



Technical Memorandum

2010 Groundwater Monitoring Summary (Including Fourth Quarter 2010 Groundwater Sampling Event) National Aeronautics and Space Administration Jet Propulsion Laboratory, Pasadena, California

Final

February 2011

This technical memorandum summarizes the results for the fourth quarter 2010 groundwater sampling event completed as part of the groundwater monitoring program at the National Aeronautics and Space Administration (NASA) Jet Propulsion Laboratory (JPL).

INTRODUCTION

During the fourth quarter 2010 sampling event, groundwater samples were collected from 25 JPL monitoring wells (MWs), both on- and off-facility, and analyzed for volatile organic compounds (VOCs), total chromium, hexavalent chromium [Cr(VI)], and perchlorate. Figure 1 shows the locations of the groundwater monitoring wells.

Groundwater samples were shipped to Alpha Analytical Services, Inc., in Sparks, Nevada, and Columbia Analytical Services (CAS) in Simi Valley, California, for chemical analysis. Alpha Analytical Services, Inc. and CAS are certified by the California Department of Public Health (DPH). Sample collection procedures and sample analyses were conducted in accordance with the approved *Work Plan for Performing a Remedial Investigation/Feasibility Study*.¹ No reported data were rejected for non-compliance with method requirements during the course of validation and no reported data were deemed unusable.

Table 1 summarizes analytical results for VOCs and perchlorate and Table 2 summarizes analytical results for metals during the most recent four quarters. Table 3 summarizes VOC and perchlorate concentrations in production wells located near the JPL facility during the most recent four quarters. The tentatively identified compound (TIC) results are presented in Table 4.

Several figures are included in this technical memorandum summarizing the results from the fourth quarter 2010 sampling event. Figure 2 shows the lateral extent of carbon tetrachloride concentrations in groundwater, and Figure 3 includes a cross-section detailing the horizontal and vertical extent of carbon tetrachloride. Figure 4 shows the lateral extent of perchlorate concentrations in groundwater, and Figure 5 includes a cross-section detailing the horizontal and vertical extent of perchlorate in groundwater. Figure 6 shows the lateral extent of tetrachloroethene (PCE) concentrations in groundwater. Figure 7 shows the lateral extent of trichloroethene (TCE) concentrations in groundwater and Figure 8 shows groundwater elevation contours and groundwater flow directions.

The groundwater monitoring wells have been grouped into four categories:

- On-facility source area wells (MW-7, MW-13, MW-16, and MW-24);
- Other on-facility wells (MW-6, MW-8, MW-11, MW-22, and MW-23);
- Perimeter off-facility wells (MW-1, MW-3, MW-4, MW-5, MW-9, MW-10, MW-12, MW-14, and MW-15); and
- Off-facility wells (MW-17, MW-18, MW-19, MW-20, MW-21, MW-25, and MW-26).

¹ Ebasco. 1993. *Work Plan for Performing a Remedial Investigation/Feasibility Study*, National Aeronautics and Space Administration Jet Propulsion Laboratory, Pasadena, California. December.

Well MW-2 has not been sampled for the groundwater monitoring program since it was replaced with well MW-14.

ON-FACILITY SOURCE AREA WELLS

On-facility source area wells consist of wells which have historically contained the highest concentration of site-related chemicals. This group of wells is located within the JPL facility (on-facility) and consists of monitoring wells MW-7, MW-13, MW-16, and MW-24.

In March 2005, NASA began full-scale operation of a groundwater treatment system located in the vicinity of MW-7. The treatment system was designed to extract groundwater from the area within the JPL facility which has historically contained the highest concentrations of perchlorate and VOCs (i.e., the source area). The groundwater is treated at an aboveground treatment facility to remove perchlorate and VOCs, filtered to remove residual solids, and then re-injected at a location north (i.e., upgradient) of wells MW-7 and MW-24. The source area treatment system expansion activities were completed at the end of January 2008. The expansion addresses chemicals in the groundwater that are in the vicinity of MW-16 and MW-24. Operation of the source area treatment system appears to have resulted in a significant reduction of chemicals of interest in wells MW-7, MW-16 and MW-24, which are located within the treatment zone. Additional details regarding chemical concentrations in these wells are discussed below.

PERCHLORATE ANALYTICAL RESULTS

- During the fourth quarter 2010 sampling event, concentrations of perchlorate in excess of the state maximum contaminant level (MCL) (6.0 micrograms per liter [$\mu\text{g}/\text{L}$]) were reported in samples collected from wells MW-7 (9.7 $\mu\text{g}/\text{L}$), MW-13 (823 $\mu\text{g}/\text{L}$) and MW-24 (Screens 1 [9.2 $\mu\text{g}/\text{L}$] and 2 [11.1 $\mu\text{g}/\text{L}$]).
- Perchlorate concentrations increased slightly from their respective last sampling date to the fourth quarter 2010 in MW-24 (Screen 1 [5.8 $\mu\text{g}/\text{L}$ to 9.2 $\mu\text{g}/\text{L}$]).
- Perchlorate concentrations remained stable or decreased from their respective last sampling date to the fourth quarter 2010 in MW-7 (10.0 $\mu\text{g}/\text{L}$ to 9.7 $\mu\text{g}/\text{L}$), MW-13 (1,040 $\mu\text{g}/\text{L}$ to 823 $\mu\text{g}/\text{L}$) and MW-24 (Screen 4 1.3 $\mu\text{g}/\text{L}$ to non-detect).
- Perchlorate concentrations in MW-16 and MW-24 (Screens 3, 4 and 5) were non-detect during the fourth quarter 2010, with a reporting limit of 1.0 $\mu\text{g}/\text{L}$.

VOC ANALYTICAL RESULTS

- During the fourth quarter 2010, carbon tetrachloride was detected at a concentration in excess of the state MCL (0.5 $\mu\text{g}/\text{L}$) in MW-13 (0.9 $\mu\text{g}/\text{L}$). This was the only carbon tetrachloride detection in the on-facility source area wells.
- In 2010, carbon tetrachloride was detected in excess of the state MCL (0.5 $\mu\text{g}/\text{L}$) in MW-13 (third and fourth quarters) and MW-24 (Screen 1 [first quarter]). No other detections occurred during 2010.
- During the fourth quarter 2010, TCE was detected in MW-13 at 1.6 $\mu\text{g}/\text{L}$, which is below the state and federal MCL of 5.0 $\mu\text{g}/\text{L}$. In 2010, TCE concentrations in MW-13 remained relatively consistent, ranging from non-detect to 1.6 $\mu\text{g}/\text{L}$.
- PCE was not detected in any of the on-facility source area wells during the fourth quarter 2010 with a reporting limit of 0.5 $\mu\text{g}/\text{L}$. In 2010, PCE was detected in MW-13 (first quarter) and MW-

24 (Screen 1 [first quarter]); however, these detections were below the state and federal MCL of 5.0 µg/L. No other PCE detections occurred during 2010.

•

OTHER NOTABLE DETECTIONS

- During the fourth quarter 2010, Cr(VI)² was detected below the state MCL of 50.0 µg/L in MW-13 (9.0 µg/L).
- In 2010, Cr(VI) was detected in MW-7 (third quarter), MW-13 (third quarter) and MW-16 (second quarter); however, concentrations were below the state MCL of 50.0 µg/L.
- During the fourth quarter 2010, total chromium was detected at MW-13 (8.1 µg/L), MW-16 (32.0 µg/L) and MW-24 (Screen 1 [6.0 µg/L]) below the state MCL of 50.0 µg/L.
- During the four quarters of 2010, total chromium was detected in MW-7, MW-13, MW-16 and MW-24 (Screen 1); however, concentrations were below the state MCL of 50.0 µg/L.
- In 2010, total chromium concentrations in MW-24 (Screen 1) remained relatively consistent, ranging from 6.0 µg/L to 25.0 µg/L.

OTHER ON-FACILITY WELLS

This well group consists of monitoring wells MW-6, MW-8, MW-11, MW-22, and MW-23. These wells are located on the JPL facility but outside the source area.

PERCHLORATE ANALYTICAL RESULTS

- During the fourth quarter 2010 sampling event, perchlorate in excess of the state MCL (6.0 µg/L) was detected in MW-23 (Screen 1 [30.4 µg/L]).
- Perchlorate was detected in MW-6 (3.3 µg/L), MW-22 (Screens 1 [2.3 µg/L], 2 [2.6 µg/L] and 3 [2.0 µg/L]) and MW-23 (Screens 2 [4.4 µg/L] and 3 [2.2 µg/L]) below the state MCL of 6.0 µg/L.
- Perchlorate concentrations increased slightly from their respective last sampling date to the fourth quarter 2010 in MW-6 (3.0 µg/L to 3.3 µg/L), MW-22 (Screen 2 [2.4 µg/L to 2.6 µg/L]) and MW-23 (Screens 1 and 3 [28.3 µg/L to 30.4 µg/L and 1.7 µg/L to 2.2 µg/L, respectively]).
- Perchlorate concentrations decreased from their respective last sampling event to the fourth quarter 2010 in MW-11 (10.5 µg/L to non-detect), MW-22 (Screens 1 [2.7 µg/L to 2.3 µg/L] and 3 [2.6 µg/L to 2.0 µg/L]) and MW-23 Screens 2 [4.9 µg/L to 4.4 µg/L], 4 [1.3 µg/L to non-detect] and 5 [1.2 µg/L to non-detect]).
- From the second quarter 2009 to the fourth quarter 2010, perchlorate concentrations in MW-8 have fluctuated from a low of non-detect (third and fourth quarters 2010) to a high of 203 µg/L (fourth quarter 2009).
- Historically, the perchlorate concentrations in MW-23 (Screens 1 through 5) have been non-detect with an occasional detection below the state MCL (6.0 µg/L), and some isolated perchlorate detections that exceeded the state MCL in MW-23 (Screens 1, 2 and 5) between 1997 and 2008. The detections of 28.3 µg/L and 30.4 µg/L (third and fourth quarters 2010, respectively) in Screen 1 are the only detections in MW-23 above the state MCL (6.0 µg/L) since the second quarter 1999. Perchlorate results in MW-23 will continue to be evaluated during subsequent sampling events.

² California DPH released a draft Public Health Goal (PHG) for hexavalent chromium of 0.06 µg/L on August 20, 2009.

- During the fourth quarter 2010, perchlorate was not detected in MW-8, MW-11 (Screens 1 through 5), MW-22 (Screens 4 and 5) and MW-23 (Screens 4 and 5) with a reporting limit of 1.0 µg/L.

VOC ANALYTICAL RESULTS

- Carbon tetrachloride was not detected in any of the other on-facility wells during any of the four quarters of 2010.
- During the fourth quarter 2010, TCE was detected below the state and federal MCL of 5.0 µg/L in MW-6 (3.0 µg/L) and MW-23 (Screen 2 [1.4 µg/L]).
- Detections of TCE in MW-6, MW-22 (Screen 1) and MW-23 (Screens 1 and 2) were relatively consistent (low detections or non-detect) in 2010 and remained below the state and federal MCL of 5.0 µg/L.
- PCE was detected in wells MW-6 (1.1 µg/L), MW-22 (Screen 1 [2.0 µg/L]) and MW-23 (Screens 1 [0.6 µg/L] and 2 [0.6 µg/L]); however, the state and federal MCL for PCE (5.0 µg/L) was not exceeded in any of these wells. Consistent levels of PCE were detected in these wells throughout 2010.

OTHER NOTABLE DETECTIONS

- During the four quarters of 2010, Cr(VI) was not detected in any of the other on-facility wells with a reporting limit of 10.0 µg/L.
- During the fourth quarter of 2010, total chromium was not detected in any of the other on-facility wells with a reporting limit of 5.0 µg/L.
- During the four quarters of 2010, total chromium was only detected in MW-23 (Screens 2 and 3) during the third quarter; however, concentrations were below the state MCL of 50.0 µg/L.

PERIMETER OFF-FACILITY WELLS

The perimeter off-facility wells are located near the JPL fence line along the perimeter of the property. This group of wells consists of MW-1, MW-3, MW-4, MW-5, MW-9, MW-10, MW-12, MW-14, and MW-15.

PERCHLORATE ANALYTICAL RESULTS

- During the fourth quarter 2010 sampling event, concentrations of perchlorate in excess of the state MCL (6.0 µg/L) were reported in samples collected from wells MW-3 (Screen 2 [180 µg/L]), MW-10 (75.9 µg/L), MW-12 (Screen 2 [6.1 J µg/L]) and MW-14 (Screen 3 [6.0 µg/L]).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-4 (Screen 2 [3.7 µg/L]), MW-12 (Screens 3 through 5 [1.8 J µg/L, 3.3 J µg/L and 1.9 J µg/L, respectively]) and MW-14 (Screens 1, 2 and 4 [2.7 µg/L, 2.8 µg/L and 4.5 µg/L, respectively]).
- Perchlorate concentrations increased from their last sampling date to the fourth quarter 2010 in MW-3 (Screen 2 [164.0 µg/L to 180 µg/L]), MW-10 (52.8 J µg/L to 75.9 µg/L), MW-12 (Screen 2 [5.5 µg/L to 6.1 J µg/L]) and MW-14 (Screens 3 [5.6 µg/L to 6.0 µg/L] and 4 [4.2 µg/L to 4.5 µg/L]).
- Perchlorate concentrations decreased slightly from their last sampling event to the fourth quarter 2010 in MW-4 (Screen 2 [3.8 µg/L to 3.7 µg/L]), MW-12 (Screens 3 [1.8 J µg/L to 1.6 J µg/L], 4 [3.6 µg/L to 3.3 J µg/L], and 5 [3.2 µg/L to 1.9 J µg/L]) and MW-14 (Screen 1 [3.1 µg/L to 2.7 µg/L]).

- Perchlorate concentrations in MW-10 have generally demonstrated a decreasing trend since July/September 2005; however, the last three quarters have shown increased values. Perchlorate results in MW-10 will continue to be closely evaluated during subsequent sampling events.
- Perchlorate was not detected in MW-1, MW-3 (Screens 1, 3, 4 and 5), MW-4 (Screens 1, 3, 4 and 5), MW-5, MW-9, MW-12 (Screen 1), MW-14 (Screen 5) and MW-15 with a reporting limit of 1.0 µg/L.
- Perchlorate concentrations in MW-1, MW-3 (Screens 1 and 5), MW-4 (Screens 3, 4 and 5), MW-5, MW-9, MW-14 (Screen 5) and MW-15 were non-detect throughout 2010.

VOC ANALYTICAL RESULTS

- During the fourth quarter 2010, carbon tetrachloride was detected at a concentration in excess of the state MCL (0.5 µg/L) in MW-12 (Screens 3 [0.8 µg/L], 4 [1.0 µg/L] and 5 [0.5 µg/L]).
- In 2010, detections of carbon tetrachloride in MW-12 (Screens 3, 4 and 5) remained relatively consistent, ranging from non-detect to 4.3 µg/L.
- During the fourth quarter 2010, TCE was detected below the state and federal MCL of 5.0 µg/L in wells MW-4 (Screen 2 [0.6 µg/L]), MW-10 (3.3 µg/L) and MW-14 (Screens 1 [3.6 µg/L], 2 [4.6 µg/L] and 3 [1.2 µg/L]). Prior to the first quarter 2007, TCE concentrations in MW-10 had been consistently detected above the state and federal MCL of 5.0 µg/L. Historically, TCE detections were present in MW-14 (Screen 2) and this quarter is the first detection below the state and federal MCL (5.0 µg/L) since the third quarter 2007.
- In 2010, TCE concentrations in MW-4 (Screen 2) remained relatively consistent, ranging from 0.6 µg/L to 0.9 µg/L.
- In 2010, TCE concentrations in MW-10 ranged from 2.4 µg/L to 5.1 µg/L.
- In 2010, TCE concentrations in MW-14 (Screen 1) ranged from 3.2 µg/L to 4.9 µg/L.
- TCE concentrations in MW-14 (Screen 2) were above the state and federal MCL (5.0 µg/L) during three of the four quarters in 2010, ranging from non-detect (fourth quarter) to 11.0 µg/L (first quarter).
- In 2010, TCE concentrations in MW-14 (Screen 3) remained relatively consistent, ranging from 1.1 µg/L to 2.1 µg/L.
- During the fourth quarter 2010, PCE was detected below the state and federal MCL of 5.0 µg/L in MW-4 (Screen 2 [0.7 µg/L]).
- In 2010, PCE was detected in MW-4 (Screen 2), MW-10 and MW-14 (Screens 2 and 3); however, no detection exceeded the state and federal MCL of 5.0 µg/L.

OTHER NOTABLE RESULTS

- During the fourth quarter of 2010, Cr(VI) was not detected in any of the perimeter off-facility wells with a reporting limit of 10.0 µg/L.
- In 2010, Cr(VI) was only detected in MW-10 during the third quarter; however, concentrations were below the state MCL of 50.0 µg/L.
- During the fourth quarter 2010, total chromium was detected below the state MCL of 50.0 µg/L in MW-10 (5.7 µg/L).
- During the four quarters of 2010, total chromium was detected in MW-4 (Screen 5), MW-10 and MW-12 (Screen 1); however, concentrations were below the state MCL of 50.0 µg/L.
- In 2010, total chromium concentrations in MW-10 remained relatively consistent, ranging from non-detect to 7.6 µg/L.

OFF-FACILITY WELLS

The off-facility wells consist of monitoring wells MW-17, MW-18, MW-19, MW-20, MW-21, MW-25, and MW-26.

PERCHLORATE ANALYTICAL RESULTS

- During the fourth quarter 2010 sampling event, concentrations of perchlorate at or in excess of the state MCL (6.0 µg/L) were reported in samples collected from wells MW-17 (Screen 3 [9.2 µg/L]), MW-18 (Screens 3 [65.2 µg/L] and 4 [30.0 µg/L]), MW-19 (Screens 1 [9.0 J µg/L] and 2 [6.0 J µg/L]) and MW-25 (Screens 1 through 4 [10.5 µg/L, 14.5 µg/L, 10.0 µg/L and 8.3 µg/L, respectively]).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-17 (Screen 2 [5.3 µg/L]), MW-18 (Screen 2 [1.9 µg/L]), MW-19 (Screens 3, 4 and 5 [3.6 J µg/L, 3.2 J µg/L and 3.3 J µg/L, respectively]), MW-20 (Screen 2 [2.7 J µg/L]), MW-21 (Screens 1 through 5 [2.4 µg/L, 2.6 µg/L, 2.9 µg/L, 3.0 µg/L and 4.3 µg/L, respectively]) and MW-26 (Screen 1 [3.0 µg/L]).
- Perchlorate concentrations increased slightly from their last sampling date to the fourth quarter 2010 in MW-17 (Screen 2 [4.4 µg/L to 5.3 µg/L]), MW-18 (Screen 3 [65.1 µg/L to 65.2 µg/L]), MW-19 (Screens 3 [3.4 µg/L to 3.6 J µg/L] and 4 [3.0 µg/L to 3.2 J µg/L]), MW-20 (Screen 2 [2.5 µg/L to 2.7 J µg/L]), MW-21 (Screens 4 [2.7 µg/L to 3.0 µg/L] and 5 [3.6 µg/L to 4.3 µg/L]) and MW-25 (Screens 2 [14.1 µg/L to 14.5 µg/L] and 4 [8.0 µg/L to 8.3]).
- Perchlorate concentrations decreased slightly from their last sampling event to the fourth quarter 2010 in MW-17 (Screen 3 [9.8 µg/L to 9.2 µg/L]), MW-18 (Screens 2 [2.2 µg/L to 1.9 µg/L] and 4 [54.5 µg/L to 30.0 µg/L]), MW-19 (Screen 1 [9.9 µg/L to 9.0 J µg/L]), MW-21 (Screen 1 [3.3 µg/L to 2.4 µg/L] and 3 [3.5 µg/L to 2.9 µg/L]), MW-25 (Screens 1 [10.6 µg/L to 10.5 µg/L] and 3 [10.5 µg/L to 10.0 µg/L]) and MW-26 (Screen 1 [3.0 µg/L to 2.5 µg/L]).
- Historically, the perchlorate concentration in MW-19 (Screen 1) has been non-detect; however, starting in the first quarter of 2008, perchlorate concentrations have been present except for the second and third quarters of 2008.
- Historically, the perchlorate concentrations in MW-20 (Screens 1 through 5) have been non-detect with an occasional detection below the state MCL (6.0 µg/L), and some isolated detections that exceeded the state MCL in MW-20 (Screens 1, 4 and 5) between 1998 and 2004. However, concentrations in Screens 4 and 5 have been above the state MCL in five of the last 11 quarters. Perchlorate results in MW-20 will continue to be closely evaluated during subsequent sampling events.
- Concentrations of perchlorate were not detected in MW-17 (Screens 1, 4 and 5), MW-18 (Screens 1 and 5), MW-20 (Screens 1, 3, 4 and 5), MW-25 (Screen 5) and MW-26 (Screen 2).
- Perchlorate concentrations in MW-17 (Screens 1, 4 and 5), MW-18 (Screen 1), MW-20 (Screen 1) and MW-26 (Screen 2) were non-detect throughout 2010.

VOC ANALYTICAL RESULTS

- During the fourth quarter 2010, carbon tetrachloride was detected at a concentration in excess of the state MCL (0.5 µg/L) in MW-18 (Screen 3 [20.0 µg/L]).
- In 2010, detections of carbon tetrachloride exceeded the state MCL (0.5 µg/L) in MW-17 (Screen 3) and MW-18 (Screens 3 and 4).

- TCE was detected in six off-facility wells during the fourth quarter 2010, including MW-17 (Screens 2 and 4), MW-18 (Screen 3), MW-19 (Screen 2), MW-20 (Screen 3), MW-21 (Screen 3) and MW-25 (Screen 1); however, none of the off-facility wells contained concentrations of TCE exceeding the state and federal MCL (5.0 µg/L) during the fourth quarter 2010.
- In 2010, TCE concentrations in MW-17 (Screens 2 and 4) remained relatively consistent, ranging from 0.6 µg/L to 1.4 µg/L.
- TCE concentrations in MW-18 (Screens 3 and 4) remained relatively consistent during 2010, ranging from 0.9 µg/L to 1.4 µg/L.
- In 2010, TCE concentrations in MW-19 (Screens 1 and 2) remained relatively consistent, ranging from non-detect to 1.9 µg/L.
- TCE concentrations in MW-21 (Screen 3) remained relatively consistent, ranging from 0.6 µg/L to 1.4 µg/L.
- In 2010, TCE concentrations in MW-25 (Screen 1) remained relatively consistent, ranging from 1.4 µg/L to 3.6 µg/L.
- PCE was detected in four off-facility wells: MW-17 (Screen 2), MW-19 (Screens 2 and 5), MW-21 (Screens 2, 3, 4, and 5) and MW-26 (Screen 1); however, only MW-21 (Screen 3 [6.2 µg/L]) contained concentrations of PCE exceeding the state and federal MCL (5.0 µg/L) during the fourth quarter 2010. PCE concentrations in MW-21 (Screens 2 and 3) have typically been present above the state and federal MCL (5.0 µg/L) since the second quarter 2006.
- In 2010, PCE concentrations in MW-17 (Screen 2) remained relatively consistent, ranging from 0.5 µg/L to 0.7 µg/L.
- PCE concentrations in MW-19 (Screens 2 and 5) during 2010 ranged from non-detect to 2.5 µg/L.
- In 2010, PCE concentrations in MW-21 (Screens 2 through 5) ranged from 0.9 µg/L to 7.7 µg/L; however, only Screens 2 and 3 had detections that exceeded the state and federal MCL (5.0 µg/L).
- PCE concentrations in MW-25 (Screen 3) during 2010 ranged from non-detect to 2.4 µg/L.
- In 2010, PCE concentrations in MW-26 (Screen 1) ranged from non-detect to 0.8 µg/L.

OTHER NOTABLE DETECTIONS

- During the four quarters of 2010, Cr(VI) was not detected in any of the off-facility wells with a reporting limit of 10.0 µg/L.
- During the fourth quarter 2010, total chromium was detected below the state MCL of 50.0 µg/L in MW-18 (Screen 4 [7.1 µg/L]).
- In 2010, total chromium was detected in MW-18 (Screen 4), MW-25 (Screens 1, 2 and 3) and MW-26 (Screen 2); however, concentrations were below the state MCL of 50.0 µg/L.

ALL WELL CATEGORIES (OTHER RESULTS)

- The TIC's isopropanol, fluorotrimethyl silane and sulfur dioxide were detected in one or two wells. The TIC results are presented in Table 4.
- Comparing the third quarter 2010 to the fourth quarter 2010, groundwater levels decreased an average of approximately 7.7 ft. Groundwater levels in the fourth quarter 2010 sampling event continue to be higher than historical values, but are lower by an average of 16.7 ft from the April 2005 highs.

- Groundwater level measurements collected during the fourth quarter 2010 indicate that groundwater gradients and flow directions are generally consistent with previous observations (see Figure 8).

ATTACHMENTS

Attachments to this technical memorandum include the following:

- Attachment 1: Quality Assurance/Quality Control Summary
 - Attachment 2: Data Validation Reports (Summary Sheets)
 - Attachment 3: Laboratory Analytical Reports (Summary Sheets)
 - Attachment 4: Field Logs
 - Attachment 5: Water Level Measurements
 - Attachment 6: Time-Series Concentration Plots
 - Attachment 7: Tables 1A, 2A and 3A (Historical Perchlorate, VOCs and Metals from 1996 to present)
-

FIGURES

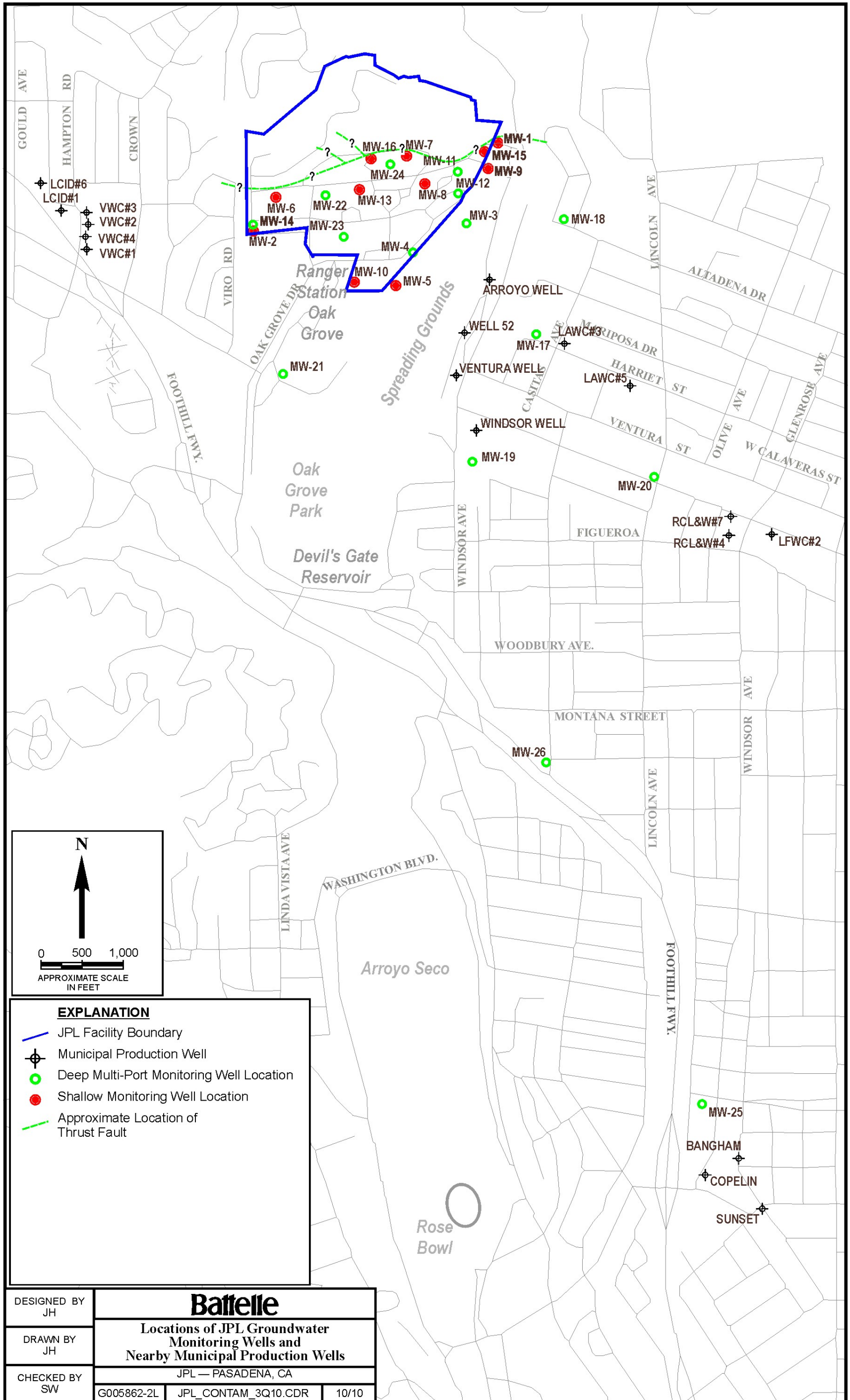


Figure 1.

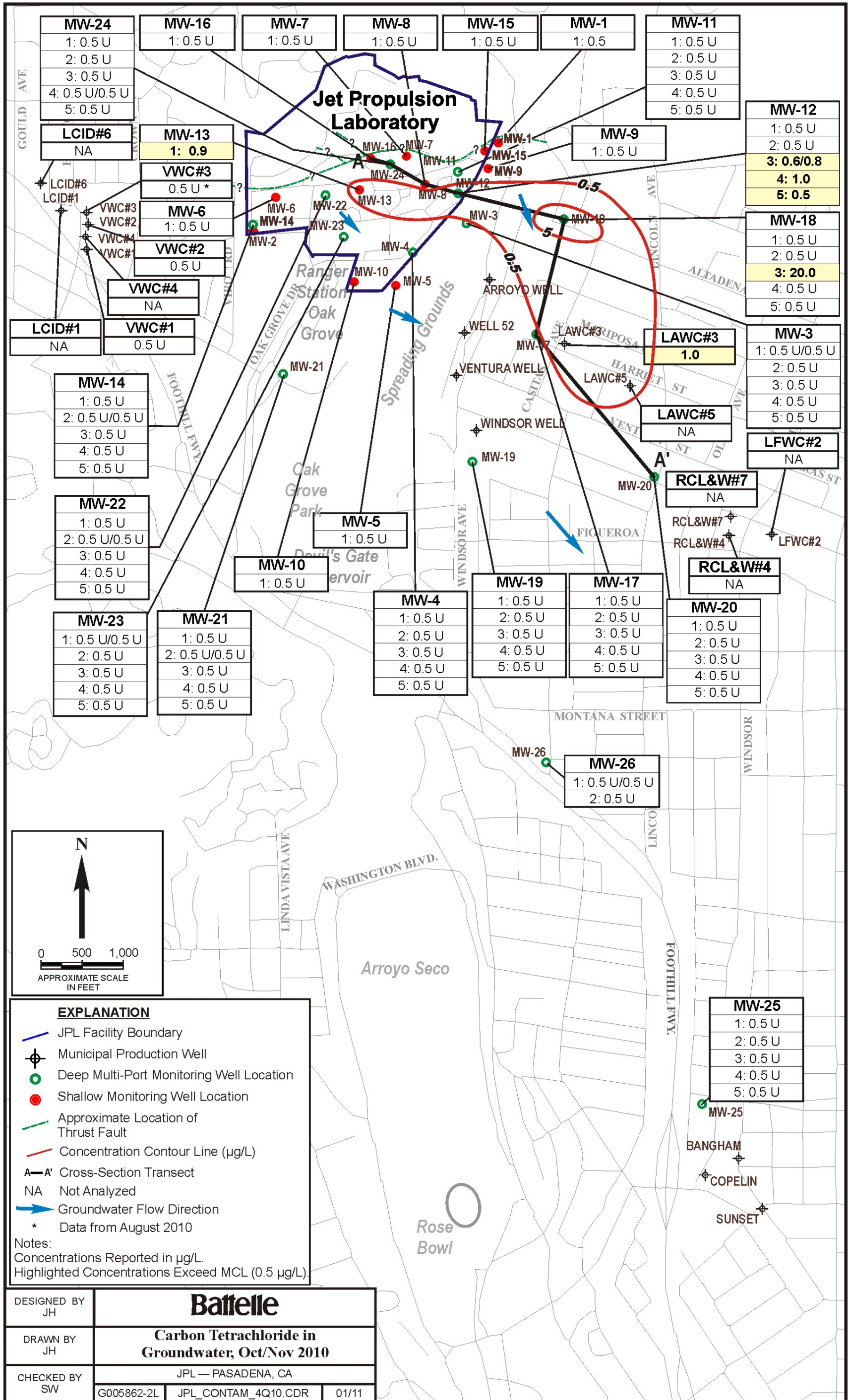


Figure 2.

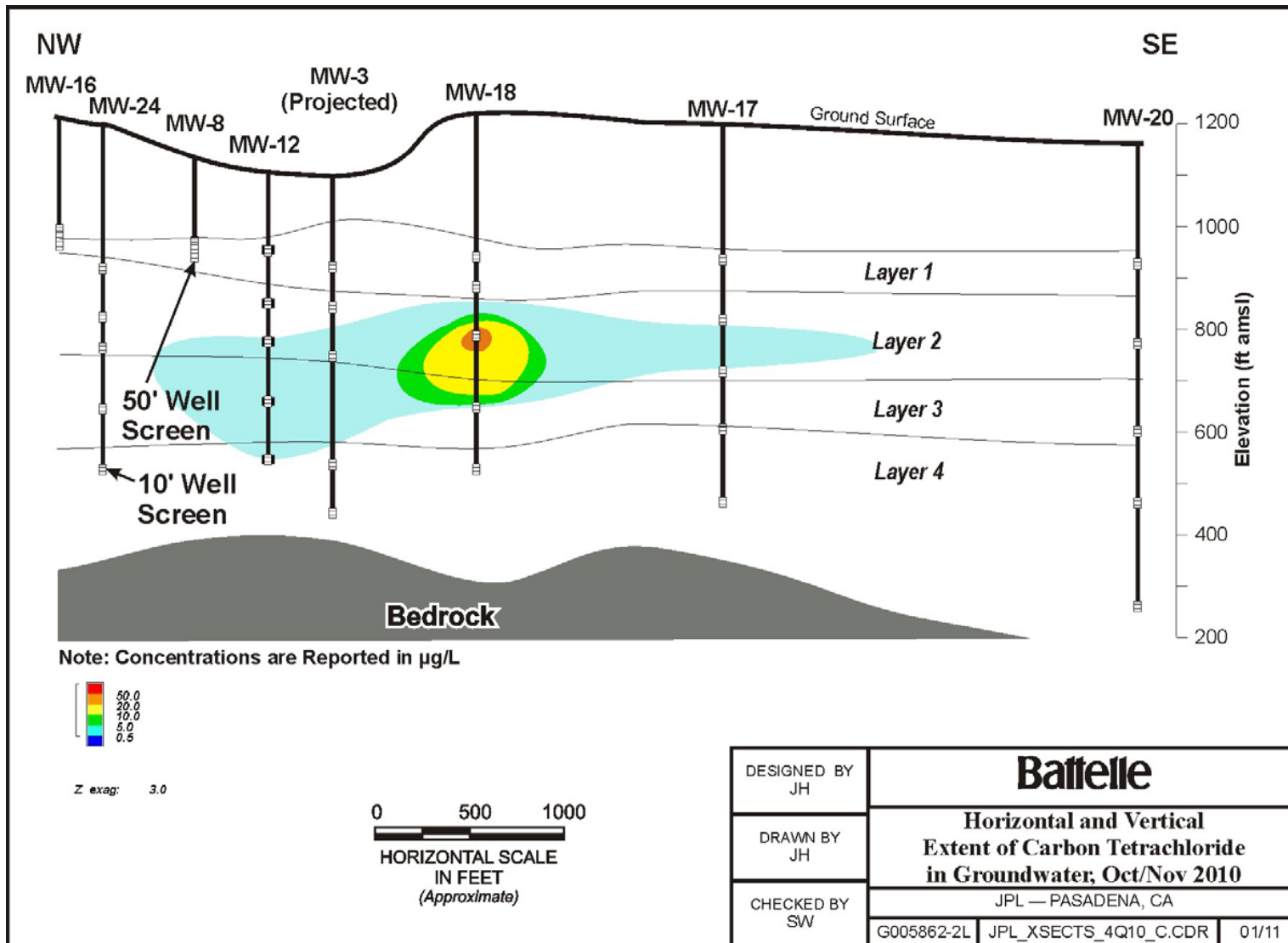


Figure 3.

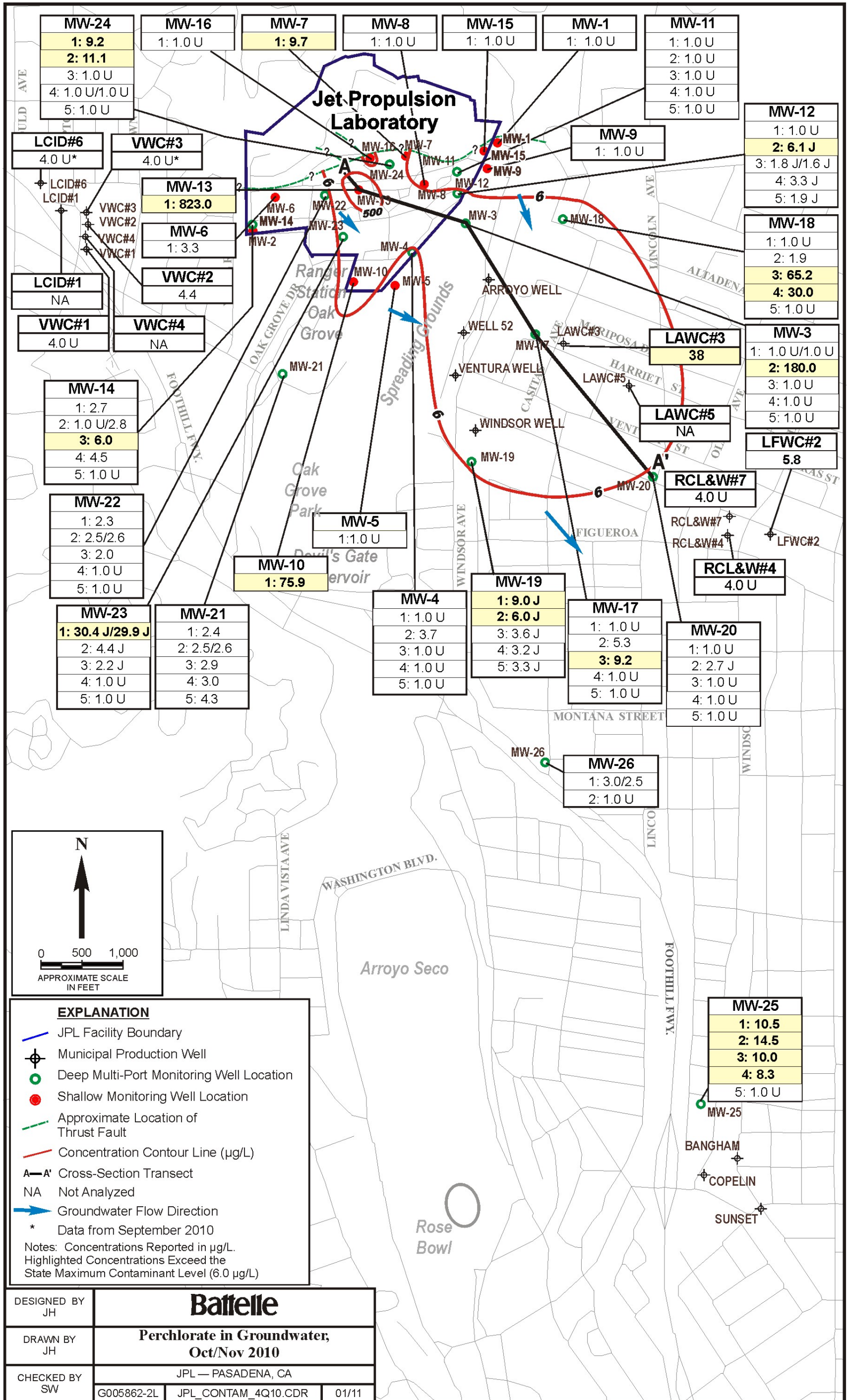


Figure 4.

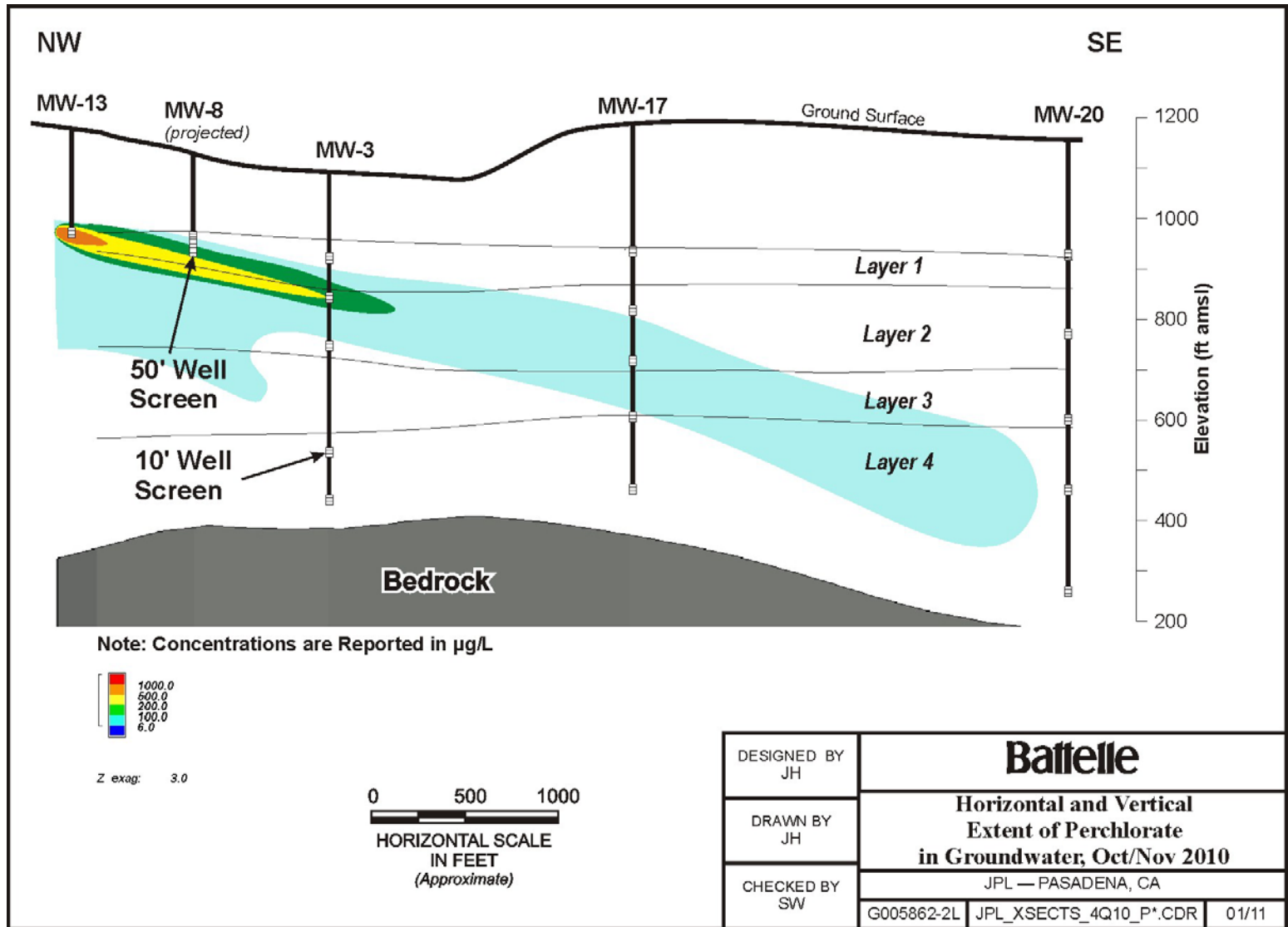


Figure 5.

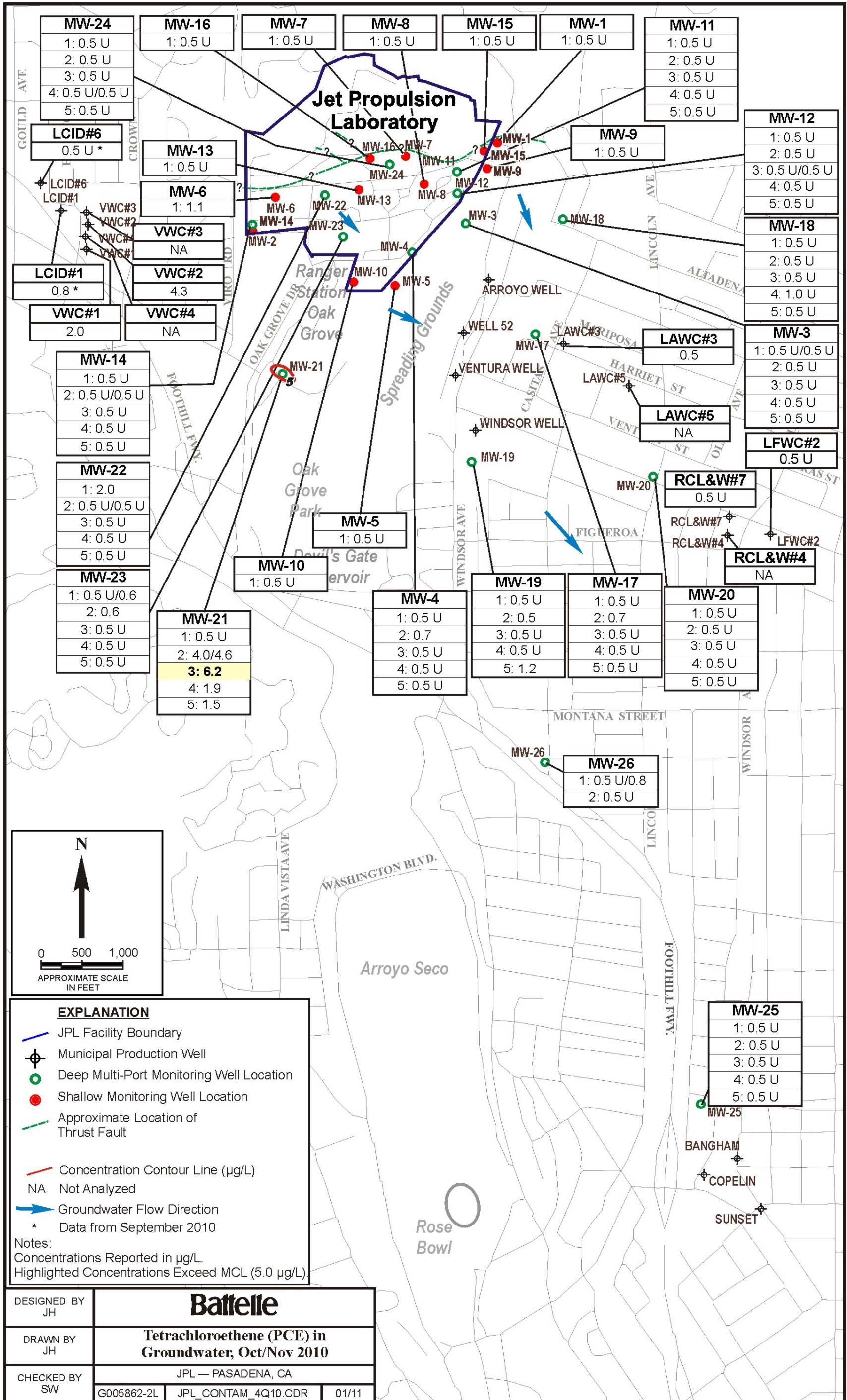


Figure 6.

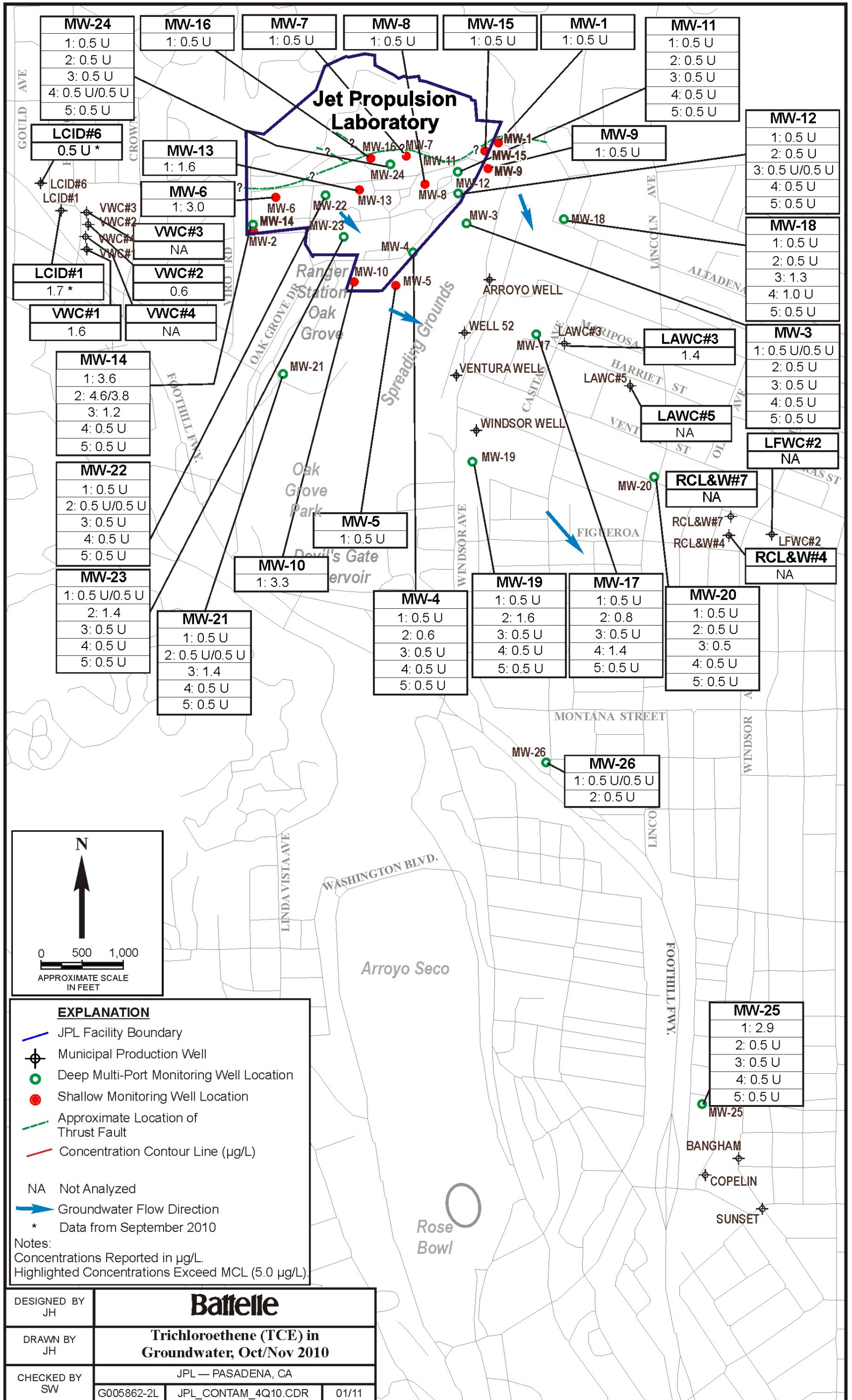


Figure 7.

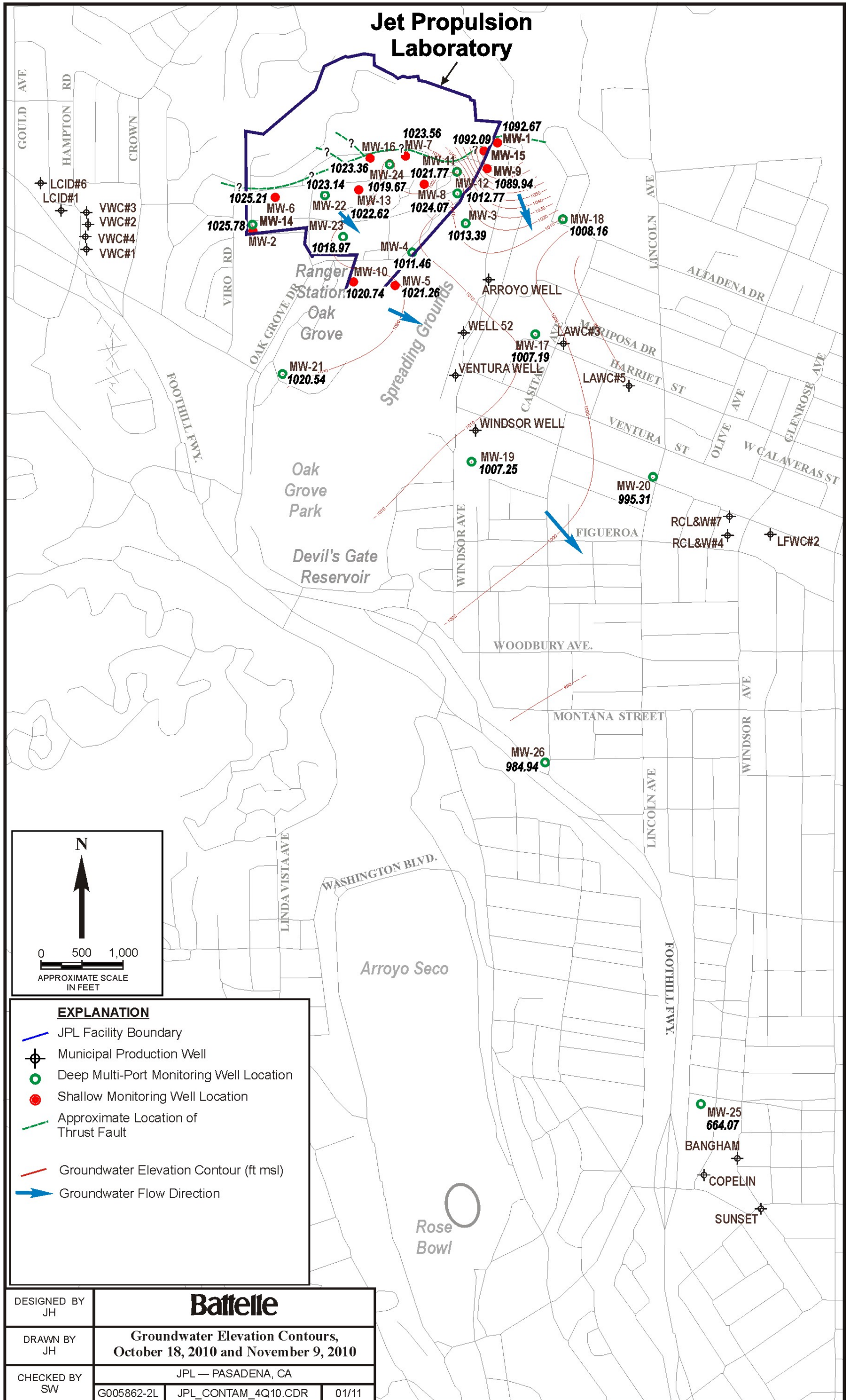


Figure 8.

TABLES

TABLE 1
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
DURING THE LAST FOUR SAMPLING EVENTS OF THE LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM

(All concentrations reported in µg/L.)

(Shaded values exceed State or Federal MCLs or action levels.)

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP
MW-1	Apr/May 2010	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-1	Apr/May 2010	DUPE-8-2Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-1	Oct/Nov 2010	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 1	Apr/May 2010	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 1	Oct/Nov 2010	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 1	Oct/Nov 2010	DUPE-04-4Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 2	Feb 2010	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6	184.0	Bromodichloromethane 2.2 Bromoform 0.6 Dibromochloromethane 1.2
MW-3 Screen 2	Apr/May 2010	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7	173.0	Bromodichloromethane 1.2
MW-3 Screen 2	Apr/May 2010	DUPE-05-2Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8	175.0	Bromodichloromethane 1.3
MW-3 Screen 2	Jul/Aug 2010	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3	164.0	Bromodichloromethane 1.0
MW-3 Screen 2	Oct/Nov 2010	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1	180.0	Bromodichloromethane 0.7
MW-3 Screen 3	Feb 2010	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 3	Apr/May 2010	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.1	
MW-3 Screen 3	Jul/Aug 2010	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 3	Oct/Nov 2010	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 4	Feb 2010	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 4	Feb 2010	DUPE-3-1Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 4	Apr/May 2010	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.1	
MW-3 Screen 4	Jul/Aug 2010	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 4	Oct/Nov 2010	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 5	Apr/May 2010	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 5	Oct/Nov 2010	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-4 Screen 1	Feb 2010	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.1	
MW-4 Screen 1	Apr/May 2010	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-4 Screen 1	Jul/Aug 2010	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-4 Screen 1	Jul/Aug 2010	DUPE-3-3Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-4 Screen 1	Oct/Nov 2010	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-4 Screen 2	Feb 2010	MW-4-2	0.5 U	0.9	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1	
MW-4 Screen 2	Apr/May 2010	MW-4-2	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9	
MW-4 Screen 2	Jul/Aug 2010	MW-4-2	0.5 U	0.7	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.8	
MW-4 Screen 2	Oct/Nov 2010	MW-4-2	0.5 U	0.6	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.7	

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-4 Screen 3	Feb 2010	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	Ethylbenzene	1.5
												Styrene	1.0
MW-4 Screen 3	Apr/May 2010	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	Ethylbenzene	1.1
												Styrene	0.6 J
MW-4 Screen 3	Jul/Aug 2010	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	Ethylbenzene	1.7
												Styrene	0.7
MW-4 Screen 3	Oct/Nov 2010	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 4	Apr/May 2010	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 4	Apr/May 2010	DUPE-02-2Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 4	Oct/Nov 2010	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 5	Apr/May 2010	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-4 Screen 5	Oct/Nov 2010	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-5	Feb 2010	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-5	Feb 2010	DUPE-6-1Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-5	Apr/May 2010	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-5	Jul/Aug 2010	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-5	Oct/Nov 2010	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-6	Feb 2010	MW-6	0.5 U	4.0	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5	2.7		
MW-6	Apr/May 2010	MW-6	0.5 U	4.3	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0		
MW-6	Jul/Aug 2010	MW-6	0.5 U	3.7	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.0		
MW-6	Oct/Nov 2010	MW-6	0.5 U	3.0	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5	3.3		
MW-7	Feb 2010	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	1.0 U		
MW-7	Apr/May 2010	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	11.0	3.6	Bromodichloromethane	13.0
												Bromoform	1.2
												Dibromochloromethane	6.9
MW-7	Jul/Aug 2010	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4	10.0	Bromodichloromethane	1.9
MW-7	Oct/Nov 2010	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.7	9.7	Bromodichloromethane	4.5
												Dibromochloromethane	2.0
MW-8	Feb 2010	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5	194.0	Bromodichloromethane	1.4
												Dibromochloromethane	0.8
												Trichlorofluoromethane	0.9
MW-8	Apr/May 2010	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.5		
MW-8	Jul/Aug 2010	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-8	Jul/Aug 2010	DUPE-1-3Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-8	Oct/Nov 2010	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-9	Apr/May 2010	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-9	Oct/Nov 2010	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-10	Feb 2010	MW-10	0.5 U	5.1	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.6	2.5		
MW-10	Apr/May 2010	MW-10	0.5 U	3.8	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.7	43.9 J		
MW-10	Jul/Aug 2010	MW-10	0.5 U	2.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	52.8 J		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP
MW-10	Oct/Nov 2010	MW-10	0.5 U	3.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	75.9	
MW-11 Screen 1	Feb 2010	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1	
MW-11 Screen 1	Feb 2010	DUPE-4-1Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1	
MW-11 Screen 1	Apr/May 2010	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	
MW-11 Screen 1	Jul/Aug 2010	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 1	Oct/Nov 2010	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 2	Feb 2010	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 2	Apr/May 2010	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 2	Jul/Aug 2010	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 2	Oct/Nov 2010	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 3	Feb 2010	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 3	Apr/May 2010	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 3	Jul/Aug 2010	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 3	Jul/Aug 2010	DUPE-5-3Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 3	Oct/Nov 2010	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 4	Feb 2010	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 4	Apr/May 2010	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3	
MW-11 Screen 4	Jul/Aug 2010	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 4	Oct/Nov 2010	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-11 Screen 5	Apr/May 2010	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10.5	
MW-11 Screen 5	Oct/Nov 2010	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-12 Screen 1	Feb 2010	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-12 Screen 1	Apr/May 2010	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9	
MW-12 Screen 1	Jul/Aug 2010	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	1.0 U	
MW-12 Screen 1	Oct/Nov 2010	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-12 Screen 2	Feb 2010	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4	
MW-12 Screen 2	Apr/May 2010	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.8	
MW-12 Screen 2	Apr/May 2010	DUPE-03-2Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.9	
MW-12 Screen 2	Jul/Aug 2010	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.5	
MW-12 Screen 2	Oct/Nov 2010	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.1 J	
MW-12 Screen 3	Feb 2010	MW-12-3	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.7	1.0 U	
MW-12 Screen 3	Apr/May 2010	MW-12-3	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.3	
MW-12 Screen 3	Jul/Aug 2010	MW-12-3	2.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	3.4	
MW-12 Screen 3	Oct/Nov 2010	MW-12-3	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	1.8 J	
MW-12 Screen 3	Oct/Nov 2010	DUPE-05-4Q10	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	1.6 J	
MW-12 Screen 4	Feb 2010	MW-12-4	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	2.8	
MW-12 Screen 4	Apr/May 2010	MW-12-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.7	
MW-12 Screen 4	Jul/Aug 2010	MW-12-4	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.5	
MW-12 Screen 4	Jul/Aug 2010	DUPE-6-3Q10	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.6	
MW-12 Screen 4	Oct/Nov 2010	MW-12-4	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.3 J	

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP
MW-12 Screen 5	Feb 2010	MW-12-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3	
MW-12 Screen 5	Apr/May 2010	MW-12-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.7	
MW-12 Screen 5	Jul/Aug 2010	MW-12-5	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.2	
MW-12 Screen 5	Oct/Nov 2010	MW-12-5	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9 J	
MW-13	Feb 2010	MW-13	0.5 U	0.5 U	2.0	0.8	0.5 U	0.5 U	0.5 U	0.5 U	5.0	
MW-13	Apr/May 2010	MW-13	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.9	1200.0	1,4-Dioxane 2.6 Bromodichloromethane 0.5
MW-13	Jul/Aug 2010	MW-13	1.0	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.6	1040.0 J	Bromodichloromethane 0.9 Dibromochloromethane 0.8
MW-13	Oct/Nov 2010	MW-13	0.9	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.8	823.0	Bromodichloromethane 1.6 Bromoform 0.8 Dibromochloromethane 1.5
MW-14 Screen 1	Feb 2010	MW-14-1	0.5 U	4.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0	
MW-14 Screen 1	Apr/May 2010	MW-14-1	0.5 U	3.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.9	
MW-14 Screen 1	Jul/Aug 2010	MW-14-1	0.5 U	3.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.1	
MW-14 Screen 1	Oct/Nov 2010	MW-14-1	0.5 U	3.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.7	
MW-14 Screen 2	Feb 2010	MW-14-2	0.5 U	11.0	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.9	cis-1,2-Dichloroethene 0.5
MW-14 Screen 2	Apr/May 2010	MW-14-2	0.5 U	5.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.6	
MW-14 Screen 2	Jul/Aug 2010	MW-14-2	0.5 U	9.7	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.8	
MW-14 Screen 2	Oct/Nov 2010	MW-14-2	0.5 U	4.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-14 Screen 2	Oct/Nov 2010	DUPE-02-4Q10	0.5 U	3.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	
MW-14 Screen 3	Feb 2010	MW-14-3	0.5 U	1.9	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5	6.6	
MW-14 Screen 3	Apr/May 2010	MW-14-3	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.0	
MW-14 Screen 3	Apr/May 2010	DUPE-01-2Q10	0.5 U	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.9	
MW-14 Screen 3	Jul/Aug 2010	MW-14-3	0.5 U	2.1	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5	5.6	
MW-14 Screen 3	Oct/Nov 2010	MW-14-3	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.0	
MW-14 Screen 4	Feb 2010	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.9	
MW-14 Screen 4	Apr/May 2010	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.2	
MW-14 Screen 4	Jul/Aug 2010	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.2	
MW-14 Screen 4	Oct/Nov 2010	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.5	
MW-14 Screen 5	Feb 2010	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-14 Screen 5	Apr/May 2010	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-14 Screen 5	Jul/Aug 2010	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-14 Screen 5	Oct/Nov 2010	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-15	Apr/May 2010	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-15	Oct/Nov 2010	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-16	Feb 2010	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.8	
MW-16	Apr/May 2010	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10.0	7.3	Bromodichloromethane 16.0 Bromoform 6.3 Dibromochloromethane 16.0

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-16	Jul/Aug 2010	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-16	Oct/Nov 2010	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	17.0	1.0 U	Bromodichloromethane	20.0
												Bromoform	3.3
												Dibromochloromethane	15.0
MW-17 Screen 1	Apr/May 2010	MW-17-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-17 Screen 1	Apr/May 2010	DUPE-6-2Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-17 Screen 1	Oct/Nov 2010	MW-17-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-17 Screen 2	Feb 2010	MW-17-2	0.5 U	1.0	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.6 J		
MW-17 Screen 2	Apr/May 2010	MW-17-2	0.5 U	0.6	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.2 J		
MW-17 Screen 2	Jul/Aug 2010	MW-17-2	0.5 U	0.8	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.4		
MW-17 Screen 2	Oct/Nov 2010	MW-17-2	0.5 U	0.8	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.3		
MW-17 Screen 3	Feb 2010	MW-17-3	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10.7 J		
MW-17 Screen 3	Apr/May 2010	MW-17-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.9 J		
MW-17 Screen 3	Jul/Aug 2010	MW-17-3	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.8		
MW-17 Screen 3	Oct/Nov 2010	MW-17-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.2		
MW-17 Screen 4	Feb 2010	MW-17-4	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-17 Screen 4	Apr/May 2010	MW-17-4	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-17 Screen 4	Jul/Aug 2010	MW-17-4	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-17 Screen 4	Oct/Nov 2010	MW-17-4	0.5 U	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-17 Screen 5	Apr/May 2010	MW-17-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-17 Screen 5	Oct/Nov 2010	MW-17-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 1	Apr/May 2010	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 1	Oct/Nov 2010	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 2	Feb 2010	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	21.4		
MW-18 Screen 2	Apr/May 2010	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	85.9 J		
MW-18 Screen 2	Jul/Aug 2010	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2		
MW-18 Screen 2	Oct/Nov 2010	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9		
MW-18 Screen 3	Feb 2010	MW-18-3	17.0	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8	45.1		
MW-18 Screen 3	Apr/May 2010	MW-18-3	11.0	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6	62.4 J		
MW-18 Screen 3	Jul/Aug 2010	MW-18-3	22.0	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2	65.1		
MW-18 Screen 3	Oct/Nov 2010	MW-18-3	20.0	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1	65.2		
MW-18 Screen 4	Feb 2010	MW-18-4	10.0	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1	58.8		
MW-18 Screen 4	Feb 2010	DUPE-2-1Q10	8.9	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0	60.1		
MW-18 Screen 4	Apr/May 2010	MW-18-4	7.2	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8	67.2 J		
MW-18 Screen 4	Jul/Aug 2010	MW-18-4	9.1	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1	54.5		
MW-18 Screen 4	Oct/Nov 2010	MW-18-4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	30.0	Methyl-tert-butyl ether (MTBE)	2.0
												Styrene	2.7
MW-18 Screen 5	Feb 2010	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-18 Screen 5	Apr/May 2010	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1 J		
MW-18 Screen 5	Jul/Aug 2010	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP
MW-18 Screen 5	Oct/Nov 2010	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-19 Screen 1	Feb 2010	MW-19-1	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.7	
MW-19 Screen 1	Apr/May 2010	MW-19-1	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.0	
MW-19 Screen 1	Jul/Aug 2010	MW-19-1	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.9	
MW-19 Screen 1	Oct/Nov 2010	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.0 J	
MW-19 Screen 2	Feb 2010	MW-19-2	0.5 U	1.2	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.4	
MW-19 Screen 2	Apr/May 2010	MW-19-2	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.8	
MW-19 Screen 2	Jul/Aug 2010	MW-19-2	0.5 U	1.9	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.6	6.0	
MW-19 Screen 2	Oct/Nov 2010	MW-19-2	0.5 U	1.6	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.0 J	
MW-19 Screen 3	Feb 2010	MW-19-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5	
MW-19 Screen 3	Apr/May 2010	MW-19-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.8	
MW-19 Screen 3	Jul/Aug 2010	MW-19-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.4	
MW-19 Screen 3	Oct/Nov 2010	MW-19-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.6 J	
MW-19 Screen 4	Feb 2010	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.7	
MW-19 Screen 4	Apr/May 2010	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	
MW-19 Screen 4	Jul/Aug 2010	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0	
MW-19 Screen 4	Oct/Nov 2010	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.2 J	
MW-19 Screen 5	Feb 2010	MW-19-5	0.5 U	0.5 U	2.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	
MW-19 Screen 5	Apr/May 2010	MW-19-5	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.3	
MW-19 Screen 5	Jul/Aug 2010	MW-19-5	0.5 U	0.5 U	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.3	
MW-19 Screen 5	Oct/Nov 2010	MW-19-5	0.5 U	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.3 J	
MW-20 Screen 1	Feb 2010	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-20 Screen 1	Apr/May 2010	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-20 Screen 1	Jul/Aug 2010	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-20 Screen 1	Oct/Nov 2010	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-20 Screen 2	Feb 2010	MW-20-2	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0 J	
MW-20 Screen 2	Apr/May 2010	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9	
MW-20 Screen 2	Apr/May 2010	DUPE-04-2Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9	
MW-20 Screen 2	Jul/Aug 2010	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5	
MW-20 Screen 2	Oct/Nov 2010	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.7 J	
MW-20 Screen 3	Feb 2010	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-20 Screen 3	Apr/May 2010	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7	
MW-20 Screen 3	Jul/Aug 2010	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-20 Screen 3	Jul/Aug 2010	DUPE-2-3Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-20 Screen 3	Oct/Nov 2010	MW-20-3	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-20 Screen 4	Feb 2010	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-20 Screen 4	Apr/May 2010	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	37.3	
MW-20 Screen 4	Jul/Aug 2010	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-20 Screen 4	Oct/Nov 2010	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-20 Screen 5	Feb 2010	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-20 Screen 5	Apr/May 2010	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	11.5		
MW-20 Screen 5	Jul/Aug 2010	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-20 Screen 5	Oct/Nov 2010	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	Styrene	0.8
MW-21 Screen 1	Feb 2010	MW-21-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	2.5		
MW-21 Screen 1	Feb 2010	DUPE-1-1Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.4	2.3		
MW-21 Screen 1	Apr/May 2010	MW-21-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	2.8		
MW-21 Screen 1	Jul/Aug 2010	MW-21-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	3.3		
MW-21 Screen 1	Oct/Nov 2010	MW-21-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3	2.4		
MW-21 Screen 2	Feb 2010	MW-21-2	0.5 U	0.6	4.9	0.5 U	0.5 U	0.5 U	0.5 U	0.6	2.2	cis-1,2-Dichloroethene	0.6
MW-21 Screen 2	Apr/May 2010	MW-21-2	0.5 U	0.5 U	4.0	0.5 U	0.5 U	0.5 U	0.5 U	1.0	3.2		
MW-21 Screen 2	Jul/Aug 2010	MW-21-2	0.5 U	0.5 U	6.9	0.5 U	0.5 U	0.5 U	0.5 U	3.5	2.6	cis-1,2-Dichloroethene	0.7
MW-21 Screen 2	Oct/Nov 2010	MW-21-2	0.5 U	0.5 U	4.0	0.5 U	0.5 U	0.5 U	0.5 U	4.0	2.5	cis-1,2-Dichloroethene	0.8
MW-21 Screen 2	Oct/Nov 2010	DUPE-01-4Q10	0.5 U	0.5 U	4.6	0.5 U	0.5 U	0.5 U	0.5 U	4.0	2.6	cis-1,2-Dichloroethene	0.8
MW-21 Screen 3	Feb 2010	MW-21-3	0.5 U	1.4	7.7	0.5 U	0.5 U	0.5 U	0.5 U	2.2	2.8	cis-1,2-Dichloroethene	1.0
MW-21 Screen 3	Apr/May 2010	MW-21-3	0.5 U	0.9	3.9	0.5 U	0.5 U	0.5 U	0.5 U	2.8	3.4	cis-1,2-Dichloroethene	0.6
MW-21 Screen 3	Jul/Aug 2010	MW-21-3	0.5 U	0.6	2.1	0.5 U	0.5 U	0.5 U	0.5 U	2.2	3.5		
MW-21 Screen 3	Oct/Nov 2010	MW-21-3	0.5 U	1.4	6.2	0.5 U	0.5 U	0.5 U	0.5 U	4.7	2.9	cis-1,2-Dichloroethene	0.9
MW-21 Screen 4	Feb 2010	MW-21-4	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	6.5	1.8		
MW-21 Screen 4	Apr/May 2010	MW-21-4	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	6.1	2.5		
MW-21 Screen 4	Jul/Aug 2010	MW-21-4	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	6.8	2.7		
MW-21 Screen 4	Oct/Nov 2010	MW-21-4	0.5 U	0.5 U	1.9	0.5 U	0.5 U	0.5 U	0.5 U	6.9	3.0		
MW-21 Screen 5	Feb 2010	MW-21-5	0.5 U	0.5 U	1.8	0.5 U	0.5 U	0.5 U	0.5 U	3.5	3.0		
MW-21 Screen 5	Apr/May 2010	MW-21-5	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	3.4	3.5		
MW-21 Screen 5	Jul/Aug 2010	MW-21-5	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	3.7	3.6		
MW-21 Screen 5	Oct/Nov 2010	MW-21-5	0.5 U	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	3.7	4.3		
MW-22 Screen 1	Feb 2010	MW-22-1	0.5 U	1.1	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6		
MW-22 Screen 1	Apr/May 2010	MW-22-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.7		
MW-22 Screen 1	Jul/Aug 2010	MW-22-1	0.5 U	0.5 U	2.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.7		
MW-22 Screen 1	Oct/Nov 2010	MW-22-1	0.5 U	0.5 U	2.0	0.5	0.5 U	0.5 U	0.5 U	0.5 U	2.3		
MW-22 Screen 2	Feb 2010	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1		
MW-22 Screen 2	Apr/May 2010	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.7		
MW-22 Screen 2	Jul/Aug 2010	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4		
MW-22 Screen 2	Jul/Aug 2010	DUPE-4-3Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3		
MW-22 Screen 2	Oct/Nov 2010	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5		
MW-22 Screen 2	Oct/Nov 2010	DUPE-03-4Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6		
MW-22 Screen 3	Feb 2010	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.7		
MW-22 Screen 3	Apr/May 2010	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.2		
MW-22 Screen 3	Jul/Aug 2010	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6		
MW-22 Screen 3	Oct/Nov 2010	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0		
MW-22 Screen 4	Apr/May 2010	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-22 Screen 4	Oct/Nov 2010	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-22 Screen 5	Apr/May 2010	MW-22-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-22 Screen 5	Oct/Nov 2010	MW-22-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-23 Screen 1	Feb 2010	MW-23-1	0.5 U	3.2	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8		
MW-23 Screen 1	Apr/May 2010	MW-23-1	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.3		
MW-23 Screen 1	Jul/Aug 2010	MW-23-1	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	28.3		
MW-23 Screen 1	Oct/Nov 2010	MW-23-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	30.4 J		
MW-23 Screen 1	Oct/Nov 2010	DUPE-07-4Q10	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	29.9 J		
MW-23 Screen 2	Feb 2010	MW-23-2	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.7		
MW-23 Screen 2	Apr/May 2010	MW-23-2	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.9		
MW-23 Screen 2	Jul/Aug 2010	MW-23-2	0.5 U	1.4	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.9		
MW-23 Screen 2	Oct/Nov 2010	MW-23-2	0.5 U	1.4	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.4 J		
MW-23 Screen 3	Feb 2010	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-23 Screen 3	Apr/May 2010	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2		
MW-23 Screen 3	Jul/Aug 2010	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7		
MW-23 Screen 3	Oct/Nov 2010	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J		
MW-23 Screen 4	Apr/May 2010	MW-23-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3		
MW-23 Screen 4	Oct/Nov 2010	MW-23-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-23 Screen 5	Apr/May 2010	MW-23-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	Styrene	0.5
MW-23 Screen 5	Oct/Nov 2010	MW-23-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 1	Feb 2010	MW-24-1	0.8	0.5 U	1.6	0.5 U	0.5 U	0.5 U	0.5 U	2.1	232.0		
MW-24 Screen 1	Feb 2010	DUPE-5-1Q10	0.8	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	2.2	228.0		
MW-24 Screen 1	Apr/May 2010	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6		
MW-24 Screen 1	Jul/Aug 2010	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.4	5.8		
MW-24 Screen 1	Oct/Nov 2010	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3	9.2		
MW-24 Screen 2	Feb 2010	MW-24-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.8		
MW-24 Screen 2	Apr/May 2010	MW-24-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.6		
MW-24 Screen 2	Jul/Aug 2010	MW-24-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	11.1		
MW-24 Screen 2	Jul/Aug 2010	DUPE-7-3Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10.5		
MW-24 Screen 2	Oct/Nov 2010	MW-24-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	11.1		
MW-24 Screen 3	Feb 2010	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 3	Apr/May 2010	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 3	Jul/Aug 2010	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 3	Oct/Nov 2010	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 4	Apr/May 2010	MW-24-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3		
MW-24 Screen 4	Oct/Nov 2010	MW-24-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 4	Oct/Nov 2010	DUPE-06-4Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 5	Apr/May 2010	MW-24-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-24 Screen 5	Oct/Nov 2010	MW-24-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U		
MW-25 Screen 1	Feb 2010	MW-25-1	0.5 U	3.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	10.0		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP
MW-25 Screen 1	Apr/May 2010	MW-25-1	0.5 U	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	11.0	
MW-25 Screen 1	Jul/Aug 2010	MW-25-1	0.5 U	3.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10.6	
MW-25 Screen 1	Oct/Nov 2010	MW-25-1	0.5 U	2.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10.5	
MW-25 Screen 2	Feb 2010	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	13.7	
MW-25 Screen 2	Apr/May 2010	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	14.7	
MW-25 Screen 2	Apr/May 2010	DUPE-7-2Q10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	14.4	
MW-25 Screen 2	Jul/Aug 2010	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	14.1	
MW-25 Screen 2	Oct/Nov 2010	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	14.5	
MW-25 Screen 3	Feb 2010	MW-25-3	0.5 U	0.5 U	2.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5	9.8	
MW-25 Screen 3	Apr/May 2010	MW-25-3	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10.3	
MW-25 Screen 3	Jul/Aug 2010	MW-25-3	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5	10.5	
MW-25 Screen 3	Oct/Nov 2010	MW-25-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10.0	
MW-25 Screen 4	Feb 2010	MW-25-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	7.3	
MW-25 Screen 4	Apr/May 2010	MW-25-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.1	
MW-25 Screen 4	Jul/Aug 2010	MW-25-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.0	
MW-25 Screen 4	Oct/Nov 2010	MW-25-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.3	
MW-25 Screen 5	Feb 2010	MW-25-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-25 Screen 5	Apr/May 2010	MW-25-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	44.5	
MW-25 Screen 5	Jul/Aug 2010	MW-25-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-25 Screen 5	Oct/Nov 2010	MW-25-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-26 Screen 1	Feb 2010	MW-26-1	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3	
MW-26 Screen 1	Apr/May 2010	MW-26-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	
MW-26 Screen 1	Jul/Aug 2010	MW-26-1	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0	
MW-26 Screen 1	Oct/Nov 2010	MW-26-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0	
MW-26 Screen 1	Oct/Nov 2010	DUPE-08-4Q10	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5	
MW-26 Screen 2	Feb 2010	MW-26-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-26 Screen 2	Apr/May 2010	MW-26-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-26 Screen 2	Jul/Aug 2010	MW-26-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-26 Screen 2	Oct/Nov 2010	MW-26-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
California Maximum Contaminant Level (MCL)			0.5	5	5	5	0.5	6	1200	100	6.0 *	
EPA Region IX Maximum Contaminant Level			5	5	5	NE	5	7	NE	100	NE	
<p>Notes</p> <p>DUPE Field Duplicate</p> <p>NA Not analyzed</p> <p>NE Not established</p> <p>UNK PQL value unknown</p> <p>* Interim Action Level - California Department of Public Health</p> <p>J Analyte concentration is an estimated value</p>												

TABLE 2
SUMMARY OF METALS DETECTED
DURING THE LAST FOUR SAMPLING EVENTS OF THE LONG-TERM QUARTERLY
GROUNDWATER SAMPLING PROGRAM

(All concentrations reported in µg/L; except for Hexavalent Chromium, which is reported in mg/L.)

(Shaded values exceed State or Federal MCLs or action levels.)

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-1	Apr/May 2010	MW-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-1	Apr/May 2010	DUPE-8-2Q10	2.0 U	5.000 U	5.0 U	0.010 U
MW-1	Oct/Nov 2010	MW-1	NA	NA	5.0 U	0.010 U
MW-3 Screen 1	Apr/May 2010	MW-3-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-3 Screen 1	Oct/Nov 2010	MW-3-1	NA	NA	5.0 U	0.010 U
MW-3 Screen 1	Oct/Nov 2010	DUPE-04-4Q10	NA	NA	5.0 U	0.010 U
MW-3 Screen 2	Feb 2010	MW-3-2	NA	NA	5.0 U	0.010 U
MW-3 Screen 2	Apr/May 2010	MW-3-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-3 Screen 2	Apr/May 2010	DUPE-05-2Q10	2.0 U	5.000 U	5.0 U	0.010 U
MW-3 Screen 2	Jul/Aug 2010	MW-3-2	NA	NA	5.0 U	0.010 U
MW-3 Screen 2	Oct/Nov 2010	MW-3-2	NA	NA	5.0 U	0.010 U
MW-3 Screen 3	Feb 2010	MW-3-3	NA	NA	5.0 U	0.010 U
MW-3 Screen 3	Apr/May 2010	MW-3-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-3 Screen 3	Jul/Aug 2010	MW-3-3	NA	NA	5.0 U	0.010 U
MW-3 Screen 3	Oct/Nov 2010	MW-3-3	NA	NA	5.0 U	0.010 U
MW-3 Screen 4	Feb 2010	MW-3-4	NA	NA	5.0 U	0.010 U
MW-3 Screen 4	Feb 2010	DUPE-3-1Q10	NA	NA	5.0 U	0.010 U
MW-3 Screen 4	Apr/May 2010	MW-3-4	2.6	5.000 U	5.0 U	0.010 U
MW-3 Screen 4	Jul/Aug 2010	MW-3-4	NA	NA	5.0 U	0.010 U
MW-3 Screen 4	Oct/Nov 2010	MW-3-4	NA	NA	5.0 U	0.010 U
MW-3 Screen 5	Apr/May 2010	MW-3-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-3 Screen 5	Oct/Nov 2010	MW-3-5	NA	NA	5.0 U	0.010 U
MW-4 Screen 1	Feb 2010	MW-4-1	NA	NA	5.0 U	0.010 U
MW-4 Screen 1	Apr/May 2010	MW-4-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-4 Screen 1	Jul/Aug 2010	MW-4-1	NA	NA	5.0 U	0.010 U
MW-4 Screen 1	Jul/Aug 2010	DUPE-3-3Q10	NA	NA	5.0 U	0.010 U
MW-4 Screen 1	Oct/Nov 2010	MW-4-1	NA	NA	5.0 U	0.010 U
MW-4 Screen 2	Feb 2010	MW-4-2	NA	NA	5.0 U	0.010 U
MW-4 Screen 2	Apr/May 2010	MW-4-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-4 Screen 2	Jul/Aug 2010	MW-4-2	NA	NA	5.0 U	0.010 U
MW-4 Screen 2	Oct/Nov 2010	MW-4-2	NA	NA	5.0 U	0.010 U
MW-4 Screen 3	Feb 2010	MW-4-3	NA	NA	5.0 U	0.010 U
MW-4 Screen 3	Apr/May 2010	MW-4-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-4 Screen 3	Jul/Aug 2010	MW-4-3	NA	NA	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-4 Screen 3	Oct/Nov 2010	MW-4-3	NA	NA	5.0 U	0.010 U
MW-4 Screen 4	Apr/May 2010	MW-4-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-4 Screen 4	Apr/May 2010	DUPE-02-2Q10	2.0 U	5.000 U	5.0 U	0.010 U
MW-4 Screen 4	Oct/Nov 2010	MW-4-4	NA	NA	5.0 U	0.010 U
MW-4 Screen 5	Apr/May 2010	MW-4-5	2.2	5.000 U	9.4	0.010 U
MW-4 Screen 5	Oct/Nov 2010	MW-4-5	NA	NA	5.0 U	0.010 U
MW-5	Feb 2010	MW-5	NA	NA	5.0 U	0.010 U
MW-5	Feb 2010	DUPE-6-1Q10	NA	NA	5.0 U	0.010 U
MW-5	Apr/May 2010	MW-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-5	Jul/Aug 2010	MW-5	NA	NA	5.0 U	0.010 U
MW-5	Oct/Nov 2010	MW-5	NA	NA	5.0 U	0.010 U
MW-6	Feb 2010	MW-6	NA	NA	5.0 U	0.010 U
MW-6	Apr/May 2010	MW-6	2.0 U	5.000 U	5.0 U	0.010 U
MW-6	Jul/Aug 2010	MW-6	NA	NA	5.0 U	0.010 U
MW-6	Oct/Nov 2010	MW-6	NA	NA	5.0 U	0.010 U
MW-7	Feb 2010	MW-7	NA	NA	5.0 U	0.010 U
MW-7	Apr/May 2010	MW-7	2.0 U	5.000 U	5.2	0.010 U
MW-7	Jul/Aug 2010	MW-7	NA	NA	6.0	0.007
MW-7	Oct/Nov 2010	MW-7	NA	NA	5.0 U	NA
MW-8	Feb 2010	MW-8	NA	NA	5.0 U	0.010 U
MW-8	Apr/May 2010	MW-8	2.0 U	5.000 U	5.0 U	0.010 U
MW-8	Jul/Aug 2010	MW-8	NA	NA	5.0 U	0.010 U
MW-8	Jul/Aug 2010	DUPE-1-3Q10	NA	NA	5.0 U	0.010 U
MW-8	Oct/Nov 2010	MW-8	NA	NA	5.0 U	0.010 U
MW-9	Apr/May 2010	MW-9	2.0 U	5.000 U	5.0 U	0.010 U
MW-9	Oct/Nov 2010	MW-9	NA	NA	5.0 U	0.010 U
MW-10	Feb 2010	MW-10	NA	NA	5.0 U	0.010 U
MW-10	Apr/May 2010	MW-10	2.0 U	5.000 U	5.5	0.010 U
MW-10	Jul/Aug 2010	MW-10	NA	NA	7.6	0.013
MW-10	Oct/Nov 2010	MW-10	NA	NA	5.7	0.010 U
MW-11 Screen 1	Feb 2010	MW-11-1	NA	NA	5.0 U	0.010 U
MW-11 Screen 1	Feb 2010	DUPE-4-1Q10	NA	NA	5.0 U	0.010 U
MW-11 Screen 1	Apr/May 2010	MW-11-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-11 Screen 1	Jul/Aug 2010	MW-11-1	NA	NA	5.0 U	0.010 U
MW-11 Screen 1	Oct/Nov 2010	MW-11-1	NA	NA	5.0 U	0.010 U
MW-11 Screen 2	Feb 2010	MW-11-2	NA	NA	5.0 U	0.010 U
MW-11 Screen 2	Apr/May 2010	MW-11-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-11 Screen 2	Jul/Aug 2010	MW-11-2	NA	NA	5.0 U	0.010 U
MW-11 Screen 2	Oct/Nov 2010	MW-11-2	NA	NA	5.0 U	0.010 U
MW-11 Screen 3	Feb 2010	MW-11-3	NA	NA	5.0 U	0.010 U
MW-11 Screen 3	Apr/May 2010	MW-11-3	2.0 U	5.000 U	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-11 Screen 3	Jul/Aug 2010	MW-11-3	NA	NA	5.0 U	0.010 U
MW-11 Screen 3	Jul/Aug 2010	DUPE-5-3Q10	NA	NA	5.0 U	0.010 U
MW-11 Screen 3	Oct/Nov 2010	MW-11-3	NA	NA	5.0 U	0.010 U
MW-11 Screen 4	Apr/May 2010	MW-11-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-11 Screen 4	Oct/Nov 2010	MW-11-4	NA	NA	5.0 U	0.010 U
MW-11 Screen 5	Apr/May 2010	MW-11-5	5.0	5.000 U	5.0 U	0.010 U
MW-11 Screen 5	Oct/Nov 2010	MW-11-5	NA	NA	5.0 U	0.010 U
MW-12 Screen 1	Feb 2010	MW-12-1	NA	NA	5.0 U	0.010 U
MW-12 Screen 1	Apr/May 2010	MW-12-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-12 Screen 1	Jul/Aug 2010	MW-12-1	NA	NA	6.5	0.010 U
MW-12 Screen 1	Oct/Nov 2010	MW-12-1	NA	NA	5.0 U	0.010 U
MW-12 Screen 2	Feb 2010	MW-12-2	NA	NA	5.0 U	0.010 U
MW-12 Screen 2	Apr/May 2010	MW-12-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-12 Screen 2	Apr/May 2010	DUPE-03-2Q10	2.0 U	5.000 U	5.0 U	0.010 U
MW-12 Screen 2	Jul/Aug 2010	MW-12-2	NA	NA	5.0 U	0.010 U
MW-12 Screen 2	Oct/Nov 2010	MW-12-2	NA	NA	5.0 U	0.010 U
MW-12 Screen 3	Feb 2010	MW-12-3	NA	NA	5.0 U	0.010 U
MW-12 Screen 3	Apr/May 2010	MW-12-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-12 Screen 3	Jul/Aug 2010	MW-12-3	NA	NA	5.0 U	0.010 U
MW-12 Screen 3	Oct/Nov 2010	MW-12-3	NA	NA	5.0 U	0.010 U
MW-12 Screen 3	Oct/Nov 2010	DUPE-05-4Q10	NA	NA	5.0 U	0.010 U
MW-12 Screen 4	Apr/May 2010	MW-12-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-12 Screen 4	Oct/Nov 2010	MW-12-4	NA	NA	5.0 U	0.010 U
MW-12 Screen 5	Apr/May 2010	MW-12-5	2.1	5.000 U	5.0 U	0.010 U
MW-12 Screen 5	Oct/Nov 2010	MW-12-5	NA	NA	5.0 U	0.010 U
MW-13	Feb 2010	MW-13	NA	NA	5.0 U	NA
MW-13	Apr/May 2010	MW-13	2.0 U	5.000 U	22.0	0.022
MW-13	Jul/Aug 2010	MW-13	NA	NA	12.0	0.015
MW-13	Oct/Nov 2010	MW-13	NA	NA	8.1	0.009 J
MW-14 Screen 1	Feb 2010	MW-14-1	NA	NA	5.0 U	0.010 U
MW-14 Screen 1	Apr/May 2010	MW-14-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-14 Screen 1	Jul/Aug 2010	MW-14-1	NA	NA	5.0 U	0.010 U
MW-14 Screen 1	Oct/Nov 2010	MW-14-1	NA	NA	5.0 U	0.010 U
MW-14 Screen 2	Feb 2010	MW-14-2	NA	NA	5.0 U	0.010 U
MW-14 Screen 2	Apr/May 2010	MW-14-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-14 Screen 2	Jul/Aug 2010	MW-14-2	NA	NA	5.0 U	0.010 U
MW-14 Screen 2	Oct/Nov 2010	MW-14-2	NA	NA	5.0 U	0.010 U
MW-14 Screen 2	Oct/Nov 2010	DUPE-02-4Q10	NA	NA	5.0 U	0.010 U
MW-14 Screen 3	Feb 2010	MW-14-3	NA	NA	5.0 U	0.010 U
MW-14 Screen 3	Apr/May 2010	MW-14-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-14 Screen 3	Apr/May 2010	DUPE-01-2Q10	2.0 U	5.000 U	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-14 Screen 3	Jul/Aug 2010	MW-14-3	NA	NA	5.0 U	0.010 U
MW-14 Screen 3	Oct/Nov 2010	MW-14-3	NA	NA	5.0 U	0.010 U
MW-14 Screen 4	Apr/May 2010	MW-14-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-14 Screen 4	Oct/Nov 2010	MW-14-4	NA	NA	5.0 U	0.010 U
MW-14 Screen 5	Apr/May 2010	MW-14-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-14 Screen 5	Oct/Nov 2010	MW-14-5	NA	NA	5.0 U	0.010 U
MW-15	Feb 2010	MW-15	NA	NA	5.0 U	0.010 U
MW-15	Feb 2010	DUPE-7-1Q10	NA	NA	5.0 U	0.010 U
MW-15	Apr/May 2010	MW-15	2.0 U	5.000 U	5.0 U	0.010 U
MW-15	Jul/Aug 2010	MW-15	NA	NA	5.0 U	0.010 U
MW-15	Oct/Nov 2010	MW-15	NA	NA	5.0 U	0.010 U
MW-16	Feb 2010	MW-16	NA	NA	5.0 U	0.010 U
MW-16	Apr/May 2010	MW-16	3.6	5.000 U	17.0	0.018
MW-16	Jul/Aug 2010	MW-16	NA	NA	5.0 U	0.010 U
MW-16	Oct/Nov 2010	MW-16	NA	NA	32.0	NA
MW-17 Screen 1	Apr/May 2010	MW-17-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-17 Screen 1	Apr/May 2010	DUPE-6-2Q10	2.0 U	5.000 U	5.0 U	0.010 U
MW-17 Screen 1	Oct/Nov 2010	MW-17-1	NA	NA	5.0 U	0.010 U
MW-17 Screen 2	Feb 2010	MW-17-2	NA	NA	5.0 U	0.010 U
MW-17 Screen 2	Apr/May 2010	MW-17-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-17 Screen 2	Jul/Aug 2010	MW-17-2	NA	NA	5.0 U	0.010 U
MW-17 Screen 2	Oct/Nov 2010	MW-17-2	NA	NA	5.0 U	0.010 U
MW-17 Screen 3	Feb 2010	MW-17-3	NA	NA	5.0 U	0.010 U
MW-17 Screen 3	Apr/May 2010	MW-17-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-17 Screen 3	Jul/Aug 2010	MW-17-3	NA	NA	5.0 U	0.010 U
MW-17 Screen 3	Oct/Nov 2010	MW-17-3	NA	NA	5.0 U	0.010 U
MW-17 Screen 4	Feb 2010	MW-17-4	NA	NA	5.0 U	0.010 U
MW-17 Screen 4	Apr/May 2010	MW-17-4	3.0	5.000 U	5.0 U	0.010 U
MW-17 Screen 4	Jul/Aug 2010	MW-17-4	NA	NA	5.0 U	0.010 U
MW-17 Screen 4	Oct/Nov 2010	MW-17-4	NA	NA	5.0 U	0.010 U
MW-17 Screen 5	Apr/May 2010	MW-17-5	7.2	5.000 U	5.0 U	0.010 U
MW-17 Screen 5	Oct/Nov 2010	MW-17-5	NA	NA	5.0 U	0.010 U
MW-18 Screen 1	Apr/May 2010	MW-18-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-18 Screen 1	Oct/Nov 2010	MW-18-1	NA	NA	5.0 U	0.010 U
MW-18 Screen 2	Feb 2010	MW-18-2	NA	NA	5.0 U	0.010 U
MW-18 Screen 2	Apr/May 2010	MW-18-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-18 Screen 2	Jul/Aug 2010	MW-18-2	NA	NA	5.0 U	0.010 U
MW-18 Screen 2	Oct/Nov 2010	MW-18-2	NA	NA	5.0 U	0.010 U
MW-18 Screen 3	Feb 2010	MW-18-3	NA	NA	5.0 U	0.010 U
MW-18 Screen 3	Apr/May 2010	MW-18-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-18 Screen 3	Jul/Aug 2010	MW-18-3	NA	NA	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-18 Screen 3	Oct/Nov 2010	MW-18-3	NA	NA	5.0 U	0.010 U
MW-18 Screen 4	Feb 2010	MW-18-4	NA	NA	5.0 U	0.010 U
MW-18 Screen 4	Feb 2010	DUPE-2-1Q10	NA	NA	5.0 U	0.010 U
MW-18 Screen 4	Apr/May 2010	MW-18-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-18 Screen 4	Jul/Aug 2010	MW-18-4	NA	NA	5.0 U	0.010 U
MW-18 Screen 4	Oct/Nov 2010	MW-18-4	NA	NA	7.1	0.010 U
MW-18 Screen 5	Apr/May 2010	MW-18-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-18 Screen 5	Oct/Nov 2010	MW-18-5	NA	NA	5.0 U	0.010 U
MW-19 Screen 1	Apr/May 2010	MW-19-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-19 Screen 1	Oct/Nov 2010	MW-19-1	NA	NA	5.0 U	0.010 U
MW-19 Screen 2	Apr/May 2010	MW-19-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-19 Screen 2	Oct/Nov 2010	MW-19-2	NA	NA	5.0 U	0.010 U
MW-19 Screen 3	Apr/May 2010	MW-19-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-19 Screen 3	Oct/Nov 2010	MW-19-3	NA	NA	5.0 U	0.010 U
MW-19 Screen 4	Apr/May 2010	MW-19-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-19 Screen 4	Oct/Nov 2010	MW-19-4	NA	NA	5.0 U	0.010 U
MW-19 Screen 5	Apr/May 2010	MW-19-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-19 Screen 5	Oct/Nov 2010	MW-19-5	NA	NA	5.0 U	0.010 U
MW-20 Screen 1	Feb 2010	MW-20-1	NA	NA	5.0 U	0.010 U
MW-20 Screen 1	Apr/May 2010	MW-20-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 1	Jul/Aug 2010	MW-20-1	NA	NA	5.0 U	0.010 U
MW-20 Screen 1	Oct/Nov 2010	MW-20-1	NA	NA	5.0 U	0.010 U
MW-20 Screen 2	Feb 2010	MW-20-2	NA	NA	5.0 U	0.010 U
MW-20 Screen 2	Apr/May 2010	MW-20-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 2	Apr/May 2010	DUPE-04-2Q10	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 2	Jul/Aug 2010	MW-20-2	NA	NA	5.0 U	0.010 U
MW-20 Screen 2	Oct/Nov 2010	MW-20-2	NA	NA	5.0 U	0.010 U
MW-20 Screen 3	Feb 2010	MW-20-3	NA	NA	5.0 U	0.010 U
MW-20 Screen 3	Apr/May 2010	MW-20-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 3	Jul/Aug 2010	MW-20-3	NA	NA	5.0 U	0.010 U
MW-20 Screen 3	Jul/Aug 2010	DUPE-2-3Q10	NA	NA	5.0 U	0.010 U
MW-20 Screen 3	Oct/Nov 2010	MW-20-3	NA	NA	5.0 U	0.010 U
MW-20 Screen 4	Feb 2010	MW-20-4	NA	NA	5.0 U	0.010 U
MW-20 Screen 4	Apr/May 2010	MW-20-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 4	Jul/Aug 2010	MW-20-4	NA	NA	5.0 U	0.010 U
MW-20 Screen 4	Oct/Nov 2010	MW-20-4	NA	NA	5.0 U	0.010 U
MW-20 Screen 5	Feb 2010	MW-20-5	NA	NA	5.0 U	0.010 U
MW-20 Screen 5	Apr/May 2010	MW-20-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-20 Screen 5	Jul/Aug 2010	MW-20-5	NA	NA	5.0 U	0.010 U
MW-20 Screen 5	Oct/Nov 2010	MW-20-5	NA	NA	5.0 U	0.010 U
MW-21 Screen 1	Feb 2010	MW-21-1	NA	NA	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-21 Screen 1	Feb 2010	DUPE-1-1Q10	NA	NA	5.0 U	0.010 U
MW-21 Screen 1	Apr/May 2010	MW-21-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-21 Screen 1	Jul/Aug 2010	MW-21-1	NA	NA	5.0 U	0.010 U
MW-21 Screen 1	Oct/Nov 2010	MW-21-1	NA	NA	5.0 U	0.010 U
MW-21 Screen 2	Feb 2010	MW-21-2	NA	NA	5.0 U	0.010 U
MW-21 Screen 2	Apr/May 2010	MW-21-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-21 Screen 2	Jul/Aug 2010	MW-21-2	NA	NA	5.0 U	0.010 U
MW-21 Screen 2	Oct/Nov 2010	MW-21-2	NA	NA	5.0 U	0.010 U
MW-21 Screen 2	Oct/Nov 2010	DUPE-01-4Q10	NA	NA	5.0 U	0.010 U
MW-21 Screen 3	Feb 2010	MW-21-3	NA	NA	5.0 U	0.010 U
MW-21 Screen 3	Apr/May 2010	MW-21-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-21 Screen 3	Jul/Aug 2010	MW-21-3	NA	NA	5.0 U	0.010 U
MW-21 Screen 3	Oct/Nov 2010	MW-21-3	NA	NA	5.0 U	0.010 U
MW-21 Screen 4	Feb 2010	MW-21-4	NA	NA	5.0 U	0.010 U
MW-21 Screen 4	Apr/May 2010	MW-21-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-21 Screen 4	Jul/Aug 2010	MW-21-4	NA	NA	5.0 U	0.010 U
MW-21 Screen 4	Oct/Nov 2010	MW-21-4	NA	NA	5.0 U	0.010 U
MW-21 Screen 5	Feb 2010	MW-21-5	NA	NA	5.0 U	0.010 U
MW-21 Screen 5	Apr/May 2010	MW-21-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-21 Screen 5	Jul/Aug 2010	MW-21-5	NA	NA	5.0 U	0.010 U
MW-21 Screen 5	Oct/Nov 2010	MW-21-5	NA	NA	5.0 U	0.010 U
MW-22 Screen 1	Feb 2010	MW-22-1	NA	NA	5.0 U	0.010 U
MW-22 Screen 1	Apr/May 2010	MW-22-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-22 Screen 1	Jul/Aug 2010	MW-22-1	NA	NA	5.0 U	0.010 U
MW-22 Screen 1	Oct/Nov 2010	MW-22-1	NA	NA	5.0 U	0.010 U
MW-22 Screen 2	Feb 2010	MW-22-2	NA	NA	5.0 U	0.010 U
MW-22 Screen 2	Apr/May 2010	MW-22-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-22 Screen 2	Jul/Aug 2010	MW-22-2	NA	NA	5.0 U	0.010 U
MW-22 Screen 2	Jul/Aug 2010	DUPE-4-3Q10	NA	NA	5.0 U	0.010 U
MW-22 Screen 2	Oct/Nov 2010	MW-22-2	NA	NA	5.0 U	0.010 U
MW-22 Screen 2	Oct/Nov 2010	DUPE-03-4Q10	NA	NA	5.0 U	0.010 U
MW-22 Screen 3	Feb 2010	MW-22-3	NA	NA	5.0 U	0.010 U
MW-22 Screen 3	Apr/May 2010	MW-22-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-22 Screen 3	Jul/Aug 2010	MW-22-3	NA	NA	5.0 U	0.010 U
MW-22 Screen 3	Oct/Nov 2010	MW-22-3	NA	NA	5.0 U	0.010 U
MW-22 Screen 4	Apr/May 2010	MW-22-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-22 Screen 4	Oct/Nov 2010	MW-22-4	NA	NA	5.0 U	0.010 U
MW-22 Screen 5	Apr/May 2010	MW-22-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-22 Screen 5	Oct/Nov 2010	MW-22-5	NA	NA	5.0 U	0.010 U
MW-23 Screen 1	Feb 2010	MW-23-1	NA	NA	5.0 U	0.010 U
MW-23 Screen 1	Apr/May 2010	MW-23-1	2.0 U	5.000 U	5.0 U	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-23 Screen 1	Jul/Aug 2010	MW-23-1	NA	NA	5.0 U	0.010 U
MW-23 Screen 1	Oct/Nov 2010	MW-23-1	NA	NA	5.0 U	0.010 U
MW-23 Screen 1	Oct/Nov 2010	DUPE-07-4Q10	NA	NA	5.0 U	0.010 U
MW-23 Screen 2	Feb 2010	MW-23-2	NA	NA	5.0 U	0.010 U
MW-23 Screen 2	Apr/May 2010	MW-23-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-23 Screen 2	Jul/Aug 2010	MW-23-2	NA	NA	5.4 J	0.010 U
MW-23 Screen 2	Oct/Nov 2010	MW-23-2	NA	NA	5.0 U	0.010 U
MW-23 Screen 3	Feb 2010	MW-23-3	NA	NA	5.0 U	0.010 U
MW-23 Screen 3	Apr/May 2010	MW-23-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-23 Screen 3	Jul/Aug 2010	MW-23-3	NA	NA	6.0 J	0.010 U
MW-23 Screen 3	Oct/Nov 2010	MW-23-3	NA	NA	5.0 U	0.010 U
MW-23 Screen 4	Feb 2010	MW-23-4	NA	NA	5.0 U	0.010 U
MW-23 Screen 4	Apr/May 2010	MW-23-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-23 Screen 4	Jul/Aug 2010	MW-23-4	NA	NA	5.0 U	0.010 U
MW-23 Screen 4	Oct/Nov 2010	MW-23-4	NA	NA	5.0 U	0.010 U
MW-23 Screen 5	Apr/May 2010	MW-23-5	4.4	5.000 U	5.0 U	0.010 U
MW-23 Screen 5	Oct/Nov 2010	MW-23-5	NA	NA	5.0 U	0.010 U
MW-24 Screen 1	Feb 2010	MW-24-1	NA	NA	25.0	NA
MW-24 Screen 1	Feb 2010	DUPE-5-1Q10	NA	NA	13.0	NA
MW-24 Screen 1	Apr/May 2010	MW-24-1	2.0 U	5.000 U	12.0	0.010 U
MW-24 Screen 1	Jul/Aug 2010	MW-24-1	NA	NA	6.4 J	0.010 U
MW-24 Screen 1	Oct/Nov 2010	MW-24-1	NA	NA	6.0	0.010 U
MW-24 Screen 2	Feb 2010	MW-24-2	NA	NA	5.0 U	NA
MW-24 Screen 2	Apr/May 2010	MW-24-2	2.3	5.000 U	5.0 U	0.010 U
MW-24 Screen 2	Jul/Aug 2010	MW-24-2	NA	NA	5.0 U	0.010 U
MW-24 Screen 2	Jul/Aug 2010	DUPE-7-3Q10	NA	NA	5.0 U	0.010 U
MW-24 Screen 2	Oct/Nov 2010	MW-24-2	NA	NA	5.0 U	0.010 U
MW-24 Screen 3	Feb 2010	MW-24-3	NA	NA	5.0 U	NA
MW-24 Screen 3	Apr/May 2010	MW-24-3	2.5	5.000 U	5.0 U	0.010 U
MW-24 Screen 3	Jul/Aug 2010	MW-24-3	NA	NA	5.0 U	0.010 U
MW-24 Screen 3	Oct/Nov 2010	MW-24-3	NA	NA	5.0 U	0.010 U
MW-24 Screen 4	Feb 2010	MW-24-4	NA	NA	5.0 U	NA
MW-24 Screen 4	Apr/May 2010	MW-24-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-24 Screen 4	Jul/Aug 2010	MW-24-4	NA	NA	5.0 U	0.010 U
MW-24 Screen 4	Oct/Nov 2010	MW-24-4	NA	NA	5.0 U	0.010 U
MW-24 Screen 4	Oct/Nov 2010	DUPE-06-4Q10	NA	NA	5.0 U	0.010 U
MW-24 Screen 5	Apr/May 2010	MW-24-5	3.0	5.000 U	5.0 U	0.010 U
MW-24 Screen 5	Oct/Nov 2010	MW-24-5	NA	NA	5.0 U	0.010 U
MW-25 Screen 1	Feb 2010	MW-25-1	NA	NA	5.0 U	0.010 U
MW-25 Screen 1	Apr/May 2010	MW-25-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 1	Jul/Aug 2010	MW-25-1	NA	NA	7.1	0.010 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-25 Screen 1	Oct/Nov 2010	MW-25-1	NA	NA	5.0 U	0.010 U
MW-25 Screen 2	Feb 2010	MW-25-2	NA	NA	5.0 U	0.010 U
MW-25 Screen 2	Apr/May 2010	MW-25-2	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 2	Apr/May 2010	DUPE-7-2Q10	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 2	Jul/Aug 2010	MW-25-2	NA	NA	6.5 J	0.010 U
MW-25 Screen 2	Oct/Nov 2010	MW-25-2	NA	NA	5.0 U	0.010 U
MW-25 Screen 3	Feb 2010	MW-25-3	NA	NA	5.0 U	0.010 U
MW-25 Screen 3	Apr/May 2010	MW-25-3	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 3	Jul/Aug 2010	MW-25-3	NA	NA	5.9	0.010 U
MW-25 Screen 3	Oct/Nov 2010	MW-25-3	NA	NA	5.0 U	0.010 U
MW-25 Screen 4	Feb 2010	MW-25-4	NA	NA	5.0 U	0.010 U
MW-25 Screen 4	Apr/May 2010	MW-25-4	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 4	Jul/Aug 2010	MW-25-4	NA	NA	5.0 U	0.010 U
MW-25 Screen 4	Oct/Nov 2010	MW-25-4	NA	NA	5.0 U	0.010 U
MW-25 Screen 5	Feb 2010	MW-25-5	NA	NA	5.0 U	0.010 U
MW-25 Screen 5	Apr/May 2010	MW-25-5	2.0 U	5.000 U	5.0 U	0.010 U
MW-25 Screen 5	Jul/Aug 2010	MW-25-5	NA	NA	5.0 U	0.010 U
MW-25 Screen 5	Oct/Nov 2010	MW-25-5	NA	NA	5.0 U	0.010 U
MW-26 Screen 1	Feb 2010	MW-26-1	NA	NA	5.0 U	0.010 U
MW-26 Screen 1	Apr/May 2010	MW-26-1	2.0 U	5.000 U	5.0 U	0.010 U
MW-26 Screen 1	Jul/Aug 2010	MW-26-1	NA	NA	5.0 U	0.010 U
MW-26 Screen 1	Oct/Nov 2010	MW-26-1	NA	NA	5.0 U	0.010 U
MW-26 Screen 1	Oct/Nov 2010	DUPE-08-4Q10	NA	NA	5.0 U	0.010 U
MW-26 Screen 2	Feb 2010	MW-26-2	NA	NA	5.0 U	0.010 U
MW-26 Screen 2	Apr/May 2010	MW-26-2	2.2	5.000 U	5.0 U	0.010 U
MW-26 Screen 2	Jul/Aug 2010	MW-26-2	NA	NA	6.8	0.010 U
MW-26 Screen 2	Oct/Nov 2010	MW-26-2	NA	NA	5.0 U	0.010 U
California Maximum Contaminant Level (MCL)			10	15 *	50	0.05 **
EPA Region IX Maximum Contaminant Level			50	15 *	100	NE

Notes

DUPE Field Duplicate

NA Not analyzed

NE Not established

UNK PQL value unknown

* Interim Action Level - California Department of Health Services

** As of January 6, 2004, hexavalent chromium is regulated under the 50-µg/L MCL for total chromium.

DHS will be adopting an MCL that is specific for hexavalent chromium (DHS, 2004).

As of August 20, 2009, a draft PHG of 0.06 µg/L has been established by Cal/EPA (e.g., Health and Safety

Code requirement to establish the MCL); however, the CDPH (formerly DHS) has not established an MCL.

J Analyte concentration is an estimated value

TABLE 3
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE REPORTED IN
MUNICIPAL PRODUCTION WELLS NEAR JPL DURING LAST FOUR SAMPLING EVENTS OF THE
LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM

(All concentrations reported in µg/L.)

(Shaded values exceed State or Federal MCLs or action levels.)

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
LINCOLN AVENUE WATER CO.	WELL 03	12/15/09	29.0	NA	NA	NA
		12/22/09	29.0	NA	NA	NA
		12/29/09	29.0	NA	NA	NA
		1/05/10	31.0	1.4	0.5	1.9
		1/12/10	26.0	NA	NA	NA
		1/19/10	29.0	NA	NA	NA
		1/26/10	27.0	NA	NA	NA
		2/02/10	34.0	1.5	0.6	2.0
		2/09/10	30.0	NA	NA	NA
		2/16/10	31.0	NA	NA	NA
		3/02/10	35.0	1.4	0.6	1.9
		3/09/10	39.0	NA	NA	NA
		5/24/10	4.0 U	NA	NA	NA
		7/08/10	36.0	0.5 U	0.5	0.7
		7/13/10	36.0	NA	NA	NA
		7/27/10	31.0	NA	NA	NA
		8/03/10	30.0	0.6	0.5 U	NA
		8/10/10	30.0	NA	NA	NA
		8/17/10	32.0	NA	NA	NA
		8/24/10	35.0	NA	NA	NA
		8/26/10	NA	0.9	0.5 U	1.6
		8/31/10	34.0	NA	NA	NA
		9/07/10	34.0	1.0	0.5	1.4
		9/14/10	35.0	NA	NA	NA
		9/21/10	37.0	NA	NA	NA
		9/28/10	38.0	NA	NA	NA
10/05/10	34.0	1.0	0.5	1.4		
10/12/10	38.0	NA	NA	NA		
10/19/10	38.0	NA	NA	NA		
RUBIO CANON LAND & WATER ASSOCIATION	WELL 04	12/14/09	4.0 U	NA	NA	NA
		12/21/09	4.0 U	NA	NA	NA
		12/28/09	4.0 U	NA	NA	NA
		1/04/10	4.0 U	NA	NA	NA
		1/11/10	4.0 U	NA	NA	NA
		2/08/10	4.0 U	NA	NA	NA
		2/16/10	4.0 U	NA	NA	NA
		2/22/10	4.0 U	NA	NA	NA
		3/01/10	4.0 U	NA	NA	NA
		3/08/10	4.0 U	NA	NA	NA
		3/15/10	4.0 U	NA	NA	NA
		3/22/10	4.0 U	NA	NA	NA
		3/29/10	4.0 U	NA	NA	NA
		4/05/10	4.0 U	NA	NA	NA

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE	
RUBIO CANON LAND & WATER ASSOCIATION (con't)	WELL 04 (con't)	4/12/10	4.0 U	NA	NA	NA	
		4/19/10	4.0 U	NA	NA	NA	
		4/26/10	4.0 U	NA	NA	NA	
		6/01/10	4.0 U	NA	NA	NA	
		6/07/10	4.0 U	NA	NA	NA	
		6/14/10	4.0 U	NA	NA	NA	
		6/21/10	4.0 U	NA	NA	NA	
		6/28/10	4.0 U	NA	NA	NA	
		7/06/10	4.0 U	NA	NA	NA	
		7/12/10	4.0 U	NA	NA	NA	
		7/19/10	4.0 U	NA	NA	NA	
		7/26/10	4.0 U	NA	NA	NA	
		8/02/10	4.0 U	NA	NA	NA	
		8/09/10	4.0 U	NA	NA	NA	
		8/16/10	4.0 U	NA	NA	NA	
		8/23/10	4.0 U	NA	NA	NA	
		8/30/10	4.0 U	NA	NA	NA	
		9/07/10	4.0 U	NA	NA	NA	
		9/13/10	4.0 U	NA	NA	NA	
		9/20/10	4.0 U	NA	NA	NA	
	9/27/10	4.0 U	NA	NA	NA		
	10/04/10	4.0 U	NA	NA	NA		
	10/11/10	4.0 U	NA	NA	NA		
	10/18/10	4.0 U	NA	NA	NA		
	10/25/10	4.0 U	NA	NA	NA		
		WELL 07	12/14/09	4.0 U	NA	NA	NA
			12/21/09	4.0 U	NA	NA	NA
			12/28/09	4.0 U	NA	NA	NA
			1/04/10	4.0 U	NA	0.7	NA
			1/11/10	4.0 U	NA	NA	NA
			2/08/10	4.0 U	NA	0.9	NA
			2/16/10	4.0 U	NA	NA	NA
			2/22/10	4.0 U	NA	NA	NA
			3/01/10	4.0 U	NA	0.9	NA
			3/08/10	4.0 U	NA	NA	NA
			3/15/10	4.0 U	NA	NA	NA
	3/22/10		4.0 U	NA	NA	NA	
	3/29/10		4.0 U	NA	NA	NA	
	4/05/10		4.0 U	NA	0.7	NA	
	4/12/10		4.0 U	NA	NA	NA	
	4/19/10		4.0 U	NA	NA	NA	
	4/26/10	4.0 U	NA	NA	NA		
	5/24/10	4.0 U	NA	NA	NA		
	6/01/10	4.0 U	NA	0.5 U	NA		
	6/07/10	4.0 U	NA	NA	NA		
	6/14/10	4.0 U	NA	NA	NA		
	6/21/10	4.0 U	NA	NA	NA		
	6/28/10	4.0 U	NA	NA	NA		
	7/06/10	4.0 U	NA	0.5 U	NA		
	7/12/10	4.0 U	NA	NA	NA		

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
RUBIO CANON LAND & WATER ASSOCIATION (con't)	WELL 07 (con't)	7/19/10	4.0 U	NA	NA	NA
		7/26/10	4.0 U	NA	NA	NA
		8/02/10	4.0 U	NA	0.5 U	NA
		8/09/10	4.0 U	NA	NA	NA
		8/16/10	4.0 U	NA	NA	NA
		8/23/10	4.0 U	NA	NA	NA
		8/30/10	4.0 U	NA	NA	NA
		9/07/10	4.0 U	NA	0.5 U	NA
		9/13/10	4.0 U	NA	NA	NA
		9/20/10	4.0 U	NA	NA	NA
		9/27/10	4.0 U	NA	NA	NA
		10/04/10	4.0 U	NA	0.5 U	NA
		10/11/10	4.0 U	NA	NA	NA
		10/18/10	4.0 U	NA	NA	NA
10/25/10	4.0 U	NA	NA	NA		
LAS FLORES WATER CO.	WELL 02	12/14/09	5.4	NA	0.6	NA
		12/21/09	5.3	NA	0.7	NA
		12/28/09	5.7	NA	0.8	NA
		1/04/10	6.3	NA	0.5 U	NA
		1/11/10	5.2	NA	0.6	NA
		1/18/10	5.0	NA	0.5 U	NA
		2/01/10	5.7	NA	0.5 U	NA
		2/08/10	6.0	NA	0.7	NA
		2/16/10	6.4	NA	0.6	NA
		2/22/10	6.4	NA	0.8	NA
		3/01/10	7.1	NA	0.5 U	NA
		3/15/10	6.6	NA	0.5 U	NA
		3/22/10	5.6	NA	0.5	NA
		3/29/10	4.0	NA	0.5 U	NA
		4/05/10	5.4	NA	0.5 U	NA
		4/12/10	6.4	NA	0.5	NA
		4/19/10	6.3	NA	0.5 U	NA
		4/26/10	6.8	NA	0.5 U	NA
		5/24/10	6.0	NA	0.5 U	NA
		6/01/10	5.9	NA	0.5 U	NA
		6/07/10	5.1	NA	0.5 U	NA
		6/14/10	5.5	NA	0.5 U	NA
		6/21/10	5.6	NA	0.5 U	NA
		6/28/10	6.7	NA	0.5 U	NA
		7/06/10	6.1	NA	0.5 U	NA
		7/12/10	4.1	NA	0.5 U	NA
		7/19/10	6.0	NA	0.5 U	NA
		7/26/10	6.9	NA	0.5 U	NA
		8/09/10	6.7	NA	0.5 U	NA
		8/16/10	5.4	NA	0.5 U	NA
		8/23/10	5.2	NA	0.5 U	NA
		8/30/10	5.1	NA	0.5 U	NA
9/07/10	5.1	NA	0.5 U	NA		
9/13/10	4.9	NA	0.5 U	NA		
9/20/10	6.0	NA	0.5 U	NA		

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE	
LAS FLORES WATER CO. (con't)	WELL 02 (con't)	9/27/10	6.1	NA	0.5 U	NA	
		10/04/10	5.6	NA	0.5 U	NA	
		10/11/10	5.1	NA	0.5 U	NA	
		10/18/10	6.1	NA	0.5 U	NA	
		10/25/10	5.8	NA	0.5 U	NA	
LA CANADA IRRIGATION DIST.	WELL 01	2/28/10	4.5	NA	NA	NA	
		3/22/10	4.0	0.5 U	0.5 U	0.9	
		5/24/10	4.0 U	NA	NA	NA	
		6/28/10	NA	NA	0.8	1.5	
		8/30/10	4.0 U	NA	NA	NA	
	9/27/10	NA	NA	0.8	1.7		
	WELL 06	12/28/09	NA	0.5 U	0.7	2.0	
		3/22/10	NA	NA	0.6	1.2	
		6/01/10	NA	NA	0.5 U	0.5 U	
		9/27/10	4.0 U	NA	0.5 U	0.5 U	
VALLEY WATER CO.	WELL 01	6/02/10	4.9	0.5 U	2.4	1.3	
		7/06/10	4.0 U	NA	NA	NA	
		7/07/10	NA	0.5 U	2.2	1.2	
		8/03/10	5.3	0.5 U	2.0	1.2	
		9/07/10	4.1	NA	NA	NA	
		9/09/10	NA	0.5 U	2.1	1.5	
		10/07/10	4.0 U	0.5 U	2.0	1.6	
	WELL 02	6/02/10	4.5	0.5 U	5.3	0.8	
		7/07/10	4.4	0.5 U	5.5	0.7	
		7/15/10	4.7	NA	NA	NA	
		8/03/10	5.4	0.5 U	3.6	0.7	
		9/07/10	4.4	NA	NA	NA	
		9/09/10	NA	0.5 U	2.8	0.7	
		10/07/10	4.4	0.5 U	4.3	0.6	
	WELL 03	6/02/10	5.6	0.5 U	2.1	0.9	
		7/07/10	4.8	0.5 U	2.2	0.8	
		8/03/10	5.6	0.5 U	1.7	0.6	
		9/07/10	4.0 U	NA	NA	NA	
	WELL 04	6/02/10	5.3	0.5 U	2.1	1.2	
		7/06/10	4.0	NA	NA	NA	
		7/07/10	NA	0.5 U	2.4	1.1	
	California Maximum Contaminant Level (MCL)			6.0 *	0.5	5.0	5.0
	EPA Region IX Maximum Contaminant Level			NE	5.0	5.0	5.0
	<p>Notes</p> <p>NA Not analyzed</p> <p>NE Not established</p> <p>* Interim Action Level - California Department of Public Health</p> <p>Source California Department of Public Health Drinking Water Program, California Drinking Water Data, January 4, 2005</p> <p>U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.</p>						

TABLE 4
TENTATIVELY IDENTIFIED COMPOUNDS
IN SAMPLES COLLECTED DURING THE OCT/NOV 2010 SAMPLING EVENT

(All concentrations reported in µg/L.)

Sampling Location	Sample Type	Tentatively Identified Compound	Concentration
MW-14-5	NORMAL	Isopropanol	350.0
MW-20-3	NORMAL	Isopropanol	540.0
MW-20-4	NORMAL	Isopropanol	610.0
MW-20-5	NORMAL	Isopropanol	560.0
MW-20-5	NORMAL	Fluorotrimethyl Silane	2.3
MW-24-4	DUP	Sulfur dioxide	0.0025