.58 | < 0.50 - < 1 | < 0.50 - 1.1 | < 0.50 - 0.72 | < 0.50 - < 1 | **13 - 110** |
| MW-30B | 12/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.1** | **1.3** | < 0.50 | < 0.50 | < 0.50 | **26** | < 0.50 | < 2.0 |
| MW-30B | 12/18/08 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **4** | **1** | < 1 | < 1 | < 1 | **24** | < 1 | < 1 |
| MW-30B | 01/07/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-30B | 03/17/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **7.0** | **2.0** | < 0.50 | < 0.50 | < 0.50 | **35** | < 0.50 | **28E** |
| MW-30B | 03/17/09 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **5** | **2** | < 1 | < 1 | < 1 | **30** | < 1 | < 1E |
| MW-30B | 06/23/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.91** | < 0.50 | < 2.0 |
| MW-30B | 06/23/09 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| MW-30B | 09/02/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.96** | < 0.50 | < 2.0 |
| MW-30B | 09/02/09 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| MW-30B | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.1** | **0.67** | < 0.50 | < 0.50 | < 0.50 | **12** | < 0.50 | < 2.0 |
| MW-3000B | 12/10/09 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.1** | **0.70** | < 0.50 | < 0.50 | < 0.50 | **12** | < 0.50 | < 2.0 |
| MW-30B | 12/10/09 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **1** | < 1 | < 1 | < 1 | < 1 | **10** | < 1 | < 1 |
| MW-30B | 03/03/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **9.4** | < 0.50 | < 2.0 |
| MW-30B | 06/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **13** | **4.3** | < 0.50 | < 0.50 | < 0.50 | **78** | < 0.50 | < 2.0 |
| MW-30B | 09/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **11** | **3.4** | < 0.50 | < 0.50 | < 0.50 | **65** | < 0.50 | < 2.0 |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| Well Identifier | Date Sampled | QA Code | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | Semi-VOCs 1,4-DIOXANE (--/--) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-3000B | 09/08/10 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **13** | **3.7** | < 0.50 | < 0.50 | < 0.50 | **70** | < 0.50 | < 2.0 |
| **MW-30B Historical Range** | | | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - 13 | < 0.50 - 4.3 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - 78 | < 0.50 - < 1 | < 2.0 - 28 E |
| MW-31 | 10/13/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **74** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.7** | < 0.50 | < 2.0 |
| MW-3100 | 10/13/09 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **72** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.6** | < 0.50 | < 2.0 |
| MW-31 | 11/04/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.7** | < 0.50 | **290** | **0.77** | < 0.50 | < 0.50 | < 0.50 | **13** | < 0.50 | **4.1** |
| MW-3100 | 11/04/09 | FD | < 0.50 | < 0.50 | < 0.50 | **1.6** | < 0.50 | **270** | **0.73** | < 0.50 | < 0.50 | < 0.50 | **12** | < 0.50 | **3.9** |
| MW-31 | 11/04/09 | SPT | < 1 | < 1 | < 1 | **2** | < 1 | **270** | < 1 | < 1 | < 1 | < 1 | **11** | < 1 | < 4 |
| MW-31 | 12/10/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.6** | < 0.50 | **240** | **0.73** | < 0.50 | < 0.50 | < 0.50 | **10** | < 0.50 | **2.8** |
| MW-3100 | 12/10/09 | FD | < 0.50 | < 0.50 | < 0.50 | **1.6** | < 0.50 | **230** | **0.72** | < 0.50 | < 0.50 | < 0.50 | **11** | < 0.50 | **2.8** |
| MW-31 | 12/10/09 | SPT | < 1 | < 1 | < 1 | **1** | < 1 | **190** | < 1 | < 1 | < 1 | < 1 | **8** | < 1 | **3** |
| MW-31 | 03/03/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.50** | < 0.50 | **90** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.2** | < 0.50 | < 2.0 |
| MW-31 | 03/03/10 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **87** | < 1 | < 1 | < 1 | < 1 | **4** | < 1 | **1** |
| MW-31 | 06/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **3.0** | < 0.50 | **370** | **1.2** | < 0.50 | < 0.50 | < 0.50 | **15** | < 0.50 | **5.3** |
| MW-3100 | 06/09/10 | FD | < 0.50 | < 0.50 | < 0.50 | **2.9** | < 0.50 | **360** | **1.1** | < 0.50 | < 0.50 | < 0.50 | **15** | < 0.50 | **5.2** |
| MW-31 | 06/09/10 | SPT | < 1 | < 1 | < 1 | **3** | < 1 | **370** | < 1 | < 1 | < 1 | < 1 | **15** | < 1 | **7** |
| MW-31 | 09/09/10 | ORG | < 1.0 | < 1.0 | < 1.0 | **3.6** | < 1.0 | **430** | **1.2** | < 1.0 | < 1.0 | < 1.0 | **17** | < 1.0 | **5.6** |
| MW-31 | 09/09/10 | SPT | < 1 | < 1 | < 1 | **3** | < 1 | **430** | < 1 | < 1 | < 1 | < 1 | **15** | < 1 | **7** |
| **Historical High/Low** | | | | | | **HIGH** | | **HIGH** | | | | | **HIGH** | | |
| **MW-31 Historical Range** | | | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - 3.0 | < 0.50 - < 1 | < 0.50 - 370 | < 0.50 - 1.2 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - 15 | < 0.50 - < 1 | < 2.0 - 7 |
| MW-32A | 01/04/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-32A | 01/04/10 | DUP | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-32A | 01/04/10 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| MW-32A | 01/19/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-32A | 03/04/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-32A | 06/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-32A | 09/07/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| **MW-32A Historical Range** | | | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 1 - < 2.0 |
| MW-32B | 01/04/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **31** | **4.0** | < 0.50 | < 0.50 | < 0.50 | **55** | < 0.50 | < 2.0 |
| MW-32B | 01/04/10 | DUP | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **32** | **4.0** | < 0.50 | < 0.50 | < 0.50 | **57** | < 0.50 | **2.0** |
| MW-32B | 01/04/10 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **27** | **3** | < 1 | < 1 | < 1 | **44** | < 1 | **3** |
| MW-32B | 01/19/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **38** | **4.2** | < 0.50 | < 0.50 | < 0.50 | **59** | < 0.50 | < 2.0 |
| MW-32B | 01/19/10 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **38** | **4.2** | < 0.50 | < 0.50 | < 0.50 | **59** | < 0.50 | < 2.0 |
| MW-32B | 03/05/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **16** | **1.9** | < 0.50 | < 0.50 | < 0.50 | **24** | < 0.50 | < 2.0 |
| MW-32B | 03/05/10 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **15** | **2** | < 1 | < 1 | < 1 | **21** | < 1 | **1** |
| MW-32B | 06/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **19** | **2.3** | < 0.50 | < 0.50 | < 0.50 | **27** | < 0.50 | < 2.0 |
| MW-3200B | 06/09/10 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **26** | **3.0** | < 0.50 | < 0.50 | < 0.50 | **33** | < 0.50 | < 2.0 |
| MW-32B | 09/07/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.50** | < 0.50 | **58** | **5.7** | < 0.50 | < 0.50 | < 0.50 | **63** | < 0.50 | **3.0** |
| **Historical High/Low** | | | | | | **HIGH** | | **HIGH** | **HIGH** | | | | **HIGH** | | |
| **MW-32B Historical Range** | | | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | **< 0.50 - < 1** | < 0.50 - < 1 | **15 - 38** | **1.9 - 4.2** | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | **21 - 59** | < 0.50 - < 1 | < 1 - 3 |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| MW-32C | 01/05/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-32C | 01/05/10 | DUP | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1 |
| MW-32C | 01/05/10 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 2.0 |
| MW-32C | 01/19/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-32C | 03/05/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-32C | 06/10/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| MW-32C | 09/07/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| **MW-32C Historical Range** | | | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 1 - < 2.0 |
| MW-33 | 07/16/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.6** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.2** | < 0.50 | < 2.0 |
| MW-3300 | 07/16/10 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.8** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.3** | < 0.50 | < 2.0 |
| MW-33 | 07/16/10 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **4** | < 1 | < 1 | < 1 | < 1 | **1** | < 1 | < 1 |
| MW-33 | 07/30/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.4** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.55** | < 0.50 | < 2.0 |
| MW-33 | 09/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.69** | < 0.50 | < 2.0 |
| MW-3300 | 09/09/10 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.4** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.74** | < 0.50 | < 2.0 |
| **MW-33 Historical Range** | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| EW-01 | 6/22/2005 | ORG | < 0.50 | < 0.50 | **0.67** | **10** | **2.6** | **750** | < 0.50 | **2.5** | < 0.50 | **6.5** | **2.1** | < 0.50 | **140 E** |
| EW-100 | 6/22/2005 | FD | < 0.50 | < 0.50 | **0.65** | **11** | **2.6** | **740** | < 0.50 | **2.5** | < 0.50 | **6.8** | **2.2** | < 0.50 | **150 E** |
| EW-01 | 6/22/2005 | SPT | < 1.0 | < 1.0 | < 1.0 | **10** | **2.5** | **600** | < 1.0 | **2.2** | < 1.0 | **6.3** | **1.9** | < 1.0 | **600 E** |
| EW-01 | 09/22/05 | ORG | < 0.50 | < 0.50 | < 0.50 | **3** | < 0.50 | **210 E** | < 0.50 | **0.59** | < 0.50 | **1.5** | **0.58** | < 0.50 | **25 E** |
| EW-100 | 09/22/05 | FD | < 0.50 | < 0.50 | < 0.50 | **3.1** | < 0.50 | **77 E** | < 0.50 | **0.53** | < 0.50 | **1.5** | **0.53** | < 0.50 | **24 E** |
| EW-01 | 09/22/05 | SPT | < 0.50 | < 0.50 | < 0.50 | **2** | < 0.50 | **120 E** | < 0.50 | **0.5** | < 0.50 | **1** | < 0.50 | < 0.50 | **73 E** |
| EW-01 | 12/19/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **5.1** |
| EW-100 | 12/19/05 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.74** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.5** |
| EW-01 | 03/22/06 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.9** | < 0.50 | **1.0** | < 0.50 | < 0.50 | < 0.50 | **1.0** | < 0.50 | < 0.50 | **83** |
| EW-100 | 03/22/06 | FD | < 0.50 | < 0.50 | < 0.50 | **2.0** | **0.90** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.2** | < 0.50 | < 0.50 | **78** |
| EW-01 | 06/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **25** |
| EW-100 | 06/21/06 | FD | < 0.50 | < 0.50 | < 0.50 | **0.51** | < 0.50 | **5.1** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **27** |
| EW-01 | 12/11/06 | ORG | **2** | < 0.50 | < 0.50 | **1.6** | < 0.50 | **4.3 E** | < 0.50 | < 0.50 | < 0.50 | **0.8** | < 0.50 | < 0.50 | **42** |
| EW-01 | 12/11/06 | SPT | **2** | < 0.50 | < 0.50 | **1** | < 0.50 | **68 E** | < 0.50 | < 0.50 | < 0.50 | **0.6** | < 0.50 | < 0.50 | **48** |
| EW-01 | 03/14/07 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.2** | < 0.50 | **90** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **33** |
| EW-100 | 03/14/07 | FD | < 0.50 | < 0.50 | < 0.50 | **1.1** | < 0.50 | **90** | < 0.50 | < 0.50 | < 0.50 | **0.51** | < 0.50 | < 0.50 | **30** |
| EW-01 | 06/22/07 | ORG | < 0.50 | < 0.50 | **0.57** | < 0.50 | < 0.50 | **24** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **15** |
| EW-01 | 09/27/07 | ORG | < 0.50 | < 0.50 | < 0.50 | **3.8** | **0.90** | < 0.50 | < 0.50 | **0.73** | < 0.50 | **2.1** | **0.56** | < 0.50 | **110** |
| EW-01 | 12/13/07 | ORG | < 0.50 | **0.53** | **1.2** | **16** | **4.0** | **820** | **0.52** | **3.3** | < 0.50 | **10** | **2.8** | < 0.50 | **660** |
| EW-100 | 12/13/07 | FD | < 0.50 | **0.55** | **1.1** | **16** | **4.2** | **710** | < 0.50 | **3.4** | < 0.50 | **9.7** | **2.7** | < 0.50 | **650** |
| EW-01 | 12/13/07 | SPT | < 0.50 | < 0.50 | **1** | **14** | **3** | **740** | < 0.50 | **3** | < 0.50 | **8.7** | **3** | < 0.50 | **770** |
| EW-01 | 06/25/08 | ORG | < 0.50 | < 0.50 | **0.61** | **9.5** | **2.2** | **1,600 E** | < 0.50 | **2.6** | < 0.50 | **5.7** | **2** | < 0.50 | **710** |
| EW-100 | 06/25/08 | FD | < 1.0 | < 1.0 | < 1.0 | **8.8** | **2.2** | **840 E** | **1.1** | **2.6** | < 1.0 | **5.7** | **1.8** | < 1.0 | **800** |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| EW-01 | 06/25/08 | SPT | < 5 | < 5 | < 5 | **8** | < 5 | **620 E** | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | **530** |
| EW-01 | 07/08/08 | ORG | < 2.5 | < 2.5 | < 2.5 | **8.5** | < 2.5 | **720** | < 2.5 | **2.6** | < 2.5 | **5.5** | < 2.5 | < 2.5 | **490** |
| EW-01 | 07/09/08 | ORG | < 0.50 | < 0.50 | **0.76** | **9.2** | **1.9** | **820** | < 0.50 | **2.2** | < 0.50 | **5.0** | **1.9** | < 0.50 | **410** |
| EW-01 | 07/10/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **6.1** | **1.5** | **580** | < 0.50 | **2.1** | < 0.50 | **3.2** | **1.3** | < 0.50 | **340** |
| EW-01 | 07/15/08 | ORG | < 1.0 | < 1.0 | < 1.0 | **7.0** | **1.8** | **630** | < 1.0 | **2.3** | < 1.0 | **4.6** | **1.4** | < 1.0 | **350** |
| EW-01 | 07/16/08 | ORG | < 1.0 | < 1.0 | < 1.0 | **7.2** | **1.7** | **1,000** | < 1.0 | **1.8** | < 1.0 | **3.9** | **1.9** | < 1.0 | **320** |
| EW-01 | 07/23/08 | ORG | < 1.0 | < 1.0 | < 1.0 | **5.2** | **1.2** | **520** | < 1.0 | **2.3** | < 1.0 | **2.6** | **1.2** | < 1.0 | **190** |
| EW-01 | 07/30/08 | ORG | < 1.0 | < 1.0 | < 1.0 | **5.5** | **1.1** | **360** | < 1.0 | **1.2** | < 1.0 | **2.6** | **1.0** | < 1.0 | **200** |
| EW-01 | 08/06/08 | ORG | < 1.0 | < 1.0 | < 1.0 | **4.2** | < 1.0 | **340** | < 1.0 | < 1.0 | < 1.0 | **2.0** | < 1.0 | < 1.0 | **190** |
| EW-01 | 08/25/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **3.0** | **0.62** | **230** | < 0.50 | **0.84** | < 0.50 | **1.5** | **0.65** | < 0.50 | **130** |
| EW-01 | 09/24/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.4** | **0.57** | **180** | < 0.50 | **0.94** | < 0.50 | **1.2** | **1.3** | < 0.50 | **74** |
| EW-01 | 10/22/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.7** | **0.5** | **200** | < 0.50 | **0.66** | < 0.50 | **1.2** | **0.54** | < 0.50 | **120** |
| EW-01 | 11/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.9** | **0.65** | **190** | < 0.50 | **0.63** | < 0.50 | **1.5** | **0.51** | < 0.50 | **110** |
| EW-01 | 02/25/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **4.8** | **0.93** | **360** | < 0.50 | < 0.50 | < 0.50 | **3.0** | **1** | < 0.50 | **160** |
| EW-01 | 03/18/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.8** | < 0.50 | **160** | < 0.50 | < 0.50 | < 0.50 | **1.2** | < 0.50 | < 0.50 | **70** |
| EW-01 | 04/29/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.6** | < 0.50 | **150** | < 0.50 | **0.60** | < 0.50 | **0.86** | < 0.50 | < 0.50 | **80** |
| EW-01 | 05/27/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **3.4** | **0.76** | **320** | < 0.50 | **0.79** | < 0.50 | **1.5** | **0.90** | < 0.50 | **150** |
| EW-01 | 06/29/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.2** | **0.53** | **200** | < 0.50 | **0.76** | < 0.50 | **1.2** | **0.58** | < 0.50 | **120** |
| EW-01 | 07/22/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **3.2** | **0.64** | **260** | < 0.50 | **0.66** | < 0.50 | **1.3** | **0.62** | < 0.50 | **120** |
| EW-01 | 08/14/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.2** | < 0.50 | **190** | < 0.50 | < 0.50 | < 0.50 | **0.98** | < 0.50 | < 0.50 | **81** |
| EW-01 | 09/11/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **3.1** | **0.70** | **280** | < 0.50 | **0.66** | < 0.50 | **1.3** | **0.60** | < 0.50 | **120** |
| EW-01 | 10/08/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **2.0** | < 0.50 | **150** | < 0.50 | < 0.50 | < 0.50 | **0.92** | < 0.50 | < 0.50 | **87** |
| EW-01 | 12/09/09 | ORG | < 0.50 | < 0.50 | **0.65** | **9.2** | **2.1** | **720** | < 0.50 | **2.0** | < 0.50 | **5.1** | **1.7** | < 0.50 | **490** |
| EW-01 | 03/05/10 | ORG | < 1.0 | < 1.0 | < 1.0 | **6.7** | **1.6** | **500** | < 1.0 | **1.9** | < 1.0 | **3.2** | **1.6** | < 1.0 | **370** |
| EW-01 | 06/11/10 | ORG | < 1.0 | < 1.0 | < 1.0 | **9.7** | **1.9** | **720** | < 1.0 | **1.9** | < 1.0 | **4.7** | **1.6** | < 1.0 | **400** |
| EW-01 | 09/08/10 | ORG | < 1.0 | < 1.0 | < 1.0 | **10** | **2.4** | **720** | < 1.0 | **2.0** | < 1.0 | **4.7** | **2.0** | < 1.0 | **370** |
| **EW-01 Historical Range** | | | < 0.50 - 2 | < 0.50 - 0.55 | < 0.50 - 1.2 | < 0.50 - 16 | < 0.50 - 4.2 | < 0.50 - 1,600 E | < 0.50 - 1.1 | < 0.50 - 3.4 | < 0.50 - < 5.0 | < 0.50 - 10 | < 0.50 - 3 | < 0.50 - < 5.0 | 5.1 - 800 |
| EW-02 | 10/30/09 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.70** | < 0.50 | **52** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **24** |
| EW-200 | 10/30/09 | FD | < 0.50 | < 0.50 | < 0.50 | **0.73** | < 0.50 | **55** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **23** |
| EW-02 | 03/22/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.92** | < 0.50 | **82** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **22** |
| EW-02 | 03/23/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.94** | < 0.50 | **82** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **24** |
| EW-02 | 03/24/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.85** | < 0.50 | **74** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **25** |
| EW-02 | 03/25/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.79** | < 0.50 | **70** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **22** |
| EW-02 | 03/26/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.83** | < 0.50 | **76** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **19** |
| EW-02 | 04/01/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.88** | < 0.50 | **81** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **29** |
| EW-02 | 04/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.90** | < 0.50 | **85** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **31** |
| EW-02 | 04/13/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 0.50 | **120** | < 0.50 | < 0.50 | < 0.50 | **0.59** | < 0.50 | < 0.50 | **43** |
| EW-02 | 04/23/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.0** | < 0.50 | **91** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **35** |
| EW-02 | 05/25/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.1** | < 0.50 | **100** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **38** |
| EW-02 | 06/10/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 0.50 | **120** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | **40** |
| EW-02 | 07/08/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.5** | < 0.50 | **160** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **48** |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Regional Groundwater System Monitor and Extraction Wells (cont'd) | | | | | | | | | | | | | | | |
| EW-02 | 08/02/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.3** | < 0.50 | **150** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **42** |
| EW-02 | 09/02/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **1.4** | < 0.50 | **160** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **42** |
| **Historical High/Low** | | | | | | **HIGH** | | **HIGH** | | | | | | | **HIGH** |
| **EW-02 Historical Range** | | | < 0.50 | < 0.50 | < 0.50 | < 0.50 - 1.4 | < 0.50 | 52 - 120 | < 0.50 | < 0.50 | < 0.50 | < 0.50 - 0.59 | < 0.50 | < 0.50 | 19 - 43 |
| Perched Zone Piezometers | | | | | | | | | | | | | | | |
| P-07 | 06/23/97 | ORG | < 1.0 | **14** | **8.3** | **154** | < 1.0 | **23,300** | **5.1** | **52** | **1,400** | **22** | **39** | < 1.0 | NA |
| P-07 | 08/16/99 | ORG | < 1,000 | < 1,000 | < 1,000 | < 1,000 | < 1,000 | **22,600** | < 1,000 | < 1,000 | **1,180** | < 1,000 | < 1,000 | < 1,000 | NA |
| P-07 | 01/26/00 | ORG | **6** | < 5.0 | < 5.0 | **64** | < 5.0 | **4,730** | < 5.0 | **17** | **270** | **17** | **17** | < 5.0 | NA |
| P-07 | 05/18/00 | ORG | **12** | **7.7** | **5.8** | **98** | **17** | **13,000** | < 5.0 | **36** | **355** | **25** | **37** | < 5.0 | NA |
| P-07 | 05/10/01 | ORG | **3 J** | **2 J** | **3 J** | **44** | **11** | **4,100** | < 5.0 | **12** | **54** | **14** | **34** | < 5.0 | **2,020** |
| P-07 | 10/24/01 | ORG | < 25 | < 25 | < 25 | < 25 | < 25 | **930** | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 | **1,560** |
| P-07 | 04/18/02 | ORG | < 5.0 | < 5.0 | < 5.0 | **23** | **7** | **2,200** | < 5.0 | **6** | **14** | **7.7** | **9.3** | < 5.0 | **2,200 J** |
| P-07 | 04/18/02 | SPT | **0.9** | **1.1** | **2.1** | **27.2** | **7.1** | **1,360** | **0.9** | **5.4** | **13** | **6.8** | **9.8** | **2.1** | **1,960** |
| P-07 | 11/21/02 | ORG | **0.82** | < 0.50 | **2.1** | **24** | **7.4** | **1,900** | **1.2** | **7.7** | < 0.50 | **8.0** | **12** | **3.8** | **2,800** |
| P-07 | 06/11/03 | ORG | **0.84** | < 0.50 | **1.9** | **25** | **7.0** | **1,600** | **0.98** | **7.3** | **7.6** | **7.6** | **10** | **3.8** | **3,100** |
| P-07 | 09/25/03 | ORG | **0.57** | < 0.50 | **1.9** | **17** | < 0.50 | **890** | **0.75** | **3.5** | **3.2** | **7.1** | **5.8** | **1.8** | **1,300** |
| P-07 | 12/17/03 | ORG | **0.68** | **1** | **1.8** | **25** | **6.8** | **1,400** | **1.1** | **6.1** | **6.5** | **7.3** | **9.6** | **1.3** | **990** |
| P-07 | 03/31/04 | ORG | < 5.0 | < 5.0 | < 5.0 | **26** | < 5.0 | **2,100** | < 5.0 | **7.8** | **6.7** | **6.0** | **11** | < 5.0 | **920** |
| P-07 | 06/17/04 | ORG | < 5.0 | < 5.0 | < 5.0 | **23** | < 5.0 | **1,600** | < 5.0 | < 5.0 | < 5.0 | **7.0** | **7.9** | < 5.0 | **990** |
| P-07 | 12/15/04 | ORG | < 5.0 | < 5.0 | **0.72** | **8.3** | **3.4** | **640** | < 5.0 | **1.9** | < 0.50 | **3.3** | **3.1** | < 5.0 | **360** |
| P-07 | 03/23/06 | ORG | **1.3** | **3.4** | **3.7** | **45** | **10** | **3,900** | **1.8** | **12** | < 0.50 | **6.7** | **16** | **3.4** | **2,100** |
| P-07 | 03/23/06 | SPT | < 3 | < 3 | < 3 | **30** | < 3 | **3,200** | < 3 | < 3 | < 3 | < 3 | < 3 | < 3 | **1,900 J** |
| P-07 | 06/22/06 | ORG | < 5.0 | < 5.0 | < 5.0 | **32** | **8.7** | **4,200** | < 5.0 | **14** | < 5.0 | **6.0** | **18** | < 5.0 | **1,400** |
| P-07 | 06/22/06 | SPT | < 20 | < 20 | < 20 | **30** | < 20 | **3,100** | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | **NA** |
| P-07 | 09/28/06 | ORG | < 5.0 | < 5.0 | < 5.0 | **44** | < 5.0 | **5,300** | < 5.0 | **12** | < 5.0 | **6.1** | **17** | < 5.0 | **2,300** |
| P-07 | 12/19/06 | ORG | < 1.0 | < 1.0 | < 1.0 | **38** | < 1.0 | **3,600** | < 1.0 | **13** | < 1.0 | < 1.0 | **13** | < 1.0 | **2,300** |
| P-07 | 03/13/07 | ORG | **1.1** | **2.4** | **2.8** | **31** | **8** | **3,100** | **1.7** | **10** | < 0.50 | **7.2** | **13** | **2.4** | **2,300** |
| P-07 | 03/19/08 | ORG | < 2.5 | < 2.5 | **3.9** | **31** | **8.4** | **3,200** | < 2.5 | **8.4** | < 2.5 | **7.0** | **11** | **5.2** | **2,300** |
| P-07 | 06/27/08 | ORG | **0.95** | **2.6** | **3.8 U** | **36** | **11** | **4,500** | **1.9** | **9.4** | < 0.50 | **9.3** | **15** | **10** | **2,500** |
| P-07 | 09/25/08 | ORG | < 5.0 | < 5.0 | < 5.0 | **30** | **6.8** | **3,000** | < 5.0 | **7.9** | < 5.0 | **7.1** | **17** | **17** | **2,500 B** |
| P-07 | 12/18/08 | ORG | < 5.0 | < 5.0 | < 5.0 | **30** | **8.0** | **2,800** | < 5.0 | **6.8** | < 5.0 | **8.2** | **8.4** | < 5.0 | **2,600** |
| P-07 | 03/17/09 | ORG | < 10 | < 10 | < 10 | **40** | < 10 | **3,500** | < 10 | < 10 | < 10 | **12** | **14** | < 10 | **2,600** |
| P-07 | 06/25/09 | ORG | < 10 | < 10 | < 10 | **29** | < 10 | **3,100** | < 10 | < 10 | < 10 | **11** | **10** | < 10 | **2,900** |
| P-07 | 09/01/09 | ORG | < 5.0 | < 5.0 | < 5.0 | **27** | **7.0** | **2,500** | < 5.0 | **7.4** | < 5.0 | **8.7** | **10** | < 5.0 | **2,600** |
| P-07 | 12/10/09 | ORG | < 5.0 | < 5.0 | < 5.0 | **37** | **8.8** | **3,300** | < 5.0 | **9.7** | < 5.0 | **11** | **11** | < 5.0 | **2,800** |
| P-07 | 03/03/10 | ORG | < 5.0 | < 5.0 | < 5.0 | **35** | **9.8** | **3,500** | < 5.0 | **9.9** | < 5.0 | **14** | **12** | < 5.0 | **3,100** |
| P-07 | 06/11/10 | ORG | < 5.0 | < 5.0 | < 5.0 | **33** | **7.4** | **2,400** | < 5.0 | **5.6** | < 5.0 | **12** | **9.7** | < 5.0 | **2,500** |
| P-07 | 09/10/10 | ORG | < 5.0 | < 5.0 | < 5.0 | **28** | **7.1** | **1,900** | < 5.0 | **6.7** | < 5.0 | **7.8** | **13** | < 5.0 | **2,500** |
| **P-07 Historical Range** | | | 0.57 - 12 | 1 - 14 | 0.72 - 8.3 | 8.3 - 154 | < 0.50 - 17 | 640 - 23,300 | 0.75 - 5.1 | 1.9 - 52 | < 0.50 - 1,400 | <1.0 - 25 | < 3 - 39 | < 1.0 - 17 | 360 - 3,100 |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| Perched Zone Piezometers (continued) | | | | | | | | | | | | | | | |
| P-09 | 09/25/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.8** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 10/08/03 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.87** | < 0.50 | **67** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 12/18/03 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **32** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 03/30/04 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.76** | < 0.50 | **130** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 06/17/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-900 | 06/17/04 | FD | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.2 |
| P-09 | 06/17/04 | SPT | < 1 | < 1 | < 1 | < 1 | < 1 | **2** | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1.0 |
| P-09 | 09/21/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.1 |
| P-09 | 12/15/04 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.2 |
| P-09 | 03/16/05 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.65** | < 0.50 | **88** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.2 |
| P-09 | 06/24/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **43 E** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **0.58** | < 0.50 | < 2.0 |
| P-09 | 09/22/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **25** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 12/20/05 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **27** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.2 |
| P-09 | 12/20/05 | SPT | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **29** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3** |
| P-09 | 03/22/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **8.5** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.8** |
| P-09 | 06/21/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **20** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 09/28/06 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **19** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.2 |
| P-09 | 12/18/06 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.53** | < 0.50 | **37** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 03/13/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **14** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 06/21/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 09/26/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 12/12/07 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **1.2** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 03/18/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.3** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 06/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **3.9** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 09/26/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **2.6** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 12/16/08 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **17** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 03/17/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **7.9** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **7.1** |
| P-09 | 06/25/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **12** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.7 |
| P-09 | 09/01/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **6** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| Perched Zone Piezometers (continued) | | | | | | | | | | | | | | | |
| P-09 | 12/08/09 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **18** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.5 |
| P-09 | 03/02/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **4.0** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 06/10/10 | ORG | < 0.50 | < 0.50 | < 0.50 | **0.51** | < 0.50 | **30** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| P-09 | 09/09/10 | ORG | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | **13** | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| **P-09 Historical Range** | | | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - 0.87 | < 0.50 - < 1 | 1.2 - 130 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - < 1 | < 0.50 - 0.58 | < 0.50 - < 1 | < 2.0 - 7.1 |
| Perched Zone Grab Samples (From Regional Groundwater System Monitor Well Boring) | | | | | | | | | | | | | | | |
| MW-6-W-104 | 01/16/97 | ORG | < 1.0 | **12** | **33** | **500** | < 1.0 | **19,000** | **24** | **89** | **2,800** | **223** | **73** | < 1.0 | NA |
| MW-9-113-PW | 03/21/97 | ORG | < 1.0 | **10** | **15** | **210** | < 1.0 | **27,300** | **8.2** | **65** | **4,500** | **120** | **48** | < 1.0 | NA |

## TABLE 4

## PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

| | | | VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) | | | | | | | | | | | | Semi-VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Identifier | Date Sampled | QA Code | Benzene (5/1) | Carbon Tetrachloride (5/0.5) | Chloroform (80/80) | 1,1-DCA (--/5) | 1,2-DCA (--/--) | 1,1-DCE (7/6) | cis-1,2-DCE (70/6) | PCE (5/5) | 1,1,1-TCA (200/200) | 1,1,2-TCA (5/5) | TCE (5/5) | TCFM (--/150) | 1,4-DIOXANE (--/--) |
| QUALITY ASSURANCE/QUALITY CONTROL SAMPLES - THIRD QUARTER 2010 | | | | | | | | | | | | | | | |
| RB-090810 | 9/8/2010 | RB | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| RB-090910 | 9/9/2010 | RB | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 2.0 |
| TB-090710 | 9/7/2010 | TB | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| TB-090810 | 9/8/2010 | TB | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| TB-090910 | 9/9/2010 | TB | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| TB-091010 | 9/10/2010 | TB | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | NA |
| TB-090910A | 9/9/2010 | TB, SPT | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA |

NOTE: Detections are shown in **BOLD** type.

FOOTNOTES

[a] Reconnaissance groundwater sample; results should be considered qualitative

[b] Groundwater sample collected after purging two additional casing volumes

1,1-DCA = 1,1-Dichloroethane
1,2-DCA = 1,2-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
PCE = Tetrachloroethene
1,1,1-TCA = 1,1,1-Trichloroethane
1,1,2-TCA = 1,1,2-Trichloroethane
TCE = Trichloroethene
TCFM = Trichlorofluoromethane
(< ) = Less than; the value is the Limit of Detection for that compound
Semi-VOCs = Semivolatile organic compounds

Semi-VOCs = Semivolatile organic compounds
E = Data qualified as Estimated in accordance with quality control criteria.
NA = Not analyzed for constituent
FD = Field duplicate sample
J = Data qualified as Estimated; does not meet calibration range acceptance criteria.
ORG = Original sample
QA = Quality Assurance
RB = Rinsate blank sample
SPT = Split sample
TB = Trip blank sample
U = Data qualified as Unusable because quality control criteria were not met.
ug/l = Micrograms per liter
MCL = Maximum contaminant level

HARGIS + ASSOCIATES, INC.

## TABLE 5

## OTHER VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

| WELL IDENTIFIER | DATE SAMPLED | QUALITY ASSURANCE CODE | COMPOUNDS | CONCENTRATION (micrograms per liter) |
|---|---|---|---|---|
| Regional Groundwater System Monitor and Extraction Wells | | | | |
| EW-01 | 12/11/2006 | SPT | Methylene chloride | 4 |
| EW-01 | 12/11/2006 | SPT | Toluene | 0.5 U |
| EW-01 | 12/13/2007 | ORG | Vinyl chloride | 0.58 |
| EW-01 | 12/13/2007 | FD | Vinyl chloride | 0.6 |
| EW-01 | 6/25/2008 | ORG | Toluene | 4.6 |
| EW-01 | 6/25/2008 | FD | Toluene | 2.8 |
| EW-02 | 10/30/2009 | ORG | Toluene | 0.85 |
| EW-02 | 10/30/2009 | FD | Toluene | 0.78 |
| MW-08 | 12/20/2005 | SPT | Methylene chloride | 3 |
| MW-08 | 6/22/2006 | ORG | Methylene chloride | 0.62 |
| MW-08 | 6/22/2006 | FD | Methylene chloride | 0.69 |
| MW-08 | 3/18/2008 | SPT | Trichlorotrifluoromethane | 0.6 |
| MW-16 | 4/16/2002 | SPT | 2-butanone | 7 |
| MW-16 | 4/16/2002 | SPT | Acetone | 20 |
| MW-16 | 6/18/2004 | ORG | Chlorobenzene | 1.0 |
| MW-16 | 12/10/2004 | ORG | Methylene chloride | 1.3 |
| MW-18 | 11/19/2002 | ORG | m,p-Xylene | 0.54 |
| MW-21 | 9/23/2003 | FD | 1,3-Dichloropropane | 0.8 |
| MW-21 | 12/17/2003 | ORG | trans-1,2-Dichloroethylene | 0.62 |
| MW-21 | 3/17/2005 | ORG | trans-1,2-Dichloroethylene | 0.57 |
| MW-21 | 12/11/2006 | SPT | Acetone | 40 |
| MW-21 | 12/11/2006 | SPT | Methylene chloride | 50 E |
| MW-26C | 12/20/2007 | ORG | 1,1-dichloropropene | 0.93 |
| MW-26C | 9/8/2010 | ORG | Toluene | 3.7 |
| MW-28 | 5/27/2008 | ORG | Vinyl chloride | 0.58 |
| MW-33 | 7/16/2010 | SPT | Toluene | 1 |
| MW-33 | 7/16/2010 | ORG | Toluene | 1.4 |
| MW-33 | 7/16/2010 | FD | Toluene | 1.1 |
| MW-33 | 7/30/2010 | ORG | Toluene | 0.61 |
| MW-33 | 9/9/2010 | ORG | Toluene | 0.65 |
| MW-33 | 9/9/2010 | FD | Toluene | 0.55 |

## TABLE 5

## OTHER VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

| WELL IDENTIFIER | DATE SAMPLED | QUALITY ASSURANCE CODE | COMPOUNDS | CONCENTRATION (micrograms per liter) |
|---|---|---|---|---|
| Perched Zone Piezometers | | | | |
| P-07 | 6/22/2006 | ORG | Methylene chloride | 7.4 |
| P-07 | 3/13/2007 | ORG | Vinyl chloride | 1.2 |
| P-07 | 6/27/2008 | ORG | Vinyl chloride | 1.8 |
| P-07 | 9/25/2008 | ORG | Vinyl chloride | 7.8 |
| P-09 | 12/20/2005 | SPT | Methylene chloride | 3 U |
| Perched Zone Grab Samples (From Regional Groundwater System Monitor Well Boring) | | | | |
| MW-6-W-104 | 1/16/1997 | ORG | 1,1,1,2-tetrachloroethane | 1.6 |
| MW-6-W-104 | 1/16/1997 | ORG | 1,2-Dichloropropane | 2.1 |
| MW-9-113-PW | 3/21/1997 | ORG | Trichlorotrifluoromethane | 11 |

FOOTNOTES

E = Estimated
FD = Field duplicate sample
ORG = Original sample
QA/QC = Quality assurance/quality control
SPT = Split sample
U = Unusable

## TABLE 6

## GROUNDWATER EXTRACTION AND TREATMENT SYSTEM OPERATIONAL SUMMARY

| OPERATIONAL PERIOD (MONTH/QUARTER/YEAR) | WELLFIELD PRODUCTION[a] (gallons) | AVERAGE DISCHARGE RATE[b] (gpm) | AVERAGE OPERATIONAL DISCHARGE RATE[c] (gpm) | OPERATIONAL HOURS DURING OPERATIONAL PERIOD | HOURS IN OPERATIONAL PERIOD | % OPERATIONAL |
|---|---|---|---|---|---|---|
| **2008[d]** | 3,659,562 | 13.8 | 18.2 | 3,358 | 4,416 | 76% |
| **2009** | 5,787,848 | 11.0 | 18.1 | 5,319 | 8,760 | 61% |
| Jan-10 | 4,818 | 0.1 | 20.1 | 4 | 744 | 1% |
| Feb-10 | 3,179 | 0.1 | 17.7 | 3 | 672 | 0% |
| Mar-10 | 313,960 | 7.0 | 48.5 | 108 | 744 | 15% |
| **1Q2010** | 321,957 | 2.5 | 46.7 | 115 | 2,160 | 5% |
| Apr-10 | 1,637,205 | 37.9 | 45.7 | 597 | 720 | 83% |
| May-10 | 980,942 | 22.0 | 48.3 | 338 | 744 | 45% |
| Jun-10 | 1,975,166 | 45.7 | 46.4 | 709 | 720 | 98% |
| **2Q2010** | 4,593,314 | 35.1 | 46.5 | 1,645 | 2,184 | 75% |
| Jul-10 | 1,838,070 | 41.2 | 47.6 | 644 | 744 | 86% |
| Aug-10 | 1,908,770 | 42.8 | 47.3 | 673 | 744 | 90% |
| Sep-10 | 1,668,469 | 38.6 | 47.0 | 592 | 720 | 82% |
| **3Q2010** | 5,415,309 | 40.9 | 47.3 | 1,909 | 2,208 | 86% |
| **SINCE INCEPTION** | 19,777,990 | 16.7 | 26.7 | 12,346 | 19,728 | 63% |

Notes:

(a) Based on Effluent totalizer readings from CEFF.

(b) Total volume of water treated during the operational period divided by the total number of minutes in that operational period.

(c) Total volume of water treated during the operational period divided by the minutes of operation in that operational period.

(d) Operational period beginning 7/1/2008 (first month of system operation).

gpm = gallons per minute

Refer to previous quarterly reports for detail of 2008 thru 2009 operational summary

Treatment of groundwater from EW-02 initiated in 2010

**TABLE 7**

**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLING SCHEDULE**

| COMPOUND(S) / CONSITITUENT | ANALYTICAL METHOD | SAMPLE CONTAINER | REPORTING DETECTION LIMITS (milligrams per liter) | SAMPLE FREQUENCY AND LOCATION: Daily Samples[1]: Days 1-5 — Extraction Well head (EW-02)[2] | Post-Filter (PF) | Post-Oxidation (POX) | Carbon Breakthrough (CBT) | Post-Carbon (CEFF) | Weekly Samples[1]: Weeks 1-4 — Extraction Well head (EW-02)[2] | Post-Filter (PF) | Post-Oxidation (POX) | Carbon Breakthrough (CBT) | Post-Carbon (CEFF) | Monthly Samples: Week 5+ — Extraction Well head (EW-02)[2] | Post-Filter (PF) | Post-Oxidation (POX) | Carbon Breakthrough (CBT) | Post-Carbon (CEFF) | Quarterly Samples: Week 1+ — Extraction Well head (EW-02)[2] | Post-Oxidation (POX) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **COMPOUNDS/CONSTITUENTS NORMALLY REQUIRED AS PART OF NPDES OR WDR PERMITS, PURSUANT TO CRWQCB REGION 8 ORDER NO. R8-2003-0085** | | | | | | | | | | | | | | | | | | | | |
| Volatile Organic Compounds | 8260B | QAPP[4] | QAPP[4] | X | | X | X | X | X | | X | X | X | X | | X | X | X | | |
| 1,4-Dioxane | 8270 Modified | QAPP[4] | QAPP[4] | X | | X | | | X | | X | | | X | | X | | | | |
| Total Suspended Solids | 160.2 | 8-oz poly | 10 | (a) | (a) | | | | | | | | | X | X | | | | | |
| Total Dissolved Solids | 160.1 | QAPP[4] | QAPP[4] | (a) | | | | | | | | | | X | | X | | X | | |
| **SELECTED METALS** | | | | | | | | | | | | | | | | | | | | |
| Iron, Manganese, Calcium, Sodium, Magnesium | 6010B | QAPP[4] | QAPP[4] | (a) | | | | | | | | | | | | | | | X | |
| Selenium | 6010B | QAPP[4] | QAPP[4] | | | | | | | | | | | | | | | | X | |
| **SELECTED INORGANIC CONSTITUENTS** | | | | | | | | | | | | | | | | | | | | |
| Hydroxide Alkalinity | 310.1 | QAPP[4] | QAPP[4] | (a) | | | | | | | | | | | | | | | X | |
| Bicarbonate Alkalinity | 310.1 | QAPP[4] | QAPP[4] | (a) | | | | | | | | | | | | | | | X | |
| Carbonate Alkalinity | 310.1 | QAPP[4] | QAPP[4] | (a) | | | | | | | | | | | | | | | X | |
| Total Alkalinity | 310.1 | QAPP[4] | QAPP[4] | (a) | | | | | | | | | | | | | | | X | |
| **BROMATE EVALUATION** | | | | | | | | | | | | | | | | | | | | |
| Bromate | 317 | 125-ml poly | 0.0005 | X | | X | | X | X | | X | | X | X | | X | | X | | |
| Bromide | 300 | 8-oz poly | 0.05 | X | | X | | X | X | | X | | X | X | | X | | X | | |
| **OTHER CONSTITUENTS/COMPOUNDS** | | | | | | | | | | | | | | | | | | | | |
| Total Organic Carbon | 9060 | 60 ml poly, H2SO4 | 3 | (a) | | | | | | | | | | | | | | | X | X |
| Chloride, Sulfate, Nitrate, Nitrite, and Phosphate | 300 | 1-Liter Poly | Varies 1 to 3 | (a) | | | | | | | | | | | | | | | X | X |
| Chemical Oxygen Demand | 410.4 | 1-L glass, HCl | 5 | (a) | | | | | | | | | | | | | | | X | X |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | | |
| Dissolve Oxygen (DO) | N/A | N/A | N/A | X | | X | | X | X | | X | | X | X | | X | X | X | | |
| Electrical Conductance (EC) | N/A | N/A | N/A | X | | X | | X | X | | X | | X | X | | X | X | X | | |
| Redox Potential | N/A | N/A | N/A | X | | X | | X | X | | X | | X | X | | X | X | X | | |
| Temperature | N/A | N/A | N/A | X | | X | X | X | X | | X | X | X | X | | X | X | X | | |
| pH | N/A | N/A | N/A | X | | X | | X | X | | X | | X | X | | X | X | X | | |
| Turbidity | N/A | N/A | N/A | X | X | | | | X | X | | | | X | X | | | | | |
| Flow-Meter | N/A | N/A | N/A | X | | | | X | X | | | | X | X | | | | X | | |

FOOTNOTES

(a) Only one sample to be collected during sampling period.

1. Daily and weekly samples collected during the first month of operation will be repeated after major modifications to system equipment or operating parameters, as detailed in the Workplan.
2. If more than one extraction well is in operation, combined influent samples will be collected in addition to extraction wellhead samples, with the same sampling schedule as the extraction wellheads
3. Carbon breakthrough will be collected from the effluent of the first carbon unit in series; when breakthrough of the first unit is detected, the breakthrough sample will be collected from the effluent of the second carbon unit in series.
4. QAPP, Quality Assurance Project Plan, Appendix B of Additional Groundwater Assessment Workplan, Hargis + Associates, Inc., April 25, 2003.

CRWQCB = California Regional Water Quality Control Board, Santa Ana Region
NPDES = National Pollutant Discharge Elimination System
WDR = Waste Discharge Requirement

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2-Trichloroethane | 07/08/08 | ug/L | 16 | 5.5 | -- | 10 | -- | 8.1 | < 0.50 | < 0.50 |
| (5 ug/L MCL) | 07/09/08 | ug/L | 17 | 5.0 | -- | 10 | -- | 7.8 | < 0.50 | < 0.50 |
| | 07/10/08 | ug/L | 13 | 3.2 | -- | 7.8 | -- | 5.1 | < 0.50 | < 0.50 |
| | 07/15/08 | ug/L | 13 | 4.6 | -- | 7.4 | 3.9 | 5.4 | < 0.50 | < 0.50 |
| | 07/16/08 | ug/L | 14 | 3.9 | -- | 8.8 | -- | 5.7 | < 0.50 | < 0.50 |
| | 07/23/08 | ug/L | 13 | 2.6 | -- | < 5.0 | -- | 4.5 | < 0.50 | < 0.50 |
| | 07/30/08 | ug/L | 10 | 2.6 | -- | < 5.0 | -- | 4.4 | < 0.50 | < 0.50 |
| | 08/06/08 | ug/L | 7.7 | 2.0 | -- | < 5.0 | -- | 4.6 | < 0.50 | < 0.50 |
| | 08/25/08 | ug/L | 6.3 | 1.5 | -- | 3.2 | -- | 2.8 | < 0.50 | < 0.50 |
| | 09/24/08 | ug/L | 4.8 | 1.2 | -- | < 2.5 | -- | 1.8 | < 0.50 | < 0.50 |
| | 10/22/08 | ug/L | 3.0 | 1.2 | -- | 2.3 | -- | 1.5 | < 0.50 | < 0.50 |
| | 11/26/08 | ug/L | 2.5 | 1.5 | -- | 2.3 | -- | 1.7 | < 0.50 | < 0.50 |
| | 02/25/09 | ug/L | < 2.5 | 3.0 | -- | 2.3 | -- | 1.9 | < 0.50 | < 0.50 |
| | 3/18/2009 | ug/L | 2.5 | 1.2 | -- | 1.3 | -- | 1.3 | < 0.50 | < 0.50 |
| | 4/29/2009 | ug/L | < 2.5 | 0.86 | -- | 1.5 | -- | 1.0 | < 0.50 | < 0.50 |
| | 5/27/2009 | ug/L | < 2.5 | 1.5 | -- | 1.6 | -- | 1.4 | < 0.50 | < 0.50 |
| | 6/29/2009 | ug/L | 2.1 | 1.2 | -- | 1.6 | -- | 1.2 | < 0.50 | < 0.50 |
| | 07/22/09 | ug/L | 1.9 | 1.3 | -- | 1.6 | -- | 1.2 | < 0.50 | < 0.50 |
| | 08/14/09 | ug/L | < 2.5 | 0.98 | -- | 1.6 | -- | 0.97 | < 0.50 | < 0.50 |
| | 09/11/09 | ug/L | < 2.5 | 1.3 | -- | 1.7 | -- | 1.0 | < 0.50 | < 0.50 |
| | 10/08/09 | ug/L | < 2.5 | 0.92 | -- | 1.5 | -- | 1.2 | < 0.50 | < 0.50 |
| | 12/09/09 | ug/L | < 0.50 | 5.1 | -- | 2.5 | -- | 1.7 | < 0.50 | < 0.50 |
| | 03/05/10 | ug/L | <1.0 | 3.2 | -- | -- | -- | -- | -- | -- |
| | 03/22/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/23/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/24/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/25/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/26/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/01/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/09/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/13/10 | ug/L | -- | -- | 0.59 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/23/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 05/25/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/10/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/11/10 | ug/L | < 2.0 | 4.7 | -- | -- | -- | -- | -- | -- |
| | 07/08/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/02/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/02/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/08/10 | ug/L | < 2.0 | < 1.0 | -- | -- | -- | -- | -- | -- |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 07/08/08 | ug/L | 47 | 8.5 | -- | 23 | -- | 17 | < 0.50 | < 0.50 |
| (5 ug/L MCL) | 07/09/08 | ug/L | 54 | 9.2 | -- | 29 | -- | 18 | < 0.50 | < 0.50 |
| | 07/10/08 | ug/L | 38 | 6.1 | -- | 21 | -- | 11 | < 0.50 | < 0.50 |
| | 07/15/08 | ug/L | 42 | 7.0 | -- | 22 | 7.0 | 11 | < 0.50 | < 0.50 |
| | 07/16/08 | ug/L | 47 | 7.2 | -- | 28 | -- | 14 | < 0.50 | < 0.50 |
| | 07/23/08 | ug/L | 40 | 5.2 | -- | 23 | -- | 9.0 | < 0.50 | < 0.50 |
| | 07/30/08 | ug/L | 41 | 5.5 | -- | 18 | -- | 9.9 | < 0.50 | < 0.50 |
| | 08/06/08 | ug/L | 32 | 4.2 | -- | 17 | -- | 14 | < 0.50 | < 0.50 |
| | 08/25/08 | ug/L | 21 | 3.0 | -- | 11 | -- | 6.4 | < 0.50 | < 0.50 |
| | 09/24/08 | ug/L | 15 | 2.4 | -- | 8.0 | -- | 3.5 | < 0.50 | < 0.50 |
| | 10/22/08 | ug/L | 13 | 2.7 | -- | 8.1 | -- | 4.5 | < 0.50 | < 0.50 |
| | 11/26/08 | ug/L | 11 | 2.9 | -- | 8.3 | -- | 4.5 | 0.75 | < 0.50 |
| | 02/25/09 | ug/L | 6.6 | 4.8 | -- | 5.7 | -- | 3.7 | 1.1 | < 0.50 |
| | 3/18/2009 | ug/L | 7.7 | 1.8 | -- | 4.4 | -- | 2.8 | 2.2 | < 0.50 |
| | 4/29/2009 | ug/L | 7.8 | 1.6 | -- | 4.3 | -- | 2.3 | 2.6 | < 0.50 |
| | 5/27/2009 | ug/L | 8.4 | 3.4 | -- | 5.5 | -- | 4.0 | 4.0 | 0.6 |
| | 6/29/2009 | ug/L | 7.4 | 2.2 | -- | 4.5 | -- | 3.1 | 4.3 | 1.1 |
| | 07/22/09 | ug/L | 8.4 | 3.2 | -- | 5.8 | -- | 3.5 | 5.4 | 2.1 |
| | 08/14/09 | ug/L | 8.8 | 2.2 | -- | 5.1 | -- | 3.2 | 5.0 | 2.7 |
| | 09/11/09 | ug/L | 8.3 | 3.1 | -- | 5.8 | -- | 2.9 | 4.8 | 3.4 |
| | 10/08/09 | ug/L | 9.2 | 2.0 | -- | 5.1 | -- | 3.8 | 5.4 | 4.1 |
| | 12/09/09 | ug/L | 1.7 | 9.2 | -- | 4.9 | -- | 3.2 | 4.6 | 3.8 |
| | 03/05/10 | ug/L | 2.9 | 6.7 | -- | -- | -- | -- | -- | -- |
| | 03/22/10 | ug/L | -- | -- | 0.92 | -- | -- | 0.62 | < 0.50 | < 0.50 |
| | 03/23/10 | ug/L | -- | -- | 0.94 | -- | -- | 0.67 | < 0.50 | < 0.50 |
| | 03/24/10 | ug/L | -- | -- | 0.85 | -- | -- | 0.62 | < 0.50 | < 0.50 |
| | 03/25/10 | ug/L | -- | -- | 0.79 | -- | -- | 0.52 | < 0.50 | < 0.50 |
| | 03/26/10 | ug/L | -- | -- | 0.83 | -- | -- | 0.66 | < 0.50 | < 0.50 |
| | 04/01/10 | ug/L | -- | -- | 0.88 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/09/10 | ug/L | -- | -- | 0.90 | -- | -- | 0.77 | < 0.50 | < 0.50 |
| | 04/13/10 | ug/L | -- | -- | 1.4 | -- | -- | 0.85 | < 0.50 | < 0.50 |
| | 04/23/10 | ug/L | -- | -- | 1.0 | -- | -- | 0.80 | < 0.50 | < 0.50 |
| | 05/25/10 | ug/L | -- | -- | 1.1 | -- | -- | 0.87 | < 0.50 | < 0.50 |
| | 06/10/10 | ug/L | -- | -- | 1.4 | -- | -- | 0.99 | < 0.50 | < 0.50 |
| | 06/11/10 | ug/L | 8.6 | 9.7 | -- | -- | -- | -- | -- | -- |
| | 07/08/10 | ug/L | -- | -- | 1.5 | -- | -- | 1.2 | 0.59 | < 0.50 |
| | 08/02/10 | ug/L | -- | -- | 1.3 | -- | -- | 1.0 | 0.82 | < 0.50 |
| | 09/02/10 | ug/L | -- | -- | 1.4 | -- | -- | 1.0 | 0.98 | 0.56 |
| | 09/08/10 | ug/L | 12 | 10 | -- | -- | -- | -- | -- | -- |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 07/08/08 | ug/L | 3,500 | 720 | -- | 2,100 | -- | 46 | < 0.50 | < 0.50 |
| (6 ug/L MCL) | 07/09/08 | ug/L | 4,200 | 820 | -- | 3,000 | -- | 5.0 | 0.50 | < 0.50 |
| | 07/10/08 | ug/L | 3,800 | 580 | -- | 2,000 | -- | 0.83 | < 0.50 | < 0.50 |
| | 07/15/08 | ug/L | 3,500 | 630 | -- | 2,100 | 400 | < 0.50 | < 0.50 | < 0.50 |
| | 07/16/08 | ug/L | 4,800 | 1,000 | -- | 2,800 | -- | 0.87 | < 0.50 | < 0.50 |
| | 07/23/08 | ug/L | 3,500 | 520 | -- | 2,100 | -- | 0.73 | < 0.50 | < 0.50 |
| | 07/30/08 | ug/L | 3,400 | 360 | -- | 1,400 | -- | 1.6 | < 0.50 | < 0.50 |
| | 08/06/08 | ug/L | 1,500 | 340 | -- | 1,500 | -- | 12 | < 0.50 | < 0.50 |
| | 08/25/08 | ug/L | 1,800 | 230 | -- | 1,100 | -- | 25 | < 0.50 | < 0.50 |
| | 09/24/08 | ug/L | 1,200 | 180 | -- | 610 | -- | 0.65 | < 0.50 | < 0.50 |
| | 10/22/08 | ug/L | 1,200 | 200 | -- | 730 | -- | 11 | < 0.50 | < 0.50 |
| | 11/26/08 | ug/L | 1,100 | 190 | -- | 730 | -- | 2.5 | < 0.50 | < 0.50 |
| | 02/25/09 | ug/L | 720 | 360 | -- | 570 | -- | 2.5 | < 0.50 | < 0.50 |
| | 3/18/2009 | ug/L | 900 | 160 | -- | 460 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 4/29/2009 | ug/L | 860 | 150 | -- | 470 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 5/27/2009 | ug/L | 940 | 320 | -- | 590 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 6/29/2009 | ug/L | 860 | 200 | -- | 510 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/22/09 | ug/L | 870 | 260 | -- | 580 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/14/09 | ug/L | 900 | 190 | -- | 540 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/11/09 | ug/L | 1,100 | 280 | -- | 610 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 10/08/09 | ug/L | 830 | 150 | -- | 600 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 12/09/09 | ug/L | 200 | 720 | -- | 400 | -- | 1.8 | < 0.50 | < 0.50 |
| | 03/05/10 | ug/L | 370 | 500 | -- | -- | -- | -- | -- | -- |
| | 03/22/10 | ug/L | -- | -- | 82 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/23/10 | ug/L | -- | -- | 82 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/24/10 | ug/L | -- | -- | 74 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/25/10 | ug/L | -- | -- | 70 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/26/10 | ug/L | -- | -- | 76 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/01/10 | ug/L | -- | -- | 81 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/09/10 | ug/L | -- | -- | 85 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/13/10 | ug/L | -- | -- | 120 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/23/10 | ug/L | -- | -- | 91 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 05/25/10 | ug/L | -- | -- | 100 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/10/10 | ug/L | -- | -- | 120 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/11/10 | ug/L | 800 | 720 | -- | -- | -- | -- | -- | -- |
| | 07/08/10 | ug/L | -- | -- | 160 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/02/10 | ug/L | -- | -- | 150 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/02/10 | ug/L | -- | -- | 160 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/08/10 | ug/L | 1000 | 720 | -- | -- | -- | -- | -- | -- |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | 07/08/08 | ug/L | < 10 | < 2.5 | -- | 3.8 | -- | 2.7 | < 0.50 | < 0.50 |
| (0.5 ug/L MCL) | 07/09/08 | ug/L | < 10 | 1.9 | -- | < 5 | -- | 2.4 | < 0.50 | < 0.50 |
| | 07/10/08 | ug/L | 5.2 | 1.5 | -- | 3.1 | -- | 1.4 | < 0.50 | < 0.50 |
| | 07/15/08 | ug/L | < 5.0 | 1.8 | -- | < 5.0 | 1.4 | 1.5 | < 0.50 | < 0.50 |
| | 07/16/08 | ug/L | 5.5 | 1.7 | -- | < 5.0 | -- | 1.5 | < 0.50 | < 0.50 |
| | 07/23/08 | ug/L | < 10 | 1.2 | -- | < 5.0 | -- | 1.2 | < 0.50 | < 0.50 |
| | 07/30/08 | ug/L | < 10 | 1.1 | -- | < 5.0 | -- | 1.3 | < 0.50 | < 0.50 |
| | 08/06/08 | ug/L | < 5.0 | < 1.0 | -- | < 5.0 | -- | 2.1 | < 0.50 | < 0.50 |
| | 08/25/08 | ug/L | < 5.0 | 0.62 | -- | < 2.5 | -- | 0.79 | < 0.50 | < 0.50 |
| | 09/24/08 | ug/L | < 2.5 | 0.57 | -- | < 2.5 | -- | 0.51 | < 0.50 | < 0.50 |
| | 10/22/08 | ug/L | < 2.5 | 0.50 | -- | < 1 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 11/26/08 | ug/L | < 2.5 | 0.65 | -- | 1.0 | -- | 0.62 | < 0.50 | < 0.50 |
| | 02/25/09 | ug/L | < 2.5 | 0.93 | -- | < 1.0 | -- | 0.50 | < 0.50 | < 0.50 |
| | 3/18/2009 | ug/L | < 2.5 | < 0.50 | -- | < 1.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 4/29/2009 | ug/L | < 2.5 | < 0.50 | -- | < 1.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 5/27/2009 | ug/L | < 2.5 | 0.76 | -- | < 1.0 | -- | 0.50 | < 0.50 | < 0.50 |
| | 6/29/2009 | ug/L | 0.81 | 0.53 | -- | 0.68 | -- | 0.50 | 0.53 | < 0.50 |
| | 07/22/09 | ug/L | < 1.0 | 0.64 | -- | < 1.0 | -- | < 0.50 | 0.57 | < 0.50 |
| | 08/14/09 | ug/L | < 2.5 | < 0.50 | -- | < 1.0 | -- | < 0.50 | 0.59 | < 0.50 |
| | 09/11/09 | ug/L | < 2.5 | 0.70 | -- | < 1.0 | -- | < 0.50 | 0.62 | < 0.50 |
| | 10/08/09 | ug/L | < 2.5 | < 0.50 | -- | < 1.0 | -- | < 0.50 | 0.66 | < 0.50 |
| | 12/09/09 | ug/L | < 0.50 | 2.1 | -- | 1.1 | -- | 0.61 | 0.57 | < 0.50 |
| | 03/05/10 | ug/L | <1.0 | 1.6 | -- | -- | -- | -- | -- | -- |
| | 03/22/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/23/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/24/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/25/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/26/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/01/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/09/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/13/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/23/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 05/25/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/10/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/11/10 | ug/L | < 2.0 | 1.9 | -- | -- | -- | -- | -- | -- |
| | 07/08/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/02/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/02/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/08/10 | ug/L | < 2.0 | 2.4 | -- | -- | -- | -- | -- | -- |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | 07/08/08 | ug/L | < 10 | < 2.5 | -- | 0.95 | -- | < 0.50 | < 0.50 | < 0.50 |
| (6 ug/L MCL) | 07/09/08 | ug/L | < 10 | < 0.50 | -- | < 5 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/10/08 | ug/L | < 5.0 | < 0.50 | -- | 0.90 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/15/08 | ug/L | < 5.0 | < 1.0 | -- | < 5.0 | 0.57 | < 0.50 | < 0.50 | < 0.50 |
| | 07/16/08 | ug/L | < 5.0 | < 1.0 | -- | < 5.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/23/08 | ug/L | < 10 | < 1.0 | -- | < 5.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/30/08 | ug/L | < 10 | < 1.0 | -- | < 5.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/06/08 | ug/L | < 5.0 | < 1.0 | -- | < 5.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/25/08 | ug/L | < 5.0 | < 0.50 | -- | < 2.5 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/24/08 | ug/L | < 2.5 | < 0.50 | -- | < 2.5 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 10/22/08 | ug/L | < 2.5 | < 0.50 | -- | < 1 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 11/26/08 | ug/L | < 2.5 | < 0.50 | -- | < 1 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 02/25/09 | ug/L | < 2.5 | < 0.50 | -- | < 1.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 3/18/2009 | ug/L | < 2.5 | < 0.50 | -- | < 1.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 4/29/2009 | ug/L | < 2.5 | < 0.50 | -- | < 1.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 5/27/2009 | ug/L | < 2.5 | < 0.50 | -- | < 1.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 6/29/2009 | ug/L | 0.63 | < 0.50 | -- | < 0.5 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/22/09 | ug/L | 1.0 | < 0.50 | -- | < 1.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/14/09 | ug/L | < 2.5 | < 0.50 | -- | < 1.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/11/09 | ug/L | < 2.5 | < 0.50 | -- | < 1.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 10/08/09 | ug/L | < 2.5 | < 0.50 | -- | < 1.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 12/09/09 | ug/L | < 0.50 | < 0.50 | -- | < 1.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/05/10 | ug/L | < 1.0 | < 1.0 | | | | | | |
| | 03/22/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/23/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/24/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/25/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/26/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/01/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/09/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/13/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/23/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 05/25/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/10/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/11/10 | ug/L | < 2.0 | < 1.0 | -- | -- | -- | -- | -- | -- |
| | 07/08/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/02/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/02/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/08/10 | ug/L | < 2.0 | < 1.0 | -- | -- | -- | -- | -- | -- |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | 07/08/08 | ug/L | 11 | 2.6 | -- | 7.1 | -- | 0.84 | < 0.50 | < 0.50 |
| (5 ug/L MCL) | 07/09/08 | ug/L | 10 | 2.2 | -- | 6.6 | -- | 0.51 | < 0.50 | < 0.50 |
| | 07/10/08 | ug/L | 12 | 2.1 | -- | 6.3 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/15/08 | ug/L | 12 | 2.3 | -- | < 5.0 | 1.8 | < 0.50 | < 0.50 | < 0.50 |
| | 07/16/08 | ug/L | 10 | 1.8 | -- | < 5.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/23/08 | ug/L | < 10 | 2.3 | -- | 5.8 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/30/08 | ug/L | < 10 | 1.2 | -- | < 5.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/06/08 | ug/L | 7.0 | < 1.0 | -- | < 5.0 | -- | 0.66 | < 0.50 | < 0.50 |
| | 08/25/08 | ug/L | 5.1 | 0.84 | -- | 3.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/24/08 | ug/L | 3.4 | 0.94 | -- | < 2.5 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 10/22/08 | ug/L | 3.2 | 0.66 | -- | 2.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 11/26/08 | ug/L | 2.6 | 0.63 | -- | 1.9 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 02/25/09 | ug/L | < 2.5 | 1.1 | -- | 1.6 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 3/18/2009 | ug/L | < 2.5 | < 0.50 | -- | 1.3 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 4/29/2009 | ug/L | < 2.5 | 0.60 | -- | 1.3 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 5/27/2009 | ug/L | < 2.5 | 0.79 | -- | 1.3 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 6/29/2009 | ug/L | 2.1 | 0.76 | -- | 1.2 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/22/09 | ug/L | 1.6 | 0.66 | -- | 1.1 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/14/09 | ug/L | < 2.5 | < 0.50 | -- | 1.1 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/11/09 | ug/L | < 2.5 | 0.66 | -- | 1.2 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 10/08/09 | ug/L | < 2.5 | < 0.50 | -- | 1.1 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 12/09/09 | ug/L | < 0.50 | 2.0 | -- | 1.1 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/05/10 | ug/L | < 1.0 | 1.9 | -- | -- | -- | -- | -- | -- |
| | 03/22/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/23/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/24/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/25/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/26/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/01/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/09/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/13/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/23/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 05/25/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/10/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/11/10 | ug/L | < 2.0 | 1.9 | -- | -- | -- | -- | -- | -- |
| | 07/08/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/02/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/02/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/08/10 | ug/L | < 2.0 | 2.0 | -- | -- | -- | -- | -- | -- |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| Trichloroethene | 07/08/08 | ug/L | 26 | < 2.5 | -- | 13 | -- | 0.57 | < 0.50 | < 0.50 |
| (5 ug/L MCL) | 07/09/08 | ug/L | 25 | 1.9 | -- | 15 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/10/08 | ug/L | 23 | 1.3 | -- | 12 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/15/08 | ug/L | 30 | 1.4 | -- | 14 | 11 | < 0.50 | < 0.50 | < 0.50 |
| | 07/16/08 | ug/L | 26 | 1.9 | -- | 15 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/23/08 | ug/L | 24 | 1.2 | -- | 12 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/30/08 | ug/L | 20 | 1.0 | -- | 9.0 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/06/08 | ug/L | 19 | < 1.0 | -- | 10 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/25/08 | ug/L | 16 | 0.65 | -- | 8.7 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/24/08 | ug/L | 16 | 1.3 | -- | 3.8 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 10/22/08 | ug/L | 14 | 0.54 | -- | 7.3 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 11/26/08 | ug/L | 12 | 0.51 | -- | 8.4 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 02/25/09 | ug/L | 12 | 1.0 | -- | 6.7 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 3/18/2009 | ug/L | 11 | < 0.50 | -- | 5.6 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 4/29/2009 | ug/L | 14 | < 0.50 | -- | 6.7 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 5/27/2009 | ug/L | 14 | 0.90 | -- | 7.2 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 6/29/2009 | ug/L | 17 | 0.58 | -- | 8.1 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 07/22/09 | ug/L | 16 | 0.62 | -- | 7.7 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/14/09 | ug/L | 18 | < 0.50 | -- | 8.7 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/11/09 | ug/L | 14 | 0.60 | -- | 7.5 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 10/08/09 | ug/L | 19 | < 0.50 | -- | 9.4 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 12/09/09 | ug/L | 12 | 1.7 | -- | 7.4 | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/05/10 | ug/L | 14 | 1.6 | -- | -- | -- | -- | -- | -- |
| | 03/22/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/23/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/24/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/25/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 03/26/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/01/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/09/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/13/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 04/23/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 05/25/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/10/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 06/11/10 | ug/L | 22 | 1.6 | -- | -- | -- | -- | -- | -- |
| | 07/08/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 08/02/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/02/10 | ug/L | -- | -- | < 0.50 | -- | -- | < 0.50 | < 0.50 | < 0.50 |
| | 09/08/10 | ug/L | 21 | 2.0 | -- | -- | -- | -- | -- | -- |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 07/08/08 | ug/L | 410 | 490 | -- | 460 | -- | 35 | -- | -- |
| (3 ug/L MCL) | 07/09/08 | ug/L | 360 | 410 | -- | 360 | -- | 13 | -- | -- |
| | 07/10/08 | ug/L | 330 | 340 | -- | 310 | -- | 6.4 | -- | -- |
| | 07/15/08 | ug/L | 290 | 350 | -- | 320 | 220 | 3.4 | -- | -- |
| | 07/16/08 | ug/L | 310 | 320 | -- | 350 | -- | 3.7 | -- | -- |
| | 07/23/08 | ug/L | 220 | 190 | -- | 220 | -- | 5.2 | -- | -- |
| | 07/30/08 | ug/L | 230 | 200 | -- | 220 | -- | 6.3 | -- | -- |
| | 08/06/08 | ug/L | 230 | 190 | -- | 200 | -- | 18 | -- | 6.8 |
| | 08/25/08 | ug/L | 150 | 130 | -- | 140 | -- | 10 | -- | < 0.50 |
| | 09/24/08 | ug/L | 100 | 74 | -- | 91 | -- | < 2.0 | -- | -- |
| | 10/22/08 | ug/L | 95 | 120 | -- | 120 | -- | 6.4 | -- | -- |
| | 11/26/08 | ug/L | 74 | 110 | -- | 91 | -- | 4.5 | -- | -- |
| | 02/25/09 | ug/L | 83 | 160 | -- | 120 | -- | 6.4 | -- | -- |
| | 3/18/2009 | ug/L | 54 | 70 | -- | 69 | -- | 2.0 | -- | -- |
| | 4/29/2009 | ug/L | 65 | 80 | -- | 74 | -- | 2.9 | -- | -- |
| | 5/27/2009 | ug/L | 71 | 150 | -- | 110 | -- | 2.5 | -- | -- |
| | 6/29/2009 | ug/L | 68 | 120 | -- | 87 | -- | 2.4 | -- | -- |
| | 07/22/09 | ug/L | 65 | 120 | -- | 100 | -- | < 2.0 | -- | -- |
| | 08/14/09 | ug/L | 72 | 81 | -- | 80 | -- | 2.0 | -- | -- |
| | 09/11/09 | ug/L | 63 | 120 | -- | 90 | -- | 2.6 | -- | -- |
| | 10/08/09 | ug/L | 76 | 87 | -- | 82 | -- | < 2.0 | -- | -- |
| | 12/09/09 | ug/L | 11 | 490 | -- | 180 | -- | 4.3 | -- | -- |
| | 03/05/10 | ug/L | 21 | 370 | -- | -- | -- | -- | -- | -- |
| | 03/22/10 | ug/L | -- | -- | 22 | -- | -- | < 2.0 | -- | -- |
| | 03/23/10 | ug/L | -- | -- | 24 | -- | -- | < 2.0 | -- | -- |
| | 03/24/10 | ug/L | -- | -- | 25 | -- | -- | < 2.0 | -- | -- |
| | 03/25/10 | ug/L | -- | -- | 22 | -- | -- | < 2.0 | -- | -- |
| | 03/26/10 | ug/L | -- | -- | 19 | -- | -- | 6 | -- | -- |
| | 04/01/10 | ug/L | -- | -- | 29 | -- | -- | < 2.0 | -- | -- |
| | 04/09/10 | ug/L | -- | -- | 31 | -- | -- | < 2.0 | -- | -- |
| | 04/13/10 | ug/L | -- | -- | 43 | -- | -- | < 2.0 | -- | -- |
| | 04/23/10 | ug/L | -- | -- | 35 | -- | -- | < 2.0 | -- | -- |
| | 05/25/10 | ug/L | -- | -- | 38 | -- | -- | < 2.0 | -- | -- |
| | 06/10/10 | ug/L | -- | -- | 40 | -- | -- | < 2.0 | -- | -- |
| | 06/11/10 | ug/L | 40 | 400 | -- | -- | -- | -- | -- | -- |
| | 07/08/10 | ug/L | -- | -- | 48 | -- | -- | < 2.0 | -- | -- |
| | 08/02/10 | ug/L | -- | -- | 42 | -- | -- | < 2.0 | -- | -- |
| | 09/02/10 | ug/L | -- | -- | 42 | -- | -- | < 2.0 | -- | -- |
| | 09/08/10 | ug/L | 74 | 370 | -- | -- | -- | -- | -- | -- |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | 07/08/08 | ug/L | 1,100 | 600 | -- | 830 | 680 | 800 | -- | 590 |
| | 07/09/08 | ug/L | 830 | 460 | -- | 610 | -- | 610 | -- | 610 |
| | 07/10/08 | ug/L | 820 | 470 | -- | 640 | -- | 600 | -- | 620 |
| | 07/15/08 | ug/L | 890 | 450 | -- | 680 | 690 | 610 | -- | 760 |
| | 07/16/08 | ug/L | 640 | 490 | -- | 830 | -- | 600 | -- | 600 |
| | 07/23/08 | ug/L | 910 | 670 | -- | 1,100 | -- | 830 | -- | 960 |
| | 07/30/08 | ug/L | 3,100 | 1,300 | -- | 2,400 | -- | 2,600 | -- | 2,700 |
| | 08/06/08 | ug/L | 910 | 560 | -- | 590 | -- | 590 | -- | 780 |
| | 08/25/08 | ug/L | 870 | 390 | -- | 620 | -- | 590 | -- | 580 |
| | 09/24/08 | ug/L | 710 | 320 | -- | 510 | -- | 490 | -- | 550 |
| | 10/22/08 | ug/L | 970 | 610 | -- | 750 | -- | 700 | -- | 700 |
| | 11/26/08 | ug/L | 1,100 | 740 | -- | 1,000 | -- | 1,000 | -- | 880 |
| | 02/25/09 | ug/L | 2,000 | 410 | -- | 580 | -- | 580 | -- | 570 |
| | 3/18/2009 | ug/L | 900 | 440 | -- | 670 | -- | 660 | -- | 610 |
| | 4/29/2009 | ug/L | 960 | 380 | -- | 650 | -- | 650 | -- | 720 |
| | 5/27/2009 | ug/L | 1,000 | 380 | -- | 660 | -- | 670 | -- | 680 |
| | 6/29/2009 | ug/L | 1,200 | 300 | -- | 560 | -- | 630 | -- | 650 |
| | 07/22/09 | ug/L | 1,100 | 430 | -- | 870 | -- | 820 | -- | 830 |
| | 08/14/09 | ug/L | 1,600 | 480 | -- | 1,100 | -- | 1,100 | -- | 1,100 |
| | 09/11/09 | ug/L | 970 | 490 | -- | 620 | -- | 590 | -- | 1,000 |
| | 10/08/09 | ug/L | 1,100 | 420 | -- | 910 | -- | 770 | -- | 820 |
| | 12/09/09 | ug/L | 1,400 | 540 | -- | 920 | -- | 880 | -- | 980 |
| | 03/22/10 | ug/L | -- | -- | 360 | -- | -- | 350 | -- | 360 |
| | 03/23/10 | ug/L | -- | -- | 360 | -- | -- | 350 | -- | 330 |
| | 03/24/10 | ug/L | -- | -- | 340 | -- | -- | 330 | -- | 320 |
| | 03/25/10 | ug/L | -- | -- | 320 | -- | -- | 320 | -- | 320 |
| | 03/26/10 | ug/L | -- | -- | 330 | -- | -- | 310 | -- | 310 |
| | 04/01/10 | ug/L | -- | -- | 360 | -- | -- | 310 | -- | 340 |
| | 04/09/10 | ug/L | -- | -- | 310 | -- | -- | 300 | -- | 290 |
| | 04/13/10 | ug/L | -- | -- | 370 | -- | -- | 330 | -- | 320 |
| | 04/23/10 | ug/L | -- | -- | 300 | -- | -- | 380 | -- | 300 |
| | 05/25/10 | ug/L | -- | -- | 450 | -- | -- | 330 | -- | 340 |
| | 06/10/10 | ug/L | -- | -- | 340 | -- | -- | 330 | -- | 330 |
| | 07/08/10 | ug/L | -- | -- | 300 | -- | -- | 330 | -- | 330 |
| | 08/02/10 | ug/L | -- | -- | 270 | -- | -- | 280 | -- | 280 |
| | 09/02/10 | ug/L | -- | -- | 250 | -- | -- | 270 | -- | 230 |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | 07/08/08 | ug/L | < 4 | < 4 | -- | < 4 | < 0.50 | < 4 | -- | < 4 |
| (10 ug/L MCL) | 07/09/08 | ug/L | < 4 | < 4 | -- | < 4 | -- | 19 | -- | < 4 |
| | 07/10/08 | ug/L | < 4 | < 4 | -- | 6.0 | -- | 44 | -- | 18 |
| | 07/15/08 | ug/L | < 4 | < 4 | -- | < 4 | < 4 | 77 | -- | < 4 |
| | 07/16/08 | ug/L | < 4 | < 4 | -- | < 4 | -- | 61 | -- | 47 |
| | 07/23/08 | ug/L | < 4 | < 4 | -- | < 4 | -- | < 4 | -- | 63 |
| | 07/30/08 | ug/L | < 4 | < 4 | -- | < 4 | -- | < 4 | -- | 23 |
| | 08/06/08 | ug/L | < 4 | < 4 | -- | < 4 | -- | 5.0 | -- | < 4 |
| | 08/25/08 | ug/L | < 5.0 | < 5.0 | -- | < 5.0 | -- | 7.8 | -- | 17 |
| | 09/24/08 | ug/L | < 0.5 | < 0.5 | -- | < 0.5 | -- | 59 | -- | 39 |
| | 10/22/08 | ug/L | < 0.5 | < 0.5 | -- | < 5 | -- | < 25 | -- | < 5 |
| | 11/26/08 | ug/L | < 4 | < 4 | -- | < 4 | -- | < 4 | -- | < 4 |
| | 02/25/09 | ug/L | < 4 | < 4 | -- | < 4 | -- | 5.0 | -- | < 4 |
| | 3/18/2009 | ug/L | < 4 | < 4 | -- | < 4 | -- | 22 | -- | 7.0 |
| | 4/29/2009 | ug/L | < 4 | < 4 | -- | 6.0 | -- | 31 | -- | 34 |
| | 5/27/2009 | ug/L | < 4 | < 4 | -- | < 4 | -- | 24 | -- | 26 |
| | 6/29/2009 | ug/L | < 4 | < 4 | -- | < 4 | -- | 18 | -- | 15 |
| | 07/22/09 | ug/L | < 4 | < 4 | -- | < 4 | -- | 15 | -- | 26 |
| | 08/14/09 | ug/L | < 4 | < 4 | -- | < 4 | -- | < 4 | -- | 39 |
| | 09/11/09 | ug/L | < 4 | < 4 | -- | < 4 | -- | 9.0 | -- | 22 |
| | 10/08/09 | ug/L | < 4 | < 4 | -- | < 4 | -- | 17 | -- | 24 |
| | 12/09/09 | ug/L | < 4 | < 4 | -- | < 4 | -- | 18 | -- | 23 |
| | 03/22/10 | ug/L | -- | -- | < 0.9 | -- | -- | 13.1 | -- | 4.2 |
| | 03/23/10 | ug/L | -- | -- | < 0.5 | -- | -- | 16.4 | -- | 30.1 |
| | 03/24/10 | ug/L | -- | -- | < 0.5 | -- | -- | 10.5 | -- | 12.4 |
| | 03/25/10 | ug/L | -- | -- | < 0.5 | -- | -- | 11.6 | -- | 10.3 |
| | 03/26/10 | ug/L | -- | -- | < 0.5 | -- | -- | 8.7 | -- | 5.3 |
| | 04/01/10 | ug/L | -- | -- | < 0.5 | -- | -- | 12.7 | -- | < 0.5 |
| | 04/09/10 | ug/L | -- | -- | < 0.5 | -- | -- | 9.6 | -- | 10.5 |
| | 04/13/10 | ug/L | -- | -- | < 0.5 | -- | -- | 7.3 | -- | 8.4 |
| | 04/23/10 | ug/L | -- | -- | < 0.5 | -- | -- | 7.4 | -- | 7.0 |
| | 05/25/10 | ug/L | -- | -- | < 0.5 | -- | -- | 6.8 | -- | 7.0 |
| | 06/10/10 | ug/L | -- | -- | < 0.5 | -- | -- | 7.7 | -- | 6.6 |
| | 07/08/10 | ug/L | -- | -- | 0.6 | -- | -- | 7.3 | -- | 6.7 |
| | 08/02/10 | ug/L | -- | -- | < 0.5 | -- | -- | 6.8 | -- | 6.8 |
| | 09/02/10 | ug/L | -- | -- | < 0.5 | -- | -- | 7.0 | -- | 7.3 |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Non-Filterable Residue | 07/08/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 07/09/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 07/10/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 07/15/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 07/16/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 07/23/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 07/30/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 08/06/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 08/25/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 09/24/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 10/22/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 11/26/08 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 02/25/09 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 3/18/2009 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 4/29/2009 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 5/27/2009 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 6/29/2009 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 07/22/09 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 08/14/09 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 09/11/09 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 10/08/09 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 12/09/09 | mg/L | < 10 | < 10 | -- | < 10 | < 10 | -- | -- | -- |
| | 03/22/10 | mg/L | -- | -- | < 10 | -- | < 10 | -- | -- | -- |
| | 05/25/10 | mg/L | -- | -- | < 10 | -- | < 10 | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | < 10 | -- | < 10 | -- | -- | -- |
| | 07/08/10 | mg/L | -- | -- | < 10 | -- | < 10 | -- | -- | -- |
| | 08/02/10 | mg/L | -- | -- | < 10 | -- | < 10 | -- | -- | -- |
| | 09/10/10 | mg/L | -- | -- | < 10 | -- | < 10 | -- | -- | -- |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Filterable Residue | 07/08/08 | mg/L | 1,000 | 770 | -- | 870 | -- | 880 | -- | -- |
| (500 mg/L MCL) | 07/09/08 | mg/L | 1,100 | 830 | -- | 930 | -- | 960 | -- | -- |
| | 07/10/08 | mg/L | 1,100 | 830 | -- | 970 | -- | 950 | -- | -- |
| | 07/15/08 | mg/L | 1,200 | 840 | -- | 1,000 | -- | 1,000 | -- | -- |
| | 07/16/08 | mg/L | 1,200 | 890 | -- | 1,100 | -- | 1,000 | -- | -- |
| | 07/23/08 | mg/L | 1,100 | 850 | -- | 980 | -- | 940 | -- | -- |
| | 07/30/08 | mg/L | 1,100 | 800 | -- | 910 | -- | 890 | -- | -- |
| | 08/06/08 | mg/L | 940 | 710 | -- | 810 | -- | 810 | -- | -- |
| | 08/25/08 | mg/L | 1,000 | 740 | -- | 860 | -- | 870 | -- | -- |
| | 09/24/08 | mg/L | 960 | 770 | -- | 810 | -- | 840 | -- | 830 |
| | 10/22/08 | mg/L | 910 | 790 | -- | 860 | -- | 860 | -- | 850 |
| | 11/26/08 | mg/L | 870 | 770 | -- | 840 | -- | 850 | -- | 860 |
| | 02/25/09 | mg/L | 840 | 770 | -- | 810 | -- | 840 | -- | 860 |
| | 3/18/2009 | mg/L | 890 | 780 | -- | 830 | -- | 840 | -- | 860 |
| | 4/29/2009 | mg/L | 1,000 | 800 | -- | 930 | -- | 910 | -- | 940 |
| | 5/27/2009 | mg/L | 1,200 | 790 | -- | 910 | -- | 910 | -- | 880 |
| | 6/29/2009 | mg/L | 1,100 | 740 | -- | 920 | -- | 830 | -- | 880 |
| | 07/22/09 | mg/L | 1,100 | 800 | -- | 940 | -- | 620 | -- | 930 |
| | 08/14/09 | mg/L | 1,200 | 770 | -- | 950 | -- | 920 | -- | 940 |
| | 09/11/09 | mg/L | 1,200 | 810 | -- | 1,000 | -- | 940 | -- | 1,300 |
| | 10/08/09 | mg/L | 1,100 | 790 | -- | 950 | -- | 940 | -- | 960 |
| | 12/09/09 | mg/L | 1,200 | 820 | -- | 1,100 | -- | 1,100 | -- | 1,100 |
| | 03/22/10 | mg/L | -- | -- | 730 | -- | -- | -- | -- | -- |
| | 05/25/10 | mg/L | -- | -- | 660 | -- | -- | 660 | -- | 650 |
| | 06/10/10 | mg/L | -- | -- | 670 | -- | -- | 670 | -- | 660 |
| | 07/08/10 | mg/L | -- | -- | 660 | -- | -- | 650 | -- | 660 |
| | 08/02/10 | mg/L | -- | -- | 660 | -- | -- | 650 | -- | 660 |
| | 09/10/10 | mg/L | -- | -- | 650 | -- | -- | 650 | -- | 640 |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Calcium | 03/22/10 | mg/L | -- | -- | 110 | -- | -- | -- | -- | -- |
| Dissolved Calcium | 03/22/10 | mg/L | -- | -- | 110 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | 110 | -- | -- | -- | -- | -- |
| | 09/02/10 | mg/L | -- | -- | 83 | -- | -- | -- | -- | -- |
| Total Iron | 03/22/10 | mg/L | -- | -- | < 0.50 | -- | -- | -- | -- | -- |
| Dissolved Iron | 03/22/10 | mg/L | -- | -- | < 0.50 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | < 0.50 | -- | -- | -- | -- | -- |
| | 09/02/10 | mg/L | -- | -- | < 0.50 | -- | -- | -- | -- | -- |
| Total Magnesium | 03/22/10 | mg/L | -- | -- | 32 | -- | -- | -- | -- | -- |
| Dissolved Magnesium | 03/22/10 | mg/L | -- | -- | 30 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | 33 | -- | -- | -- | -- | -- |
| | 09/02/10 | mg/L | -- | -- | 26 | -- | -- | -- | -- | -- |
| Total Manganese | 03/22/10 | mg/L | -- | -- | < 0.50 | -- | -- | -- | -- | -- |
| Dissolved Manganese | 03/22/10 | mg/L | -- | -- | < 0.50 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | < 0.50 | -- | -- | -- | -- | -- |
| | 09/02/10 | mg/L | -- | -- | < 0.50 | -- | -- | -- | -- | -- |
| Total Sodium | 03/22/10 | mg/L | -- | -- | 87 | -- | -- | -- | -- | -- |
| Dissolved Sodium | 03/22/10 | mg/L | -- | -- | 95 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | 110 | -- | -- | -- | -- | -- |
| | 09/02/10 | mg/L | -- | -- | 71 | -- | -- | -- | -- | -- |
| Total Selenium | 08/25/08 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| (0.05 mg/L MCL) | 09/24/08 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 10/22/08 | mg/L | < 0.01 | 0.012 | -- | 0.012 | -- | -- | -- | -- |
| | 11/26/08 | mg/L | < 0.01 | 0.013 | -- | 0.011 | -- | -- | -- | -- |
| | 02/25/09 | mg/L | 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 3/18/2009 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 4/29/2009 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 5/27/2009 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 6/29/2009 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 07/22/09 | mg/L | 0.013 | < 0.010 | -- | 0.012 | -- | -- | -- | -- |
| | 08/14/09 | mg/L | < 0.010 | < 0.010 | -- | 0.010 | -- | -- | -- | -- |
| | 09/11/09 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 10/08/09 | mg/L | 0.012 | 0.011 | -- | 0.012 | -- | -- | -- | -- |
| | 12/09/09 | mg/L | 0.013 | 0.01 | -- | 0.014 | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | < 0.010 | -- | -- | -- | -- | -- |
| | 09/02/10 | mg/L | -- | -- | 0.010 | -- | -- | -- | -- | -- |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Selenium | 08/25/08 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| (0.05 mg/L MCL) | 09/24/08 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 10/22/08 | mg/L | < 0.01 | < 0.01 | -- | < 0.01 | -- | -- | -- | -- |
| | 11/26/08 | mg/L | < 0.01 | 0.010 | -- | < 0.01 | -- | -- | -- | -- |
| | 02/25/09 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 3/18/2009 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 4/29/2009 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 5/27/2009 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 6/29/2009 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 07/22/09 | mg/L | 0.015 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 08/14/09 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 09/11/09 | mg/L | < 0.010 | < 0.010 | -- | < 0.010 | -- | -- | -- | -- |
| | 10/08/09 | mg/L | 0.012 | 0.011 | -- | 0.010 | -- | -- | -- | -- |
| | 12/09/09 | mg/L | 0.013 | 0.011 | -- | 0.010 | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | < 0.010 | -- | -- | -- | -- | -- |
| | 09/02/10 | mg/L | -- | -- | < 0.010 | -- | -- | -- | -- | -- |
| Alkalinity, Bicarbonate (As CaCO3) | 08/25/08 | mg/L | 250 | 300 | -- | 280 | -- | -- | -- | -- |
| | 11/26/08 | mg/L | 230 | 280 | -- | 250 | -- | -- | -- | -- |
| | 3/18/2009 | mg/L | 230 | 290 | -- | 250 | -- | -- | -- | -- |
| | 6/29/2009 | mg/L | 250 | 270 | -- | 260 | -- | -- | -- | -- |
| | 09/11/09 | mg/L | 250 | 270 | -- | 260 | -- | -- | -- | -- |
| | 12/09/09 | mg/L | 260 | 270 | -- | 270 | -- | -- | -- | -- |
| | 03/22/10 | mg/L | -- | -- | 260 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | 240 | -- | -- | -- | -- | -- |
| | 09/02/10 | mg/L | -- | -- | 230 | -- | -- | -- | -- | -- |
| Alkalinity, Carbonate (As CaCO3) | 08/25/08 | mg/L | < 5.0 | < 5.0 | -- | < 5.0 | -- | -- | -- | -- |
| | 11/26/08 | mg/L | < 5.0 | < 5.0 | -- | < 5.0 | -- | -- | -- | -- |
| | 3/18/2009 | mg/L | < 5.0 | < 5.0 | -- | < 5.0 | -- | -- | -- | -- |
| | 6/29/2009 | mg/L | < 5.0 | < 5.0 | -- | < 5.0 | -- | -- | -- | -- |
| | 09/11/09 | mg/L | < 5.0 | < 5.0 | -- | < 5.0 | -- | -- | -- | -- |
| | 12/09/09 | mg/L | < 5.0 | < 5.0 | -- | < 5.0 | -- | -- | -- | -- |
| | 03/22/10 | mg/L | -- | -- | < 5.0 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | < 5.0 | -- | -- | -- | -- | -- |
| | 09/02/10 | mg/L | -- | -- | < 5.0 | -- | -- | -- | -- | -- |

**TABLE 8**

**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Hydroxide (As CaCO3) | 08/25/08 | mg/L | < 5.0 | < 5.0 | -- | -- | -- | -- | -- | -- |
| | 11/26/08 | mg/L | < 5.0 | < 5.0 | -- | -- | -- | -- | -- | -- |
| | 3/18/2009 | mg/L | < 5.0 | < 5.0 | -- | -- | -- | -- | -- | -- |
| | 6/29/2009 | mg/L | < 5.0 | < 5.0 | -- | -- | -- | -- | -- | -- |
| | 09/11/09 | mg/L | < 5.0 | < 5.0 | -- | -- | -- | -- | -- | -- |
| | 12/09/09 | mg/L | < 5.0 | < 5.0 | -- | -- | -- | -- | -- | -- |
| | 03/22/10 | mg/L | -- | -- | < 5.0 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | < 5.0 | -- | -- | -- | -- | -- |
| | 09/02/10 | mg/L | -- | -- | < 5.0 | -- | -- | -- | -- | -- |
| Alkalinity, Total (As CaCO3) | 08/25/08 | mg/L | 250 | 300 | -- | 280 | -- | -- | -- | -- |
| | 11/26/08 | mg/L | 230 | 280 | -- | 250 | -- | -- | -- | -- |
| | 3/18/2009 | mg/L | 230 | 290 | -- | 250 | -- | -- | -- | -- |
| | 6/29/2009 | mg/L | 250 | 270 | -- | 260 | -- | -- | -- | -- |
| | 09/11/09 | mg/L | 250 | 270 | -- | 260 | -- | -- | -- | -- |
| | 12/09/09 | mg/L | 260 | 270 | -- | 270 | -- | -- | -- | -- |
| | 03/22/10 | mg/L | -- | -- | 260 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | 240 | -- | -- | -- | -- | -- |
| | 09/02/10 | mg/L | -- | -- | 230 | -- | -- | -- | -- | -- |
| Chemical Oxygen Demand | 08/25/08 | mg/L | < 5.0 | < 5.0 | -- | < 5.0 | -- | 45 | -- | 6.4 |
| | 11/26/08 | mg/L | < 5.0 | < 5.0 | -- | 5.0 | -- | 33 | -- | < 5.0 |
| | 3/18/2009 | mg/L | < 5.0 | < 5.0 | -- | < 5.0 | -- | 26 | -- | < 5.0 |
| | 6/29/2009 | mg/L | 14 | < 5.0 | -- | 6.4 | -- | 34 | -- | 7.3 |
| | 09/11/09 | mg/L | 6.9 | 7.5 | -- | 9.0 | -- | 32 | -- | 7.7 |
| | 12/09/09 | mg/L | 17 | 6.1 | -- | < 5.0 | -- | 23 | -- | 7.1 |
| | 03/22/10 | mg/L | -- | -- | < 5.0 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | < 5.0 | -- | -- | 14 | -- | -- |
| | 09/02/10 | mg/L | -- | -- | < 5.0 | -- | -- | 22 | -- | -- |
| Organic Carbon, Total | 08/25/08 | mg/L | < 3.0 | < 3.0 | -- | < 3.0 | -- | < 3.0 | -- | < 3.0 |
| | 11/26/08 | mg/L | < 3.0 | < 3.0 | -- | < 3.0 | -- | < 3.0 | -- | < 3 |
| | 3/18/2009 | mg/L | < 3.0 | 4.1 | -- | < 3.0 | -- | 3.9 | -- | < 3.0 |
| | 6/29/2009 | mg/L | 3.6 | < 3.0 | -- | < 3.0 | -- | < 3.0 | -- | 3.1 |
| | 09/11/09 | mg/L | < 3.0 | < 3.0 | -- | < 3.0 | -- | < 3.0 | -- | < 3.0 |
| | 12/09/09 | mg/L | < 3.0 | < 3.0 | -- | < 3.0 | -- | < 3.0 | -- | < 3.0 |
| | 03/22/10 | mg/L | -- | -- | < 3.0 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | < 3.0 | -- | -- | < 3.0 | -- | -- |
| | 09/02/10 | mg/L | -- | -- | < 3.0 | -- | -- | < 3.0 | -- | -- |

**TABLE 8**

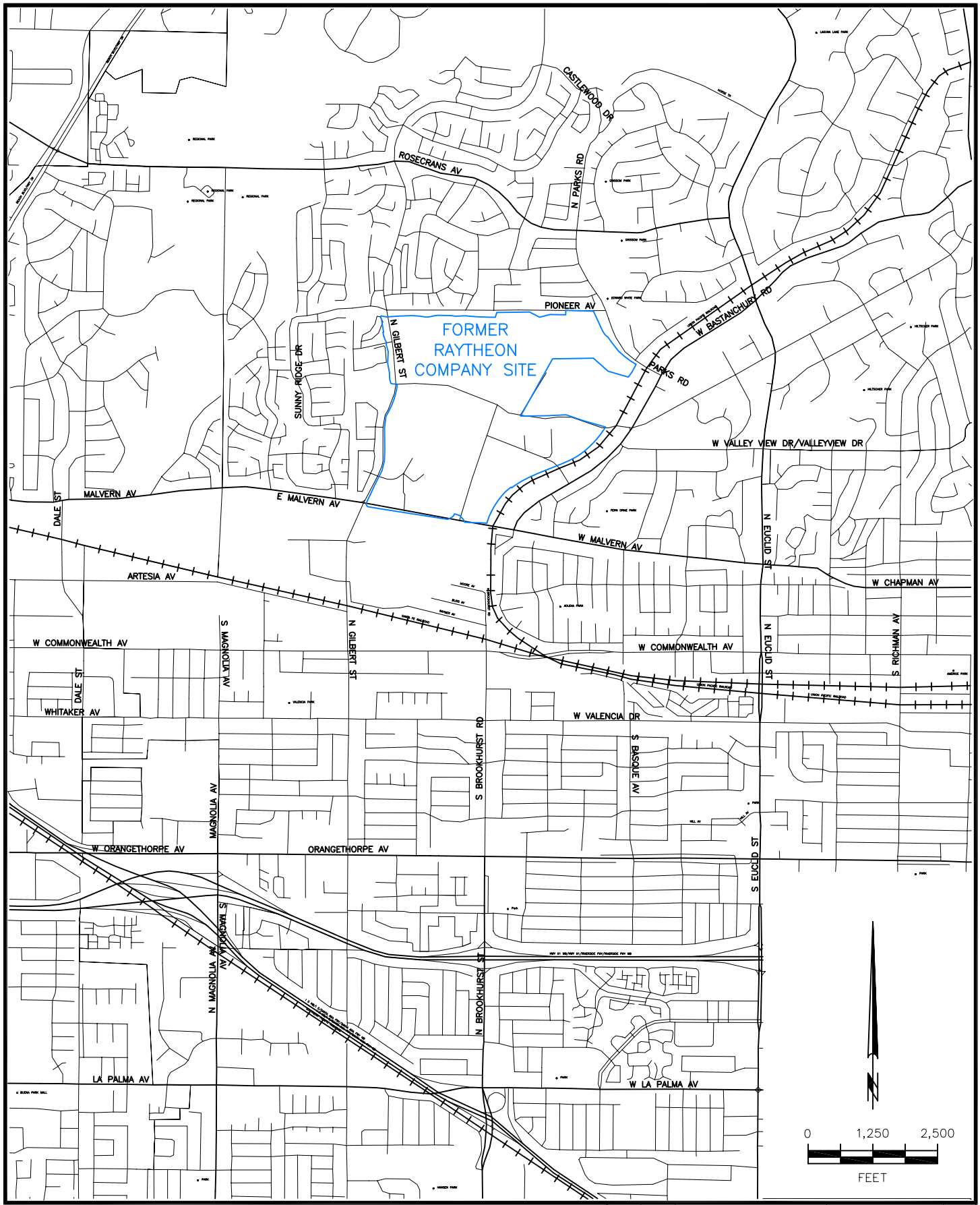
**SUMMARY OF SELECT COMPOUNDS DETECTED IN GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES**

| Compound | Date | Units | MW-21 | EW-01 | EW-02 | INF* | PF | POX | CBT | CEFF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 03/22/10 | mg/L | -- | -- | 110 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | 120 | -- | -- | 110 | -- | -- |
| | 09/02/10 | mg/L | -- | -- | 110 | -- | -- | 120 | -- | -- |
| Sulfate | 03/22/10 | mg/L | -- | -- | 140 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | 150 | -- | -- | 140 | -- | -- |
| | 09/02/10 | mg/L | -- | -- | 130 | -- | -- | 130 | -- | -- |
| Nitrate | 03/22/10 | mg/L | -- | -- | 7.4 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | 5.5 | -- | -- | < 0.10 | -- | -- |
| | 09/02/10 | mg/L | | | 5.3 | | | 5.3 | | |
| Nitrite | 03/22/10 | mg/L | -- | -- | < 0.10 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | < 0.10 | -- | -- | < 0.10 | -- | -- |
| | 09/02/10 | mg/L | | | < 0.10 | | | < 0.10 | | |
| Phosphate | 03/22/10 | mg/L | -- | -- | < 0.050 | -- | -- | -- | -- | -- |
| | 06/10/10 | mg/L | -- | -- | < 0.050 | -- | -- | < 0.050 | -- | -- |
| | 09/02/10 | mg/L | -- | -- | < 0.050 | -- | -- | < 0.050 | -- | -- |

FOOTNOTES

MCL = Maximum Contaminant Level or Drinking Water Action Level, if applicable
ug/L = Micrograms per liter
mg/L = Milligrams per liter
-- = Not scheduled for performance monitoring
(<) = Less than; the value is the Limit of Detection

INF* = Influent (same as EW-02, when active)
PF= Post Particulate Filter
POX = Post Hipox Oxidation
CBT= Carbon Breakthrough
CEFF = Carbon Effluent
CaCO3 = Calcium carbonate




Aug 12, 2009 - 4:39pm GTH - T:\2009\500-599\532 Raytheon\Hydrogeology\H+A BaseMaps\410-7298.dwg

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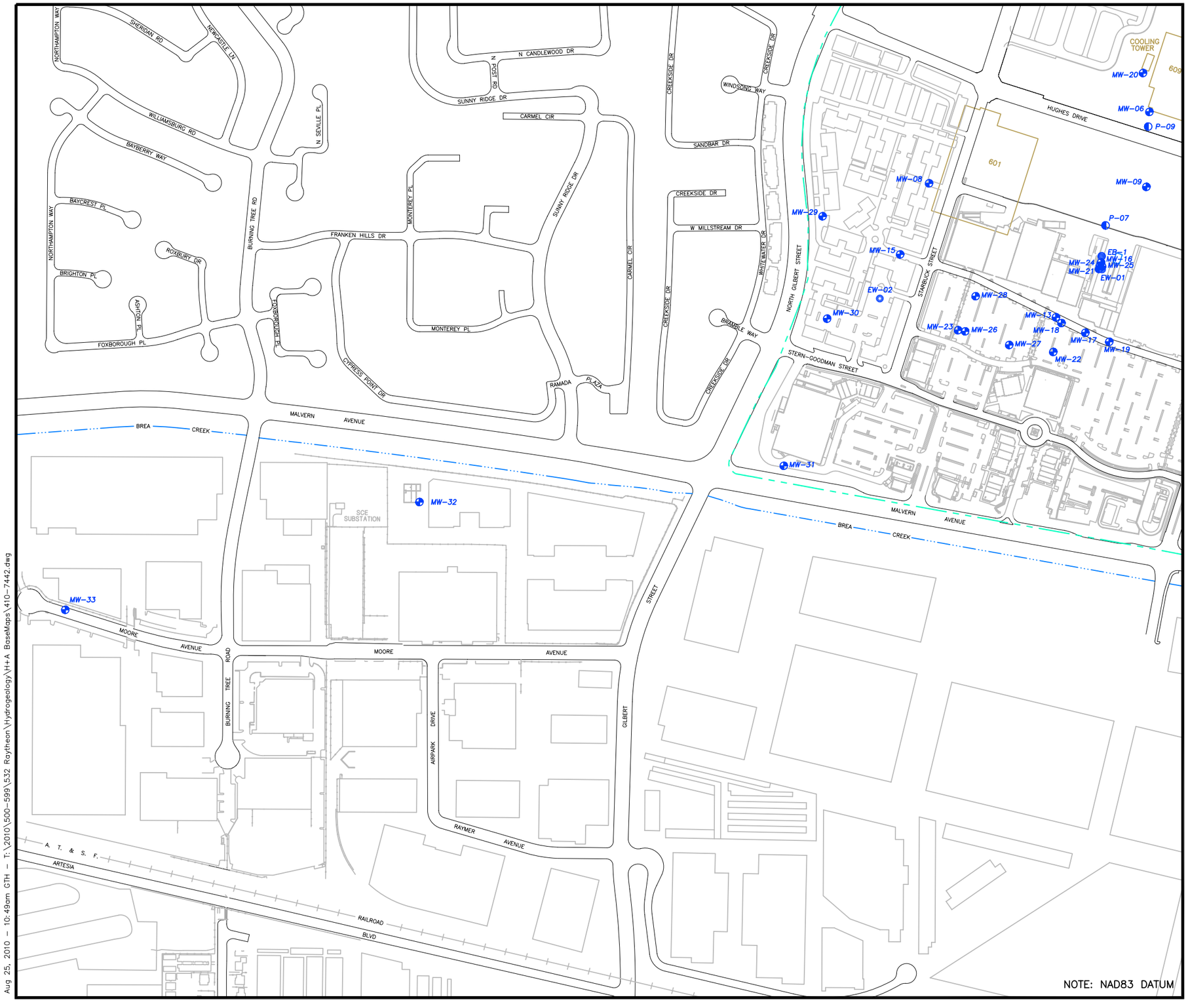
| 8/09 | RPT NO. 532.65 | 410-7298 | A |
|---|---|---|---|

**FIGURE 1. SITE LOCATION**




## EXPLANATION

- MW-09 — GROUNDWATER MONITOR WELL
- MW-25 — GROUNDWATER PIEZOMETER
- P-09 — PERCHED ZONE PIEZOMETER
- EW-01 — GROUNDWATER EXTRACTION WELL
- EB-1 — EXPLORATORY BORING
- GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
- 609 — FORMER RAYTHEON BUILDING, DEMOLISHED MID-2000
- CURRENT RESIDENTIAL AND COMMERCIAL BUILDINGS
- DRIVEWAYS, PARKING LOTS AND OTHER HARDSCAPE OF SITE RE-DEVELOPMENT
- SITE BOUNDARY

0 400 800

FEET

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FULLERTON, CALIFORNIA

# WELL AND PIEZOMETER LOCATIONS

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08/10

FIGURE 2

PREP BY GLW REV BY SPN RPT NO. 532.05 | 410-7442 | A

Aug 25, 2010 - 10:49am GTH - T:\2010\500-599\532 Raytheon\Hydrogeology\H+A BaseMaps\410-7442.dwg

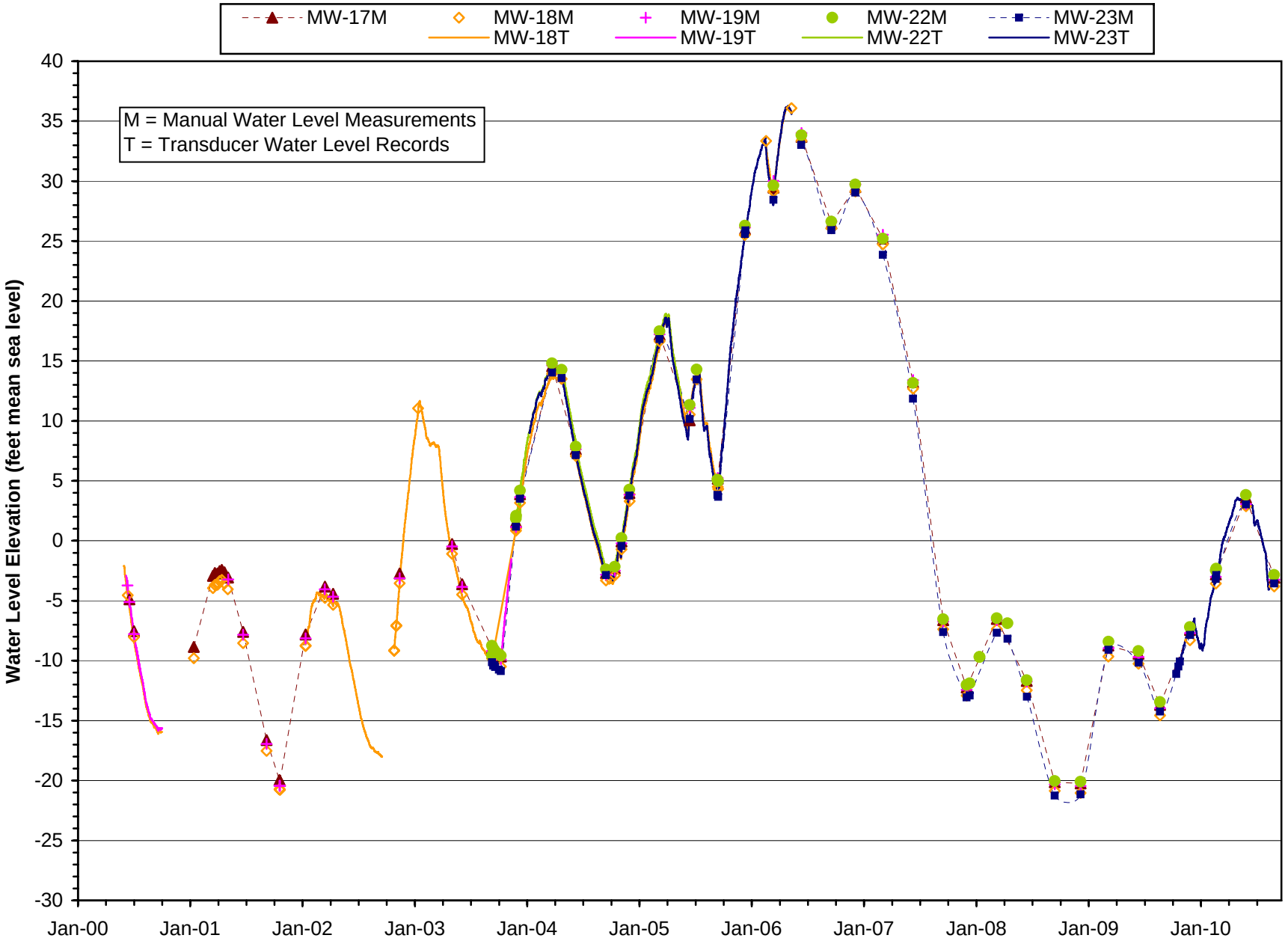



**FIGURE 3. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT A MONITOR WELLS**

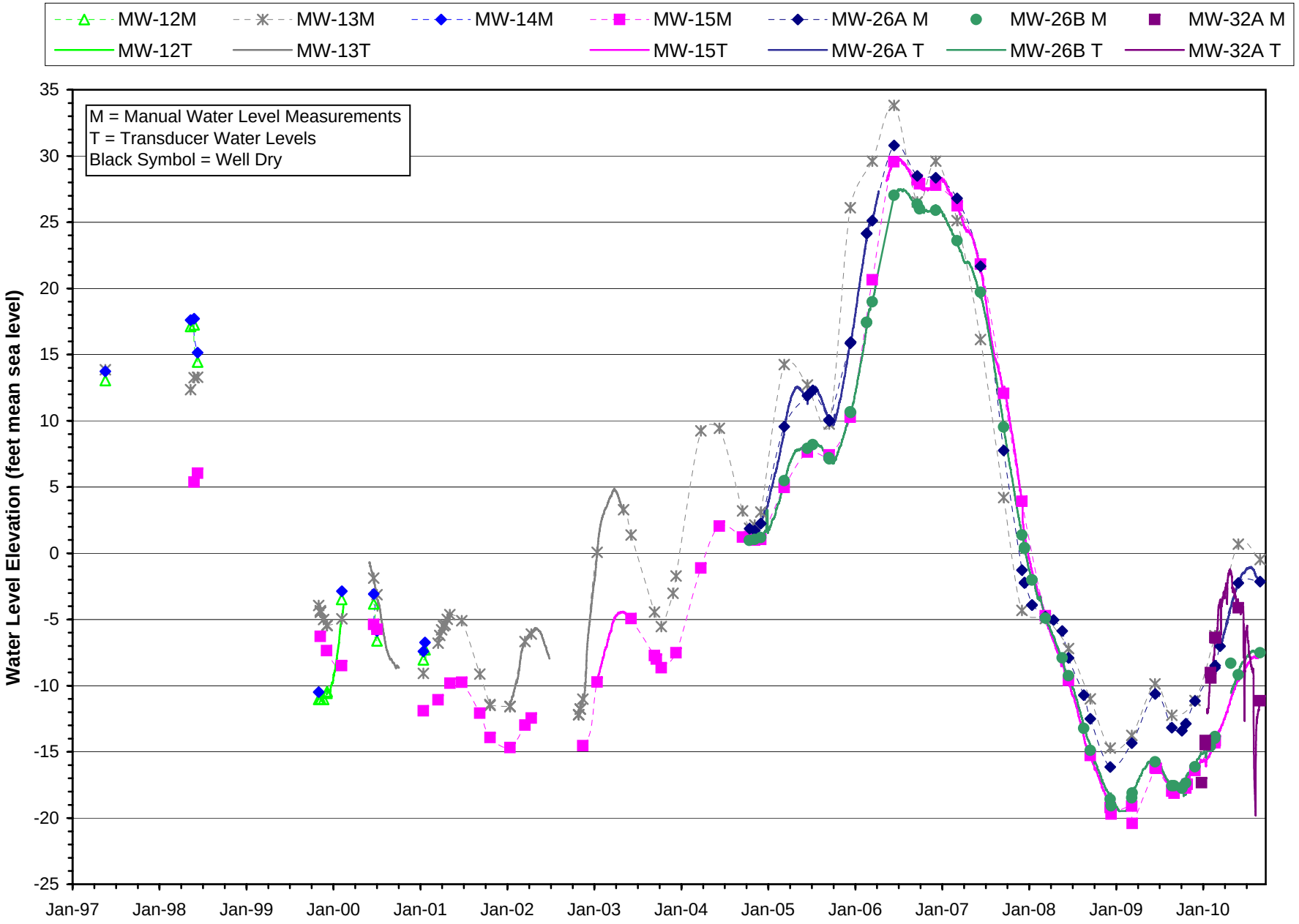





**FIGURE 4. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT AB MONITOR WELLS**

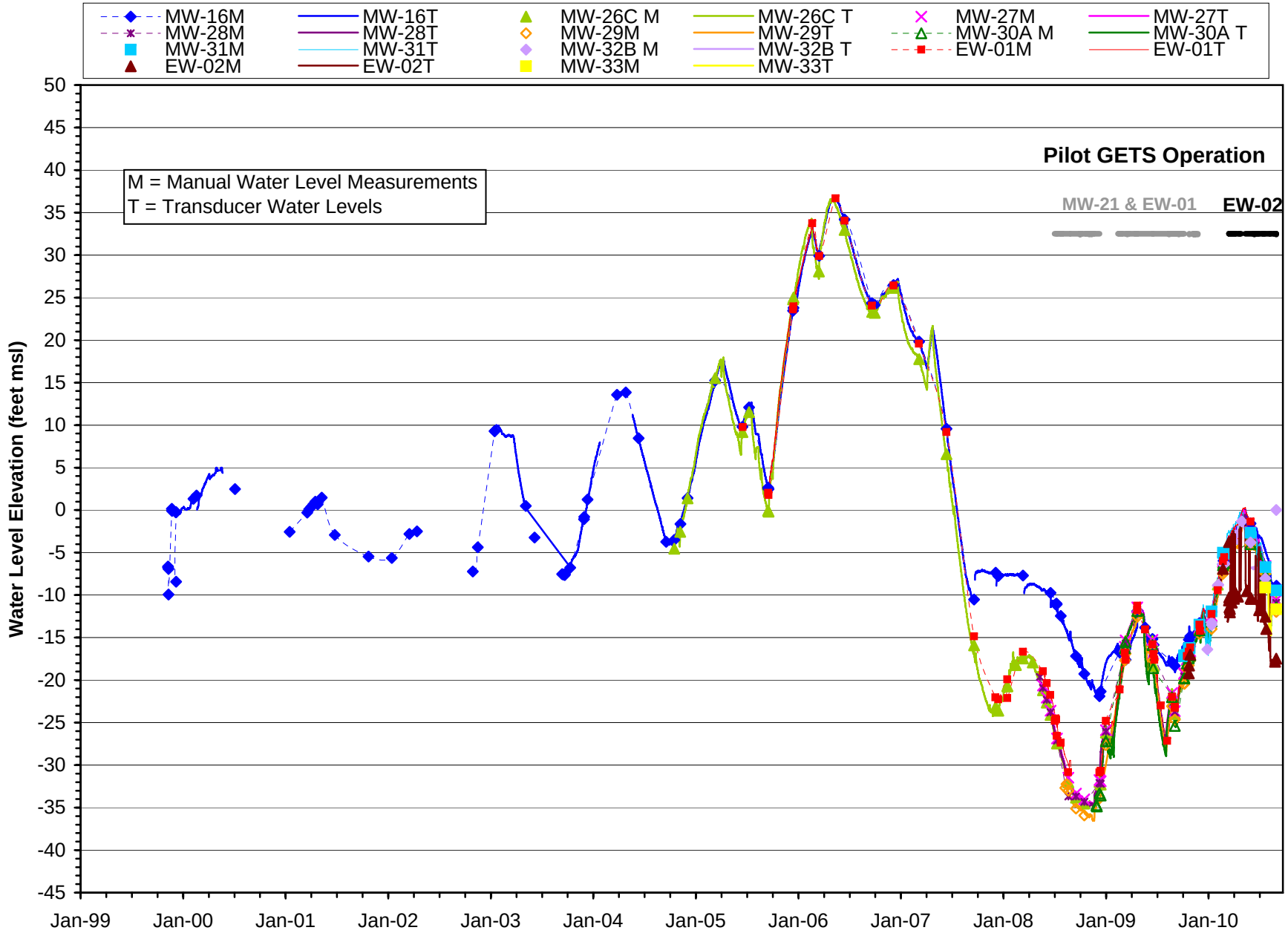



**FIGURE 5. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT B MONITOR AND EXTRACTION WELLS**

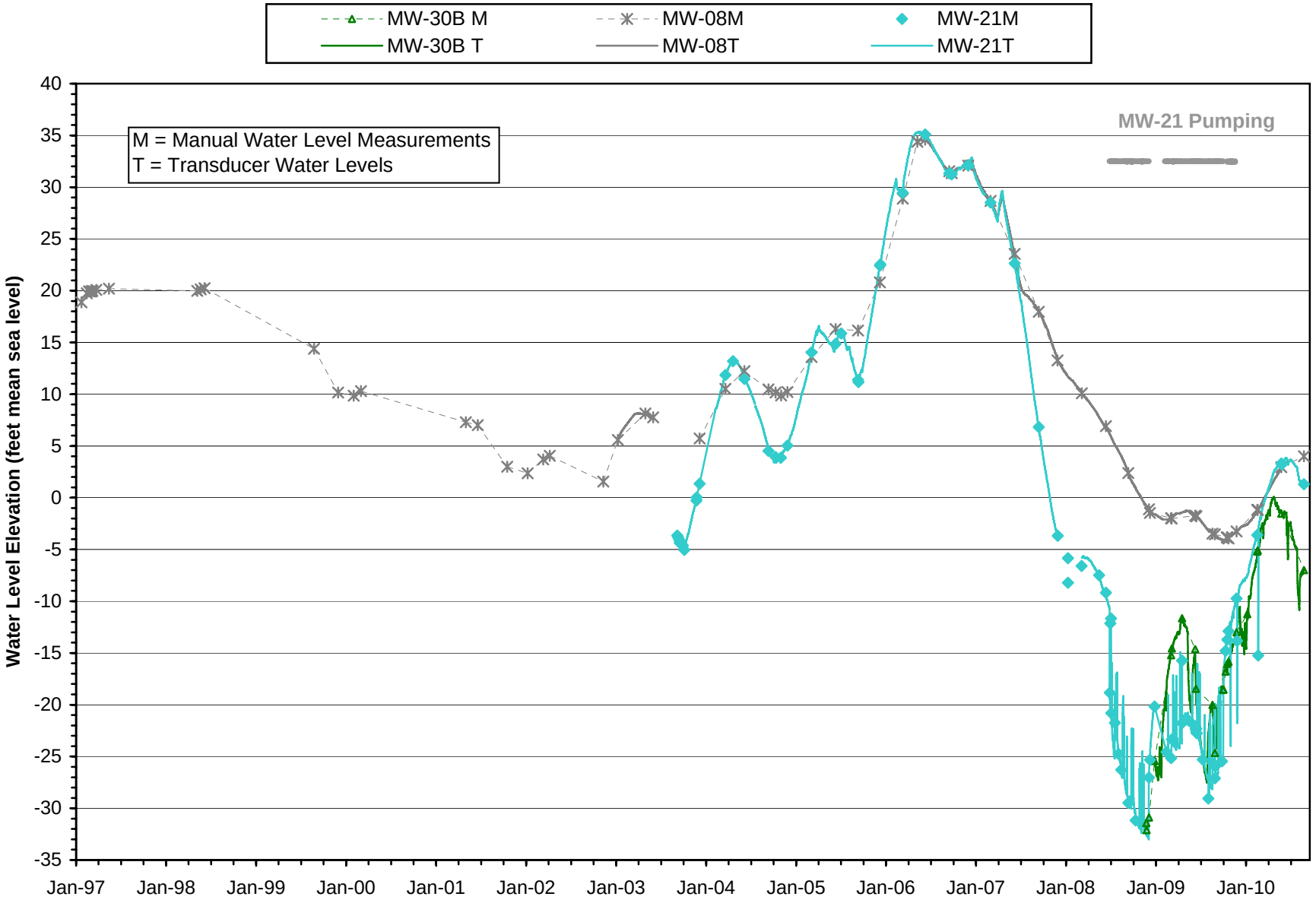
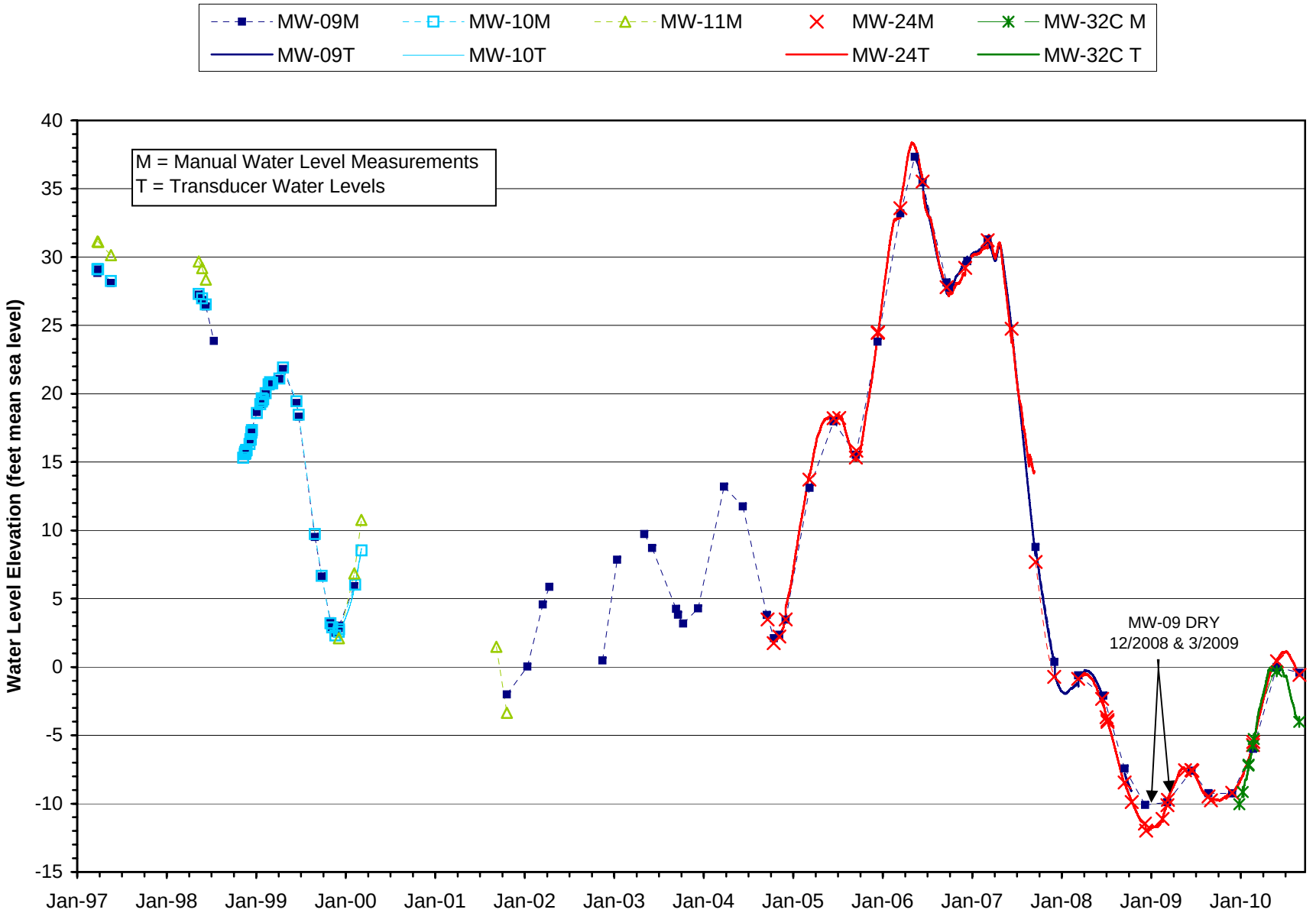
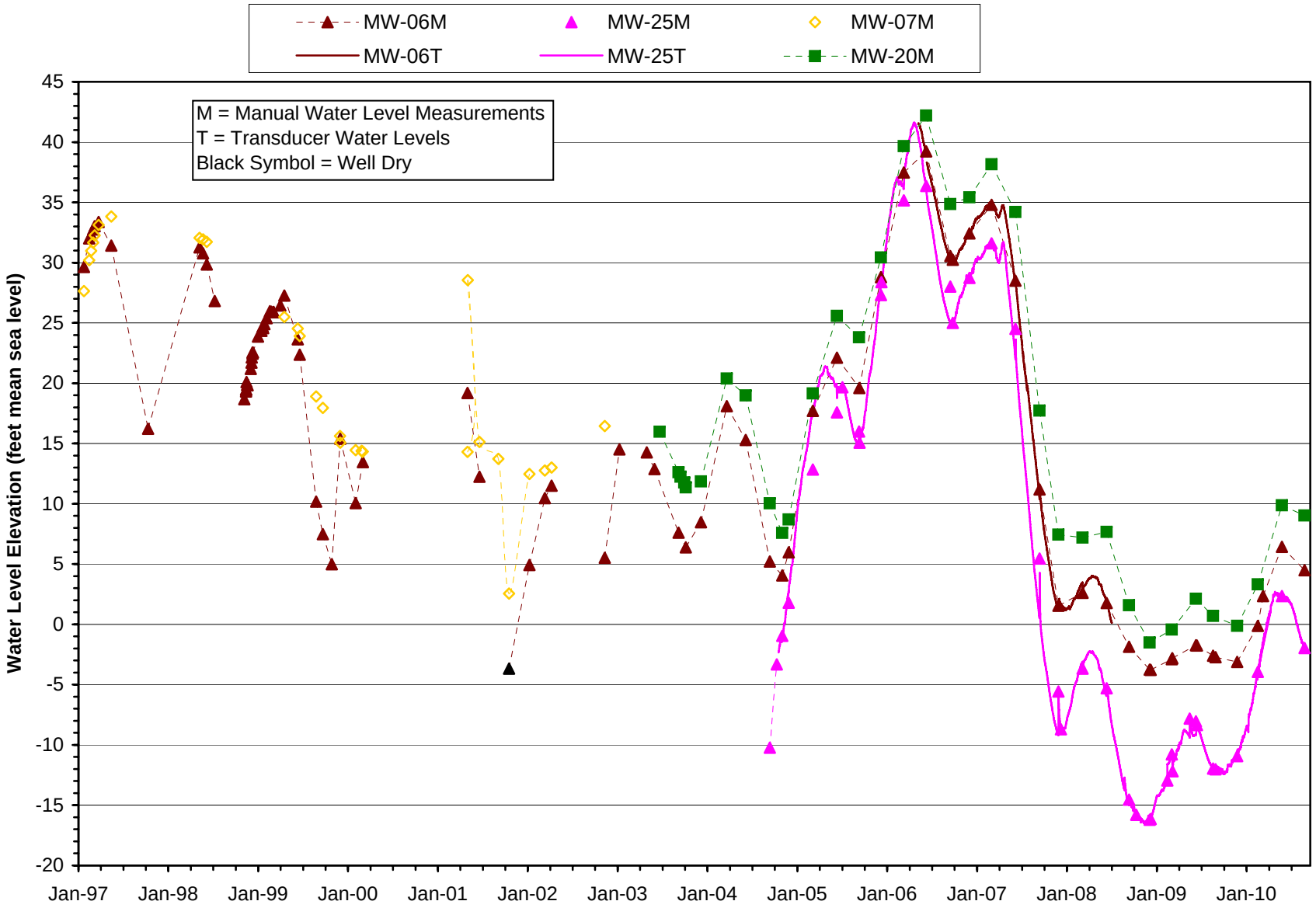



**FIGURE 6. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT BC MONITOR AND EXTRACTION WELLS**



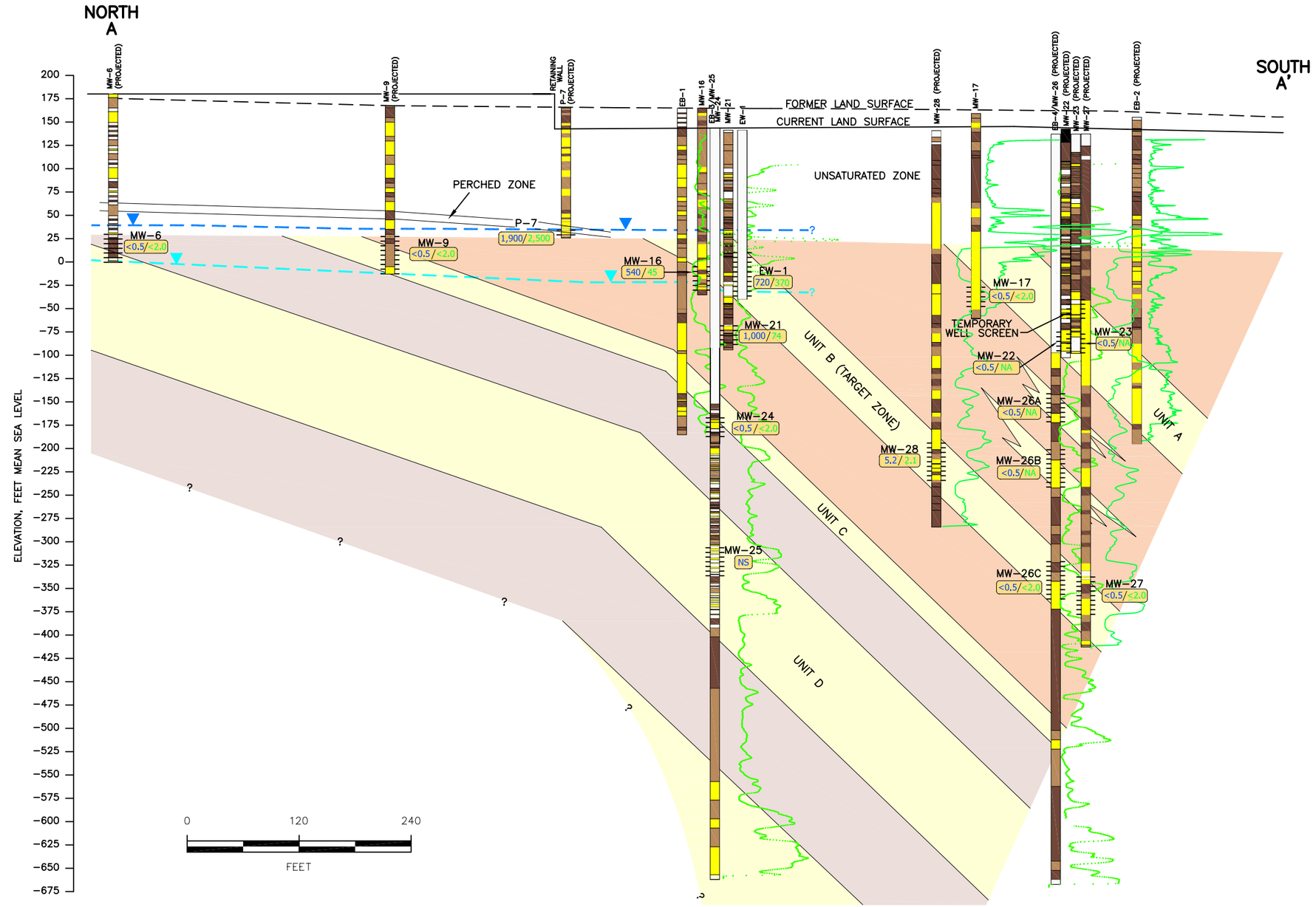

532 Rpt 2010-07 FIG7

**FIGURE 7. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT C MONITOR WELLS**




532 Rpt 2010-07 FIG8

**FIGURE 8. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT D MONITOR WELLS**



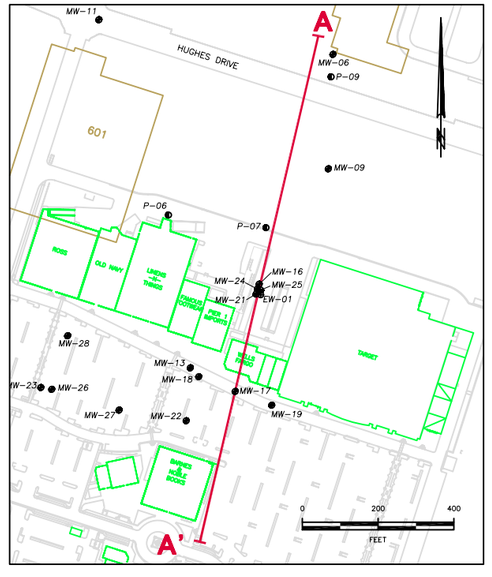

## EXPLANATION

- RELATIVELY COARSE ZONE, PREDOMINANTLY SANDS WITH LITTLE TO NO SILT OR CLAY
- MIXED ZONE, MIXTURES OF SANDS, CLAYS, AND SILTS
- RELATIVELY FINE ZONE, PREDOMINANTLY SILTS OR CLAYS WITH LITTLE TO NO SAND
- PREDOMINANTLY COARSE ZONE
- MIXED ZONE
- RELATIVELY FINE ZONE
- SCREENED INTERVAL OF MONITOR WELL
- 540 — 1,1−DICHLOROETHYLENE CONCENTRATION, MICROGRAMS PER LITER, JUNE/SEPTEMBER 2010
- 45 — 1,4−DIOXANE CONCENTRATION, MICROGRAMS PER LITER, JUNE/SEPTEMBER 2010
- NA — NOT ANALYZED FOR (SPECIFIC ANALYTE) IN JUNE/SEPTEMBER 2010
- NS — NOT SAMPLED IN JUNE/SEPTEMBER 2010
- ? — QUERIED WHERE INFERRED
- APPROXIMATE REGIONAL GROUNDWATER TABLE DURING ON−SITE HISTORICAL HIGH, JUNE 2006
- APPROXIMATE REGIONAL GROUNDWATER TABLE DURING ON−SITE HISTORICAL LOW, DECEMBER 2008

LGRD
0 (OHM−M) 100 500

RESISTIVITY LOG (ohm−m) (LATERAL OR SHORT−NORMAL) OF WELL BOREHOLE. RIGHT EDGE OF THE LITHOLOGIC LOG COLUMN IS THE ZERO ohm−m LINE.

## CROSS SECTION LOCATION




Nov 08, 2010 − 4:03pm gth − T:\2010\500−599\532 Raytheon\Hydrogeology\X−Sections\310−1035.dwg

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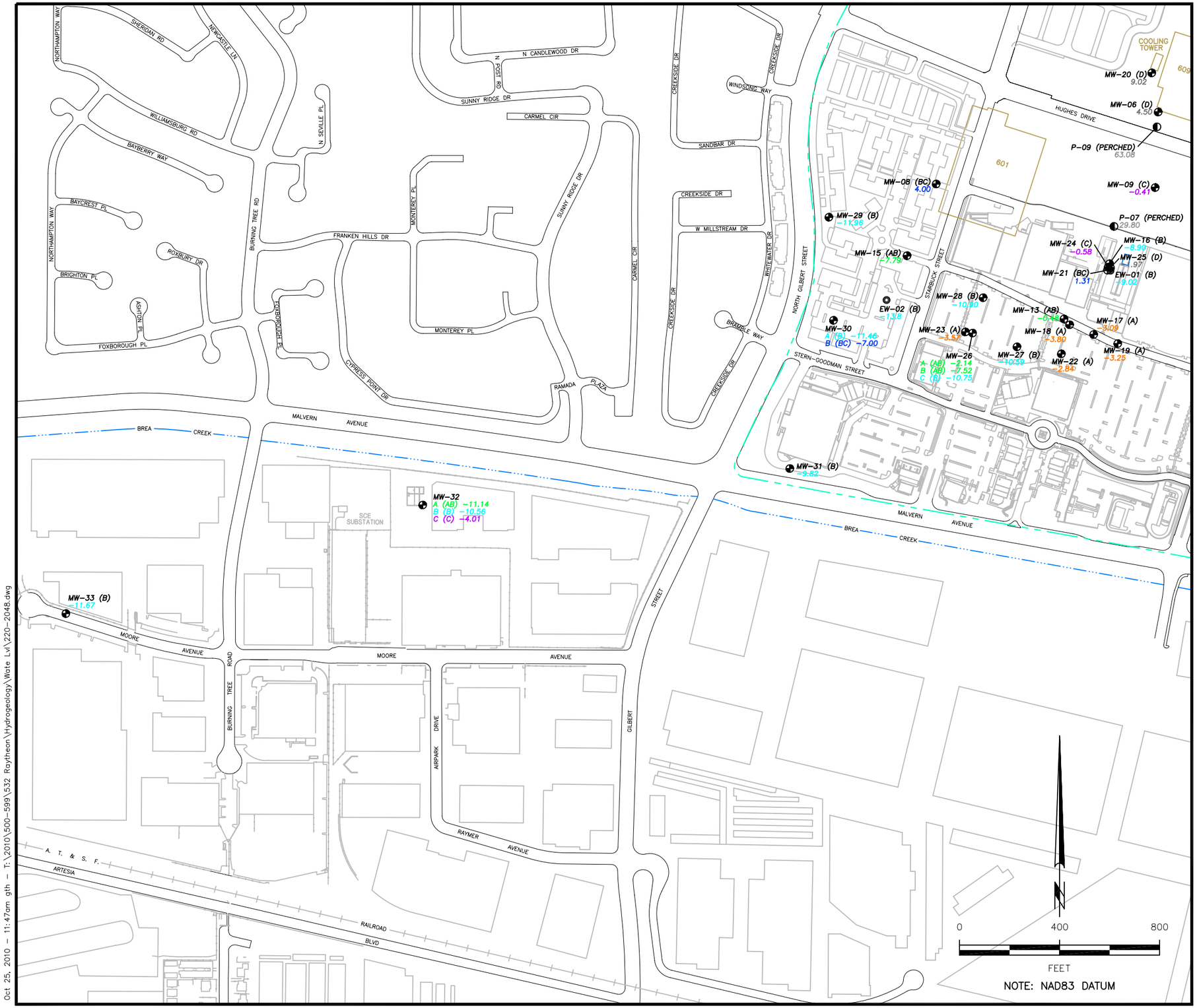
| 11/10 | RPT NO. 532.05 | 310-1035 | A |
|---|---|---|---|

**FIGURE 9.**
**CONCEPTUAL GROUNDWATER MODEL HYDROGEOLOGIC CROSS−SECTION A−A'**




## EXPLANATION

| | |
|---|---|
| MW–16 | GROUNDWATER MONITOR WELL |
| –8.90 | WATER LEVEL ELEVATION, FEET MEAN SEA LEVEL, MEASURED SEPTEMBER 7 AND 8, 2010 |
| * | ESTIMATED WATER LEVEL BASED ON THIEM EQUATION |
| P–09 | PERCHED ZONE PIEZOMETER |
| MW–25 | GROUNDWATER PIEZOMETER |
| EW–01 | GROUNDWATER EXTRACTION WELL |
| 609 | FORMER RAYTHEON BUILDING, DEMOLISHED MID–2000 |
| RETAIL | RETAIL AND COMMERCIAL BUILDINGS OF AMERIGE HEIGHTS DEVELOPMENT |
| | DRIVEWAYS, PARKING LOTS AND OTHER HARDSCAPE OF SITE RE–DEVELOPMENT |

## HYDROGEOLOGIC ZONES:

PERCHED
A
AB
B
BC
C
D

RAYTHEON COMPANY
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# WATER LEVEL ELEVATIONS SEPTEMBER 2010

HARGIS + ASSOCIATES, INC.
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10/10

FIGURE 10

PREP BY KSS REV BY SPN RPT NO. 532.31 | 220-2048 | A

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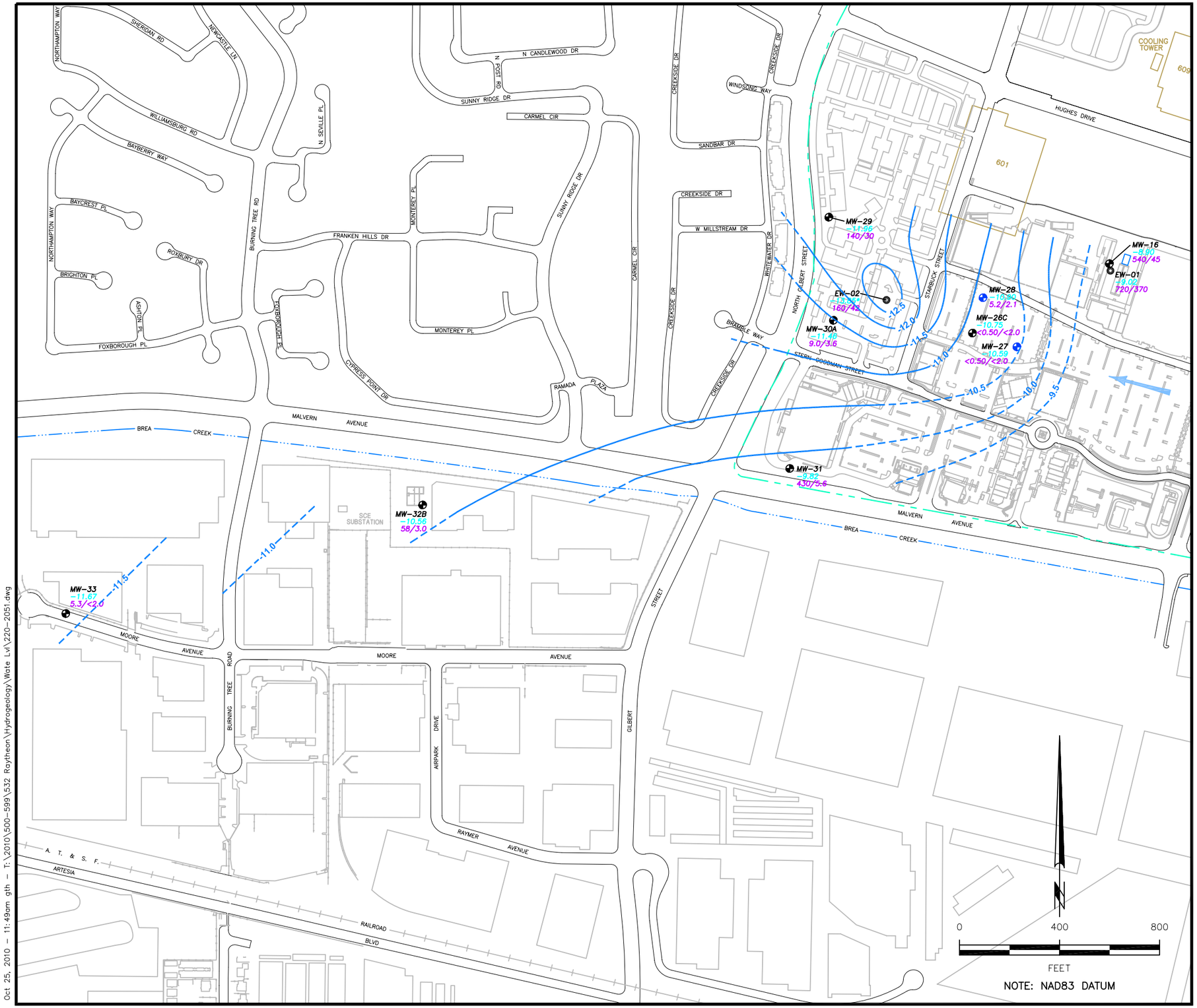


## EXPLANATION

| | |
|---|---|
| MW-29 | GROUNDWATER MONITOR WELL |
| P-09 | PERCHED ZONE PIEZOMETER |
| EW-01 | GROUNDWATER EXTRACTION WELL |
| -9.02 | WATER LEVEL ELEVATION (FEET MEAN SEA LEVEL) |
| 720/370 | CONCENTRATION OF 1,1-DCE/1,4-DIOXANE IN GROUNDWATER (MICROGRAMS PER LITER) |
| * | EXTRACTION WELL EW-02 PUMPING DURING WATER LEVEL MEASUREMENTS; ESTIMATED WATER LEVEL BASED ON THIEM EQUATION |
| -12.5- | EQUAL WATER LEVEL ELEVATION CONTOUR, DASHED WHERE APPROXIMATE (FEET MEAN SEA LEVEL) |
| 609 | FORMER RAYTHEON BUILDING, DEMOLISHED MID-2000 |
| | CURRENT RESIDENTIAL AND COMMERCIAL BUILDINGS |
| | DRIVEWAYS, PARKING LOTS AND OTHER HARDSCAPE OF SITE RE-DEVELOPMENT |
| | APPROXIMATE DIRECTION OF GROUNDWATER FLOW, SEPTEMBER 2010 |

RAYTHEON COMPANY
FULLERTON, CALIFORNIA

# WATER LEVEL AND WATER QUALITY UNIT B SEPTEMBER 2010

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FIGURE 11

PREP BY KSS REV BY SPN RPT NO. 532.31 | 220-2051 | A

Oct 25, 2010 - 11:49am gth - T:\2010\500-599\532 Raytheon\Hydrogeology\Wate Lvl\220-2051.dwg

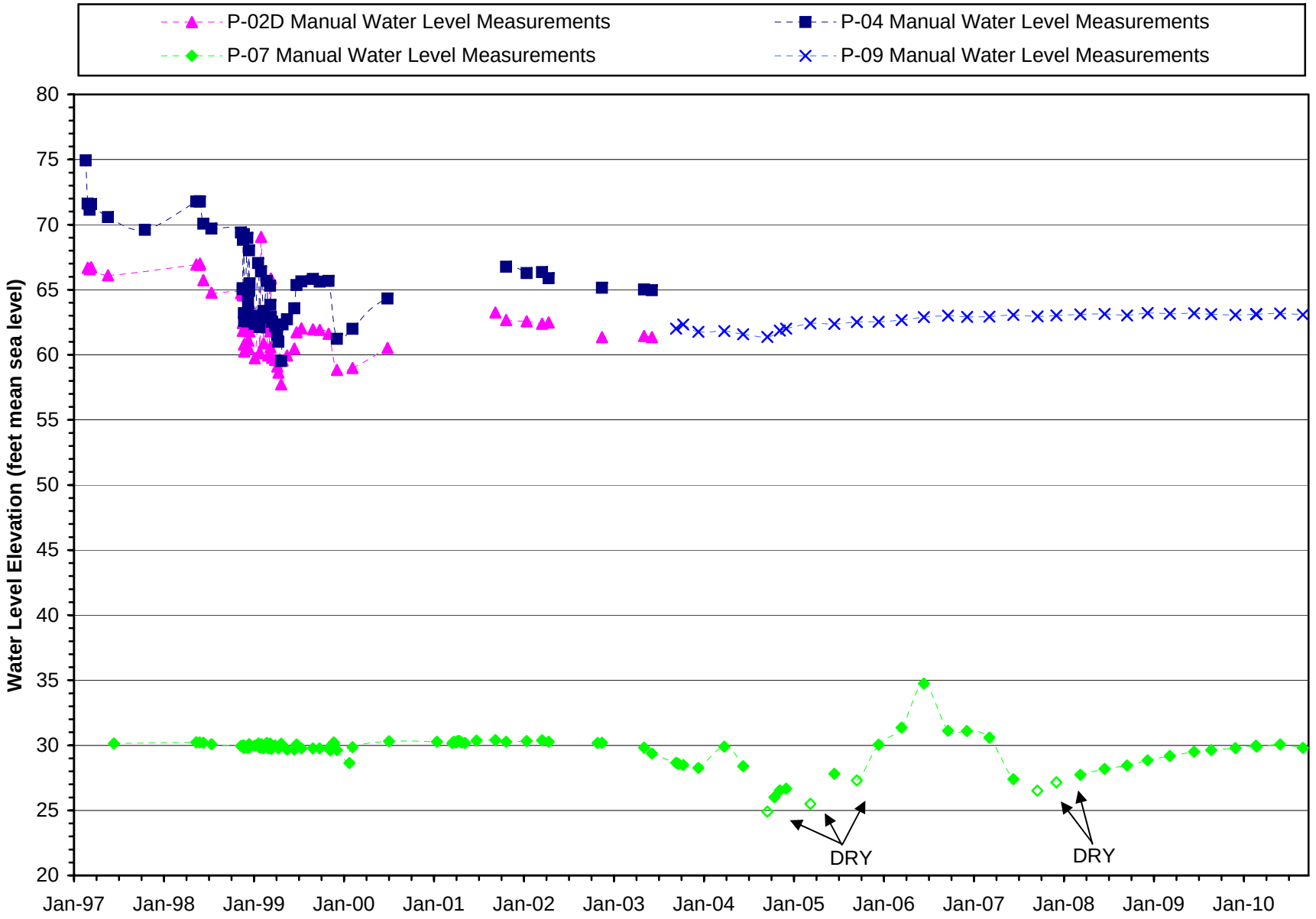





**FIGURE 12. PERCHED ZONE WATER LEVELS, CENTRAL PORTION OF SITE**

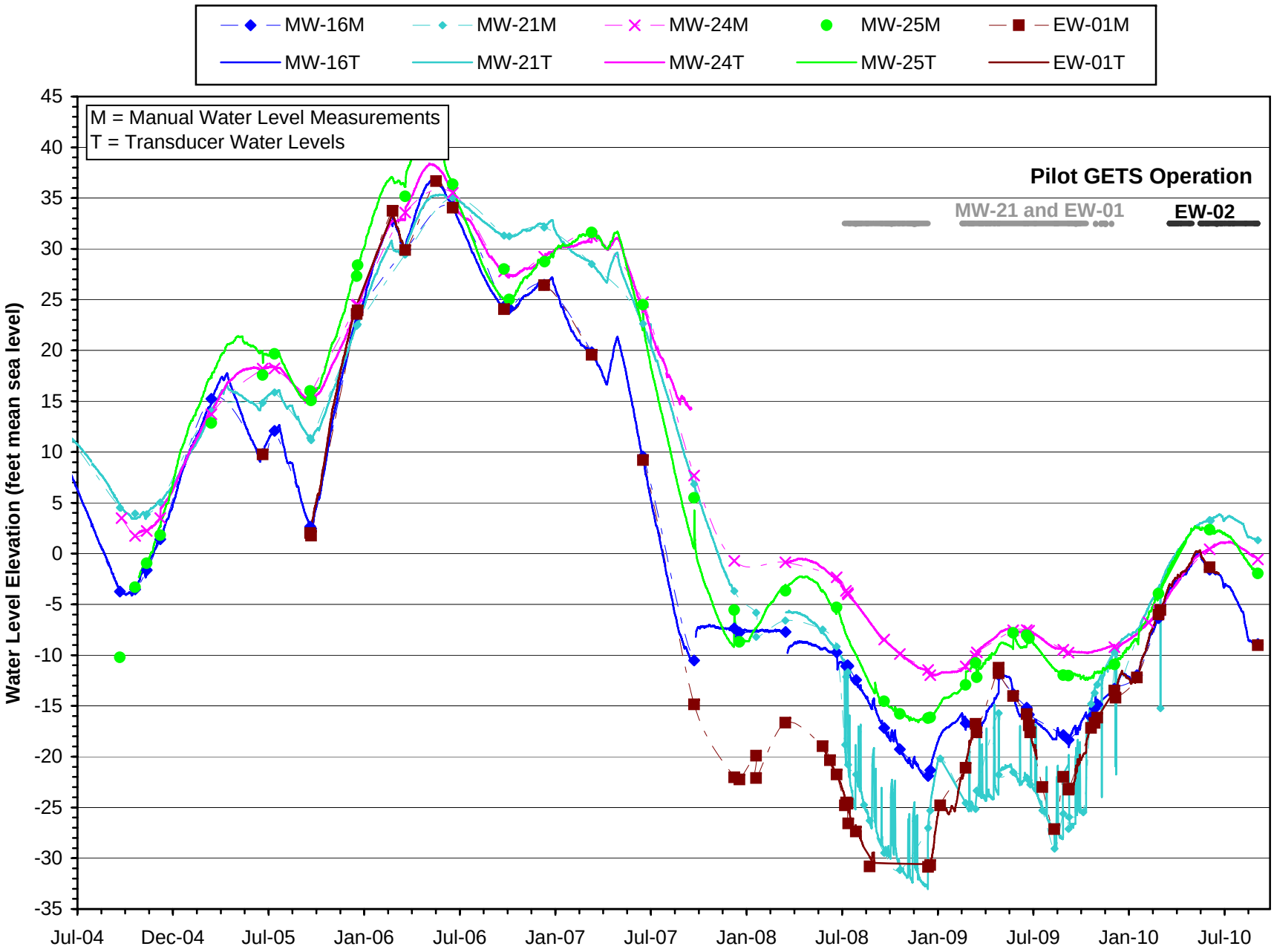



**FIGURE 13. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, MONITOR AND EXTRACTION WELL CLUSTER EW-01/MW-16/21/24/25**

HARGIS + ASSOCIATES, INC.

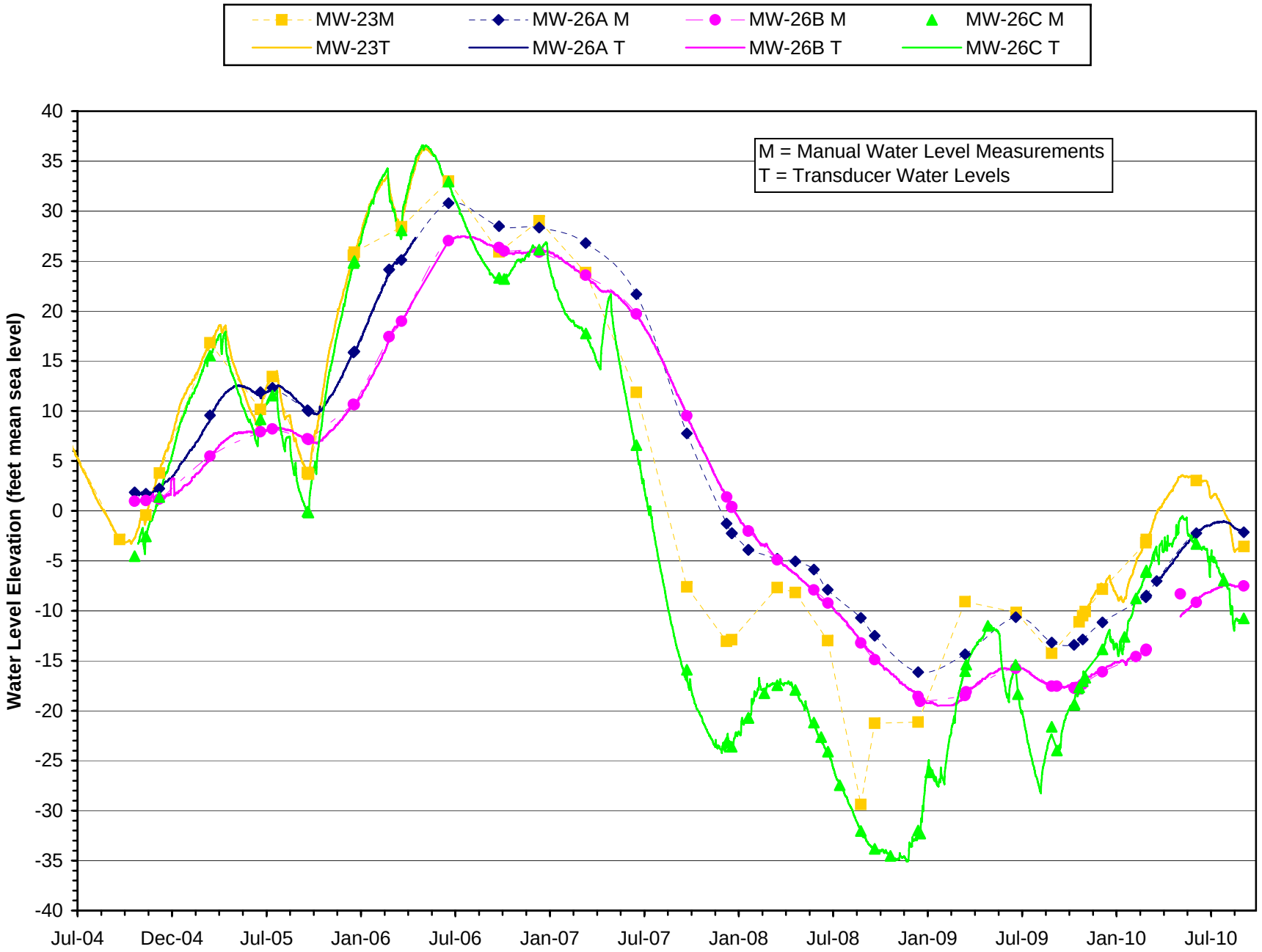
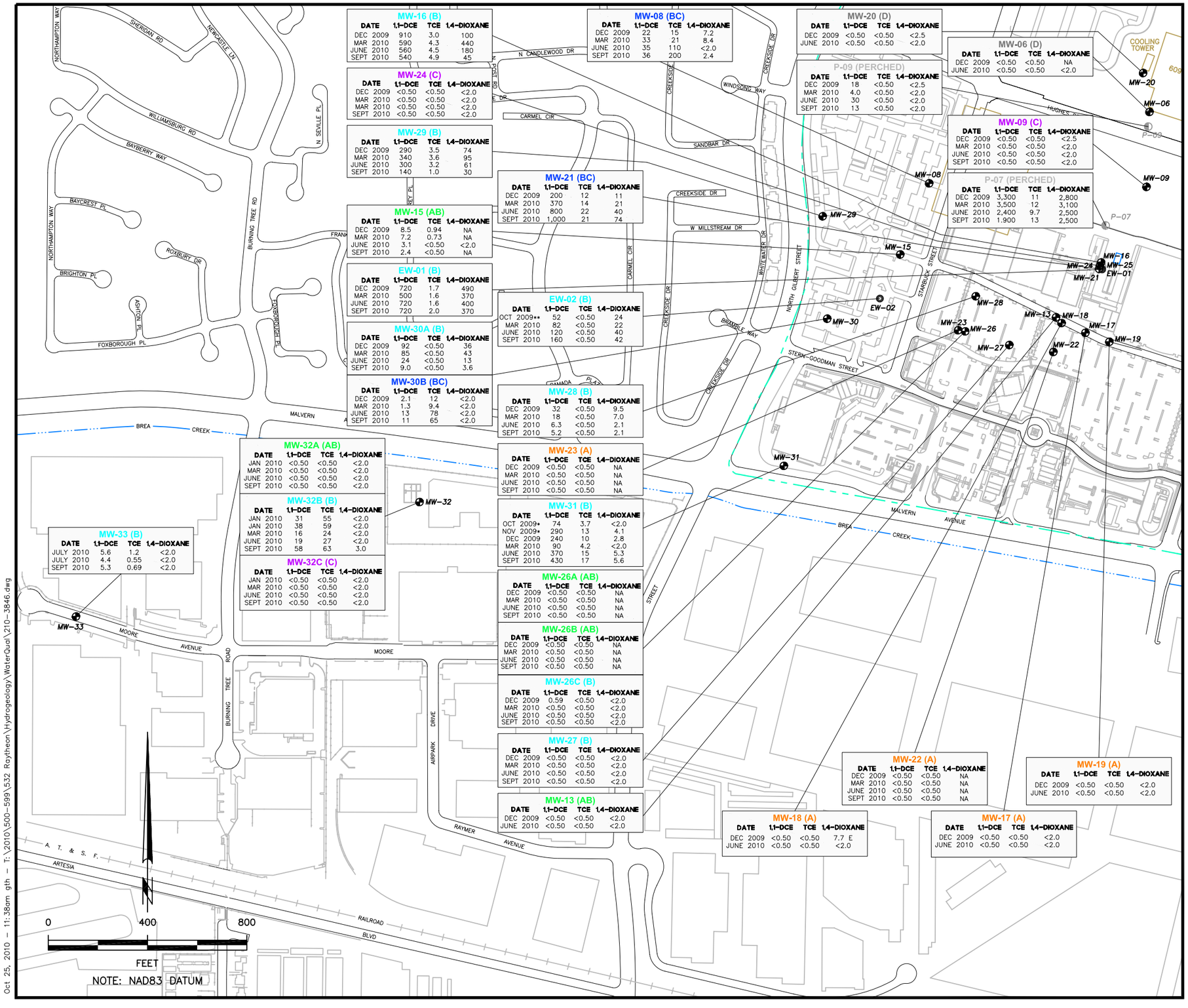



**FIGURE 14. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, MONITOR WELL CLUSTER MW-23/26A/26B/26C**




## EXPLANATION

| | |
|---|---|
| MW–09 | GROUNDWATER MONITOR WELL |
| P–09 | PERCHED ZONE PIEZOMETER |
| MW–25 | GROUNDWATER PIEZOMETER |
| EW–01 | GROUNDWATER EXTRACTION WELL |
| 1,1–DCE | 1,1–DICHLOROETHENE |
| TCE | TRICHLOROETHENE |
| < | LESS THAN; VALUE IS THE LIMIT OF DETECTION FOR THAT COMPOUND |
| NA | NOT ANALYZED |
| E | RESULT QUALIFIED AS "ESTIMATED" IN ACCORDANCE WITH QUALITY CONTROL CRITERIA |
| 609 | FORMER RAYTHEON BUILDING, DEMOLISHED MID–2000 |
| RETAIL | RETAIL AND COMMERCIAL BUILDINGS OF AMERIGE HEIGHTS DEVELOPMENT |
| | DRIVEWAYS, PARKING LOTS AND OTHER HARDSCAPE OF SITE RE–DEVELOPMENT |

NOTES:

1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER.
2. QUARTERLY/SEMIANNUAL GROUNDWATER SAMPLE RESULTS FROM PAST 1 YEAR ARE POSTED. UNLESS OTHERWISE INDICATED, SEE TABLES FOR SUMMARY OF ALL HISTORICAL RESULTS.

HYDROGEOLOGIC ZONES:

| | |
|---|---|
| PERCHED | BC |
| A | C |
| AB | D |
| B | |

RAYTHEON COMPANY
FULLERTON, CALIFORNIA

# SELECTED VOLATILE ORGANIC COMPOUNDS AND 1,4–DIOXANE IN THE REGIONAL GROUNDWATER SYSTEM

HARGIS + ASSOCIATES, INC.
Hydrogeology/Engineering

10/10

FIGURE 15

PREP BY KSS REV BY SPN RPT NO. 532.31 | 210-3846 | A

Oct 25, 2010 – 11:38am gth – T:\2010\500–599\532 Raytheon\Hydrogeology\WaterQual\210–3846.dwg

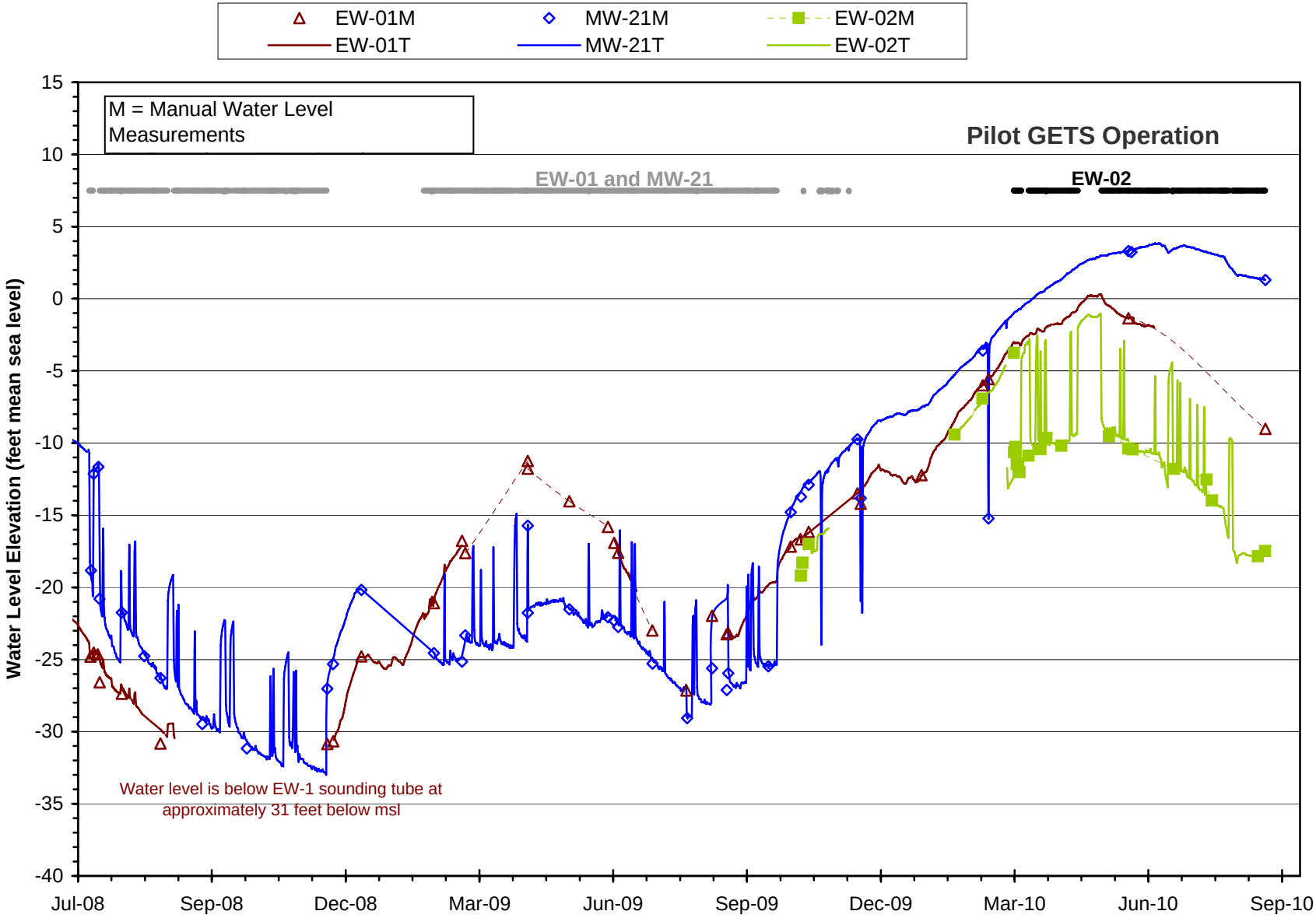



**FIGURE 16.**
**PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM OPERATION AND EXTRACTION WELL WATER LEVELS**

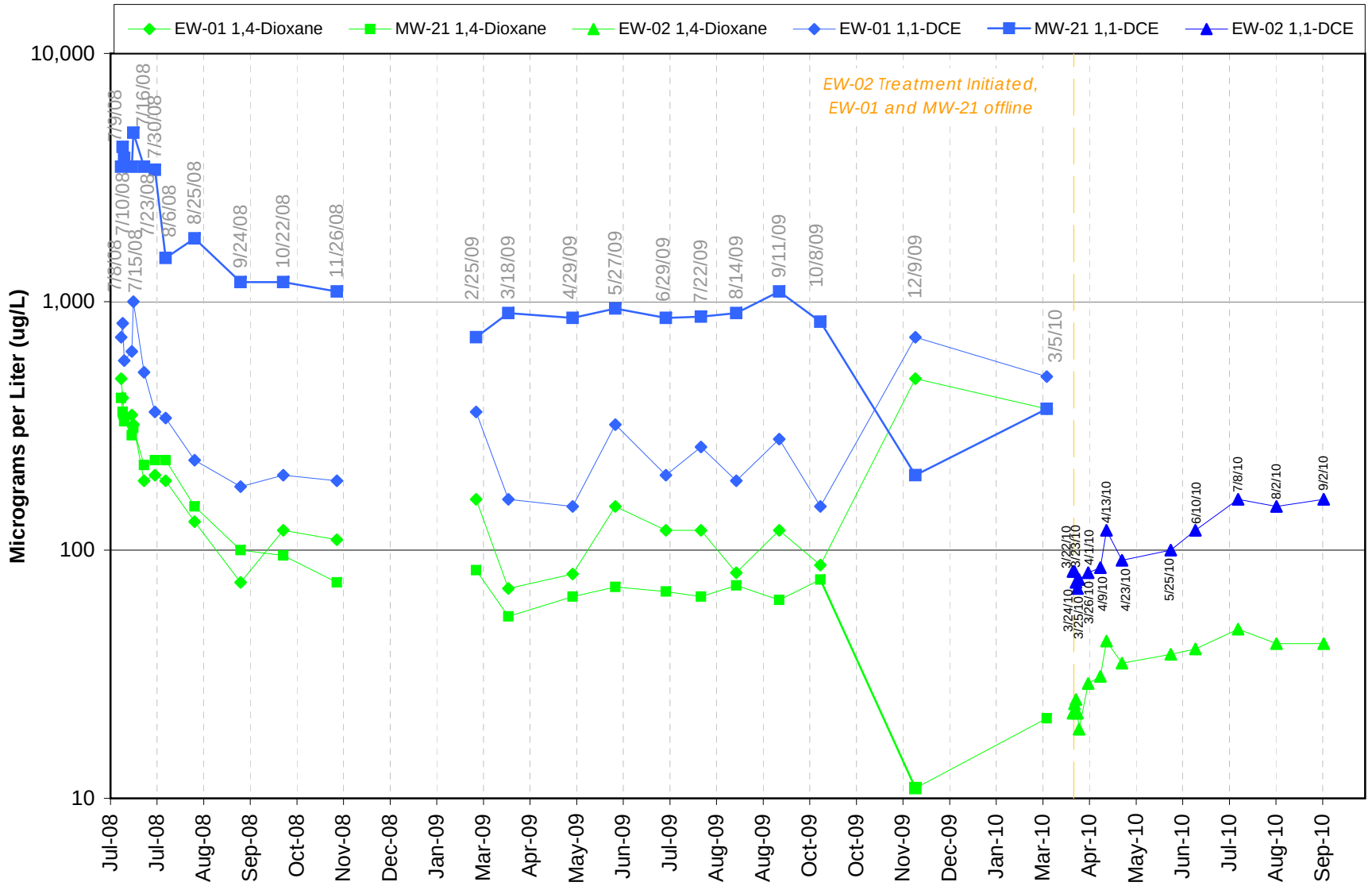
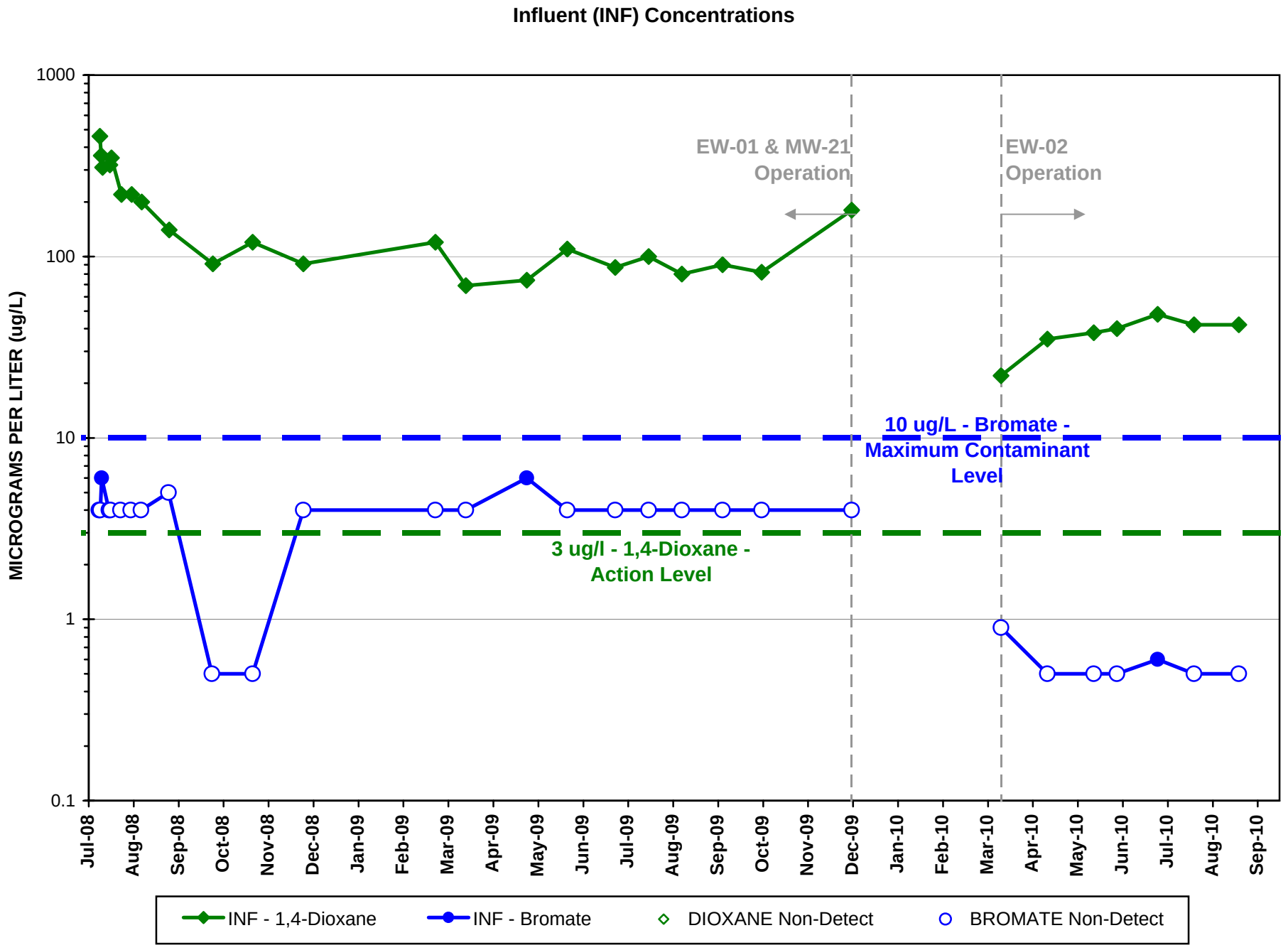



**FIGURE 17. 1,1-DICHLOROETHYLENE AND 1,4-DIOXANE IN EXTRACTION WELLS EW-01, MW-21, AND EW-02**



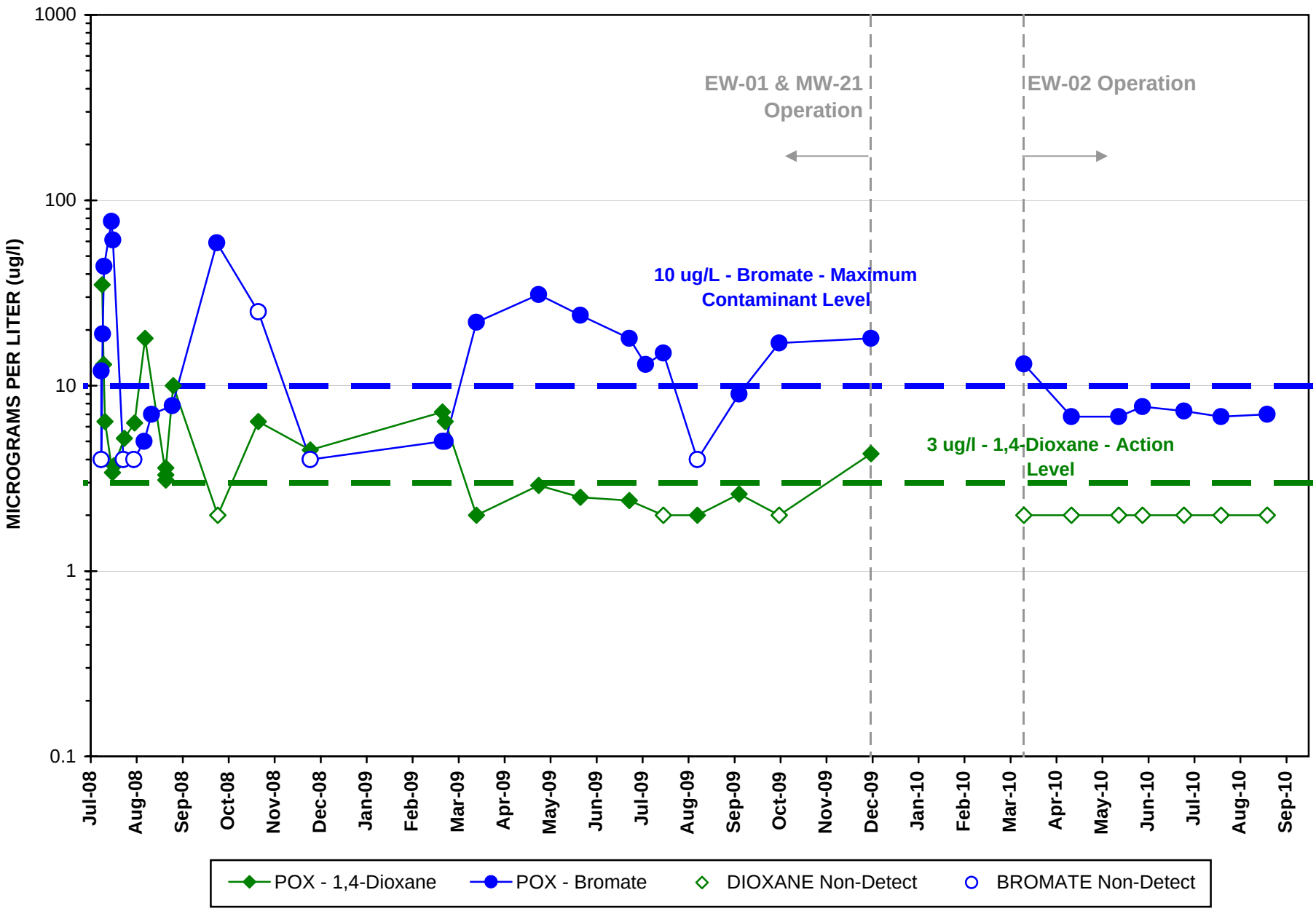




**FIGURE 18. 1,4-DIOXANE AND BROMATE IN INFLUENT AND POST-OX. SAMPLES**

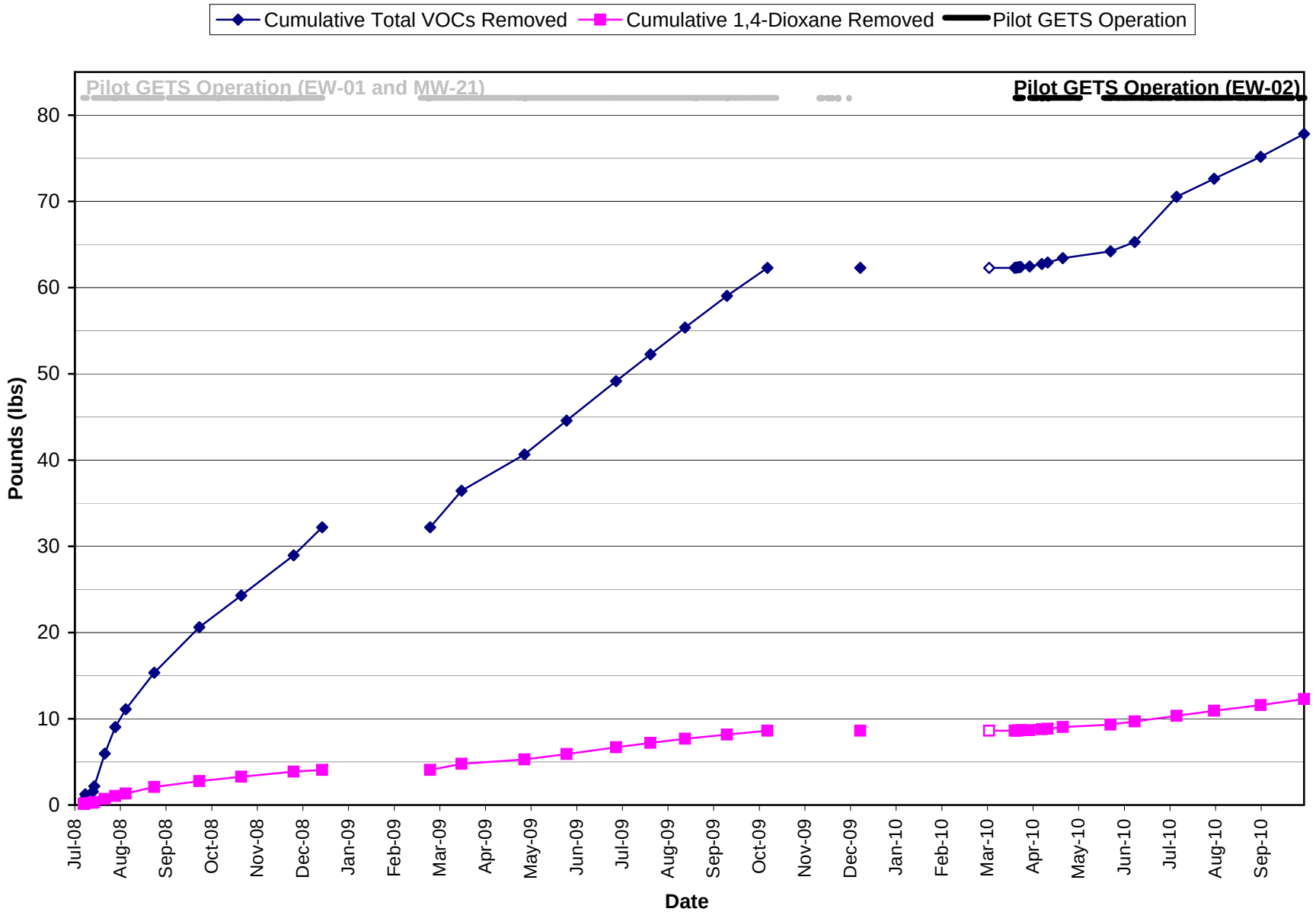



**FIGURE 19.**
**PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM MASS REMOVAL**

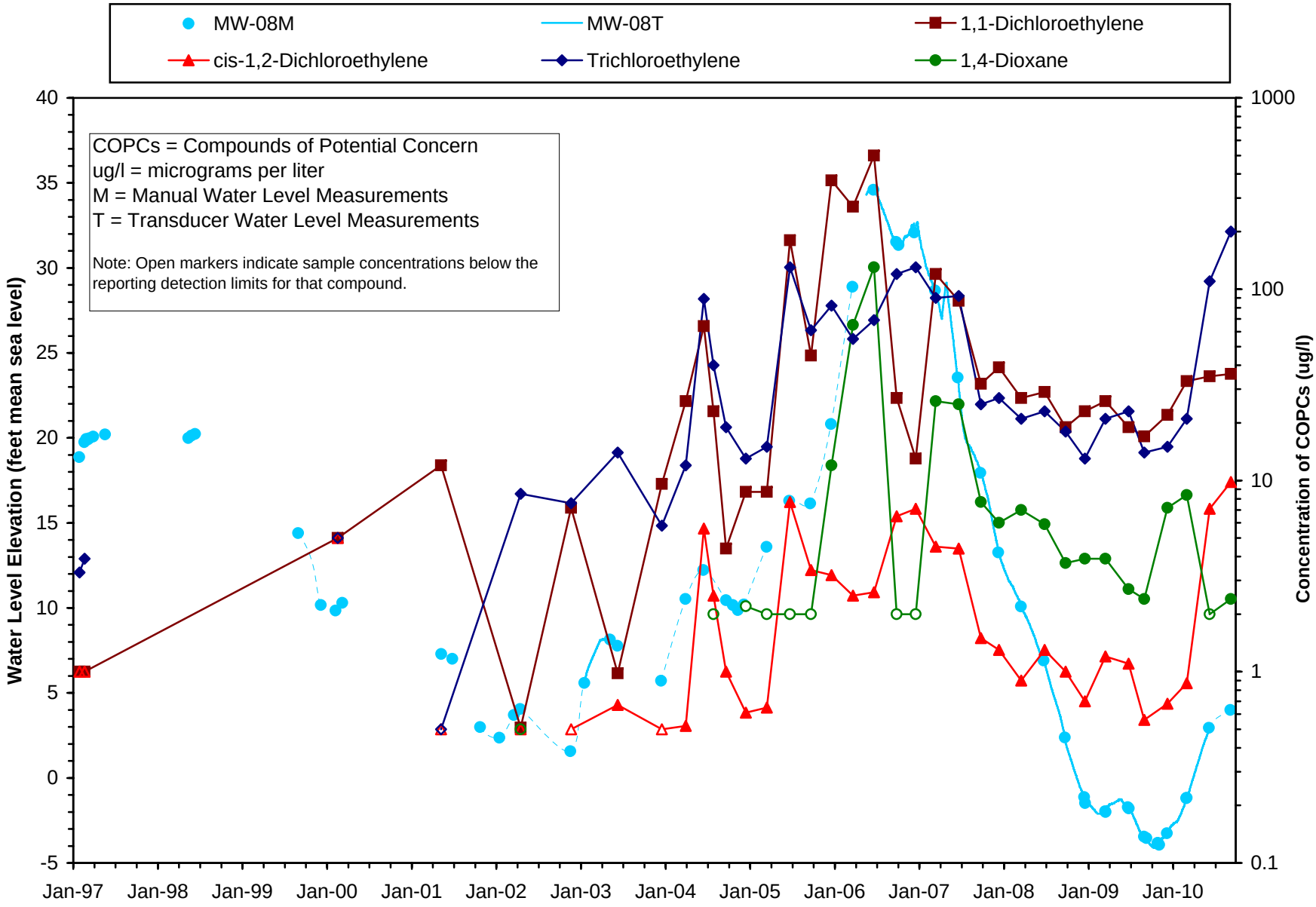





**FIGURE 20. WATER LEVEL AND WATER QUALITY, MONITOR WELL MW-08**