



Technical Memorandum

2014 Groundwater Monitoring Summary (Including Fourth Quarter 2014 Groundwater Sampling Event) National Aeronautics and Space Administration Jet Propulsion Laboratory, Pasadena, California

Final

January 2015

This technical memorandum summarizes the results of the fourth quarter 2014 groundwater sampling event completed as part of the groundwater monitoring program at the National Aeronautics and Space Administration (NASA) Jet Propulsion Laboratory (JPL). The fourth quarter 2014 groundwater sampling event was conducted from October 17 through October 31, 2014.

INTRODUCTION

During the fourth quarter 2014 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 BC Laboratories, Inc., in Bakersfield, California, for chemical analysis. BC Laboratories, Inc. is certified by the State Water Resources Control Board (CalEPA). 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. No tentatively identified compounds (TICs) were detected in the samples collected during the fourth quarter of 2014.

Figures summarizing the results from the fourth quarter 2014 sampling event are included in this technical memorandum. Figure 2 shows the lateral extent of carbon tetrachloride concentrations in groundwater and Figure 3 provides 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 provides 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 from the fourth quarterly event and groundwater flow directions.

Attachment 1 summarizes the field and laboratory quality assurance (QA), data verification and data validation procedures utilized for the JPL groundwater monitoring program. Attachment 2 contains the data validation reports performed by an independent subcontractor, Laboratory Data Consultants, Inc. (LDC). Attachment 3 contains the laboratory analytical reports prepared by BC Laboratories, Inc. Attachment 4 contains the groundwater sample collection field logs for the JPL groundwater monitoring wells. Attachment 5 contains water level field measurement log sheets. Attachment 6 presents time series

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

plots for select wells and analytes. Attachment 7 presents historical perchlorate, VOC and metals concentrations from 1996 to present. A summary of the well construction details for the JPL groundwater monitoring wells is included in Attachment 8.

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).

Well MW-2 has not been sampled during 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 that 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. (Note: grab samples were collected at MW-7, MW-13 and MW-16 due to insufficient water available to use the dedicated pumps to purge the wells.)

The source area treatment system has been operating since 2005 and addresses groundwater beneath the JPL facility which has historically contained the highest concentrations of perchlorate and VOCs (i.e., the source area). 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 presented below.

PERCHLORATE ANALYTICAL RESULTS

- During the fourth quarter 2014 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 (8.5 $\mu\text{g}/\text{L}$), MW-13 (160 $\mu\text{g}/\text{L}$) and MW-24 (Screen 1 [140 $\mu\text{g}/\text{L}$]).
- Perchlorate was detected below the state MCL (6.0 $\mu\text{g}/\text{L}$) in MW-24 (Screen 2 [5.4 $\mu\text{g}/\text{L}$]). No other perchlorate detections occurred in the on facility source area wells during the fourth quarter 2014.
- Perchlorate concentrations increased from their respective last sampling date to the fourth quarter 2014 in MW-7 (non-detect to 8.5 $\mu\text{g}/\text{L}$) and MW-24 (Screen 1 [non-detect to 140 $\mu\text{g}/\text{L}$]).
- Perchlorate concentrations decreased from their respective last sampling event to the fourth quarter 2014 in MW-24 (Screen 2 [6.0 $\mu\text{g}/\text{L}$ to 5.4 $\mu\text{g}/\text{L}$]).
- During 2014, perchlorate concentrations in MW-7, MW-13, MW-16 and MW-24 (Screens 1 and 2) ranged from non-detect to 8.5 $\mu\text{g}/\text{L}$, 36.0 $\mu\text{g}/\text{L}$ to 200 $\mu\text{g}/\text{L}$, non-detect to an estimated detection (indicated by "J") of 2.3J $\mu\text{g}/\text{L}$, non-detect to 160 $\mu\text{g}/\text{L}$ and 5.4 $\mu\text{g}/\text{L}$ to 8.5 $\mu\text{g}/\text{L}$, respectively.
- Perchlorate concentrations in MW-16 and MW-24 (Screens 3, 4 and 5) were non-detect during the fourth quarter 2014, with a reporting limit of 4.0 $\mu\text{g}/\text{L}$.

VOC ANALYTICAL RESULTS

- During the fourth quarter 2014, carbon tetrachloride was detected below the state MCL (0.5 µg/L) in MW-24 (Screen 1 [0.3 µg/L]).
- In 2014, carbon tetrachloride was detected above the state MCL in MW-24 (Screen 1 [first quarter]). Carbon tetrachloride was also detected below the state MCL during 2014 in MW-13 (first quarter [estimated levels]) and MW-24 (Screens 1 [fourth quarter] and 2 [first quarter]). No other detections occurred during 2014.
- During the fourth quarter 2014, TCE was detected below the state and federal MCL of 5.0 µg/L in MW-13 (0.2 µg/L).
- In 2014, TCE was detected below the state MCL (5.0 µg/L) in MW-13 (all quarters).
- During the fourth quarter 2014, PCE was detected below the state and federal MCL of 5.0 µg/L in MW-7 (0.2 µg/L), MW-13 (1.3 µg/L) and MW-24 (Screens 1 [0.6 µg/L] and 2 [0.2 µg/L]).
- In 2014, PCE was detected below the state MCL in MW-7 (fourth quarter), MW-13 (all quarters) and MW-24 (Screens 1 [first, second and fourth quarters], 2 [first, third and fourth quarters] and 3 [first and third quarters]). No other detections occurred during 2014.

OTHER NOTABLE ANALYTICAL RESULTS

- During the fourth quarter 2014, Cr(VI)² was detected below the state MCL of 10.0 µg/L in MW-24 (Screens 2 [2.0 µg/L] and 5 [2.0 µg/L]).
- In 2014, Cr(VI)² was detected in MW-7 (first, second and third quarters), MW-16 (first, second and third quarters) and MW-24 (Screens 1 [second quarter], 2 [all quarters] and 5 [fourth quarter]); however, only the detection in MW-16 (15.0 µg/L [first quarter 2014]) was above the state MCL of 10.0 µg/L.
- During the fourth quarter 2014, total chromium was detected below the state MCL of 50.0 µg/L in well MW-24 (Screens 1, 2, 4 and 5 [4.7 µg/L, 2.6 µg/L, 0.7 µg/L and 1.1 µg/L, respectively]).
- During the four quarters of 2014, total chromium was detected in MW-7 [first, second and third quarters], MW-13 [first, second and third quarters], MW-16 [first, second and third quarters] and MW-24 (Screens 1 and 2 [all quarters], 4 and 5 [fourth quarter]); however, only the detections in MW-7 (9,100 µg/L [third quarter]), MW-13 (150 µg/L, 220 µg/L and 51,000 µg/L [first, second and third quarters, respectively]) and MW-16 (410 µg/L, 690 µg/L and 2,900 µg/L [first, second and third quarters, respectively]) exceeded the state MCL (50.0 µg/L). The total chromium detections in MW-7 (9,100 µg/L), MW-13 (51,000 µg/L) and MW-16 (2,900 µg/L) are the highest detections in these wells since they were first analyzed for total chromium in 1996. The detection of total chromium in well MW-7 during the third quarter 2014 is the third time total chromium has been detected above the state MCL of 50.0 µg/L (third quarter 2011 [79.0 µg/L], third quarter 2012 [73.0 µg/L] and third quarter 2014 [9,100 µg/L]). The detection of total chromium in well MW-13 during the third quarter 2014 is the fifth consecutive detection above the state MCL of 50.0 µg/L (third quarter 2013 through third quarter 2014). Prior to the third quarter 2013, total chromium results in well MW-13 have been detected below the state MCL of 50.0 µg/L since fourth quarter 2008 (88.0 µg/L) with one exception, a non-detect during the first quarter 2010. Prior to the fourth quarter 2008, total chromium concentrations in well MW-13 have either been above or below the state MCL of

²On July 1, 2014, the State Water Resources Control Board (CalEPA) adopted an MCL for Cr(VI) of 10.0 µg/L. See http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Chromium6.shtml

50.0 µg/L, with the highest detection occurring in the fourth quarter 2006 (131 µg/L). The detection of total chromium in well MW-16 during the third quarter 2014 is the seventh time total chromium has been detected above the state MCL of 50.0 µg/L (fourth quarter 2001 [140.8 µg/L], fourth quarter 2006 [73.7 µg/L], third quarter 2012 [93.0 µg/L], fourth quarter 2013 [260 µg/L], first quarter 2014 [410 µg/L], second quarter 2014 [690 µg/L] and third quarter 2014 [2,900 µg/L]) since it was first monitored for total chromium in 1996. The total chromium detections that occurred during the third quarter 2014 in MW-7, MW-13, and MW-16 were abnormally high and correlate with the sample collection method in which grab samples were collected with a disposable bailer due to insufficient water for purging (associated with the drought in California). This collection method yielded results that were not representative of aquifer conditions. In the October 2014 technical memorandum, it was recommended that metals analysis would not be performed on the shallow standpipe wells when there is insufficient water for purging. As a result, samples were not collected and analyzed for metals in MW-7, MW-13, and MW-16 during the fourth quarter 2014. Total chromium results in the on facility source area wells will continue to be closely evaluated during subsequent sampling events.

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 2014, perchlorate was detected above the state MCL of 6.0 µg/L in MW-8 (7.8 µg/L).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-6 (3.0J µg/L), MW-22 (Screens 1 through 4 [3.3J µg/L, 3.2J µg/L, 2.2J µg/L and 1.1J µg/L, respectively]) and MW-23 (Screens 1 through 4 [3.8J µg/L, 4.1 µg/L, 3.6J µg/L and 1.1J µg/L, respectively]).
- Perchlorate concentrations increased slightly from their respective last sampling event to the fourth quarter 2014 in MW-22 (Screens 1 [3.2J µg/L to 3.3J µg/L] and 2 [non-detect to 3.2J µg/L]) and MW-23 (Screen 4 [non-detect to 1.1J µg/L]).
- Perchlorate concentrations decreased from their respective last sampling event to the fourth quarter 2014 in MW-6 (3.8J µg/L to 3.0J µg/L), MW-8 (180 µg/L to 7.8 µg/L), MW-22 (Screen 3 [2.7J µg/L to 2.2J µg/L]) and MW-23 (Screens 2 [4.4 µg/L to 4.1 µg/L] and 3 [3.9J µg/L to 3.6J µg/L]).
- During 2014, perchlorate concentrations in MW-8 ranged from 7.8 µg/L to 180 µg/L. This is the highest detection in MW-8 since a detection of 194 µg/L during the first quarter 2010.
- During the fourth quarter 2014, perchlorate was not detected in MW-11 (Screens 1 through 5), MW-22 (Screen 5) and MW-23 (Screen 5) with a reporting limit of 4.0 µg/L.

VOC ANALYTICAL RESULTS

- Carbon tetrachloride was detected below the state MCL (0.5 µg/L) in MW-11 (Screen 3 [0.2J µg/L]). No other carbon tetrachloride detections occurred in the other on facility wells during the fourth quarter 2014 with a reporting limit of 0.5 µg/L.
- In 2014, carbon tetrachloride was detected below the state MCL (0.5 µg/L) in MW-8 (third quarter) and MW-11 (Screen 3 [fourth quarter]). No other carbon tetrachloride detections

occurred in the other on facility wells during any of the four quarters of 2014 with a reporting limit of 0.5 µg/L.

- During the fourth quarter 2014, TCE was detected below the state and federal MCL of 5.0 µg/L in MW-6 (3.7 µg/L), MW-11 (Screen 3 [0.1] µg/L), MW-22 (Screen 1 [2.0 µg/L]) and MW-23 (Screens 1 [3.9 µg/L] and 2 [1.3 µg/L]).
- Detections of TCE in the other on facility wells were relatively consistent (low detections or non-detect) in 2014 and all remained below the state and federal MCL of 5.0 µg/L.
- During the fourth quarter 2014, PCE was detected below the state and federal MCL for PCE (5.0 µg/L) in MW-6 (1.0 µg/L), MW-22 (Screens 1 [0.6 µg/L] and 2 [0.1] µg/L) and MW-23 (Screens 1 [0.5] µg/L] and 2 [0.3] µg/L]).
- Detections of PCE in the other on facility wells were relatively consistent (low detections or non-detect) in 2014 and all remained below the state and federal MCL of 5.0 µg/L.

OTHER NOTABLE ANALYTICAL RESULTS

- During the fourth quarter 2014, Cr(VI)² was detected below the state MCL of 10.0 µg/L in MW-6 (1.0] µg/L), MW-8 (8.0 µg/L), MW-22 (Screens 2 [1.0] µg/L], 3 [2.0] µg/L] and 4 [2.0] µg/L]) and MW-23 (Screens 1 through 4 [1.0] µg/L, 1.0] µg/L, 3.0 µg/L and 2.0 µg/L, respectively)).
- Detections of Cr(VI)² in the other on facility wells were relatively consistent (low detections or non-detect) in 2014 and all remained below the state MCL of 10.0 µg/L.
- During the fourth quarter 2014, total chromium was detected in MW-6 (270 µg/L), MW-8 (20.0 µg/L), MW-11 (Screens 3 [0.6] µg/L] and 5 [1.2] µg/L]), MW-22 (Screens 1 through 4 [1.3] µg/L, 2.0] µg/L, 2.5] µg/L and 2.3] µg/L, respectively)) and MW-23 (Screens 1 through 4 [0.7] µg/L, 0.7] µg/L, 2.9] µg/L and 2.0] µg/L, respectively)); however, only the detection of 270 µg/L in MW-6 was above the state MCL (50 µg/L). The detection of total chromium in well MW-6 during the fourth quarter 2014 is only the seventh time total chromium has been detected at or above the state MCL of 50.0 µg/L (third quarter 1996 [50.0 µg/L], third quarter 1999 [310 µg/L], second quarter 2000 [82.0 µg/L], third quarter 2000 [51.0 µg/L], second quarter 2012 [83.0 µg/L], second quarter 2014 [190 µg/L] and fourth quarter 2014 [270 µg/L]) since it was first monitored for total chromium in 1996. Total chromium results in the other on facility wells will continue to be closely evaluated during subsequent sampling events.
- With the exception of MW-6, detections of total chromium in the other on facility wells were relatively consistent (low detections or non-detect) in 2014 and all remained below the state MCL of 50 µg/L. Total chromium detections in MW-6 ranged from 8.1 µg/L to 270 µg/L in 2014.

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. It should be noted that during the fourth quarter MW-12 (Screen 1) and MW-14 (Screen 1) were dry and no samples were collected. These well screens were dry due to declining water levels associated with the drought in California.

PERCHLORATE ANALYTICAL RESULTS

- During the fourth quarter 2014 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 [32.0 µg/L]), MW-4 (Screen 2 [18.0 µg/L]) and MW-5 (6.8 µg/L).

- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-4 (Screens 1 [1.2] µg/L and 3 [1.2] µg/L), MW-10 (3.4] µg/L), MW-12 (Screens 2 through 5 [1.8] µg/L, 1.2] µg/L, 2.2] µg/L and 1.5] µg/L, respectively) and MW-14 (Screens 2 through 4 [3.9] µg/L, 5.3 µg/L and 4.8 µg/L, respectively).
- Perchlorate concentrations increased slightly from their respective last sampling date to the fourth quarter 2014 in MW-3 (Screen 2 [31.0 µg/L to 32.0 µg/L]), MW-4 (Screen 1 [non-detect to 1.2] µg/L) and MW-14 (Screens 2 through 4 [3.8] µg/L to 3.9] µg/L, 4.9 µg/L to 5.3 µg/L and 4.6 µg/L to 4.8 µg/L, respectively).
- Perchlorate concentrations decreased from their last sampling event to the fourth quarter 2014 in MW-4 (Screens 2 [28.0 µg/L to 18.0 µg/L], and 3 [1.7] µg/L to 1.2] µg/L), MW-5 (9.4 µg/L to 6.8 µg/L), MW-10 (3.7] µg/L to 3.4] µg/L), and MW-12 (Screens 2 through 5 [2.3] µg/L to 1.8 µg/L, 3.3] µg/L to 1.2] µg/L, 2.9] µg/L to 2.2 µg/L and 2.0] µg/L to 1.5] µg/L, respectively).
- The perchlorate detection of 32.0 µg/L in MW-3 (Screen 2) in the third quarter 2014 is the third detection above the state MCL (6.0 µg/L) since the second quarter 2011. Perchlorate has been non-detect in MW-3 (Screen 2) since the second quarter 2011 with six exceptions: 3.0 µg/L, 1.3 µg/L, 3.9] µg/L, 25.0 µg/L, 31 µg/L and 32 µg/L (third quarter 2011, second quarter 2012, first quarter 2014, second quarter 2014, third quarter 2014, and fourth quarter 2014, respectively). MW-3 is within the capture zone of the Monk Hill Treatment System (MHTS).
- The perchlorate concentration of 18.0 µg/L in MW-4 (Screen 2) continues to be down from the high detection of 250 µg/L (third quarter 2013). The perchlorate detection is consistent with recent detections in this well screen. Since the first quarter 2011, concentrations have exceeded the state MCL (6.0 µg/L). MW-4 is within the capture zone of the MHTS.
- Perchlorate concentrations in MW-12 (Screen 2) were detected below the state MCL (6.0 µg/L) from the first quarter 2008 through the third quarter 2010. Since the fourth quarter 2010, the detections have been above the state MCL (6.0 µg/L) during eight of the last 17 sampling events. MW-12 is within the capture zone of the MHTS.
- During 2014, perchlorate concentrations in MW-10, MW-12 (Screens 2 through 5) and MW-14 (Screens 2 through 5) remained below the state MCL (6.0 µg/L) for all quarters.
- During the fourth quarter 2014, perchlorate was not detected in MW-1, MW-3 (Screens 1, 3, 4 and 5), MW-4 (Screens 4 and 5), MW-9, MW-14 (Screen 5) and MW-15 with a reporting limit of 4.0 µg/L.

VOC ANALYTICAL RESULTS

- During the fourth quarter 2014, carbon tetrachloride was detected at and above the state MCL in MW-12 (Screens 3 [0.6 µg/L] and 4 [0.5] µg/L]) and at a concentration below the state MCL (0.5 µg/L) in MW-12 (Screen 5 [0.2 µg/L]). No other carbon tetrachloride detections occurred in the perimeter off facility wells during the fourth quarter 2014.
- In 2014, carbon tetrachloride was detected above the state MCL (0.5 µg/L) in MW-12 (Screens 3, 4 [all four quarters] and 5 [first quarter 2014]) and below the state MCL (0.5 µg/L) in MW-12 (Screen 5 [second, third and fourth quarters 2014]).
- During the fourth quarter 2014, TCE was detected in wells MW-4 (Screen 2 [1.1 µg/L]), MW-5 (4.7 µg/L), MW-10 (7.7 µg/L), MW-12 (Screens 3 [0.3] µg/L, 4 [0.2] µg/L] and 5 [0.1] µg/L]) and MW-14 (Screens 2 through 4 [3.8 µg/L, 1.8 µg/L and 0.3] µg/L, respectively)); however, only the detection of 7.7 µg/L in MW-10 is above the state and federal MCL (5.0 µg/L). No other TCE detections occurred in the perimeter off facility wells during the fourth quarter 2014.
- In 2014, detections of TCE in MW-4 (Screen 2), MW-5, MW-10, MW-12 (Screens 3, 4 and 5) and MW-14 (Screens 1, 2, 3 and 4) remained relatively consistent, ranging from non-detect to 8.5 µg/L.

- During the fourth quarter 2014, PCE was detected below the state and federal MCL (5.0 µg/L) in wells MW-3 (Screens 3 [0.2] µg/L, 4 [0.2] µg/L and 5 [0.2] µg/L), MW-4 (Screen 2 [0.7 µg/L]), MW-5 (0.7 µg/L), MW-10 (0.8 µg/L) and MW-14 (Screens 2 through 4 [0.5 µg/L, 0.7 µg/L and 0.3] µg/L, respectively). No other PCE detections occurred in the perimeter off facility wells during the fourth quarter 2014.
- In 2014, detections of PCE in MW-3 (Screens 3 and 4), MW-4 (Screen 2), MW-5, MW-10 and MW-14 (Screens 1 through 4) remained relatively consistent, ranging from non-detect to 1.1 µg/L.

OTHER NOTABLE ANALYTICAL RESULTS

- During the fourth quarter 2014, Cr(VI)² was detected below the state MCL of 10.0 µg/L in MW-4 (Screen 5 [1.0] µg/L), MW-5 (1.0] µg/L), MW-12 (Screen 5 [1.0] µg/L) and MW-14 (Screen 4 [2.0] µg/L). No other Cr(VI)² detections occurred in the perimeter off facility wells during the fourth quarter 2014.
- Detections of Cr(VI)² in the perimeter off facility wells were relatively consistent in 2014, ranging from non-detect to 2.0] µg/L and remained below the state MCL of 10.0 µg/L.
- During the fourth quarter 2014, total chromium was detected below the state MCL of 50.0 µg/L in MW-1 (0.6]), MW-3 (Screens 4 [13.0 µg/L] and 5 [30.0 µg/L]), MW-4 (Screens 2 through 4 [3.9 µg/L, 1.0] µg/L and 0.9] µg/L), MW-5 (2.7] µg/L), MW-9 (3.0 µg/L), MW-10 (10.0 µg/L), MW-12 (Screens 2 through 5 [2.8] µg/L, 0.6] µg/L, 0.8] µg/L and 2.7] µg/L, respectively) and MW-15 (0.8] µg/L).
- During the four quarters of 2014, total chromium remained relatively consistent and below the state MCL of 50.0 µg/L in the perimeter off facility wells, ranging from non-detect to 30.0 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. These wells are located near and down gradient of the two off facility treatment plants: MHTS and Lincoln Avenue Water Company (LAWC) treatment system. Daily operation of the MHTS began in February 2011. Operation of the LAWC system began in July 2004.

It should be noted that during the fourth quarter MW-17 (Screen 1), MW-18 (Screen 1), MW-20 (Screen 1), and MW-21 (Screen 1) were dry and no samples were collected. These well screens were dry due to declining water levels associated with the drought in California.

PERCHLORATE ANALYTICAL RESULTS

- During the fourth quarter 2014 sampling event, concentrations of perchlorate in excess of the state MCL (6.0 µg/L) were reported in samples collected from wells MW-17 (Screens 3 [6.2 µg/L] and 4 [6.8 µg/L]), MW-18 (Screens 3 [17.0 µg/L] and 4 [15.0 µg/L]) and MW-25 (Screens 1 through 4 [9.5 µg/L, 14.0 µg/L, 10.0 µg/L and 9.1 µg/L, respectively]).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-18 (Screen 5 [0.7] µg/L), MW-19 (Screens 2 through 5 [5.5 µg/L, 3.3] µg/L, 3.1] µg/L, and 3.2] µg/L, respectively), MW-20 (Screen 2 [3.9] µg/L), MW-21 (Screens 2 through 5 [2.6] µg/L, 2.9] µg/L, 2.0] µg/L and 1.9] µg/L, respectively) and MW-26 (Screens 1 [2.2] µg/L] and 2 [2.9] µg/L]).
- Perchlorate concentrations increased from their respective last sampling event to the fourth quarter 2014 in MW-19 (Screen 5 [2.3] µg/L to 3.2] µg/L]), MW-20 (Screen 2 [2.3] µg/L to 3.9] µg/L]).

µg/L]), MW-21 (Screens 2 [2.3] µg/L to 2.6] µg/L) and 3 [1.8] µg/L to 2.9] µg/L) and MW-26 (Screen 1 [1.9] µg/L to 2.2] µg/L]).

- The perchlorate concentration decreased from its respective last sampling event to the fourth quarter 2014 in MW-17 (Screens 3 [6.6 µg/L to 6.2 µg/L], 4 [18.0 µg/L to 6.8 µg/L] and 5 [15.0 µg/L to non-detect]), MW-18 (Screens 3 [27.0 µg/L to 17.0 µg/L] and 4 [16.0 µg/L to 15.0 µg/L]), MW-19 (Screens 2 [5.7 µg/L to 5.5 µg/L], 3 [4.4 µg/L to 3.3] µg/L] and 4 [3.4] µg/L to 3.1] µg/L]), MW-21 (Screens 4 [2.7] µg/L to 2.0] µg/L] and 5 [2.2] µg/L to 1.9] µg/L]), MW-25 (Screens 1 through 4 [11.0 µg/L to 9.5 µg/L, 15.0 µg/L to 14.0 µg/L, 12.0 µg/L to 10.0 µg/L and 11.0 µg/L to 9.1 µg/L, respectively]) and MW-26 (Screen 2 [3.1] µg/L to 2.9] µg/L]).
- The perchlorate concentration of 6.8 µg/L in MW-17 (Screen 4) is the seventh detection above the state MCL (6.0 µg/L) since the first quarter 2013. From the third quarter 2002 to the first quarter 2013, the perchlorate concentrations in MW-17 (Screen 4) had been either non-detect or below the state MCL (6.0 µg/L) with only one detection that exceeded the state MCL (second quarter 2003 [6.5 µg/L]). MW-17 is located within the capture zone of the LAWC treatment system.
- During 2014, perchlorate concentrations in the off facility wells remained relatively consistent, ranging from non-detect to 36.0 µg/L. The detection of 15.0 µg/L in MW-17 (Screen 5) is the highest detection in this screen interval since a detection of 22.0 µg/L during the third quarter 2001. The detections of 11.0 µg/L and 12.0 µg/L (second and third quarters 2014, respectively) in MW-21 (Screen 1) are the second and third detections above the MCL in this screen interval since a detection of 7.3 µg/L during the fourth quarter 2004. This well is located cross-gradient to JPL and is representative of groundwater from the La-Cañada Flintridge area to the northwest of JPL.
- Concentrations of perchlorate were not detected in MW-17 (Screens 2 and 5), MW-18 (Screen 2), MW-19 (Screen 1), MW-20 (Screens 3, 4 and 5) and MW-25 (Screen 5) with a reporting limit of 4.0 µg/L.

VOC ANALYTICAL RESULTS

- During the fourth quarter 2014, carbon tetrachloride was detected above the state MCL (0.5 µg/L) in MW-18 (Screens 3 [5.0 µg/L] and 4 [1.5 µg/L]) and below the state MCL in MW-17 (Screen 4 [0.3] µg/L]). No other carbon tetrachloride detections occurred in the off facility wells during the fourth quarter 2014.
- Since the first quarter 2005, the carbon tetrachloride concentrations in MW-18 (Screen 3) have exceeded the state MCL (0.5 µg/L). Carbon tetrachloride detections in MW-18 (Screen 4) have exceeded the state MCL (0.5 µg/L) since the third quarter 1996 with one exception (non-detect [fourth quarter 2010]).
- In 2014, carbon tetrachloride was detected in MW-17 (Screens 3, 4 and 5) and MW-18 (Screens 3 and 4), however, only the detections in MW-17 (Screens 4 [first, second and third quarters: 0.8 µg/L, 0.8 µg/L and 0.9 µg/L, respectively] and 5 [second quarter: 1.0 µg/L]) and MW-18 (Screens 3 [all quarters: 5.2 µg/L, 7.2 µg/L, 9.6 µg/L and 5.0 µg/L, respectively] and 4 [all quarters: 1.8 µg/L, 1.4 µg/L, 5.0 µg/L and 1.5 µg/L, respectively]) were at or above the state MCL (0.5 µg/L).
- During the fourth quarter 2014, TCE was detected in MW-17 (Screens 3, 4 and 5), MW-18 (Screens 3 and 4), MW-19 (Screen 2), MW-20 (Screens 2 and 3), MW-21 (Screens 2 through 5), MW-25 (Screens 1 and 2) and MW-26 (Screens 1 and 2); however, no detections exceeded the state and federal MCL (5.0 µg/L).
- In 2014, TCE concentrations in MW-17 (Screens 2 through 5) remained relatively consistent, ranging from non-detect to 3.3 µg/L.

- TCE concentrations in MW-18 (Screens 3 and 4) remained relatively consistent during 2014, ranging from 0.3J µg/L to 2.3 µg/L.
- In 2014, TCE concentrations in MW-19 (Screen 2, 4 and 5) remained relatively consistent, ranging from non-detect to 0.8 µg/L.
- TCE concentrations in MW-20 (Screens 2 and 3) remained relatively consistent during 2014, ranging from 0.1J µg/L to 0.3J µg/L.
- TCE concentrations in MW-21 (Screens 1 through 5) remained relatively consistent during 2014, ranging from non-detect to 1.3 µg/L.
- In 2014, TCE concentrations in MW-25 (Screens 1 and 2) remained relatively consistent, ranging from 0.2J µg/L to 2.5 µg/L.
- In 2014, TCE concentrations in MW-26 (Screens 1 and 2) remained relatively consistent, ranging from 0.1J µg/L to 0.4J µg/L.
- During the fourth quarter 2014, PCE was detected in MW-17 (Screens 3 and 4), MW-18 (Screen 4), MW-19 (Screens 2 through 5), MW-20 (Screen 3), MW-21 (Screens 2 through 5), MW-25 (Screen 3) and MW-26 (Screens 1 and 2); however, no detections exceeded the state and federal MCL (5.0 µg/L).
- In 2014, PCE concentrations in MW-17 (Screens 3, 4 and 5) remained relatively consistent, ranging from non-detect to 0.6 µg/L.
- In 2014, PCE concentrations in MW-18 (Screens 3 and 4) remained relatively consistent, ranging from non-detect to 2.5 µg/L.
- PCE concentrations in MW-19 (Screens 2 through 5) during 2014 ranged from 0.4J µg/L to 1.3 µg/L.
- PCE concentrations in MW-20 (Screens 2 and 3) during 2014 ranged from non-detect to 0.3J µg/L.
- In 2014, PCE concentrations in MW-21 (Screens 1 through 5) ranged from 0.2J µg/L to 3.7 µg/L.
- In 2014, PCE concentrations in MW-25 (Screen 3) ranged from 0.3J µg/L to 0.9 µg/L.
- In 2014, PCE concentrations in MW-26 (Screens 1 and 2) ranged from 0.3J µg/L to 2.2 µg/L.

OTHER NOTABLE ANALYTICAL RESULTS

- During the fourth quarter 2014, Cr(VI)² was detected below the state MCL of 10.0 µg/L in MW-18 (Screens 3 [2.0J µg/L] and 4 [1.0J µg/L]), MW-21 (Screen 5 [1.0J µg/L]) and MW-25 (Screens 2 [2.0 µg/L], 3 [3.0 µg/L] and 4 [1.0J µg/L]).
- Detections of Cr(VI)² in the off facility wells were relatively consistent in 2014, ranging from non-detect to 3.0 µg/L and remained below the state MCL of 10.0 µg/L.
- During the fourth quarter 2014, total chromium was detected below the state MCL of 50.0 µg/L in MW-17 (Screens 3 [0.7J µg/L], 4 [0.6J µg/L] and 0.7J µg/L]), MW-19 (Screens 1 through 5 [1.0J µg/L, 2.0J µg/L, 2.5J µg/L, 1.3J µg/L and 0.8J µg/L, respectively]), MW-20 (Screens 2 [1.0J µg/L] and 5 [0.9J µg/L]), and MW-25 (Screens 1 through 4 [1.5J µg/L, 2.3J µg/L, 2.6J µg/L and 0.9J µg/L, respectively]).
- During the four quarters of 2014, total chromium remained relatively consistent and below the state MCL of 50.0 µg/L in the off facility wells, ranging from non-detect to 5.0 µg/L.

ALL WELL CATEGORIES (OTHER RESULTS)

- Comparing the third quarter 2014 to the fourth quarter 2014, groundwater elevations decreased by an average of approximately 4.50 ft.

- The uppermost sampling port (i.e. Screen 1) in multi-port monitoring wells MW-12, MW-14, MW-17, MW-18, MW-20, and MW-21 were dry and could not be sampled during the fourth quarter. This is the fourth consecutive quarter in 2014 in which MW-18 (Screen 1) was dry and the second quarter for MW-12 (Screen1), MW-20 (Screen 1), and MW-21 (Screen 1). This is the first quarter in 2014 in which MW-17 (Screen 1) was dry.
- Monitoring wells MW-7, MW-13, and MW-16 could not be purged with the dedicated submersible pumps due to the low water table. Therefore, grab samples were collected at each monitoring location with disposable bailers. This is the fourth consecutive quarter in 2014 in which grab samples were collected at MW-16 and the second quarter for MW-7 and MW-13.
- Groundwater elevations recorded in the JPL monitoring wells have been steadily declining since the first and second quarters of 2011. Current elevations are approaching or have exceeded historic lows last recorded in 1996 and 1997. Groundwater elevations will be closely monitored as California faces one of the most severe droughts on record.
- Groundwater level measurements collected during the fourth quarter 2014 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)
 - Attachment 8: Summary of Construction Details for All JPL Groundwater Monitoring Wells
-

FIGURES



Figure 1.

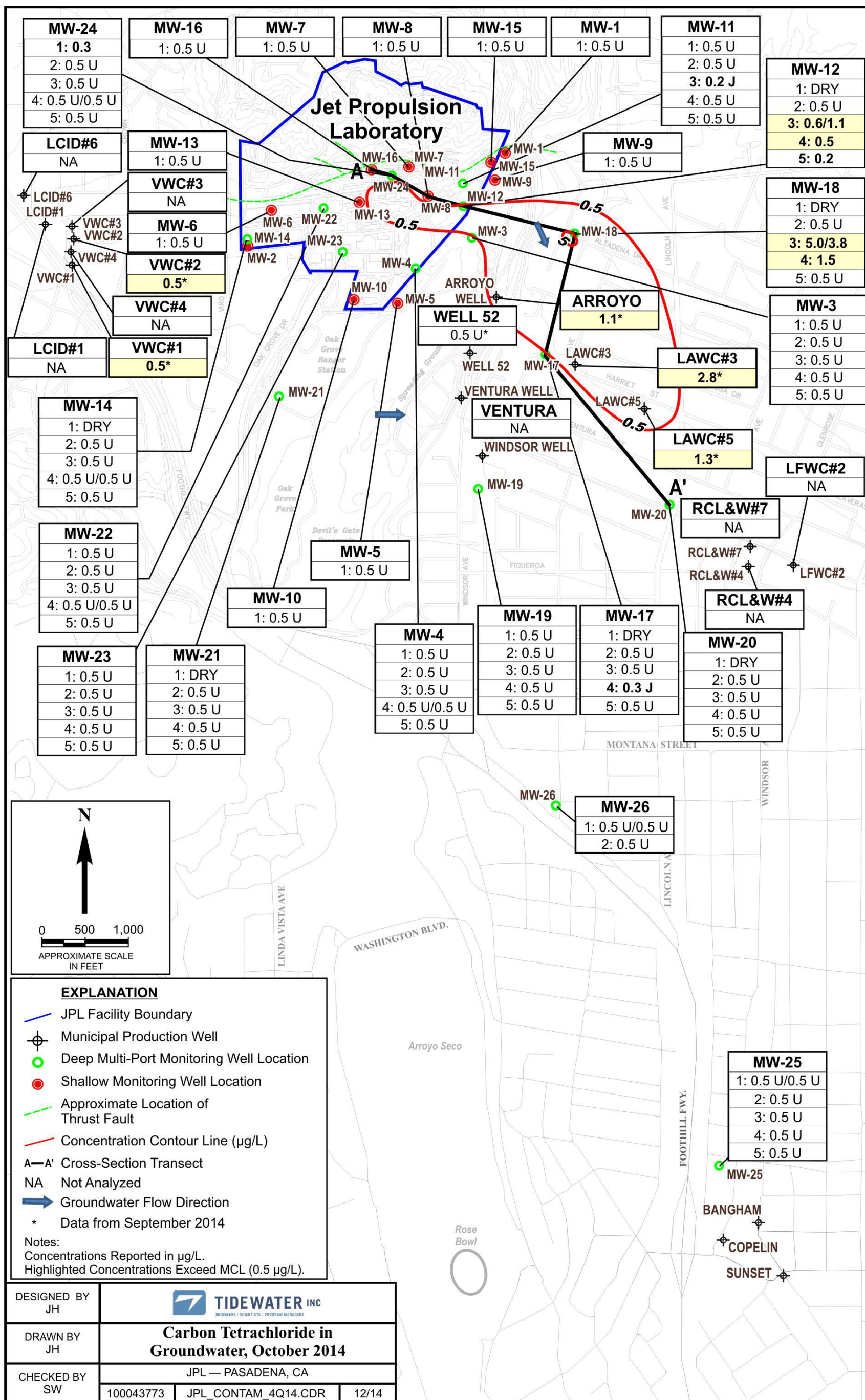


Figure 2.

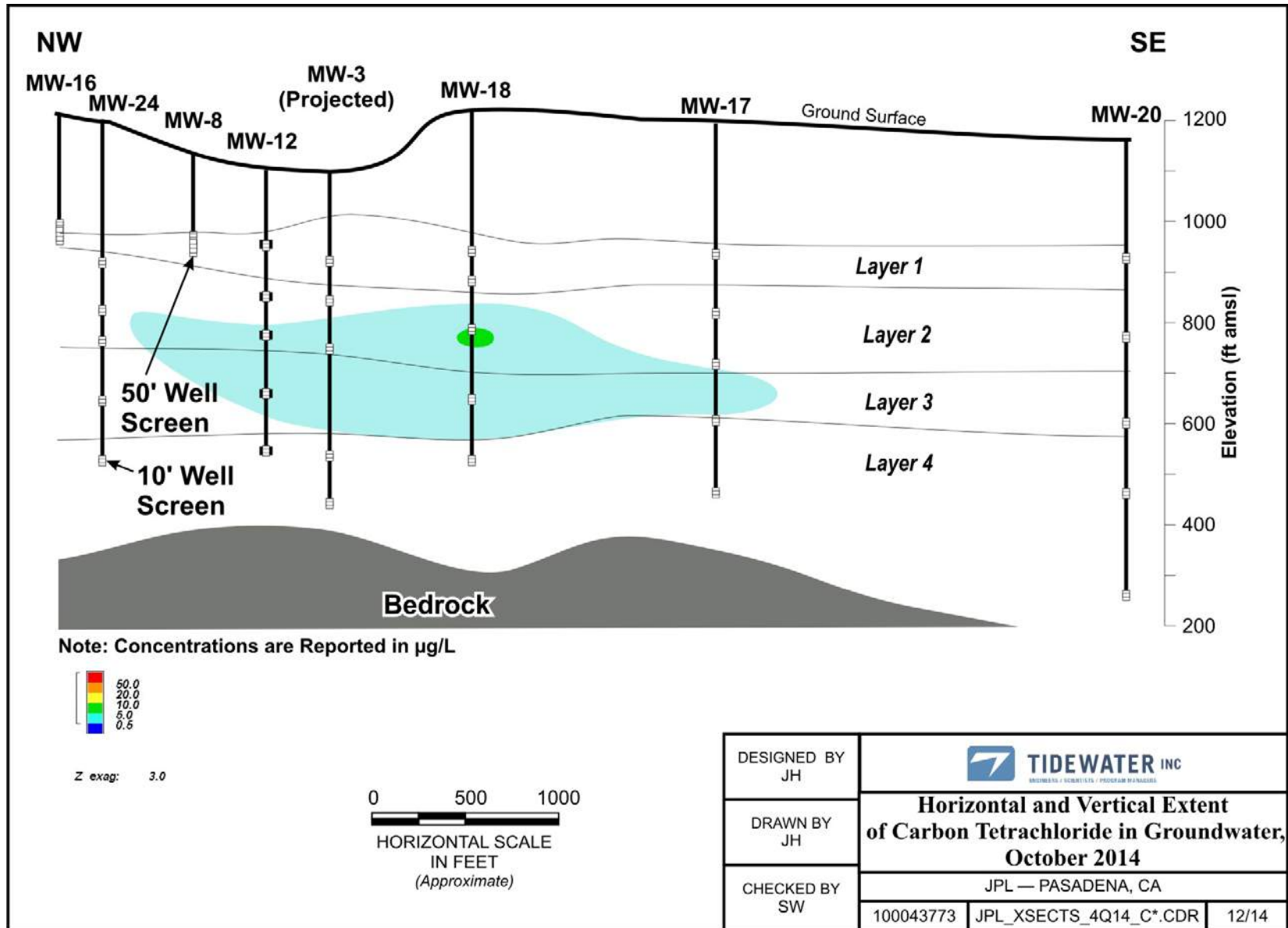


Figure 3.

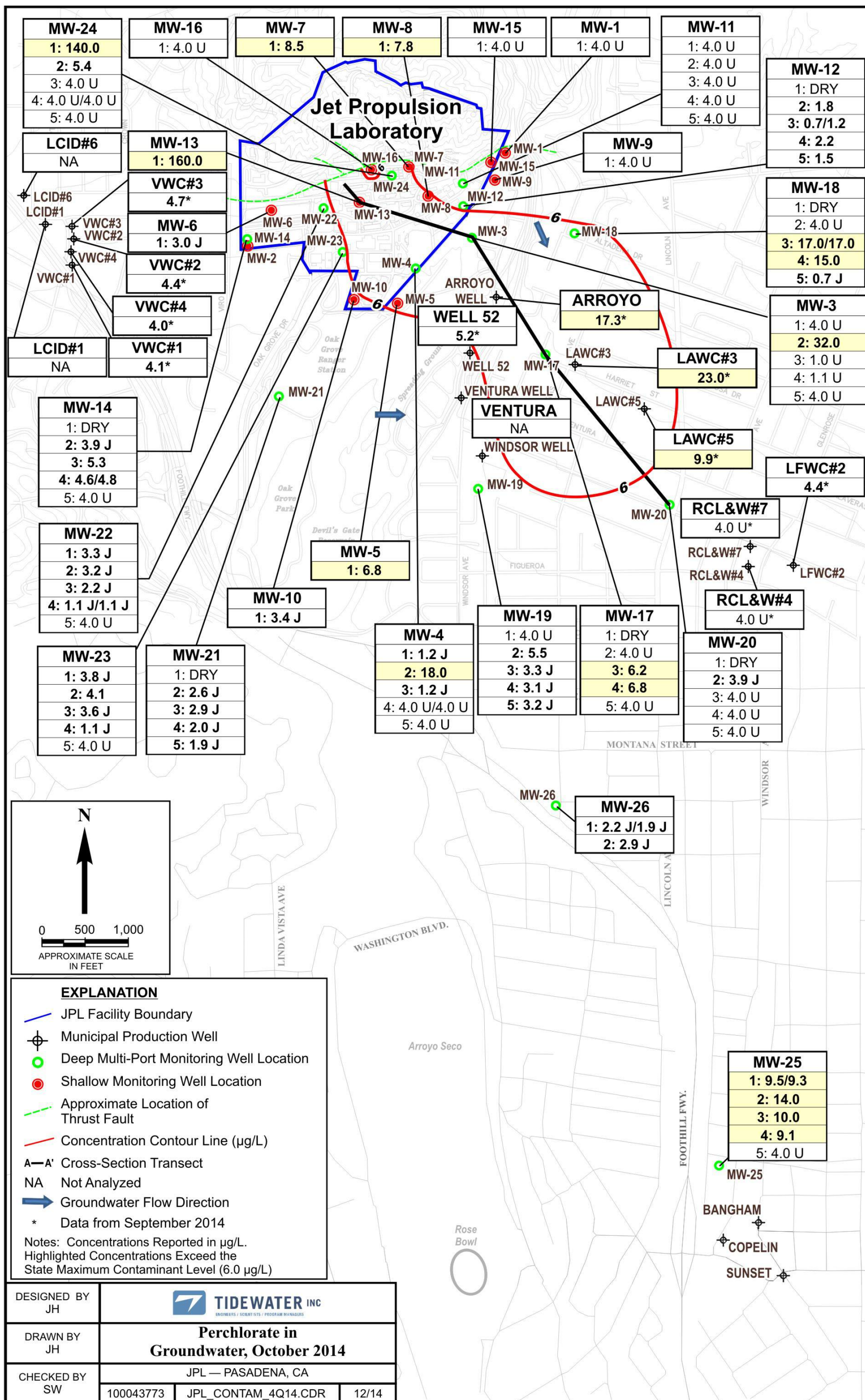


Figure 4.

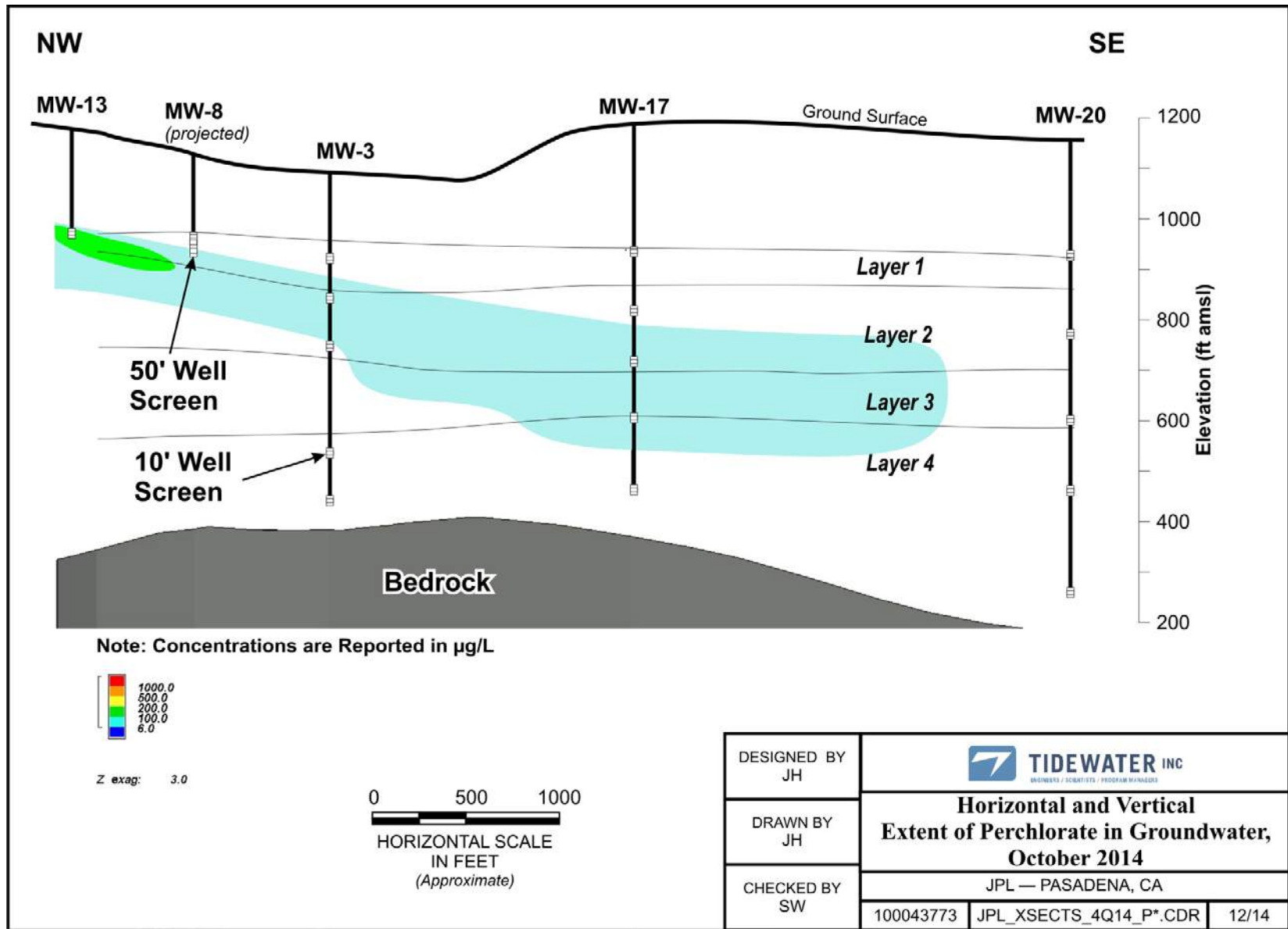


Figure 5.

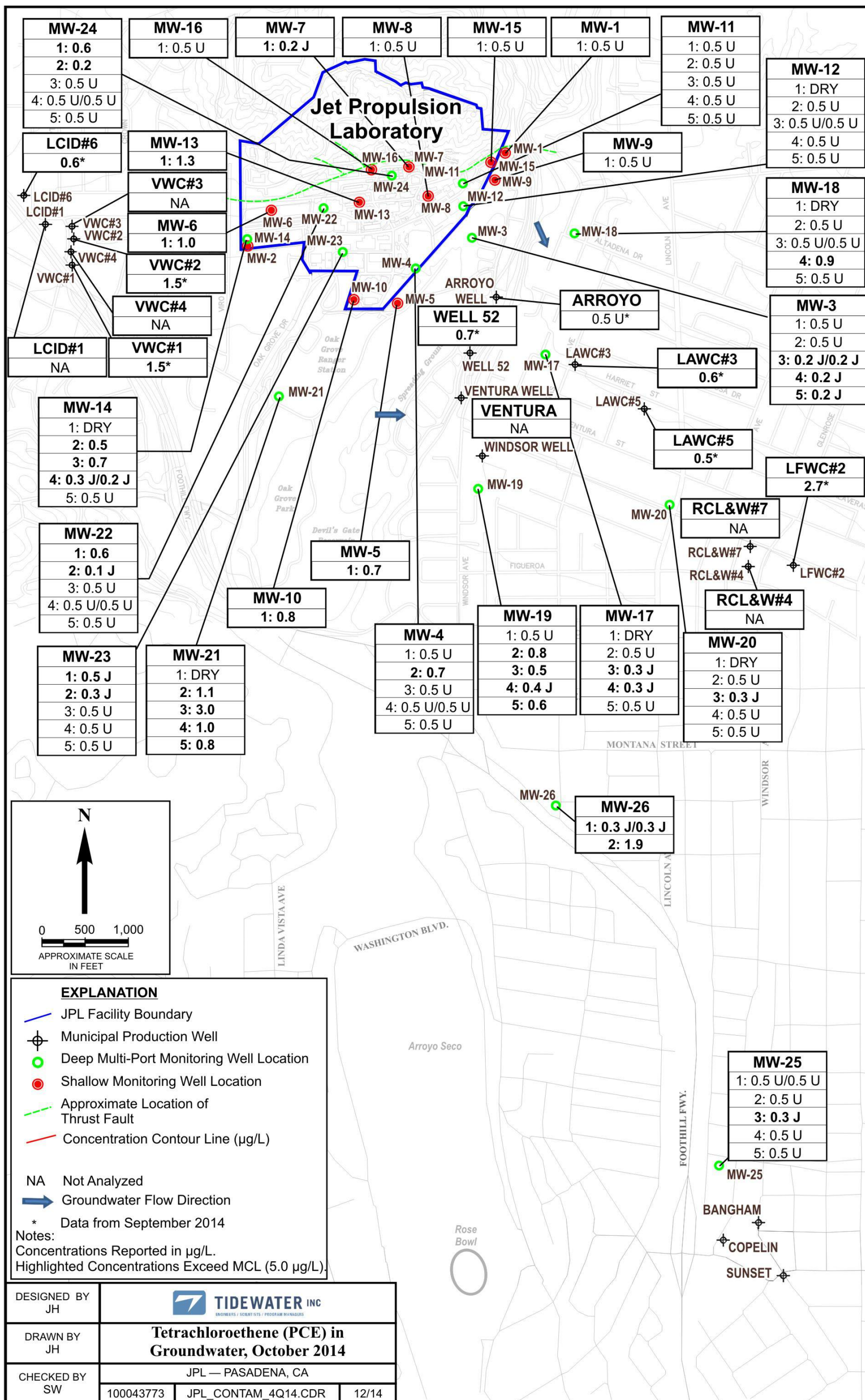


Figure 6.

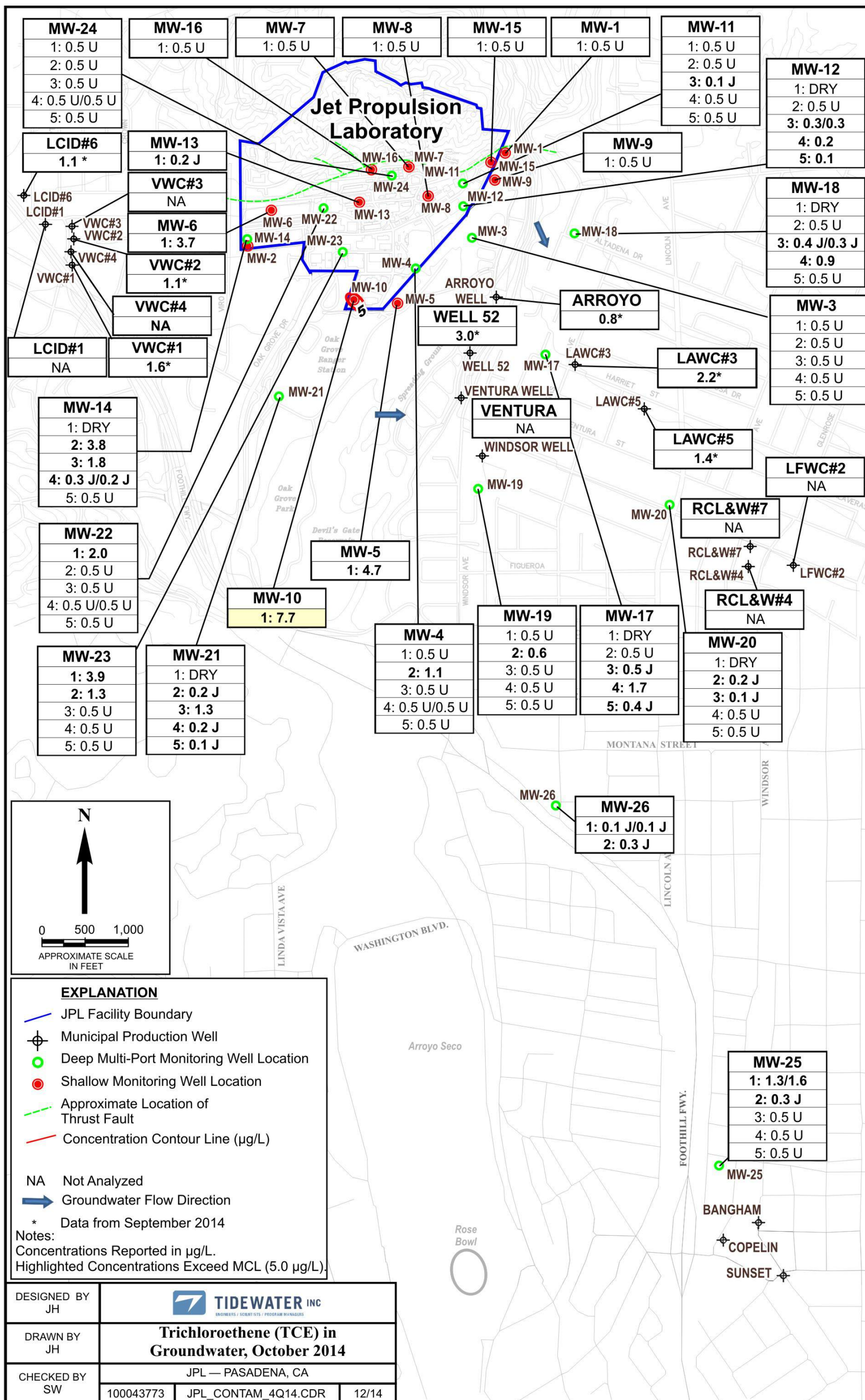


Figure 7.

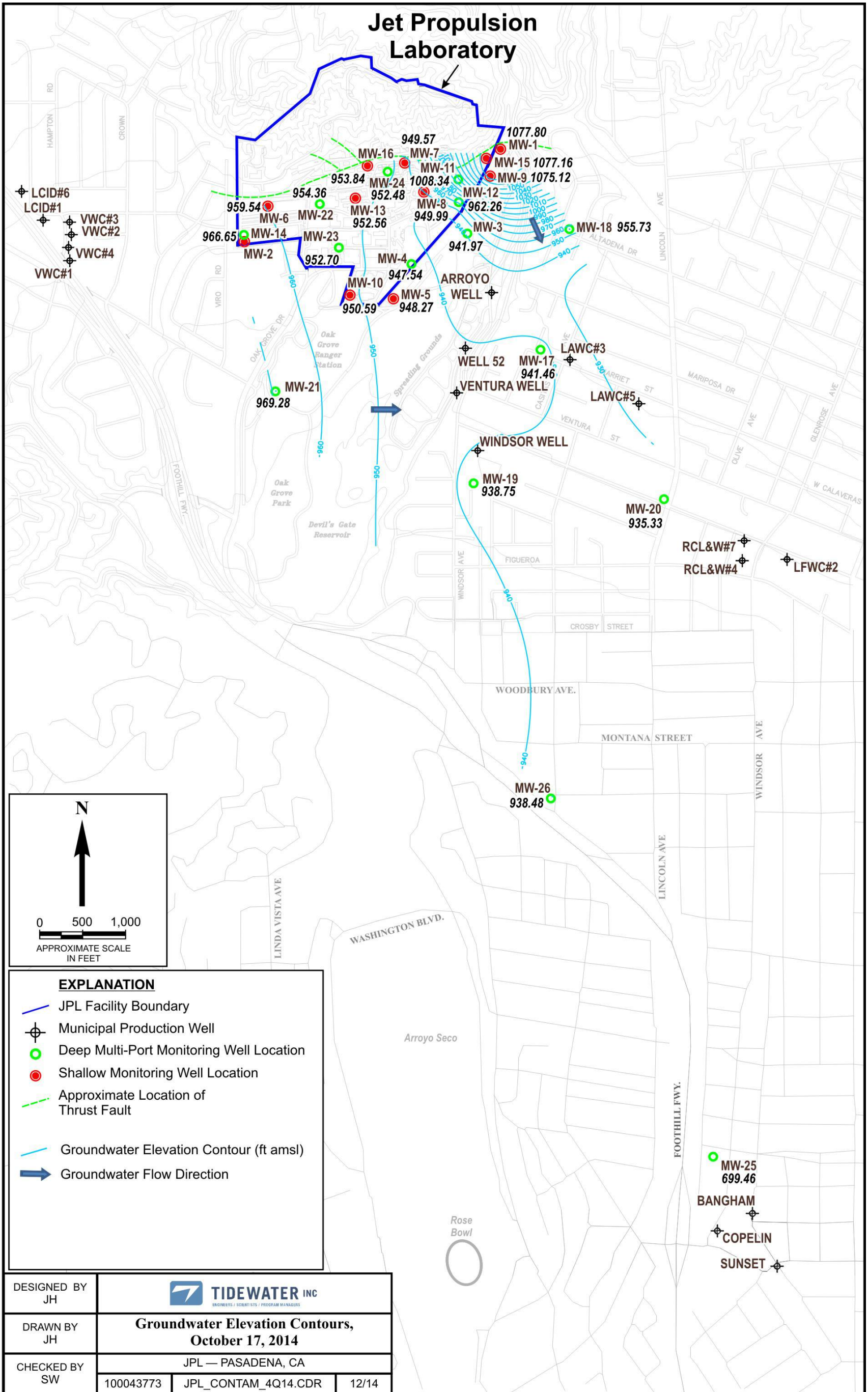


Figure 8.

TABLES

TABLE 1
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
DURING THE LAST FIVE 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	Oct/Nov 2013	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	4.0 U	
MW-1	Apr/May 2014	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	4.0 U	
MW-1	Apr/May 2014	DUP-6-2Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-1	Oct 2014	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	4.0 U	
MW-3 Screen 1	Oct/Nov 2013	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	4.0 U	
MW-3 Screen 1	Apr/May 2014	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	4.0 U	
MW-3 Screen 1	Oct 2014	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	4.0 U	
MW-3 Screen 2	Oct/Nov 2013	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 2	Jan/Feb 2014	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.9 J	
MW-3 Screen 2	Apr/May 2014	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	25.0	Bromodichloromethane 0.2 J
MW-3 Screen 2	Jul/Aug 2014	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	31.0	Bromodichloromethane 0.4 J
MW-3 Screen 2	Oct 2014	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	32.0	Bromodichloromethane 0.5
MW-3 Screen 3	Oct/Nov 2013	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	0.9 U	
MW-3 Screen 3	Jan/Feb 2014	MW-3-3	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 3	Jan/Feb 2014	DUPE-3-1Q14	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 3	Apr/May 2014	MW-3-3	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 3	Jul/Aug 2014	MW-3-3	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.3 J	
MW-3 Screen 3	Jul/Aug 2014	DUP-5-3Q14	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0 J	
MW-3 Screen 3	Oct 2014	MW-3-3	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	
MW-3 Screen 4	Oct/Nov 2013	MW-3-4	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0 J	
MW-3 Screen 4	Jan/Feb 2014	MW-3-4	0.5 U	0.5 U	0.1 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 4	Apr/May 2014	MW-3-4	0.5 U	0.5 U	0.2 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	1.3 J	
MW-3 Screen 4	Jul/Aug 2014	MW-3-4	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.1 J	
MW-3 Screen 4	Oct 2014	MW-3-4	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.1 U	
MW-3 Screen 5	Oct/Nov 2013	MW-3-5	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 5	Apr/May 2014	MW-3-5	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 5	Oct 2014	MW-3-5	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 1	Oct/Nov 2013	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	4.0 U	
MW-4 Screen 1	Jan/Feb 2014	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	4.0 U	
MW-4 Screen 1	Apr/May 2014	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	4.0 U	
MW-4 Screen 1	Jul/Aug 2014	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	4.0 U	
MW-4 Screen 1	Oct 2014	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	1.2 J	
MW-4 Screen 2	Oct/Nov 2013	MW-4-2	0.5 U	0.6	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	1.7	210.0	Bromodichloromethane 1.2 Dibromochloromethane 0.6

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 2	Jan/Feb 2014	MW-4-2	0.5 U	1.0	0.7	0.3 J	0.5 U	0.5 U	0.5 U	1.2	100.0	Bromodichloromethane	0.7
												Dibromochloromethane	0.4 J
MW-4 Screen 2	Apr/May 2014	MW-4-2	0.5 U	0.8	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.7	64.0	Bromodichloromethane	0.4 J
												Dibromochloromethane	0.2 J
MW-4 Screen 2	Jul/Aug 2014	MW-4-2	0.5 U	2.0	1.1	0.3 J	0.5 U	0.5 U	0.5 U	0.9	28.0	Bromodichloromethane	0.3 J
MW-4 Screen 2	Oct 2014	MW-4-2	0.5 U	1.1	0.7	0.2 J	0.5 U	0.5 U	0.5 U	0.9	18.0	Bromodichloromethane	0.5 J
MW-4 Screen 3	Oct/Nov 2013	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	2.2 J		
MW-4 Screen 3	Jan/Feb 2014	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	1.4 J		
MW-4 Screen 3	Jan/Feb 2014	DUP-1-1Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7 J		
MW-4 Screen 3	Apr/May 2014	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	2.6 J		
MW-4 Screen 3	Jul/Aug 2014	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	1.5 J		
MW-4 Screen 3	Jul/Aug 2014	DUP-7-3Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7 J		
MW-4 Screen 3	Oct 2014	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	1.2 J		
MW-4 Screen 4	Oct/Nov 2013	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	4.0 U		
MW-4 Screen 4	Apr/May 2014	MW-4-4	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J		
MW-4 Screen 4	Oct 2014	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	4.0 U	Styrene	0.1 J
MW-4 Screen 4	Oct 2014	DUP-3-4Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-4 Screen 5	Oct/Nov 2013	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	4.0 U	Styrene	0.1 J
MW-4 Screen 5	Apr/May 2014	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	2.0 J	Styrene	0.1 J
MW-4 Screen 5	Oct 2014	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	4.0 U	Styrene	0.1 J
MW-5	Oct/Nov 2013	MW-5	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	1.5 J		
MW-5	Jan/Feb 2014	MW-5	0.5 U	3.6	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0	10.0		
MW-5	Jan/Feb 2014	DUPE-6-1Q14	0.5 U	3.2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.8	9.7		
MW-5	Apr/May 2014	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	4.0 U		
MW-5	Jul/Aug 2014	MW-5	0.5 U	2.7	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.8	9.4		
MW-5	Oct 2014	MW-5	0.5 U	4.7	0.7	0.2 J	0.5 U	0.5 U	0.5 U	0.8	6.8		
MW-6	Oct/Nov 2013	MW-6	0.5 U	4.3	1.3	0.3 J	0.5 U	0.3 J	0.5 U	0.8	3.3 J	trans-1,2-Dichloroethene	0.3 J
MW-6	Jan/Feb 2014	MW-6	0.5 U	4.2	1.1	0.3 J	0.5 U	0.2 J	0.5 U	0.8	2.9 J	cis-1,2-Dichloroethene	0.1 J
MW-6	Apr/May 2014	MW-6	0.5 U	4.2	1.1	0.2 J	0.5 U	0.5 U	0.5 U	0.7	2.7 J	cis-1,2-Dichloroethene	0.1 J
MW-6	Jul/Aug 2014	MW-6	0.5 U	3.9	1.2	0.2 J	0.5 U	0.2 J	0.5 U	0.7	3.8 J	cis-1,2-Dichloroethene	0.1 J
												trans-1,2-Dichloroethene	0.2 J
MW-6	Oct 2014	MW-6	0.5 U	3.7	1.0	0.2 J	0.5 U	0.5 U	0.5 U	0.7	3.0 J	trans-1,2-Dichloroethene	0.2 J
MW-7	Oct/Nov 2013	MW-7	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	8.7	6.1	Bromodichloromethane	1.9
												Dibromochloromethane	0.7
MW-7	Jan/Feb 2014	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	2.4 J	Bromodichloromethane	0.4 J
MW-7	Jan/Feb 2014	DUPE-5-1Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	11.0	2.0 J	Bromodichloromethane	0.4 J
MW-7	Apr/May 2014	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	5.3	Bromodichloromethane	0.4 J
MW-7	Apr/May 2014	DUP-8-2Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.9	5.2	Bromodichloromethane	0.4 J
MW-7	Jul/Aug 2014	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7	4.0 U		
MW-7	Oct 2014	MW-7	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.4	8.5		

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-8	Oct/Nov 2013	MW-8	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1	71.0	Bromodichloromethane	0.9
												Dibromochloromethane	0.5
												Trichlorofluoromethane	0.3 J
MW-8	Oct/Nov 2013	DUPE-5-4Q13	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	71.0	Bromodichloromethane	0.9
												Dibromochloromethane	0.6
												Trichlorofluoromethane	0.3 J
MW-8	Jan/Feb 2014	MW-8	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.1	93.0	Bromodichloromethane	2.6
												Dibromochloromethane	0.6
												Trichlorofluoromethane	0.2 J
MW-8	Jan/Feb 2014	DUPE-7-1Q14	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.3	94.0	Bromodichloromethane	2.7
												Dibromochloromethane	0.6
												Trichlorofluoromethane	0.1 J
MW-8	Apr/May 2014	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	47.0	Trichlorofluoromethane	0.2 J
MW-8	Jul/Aug 2014	MW-8	0.2 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.1	180.0	Bromodichloromethane	0.7
MW-8	Oct 2014	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.8	7.8	Bromodichloromethane	0.3 J
MW-9	Apr/May 2014	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	4.0 U		
MW-9	Apr/May 2014	DUP-5-2Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-9	Oct 2014	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	4.0 U		
MW-10	Oct/Nov 2013	MW-10	0.5 U	8.0	0.9	0.2 J	0.5 U	0.5 U	0.5 U	0.9	6.4	cis-1,2-Dichloroethene	0.2 J
												trans-1,2-Dichloroethene	0.2 J
MW-10	Oct/Nov 2013	DUPE-8-4Q13	0.5 U	8.1	0.9	0.2 J	0.5 U	0.5 U	0.5 U	0.9	6.4	cis-1,2-Dichloroethene	0.2 J
												trans-1,2-Dichloroethene	0.3 J
MW-10	Jan/Feb 2014	MW-10	0.5 U	6.6	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.7	3.4 J	cis-1,2-Dichloroethene	0.2 J
MW-10	Apr/May 2014	MW-10	0.5 U	6.6	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.7	4.2	cis-1,2-Dichloroethene	0.2 J
												trans-1,2-Dichloroethene	0.2 J
MW-10	Jul/Aug 2014	MW-10	0.5 U	8.1	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.8	3.7 J	cis-1,2-Dichloroethene	0.3 J
												trans-1,2-Dichloroethene	0.5 J
MW-10	Oct 2014	MW-10	0.5 U	7.7	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.7	3.4 J	cis-1,2-Dichloroethene	0.3 J
												trans-1,2-Dichloroethene	0.4 J
MW-11 Screen 1	Oct/Nov 2013	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	4.0 U	Styrene	0.1 J
MW-11 Screen 1	Jan/Feb 2014	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	4.0 U	Styrene	0.1 J
MW-11 Screen 1	Apr/May 2014	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	4.0 U		
MW-11 Screen 1	Jul/Aug 2014	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	4.0 U		
MW-11 Screen 1	Oct 2014	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	4.0 U	Styrene	0.1 J
MW-11 Screen 2	Oct/Nov 2013	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	4.0 U		
MW-11 Screen 2	Jan/Feb 2014	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	4.0 U		
MW-11 Screen 2	Apr/May 2014	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	4.0 U		
MW-11 Screen 2	Jul/Aug 2014	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	4.0 U		
MW-11 Screen 2	Oct 2014	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	4.0 U		
MW-11 Screen 3	Oct/Nov 2013	MW-11-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.1 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-11 Screen 3	Jan/Feb 2014	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	4.0 U	Styrene	0.2 J
MW-11 Screen 3	Apr/May 2014	MW-11-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.1 J
MW-11 Screen 3	Jul/Aug 2014	MW-11-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Methyl-tert-butyl ether (MTBE) Styrene	0.3 J 0.3 J
MW-11 Screen 3	Oct 2014	MW-11-3	0.2 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U	Styrene	0.1 J
MW-11 Screen 4	Oct/Nov 2013	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	4.0 U	Styrene	0.2 J
MW-11 Screen 4	Jan/Feb 2014	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	4.0 U	Styrene	0.2 J
MW-11 Screen 4	Apr/May 2014	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	4.0 U	Carbon disulfide Styrene	0.4 J 0.2 J
MW-11 Screen 4	Jul/Aug 2014	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	4.0 U	Styrene	0.1 J
MW-11 Screen 4	Oct 2014	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	4.0 U	Carbon disulfide Styrene	0.5 J 0.1 J
MW-11 Screen 5	Oct/Nov 2013	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	4.0 U	Styrene	0.2 J
MW-11 Screen 5	Apr/May 2014	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	4.0 U	Styrene	0.1 J
MW-11 Screen 5	Oct 2014	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	4.0 U	Styrene	0.1 J
MW-12 Screen 1	Oct/Nov 2013	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	4.0 U	Trichlorofluoromethane	0.2 J
MW-12 Screen 1	Jan/Feb 2014	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	4.0 U	Trichlorofluoromethane	0.3 J
MW-12 Screen 1	Apr/May 2014	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	4.0 U	Trichlorofluoromethane	0.2 J
MW-12 Screen 1	Apr/May 2014	DUP-4-2Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Trichlorofluoromethane	0.2 J
MW-12 Screen 2	Oct/Nov 2013	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	5.6		
MW-12 Screen 2	Jan/Feb 2014	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	4.2		
MW-12 Screen 2	Apr/May 2014	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	3.9 J		
MW-12 Screen 2	Jul/Aug 2014	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	2.3 J		
MW-12 Screen 2	Oct 2014	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	1.8 J		
MW-12 Screen 3	Oct/Nov 2013	MW-12-3	0.4 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.5		
MW-12 Screen 3	Jan/Feb 2014	MW-12-3	0.5 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	1.8 J	Styrene	0.1 J
MW-12 Screen 3	Apr/May 2014	MW-12-3	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	3.0 J		
MW-12 Screen 3	Jul/Aug 2014	MW-12-3	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	3.3 J		
MW-12 Screen 3	Oct 2014	MW-12-3	0.6	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9	0.7 J		
MW-12 Screen 3	Oct 2014	DUP-7-4Q14	1.1	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.5	1.2 J		
MW-12 Screen 4	Oct/Nov 2013	MW-12-4	0.5	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.3 J		
MW-12 Screen 4	Jan/Feb 2014	MW-12-4	0.9	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	3.5 J	Styrene	0.1 J
MW-12 Screen 4	Apr/May 2014	MW-12-4	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.0 U		
MW-12 Screen 4	Jul/Aug 2014	MW-12-4	0.7	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	2.9 J		
MW-12 Screen 4	Oct 2014	MW-12-4	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	2.2 J		
MW-12 Screen 5	Oct/Nov 2013	MW-12-5	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.3 J		
MW-12 Screen 5	Jan/Feb 2014	MW-12-5	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.5 J	Styrene	0.1 J
MW-12 Screen 5	Apr/May 2014	MW-12-5	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U		
MW-12 Screen 5	Jul/Aug 2014	MW-12-5	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.0 J	Styrene	0.1 J
MW-12 Screen 5	Oct 2014	MW-12-5	0.2 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	1.5 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-13	Oct/Nov 2013	MW-13	0.5 U	0.2 J	1.6	0.4 J	0.5 U	0.2 J	0.5 U	2.5	520.0		
MW-13	Jan/Feb 2014	MW-13	0.5 U	0.3 J	2.3	0.6	0.5 U	0.5 U	0.5 U	0.7	33.0	Methyl-tert-butyl ether (MTBE)	0.1 J
MW-13	Jan/Feb 2014	DUPE-4-1Q14	0.5 U	0.3 J	2.3	0.5	0.5 U	0.5 U	0.5 U	0.7	36.0	Methyl-tert-butyl ether (MTBE)	0.1 J
MW-13	Apr/May 2014	MW-13	0.5 U	0.3 J	2.1	0.3 J	0.5 U	0.5 U	0.5 U	1.0	200.0		
MW-13	Jul/Aug 2014	MW-13	0.5 U	0.2 J	1.7	0.4 J	0.5 U	0.5 U	0.5 U	1.4	160.0	Methyl-tert-butyl ether (MTBE)	0.1 J
MW-13	Oct 2014	MW-13	0.5 U	0.2 J	1.3	0.3 J	0.5 U	0.5 U	0.5 U	1.1	160.0		
MW-14 Screen 1	Oct/Nov 2013	MW-14-1	0.5 U	1.6	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.0	cis-1,2-Dichloroethene Methyl-tert-butyl ether (MTBE)	0.1 J 0.4 J
MW-14 Screen 1	Oct/Nov 2013	DUPE-2-4Q13	0.5 U	1.3	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.7 J	Methyl-tert-butyl ether (MTBE)	0.4 J
MW-14 Screen 1	Jan/Feb 2014	MW-14-1	0.5 U	3.4	0.4 J	0.1 J	0.5 U	0.5 U	0.5 U	0.8	3.4 J	cis-1,2-Dichloroethene Methyl-tert-butyl ether (MTBE)	0.2 J 0.3 J
MW-14 Screen 1	Apr/May 2014	MW-14-1	0.5 U	2.2	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.8 J	Methyl-tert-butyl ether (MTBE)	0.2 J
MW-14 Screen 1	Jul/Aug 2014	MW-14-1	0.5 U	2.6	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5	2.9 J	cis-1,2-Dichloroethene	0.1 J
MW-14 Screen 2	Oct/Nov 2013	MW-14-2	0.5 U	4.0	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 J	4.0 U	cis-1,2-Dichloroethene trans-1,2-Dichloroethene	0.3 J 0.2 J
MW-14 Screen 2	Jan/Feb 2014	MW-14-2	0.5 U	3.7	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5	3.4 J	cis-1,2-Dichloroethene	0.3 J
MW-14 Screen 2	Apr/May 2014	MW-14-2	0.5 U	8.5	1.0	0.3 J	0.5 U	0.5 U	0.5 U	0.9	4.1	cis-1,2-Dichloroethene trans-1,2-Dichloroethene	0.4 J 0.3 J
MW-14 Screen 2	Apr/May 2014	DUP-1-2Q14	0.5 U	7.7	0.9	0.3 J	0.5 U	0.5 U	0.5 U	0.9	3.8 J	cis-1,2-Dichloroethene trans-1,2-Dichloroethene	0.3 J 0.2 J
MW-14 Screen 2	Jul/Aug 2014	MW-14-2	0.5 U	4.1	0.6	0.2 J	0.5 U	0.5 U	0.5 U	0.7	3.8 J	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 2	Oct 2014	MW-14-2	0.5 U	3.8	0.5	0.2 J	0.5 U	0.5 U	0.5 U	0.5	3.9 J	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 3	Oct/Nov 2013	MW-14-3	0.5 U	2.0	0.5 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5	5.7	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 3	Jan/Feb 2014	MW-14-3	0.5 U	2.0	0.5	0.3 J	0.5 U	0.5 U	0.5 U	0.6	4.7	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 3	Apr/May 2014	MW-14-3	0.5 U	1.6	0.5	0.3 J	0.5 U	0.5 U	0.5 U	0.5	5.9	cis-1,2-Dichloroethene	0.1 J
MW-14 Screen 3	Jul/Aug 2014	MW-14-3	0.5 U	2.7	0.9	0.5 J	0.5 U	0.5 U	0.5 U	0.8	4.9	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 3	Oct 2014	MW-14-3	0.5 U	1.8	0.7	0.3 J	0.5 U	0.5 U	0.5 U	0.6	5.3	cis-1,2-Dichloroethene	0.1 J
MW-14 Screen 4	Oct/Nov 2013	MW-14-4	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	5.3	cis-1,2-Dichloroethene	0.1 J
MW-14 Screen 4	Jan/Feb 2014	MW-14-4	0.5 U	0.4 J	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.3 J	4.0	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 4	Apr/May 2014	MW-14-4	0.5 U	0.4 J	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.3 J	4.1	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 4	Jul/Aug 2014	MW-14-4	0.5 U	0.4 J	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.3 J	4.5	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 4	Oct 2014	MW-14-4	0.5 U	0.3 J	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	0.3 J	4.6	cis-1,2-Dichloroethene	0.1 J
MW-14 Screen 4	Oct 2014	DUP-1-4Q14	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.8		
MW-14 Screen 5	Oct/Nov 2013	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	4.0 U		
MW-14 Screen 5	Jan/Feb 2014	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U		
MW-14 Screen 5	Apr/May 2014	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U		
MW-14 Screen 5	Jul/Aug 2014	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.0 U		
MW-14 Screen 5	Oct 2014	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U		
MW-15	Oct/Nov 2013	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	4.0 U		
MW-15	Oct/Nov 2013	DUPE-6-4Q13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 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-15	Apr/May 2014	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	4.0 U		
MW-15	Apr/May 2014	DUP-7-2Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-15	Oct 2014	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	4.0 U		
MW-16	Oct/Nov 2013	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.0	4.0 U	Bromodichloromethane	7.3
												Bromoform	2.2
												Dibromochloromethane	6.4
MW-16	Oct/Nov 2013	DUPE-7-4Q13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.6	4.0 U	Bromodichloromethane	8.1
												Bromoform	2.0
												Dibromochloromethane	6.7
MW-16	Jan/Feb 2014	MW-16	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.3	2.3 J	Bromodichloromethane	9.8
												Bromoform	6.8
												Dibromochloromethane	9.0
MW-16	Apr/May 2014	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0	4.0 U	Bromodichloromethane	6.7
												Bromoform	6.1
												Dibromochloromethane	8.4
MW-16	Jul/Aug 2014	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	4.0 U	Dibromochloromethane	0.2 J
MW-16	Oct 2014	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	Carbon disulfide	0.4 J
MW-17 Screen 1	Oct/Nov 2013	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	4.0 U		
MW-17 Screen 1	Apr/May 2014	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	4.0 U		
MW-17 Screen 2	Oct/Nov 2013	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-17 Screen 2	Jan/Feb 2014	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.1 J
MW-17 Screen 2	Apr/May 2014	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-17 Screen 2	Jul/Aug 2014	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-17 Screen 2	Oct 2014	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-17 Screen 3	Oct/Nov 2013	MW-17-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	7.1		
MW-17 Screen 3	Jan/Feb 2014	MW-17-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	7.4		
MW-17 Screen 3	Apr/May 2014	MW-17-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	7.6		
MW-17 Screen 3	Jul/Aug 2014	MW-17-3	0.2 J	0.6	0.5	0.2 J	0.5 U	0.5 U	0.5 U	0.4 J	6.4		
MW-17 Screen 3	Jul/Aug 2014	DUP-2-3Q14	0.2 J	0.6	0.5	0.2 J	0.5 U	0.5 U	0.5 U	0.4 J	6.6		
MW-17 Screen 3	Oct 2014	MW-17-3	0.5 U	0.5 J	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	0.3 J	6.2		
MW-17 Screen 4	Oct/Nov 2013	MW-17-4	0.6	2.0	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	15.0		
MW-17 Screen 4	Jan/Feb 2014	MW-17-4	0.8	3.1	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.8	18.0		
MW-17 Screen 4	Apr/May 2014	MW-17-4	0.8	2.4	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	17.0		
MW-17 Screen 4	Jul/Aug 2014	MW-17-4	0.9	3.1	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.8	18.0		
MW-17 Screen 4	Oct 2014	MW-17-4	0.3 J	1.7	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	6.8		
MW-17 Screen 5	Oct/Nov 2013	MW-17-5	0.4 J	2.0	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.7	9.9		
MW-17 Screen 5	Apr/May 2014	MW-17-5	1.0	3.3	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.9	15.0		
MW-17 Screen 5	Oct 2014	MW-17-5	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.1 J
MW-18 Screen 2	Oct/Nov 2013	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	4.0 U		
MW-18 Screen 2	Jan/Feb 2014	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	4.0 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 2	Apr/May 2014	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	4.0 U		
MW-18 Screen 2	Jul/Aug 2014	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	4.0 U		
MW-18 Screen 2	Oct 2014	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	4.0 U		
MW-18 Screen 3	Oct/Nov 2013	MW-18-3	16.0	1.6	0.3 J	0.5 U	0.5 U	0.5 U	0.3 J	2.2	44.0		
MW-18 Screen 3	Jan/Feb 2014	MW-18-3	5.2	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	35.0		
MW-18 Screen 3	Apr/May 2014	MW-18-3	6.4	0.5	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.3	32.0		
MW-18 Screen 3	Apr/May 2014	DUP-3-2Q14	7.2	0.6	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.3	36.0		
MW-18 Screen 3	Jul/Aug 2014	MW-18-3	9.6	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.7	27.0		
MW-18 Screen 3	Oct 2014	MW-18-3	5.0	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	17.0		
MW-18 Screen 3	Oct 2014	DUP-5-4Q14	3.8	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	17.0		
MW-18 Screen 4	Oct/Nov 2013	MW-18-4	1.9	0.9	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.7	15.0		
MW-18 Screen 4	Jan/Feb 2014	MW-18-4	1.8	1.0	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.7	15.0		
MW-18 Screen 4	Apr/May 2014	MW-18-4	1.4	0.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.6	16.0		
MW-18 Screen 4	Jul/Aug 2014	MW-18-4	4.2	2.2	2.2	0.5 U	0.5 U	0.5 U	0.5 U	1.2	16.0		
MW-18 Screen 4	Jul/Aug 2014	DUP-3-3Q14	5.0	2.3	2.5	0.5 U	0.5 U	0.5 U	0.5 U	1.2	16.0		
MW-18 Screen 4	Oct 2014	MW-18-4	1.5	0.9	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.6	15.0		
MW-18 Screen 5	Oct/Nov 2013	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	4.0 U	Styrene	0.1 J
MW-18 Screen 5	Jan/Feb 2014	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	4.0 U		
MW-18 Screen 5	Apr/May 2014	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	4.0 U		
MW-18 Screen 5	Jul/Aug 2014	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	4.0 U		
MW-18 Screen 5	Oct 2014	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	0.7 J	Styrene	0.1 J
MW-19 Screen 1	Oct/Nov 2013	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	4.0 U		
MW-19 Screen 1	Jan/Feb 2014	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	4.0 U		
MW-19 Screen 1	Apr/May 2014	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	4.0 U		
MW-19 Screen 1	Jul/Aug 2014	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	4.0 U		
MW-19 Screen 1	Oct 2014	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U		
MW-19 Screen 2	Oct/Nov 2013	MW-19-2	0.5 U	0.5 J	0.7	0.2 J	0.5 U	0.5 U	0.5 U	0.6	6.1	Bromodichloromethane cis-1,2-Dichloroethene	0.2 J 0.2 J
MW-19 Screen 2	Jan/Feb 2014	MW-19-2	0.5 U	0.8	1.3	0.3 J	0.5 U	0.5 U	0.5 U	0.9	5.9	Bromodichloromethane cis-1,2-Dichloroethene	0.4 J 0.3 J
MW-19 Screen 2	Apr/May 2014	MW-19-2	0.5 U	0.4 J	0.7	0.2 J	0.5 U	0.5 U	0.5 U	0.7	6.3	Bromodichloromethane cis-1,2-Dichloroethene Dibromochloromethane	0.3 J 0.2 J 0.2 J
MW-19 Screen 2	Jul/Aug 2014	MW-19-2	0.5 U	0.8	1.3	0.2 J	0.5 U	0.5 U	0.5 U	1.0	5.7	Bromodichloromethane cis-1,2-Dichloroethene Dibromochloromethane	0.4 J 0.3 J 0.2 J
MW-19 Screen 2	Oct 2014	MW-19-2	0.5 U	0.6	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.8	5.5	Bromodichloromethane cis-1,2-Dichloroethene	0.3 J 0.2 J
MW-19 Screen 3	Oct/Nov 2013	MW-19-3	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	3.4 J		
MW-19 Screen 3	Jan/Feb 2014	MW-19-3	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.4 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-19 Screen 3	Apr/May 2014	MW-19-3	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.9 J	
MW-19 Screen 3	Jul/Aug 2014	MW-19-3	0.5 U	0.1 J	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.4	
MW-19 Screen 3	Oct 2014	MW-19-3	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	3.3 J	
MW-19 Screen 4	Oct/Nov 2013	MW-19-4	0.5 U	0.1 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.9 J	
MW-19 Screen 4	Jan/Feb 2014	MW-19-4	0.5 U	0.1 J	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.4 J	
MW-19 Screen 4	Apr/May 2014	MW-19-4	0.5 U	0.1 J	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.3 J	
MW-19 Screen 4	Jul/Aug 2014	MW-19-4	0.5 U	0.1 J	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.4 J	
MW-19 Screen 4	Oct 2014	MW-19-4	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.1 J	
MW-19 Screen 5	Oct/Nov 2013	MW-19-5	0.5 U	0.1 J	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.8 J	
MW-19 Screen 5	Jan/Feb 2014	MW-19-5	0.5 U	0.1 J	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.8 J	
MW-19 Screen 5	Apr/May 2014	MW-19-5	0.5 U	0.1 J	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.1 J	
MW-19 Screen 5	Jul/Aug 2014	MW-19-5	0.5 U	0.1 J	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.3 J	
MW-19 Screen 5	Oct 2014	MW-19-5	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.2 J	
MW-20 Screen 1	Oct/Nov 2013	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U	Carbon disulfide 0.4 J
MW-20 Screen 1	Jan/Feb 2014	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U	
MW-20 Screen 1	Jan/Feb 2014	DUPE-2-1Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	4.0 U	
MW-20 Screen 1	Apr/May 2014	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	4.0 U	
MW-20 Screen 2	Oct/Nov 2013	MW-20-2	0.5 U	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.3 J	
MW-20 Screen 2	Jan/Feb 2014	MW-20-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1.6 J	Styrene 0.1 J
MW-20 Screen 2	Apr/May 2014	MW-20-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0	
MW-20 Screen 2	Jul/Aug 2014	MW-20-2	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.5 J	
MW-20 Screen 2	Jul/Aug 2014	DUP-1-3Q14	0.5 U	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	2.3 J	
MW-20 Screen 2	Oct 2014	MW-20-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.9 J	
MW-20 Screen 3	Oct/Nov 2013	MW-20-3	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Acrylonitrile 2.6 J Carbon disulfide 0.8 J Ethylbenzene 0.1 J Styrene 0.4 J Toluene 0.1 J
MW-20 Screen 3	Jan/Feb 2014	MW-20-3	0.5 U	0.1 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Acrylonitrile 2.6 J Ethylbenzene 0.2 J Styrene 0.4 J Toluene 0.1 J
MW-20 Screen 3	Apr/May 2014	MW-20-3	0.5 U	0.1 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide 0.6 J Ethylbenzene 0.1 J Styrene 0.3 J
MW-20 Screen 3	Jul/Aug 2014	MW-20-3	0.5 U	0.1 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Acrylonitrile 2.0 J Ethylbenzene 0.2 J Styrene 0.3 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-20 Screen 3	Oct 2014	MW-20-3	0.5 U	0.1 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Acrylonitrile	1.8 J
												Carbon disulfide	0.5 J
												Ethylbenzene	0.1 J
												Styrene	0.3 J
MW-20 Screen 4	Oct/Nov 2013	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	4.0 U	Carbon disulfide	0.5 J
MW-20 Screen 4	Oct/Nov 2013	DUPE-1-4Q13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.8 J
MW-20 Screen 4	Jan/Feb 2014	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	4.0 U	Styrene	0.1 J
MW-20 Screen 4	Apr/May 2014	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	4.0 U	Carbon disulfide	0.5 J
MW-20 Screen 4	Jul/Aug 2014	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	4.0 U	Acetone	5.5 J
MW-20 Screen 4	Oct 2014	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	4.0 U	Carbon disulfide	0.5 J
MW-20 Screen 5	Oct/Nov 2013	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	4.0 U	Carbon disulfide	0.8 J
												Styrene	0.3 J
MW-20 Screen 5	Jan/Feb 2014	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	4.0 U	Styrene	0.3 J
MW-20 Screen 5	Apr/May 2014	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	4.0 U	Styrene	0.2 J
MW-20 Screen 5	Jul/Aug 2014	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	4.0 U	Carbon disulfide	0.4 J
												Styrene	0.2 J
MW-20 Screen 5	Oct 2014	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	4.0 U	Carbon disulfide	0.5 J
												Styrene	0.2 J
MW-21 Screen 1	Oct/Nov 2013	MW-21-1	0.5 U	0.9	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.4	9.3		
MW-21 Screen 1	Jan/Feb 2014	MW-21-1	0.5 U	1.2	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.1	11.0		
MW-21 Screen 1	Apr/May 2014	MW-21-1	0.5 U	1.1	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0	12.0		
MW-21 Screen 2	Oct/Nov 2013	MW-21-2	0.5 U	0.3 J	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.5 J	cis-1,2-Dichloroethene	0.2 J
												Methyl-tert-butyl ether (MTBE)	0.2 J
MW-21 Screen 2	Jan/Feb 2014	MW-21-2	0.5 U	0.3 J	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.9 J	cis-1,2-Dichloroethene	0.2 J
												Methyl-tert-butyl ether (MTBE)	0.2 J
MW-21 Screen 2	Apr/May 2014	MW-21-2	0.5 U	0.3 J	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.8 J	Methyl-tert-butyl ether (MTBE)	0.2 J
MW-21 Screen 2	Jul/Aug 2014	MW-21-2	0.5 U	0.3 J	1.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	2.3 J	Methyl-tert-butyl ether (MTBE)	0.2 J
MW-21 Screen 2	Oct 2014	MW-21-2	0.5 U	0.2 J	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.6 J	Methyl-tert-butyl ether (MTBE)	0.1 J
MW-21 Screen 3	Oct/Nov 2013	MW-21-3	0.5 U	0.9	3.6	0.2 J	0.5 U	0.5 U	0.5 U	1.4	3.5 J	cis-1,2-Dichloroethene	0.7
												Methyl-tert-butyl ether (MTBE)	0.3 J
MW-21 Screen 3	Jan/Feb 2014	MW-21-3	0.5 U	0.9	3.7	0.2 J	0.5 U	0.5 U	0.5 U	1.3	2.7 J	cis-1,2-Dichloroethene	0.6
												Methyl-tert-butyl ether (MTBE)	0.3 J
MW-21 Screen 3	Apr/May 2014	MW-21-3	0.5 U	1.1	3.1	0.2 J	0.5 U	0.5 U	0.5 U	1.0	4.0	cis-1,2-Dichloroethene	0.4 J
												Methyl-tert-butyl ether (MTBE)	0.2 J
MW-21 Screen 3	Jul/Aug 2014	MW-21-3	0.5 U	1.1	2.7	0.2 J	0.5 U	0.5 U	0.5 U	0.9	1.8 J	cis-1,2-Dichloroethene	0.4 J
												Methyl-tert-butyl ether (MTBE)	0.2 J
MW-21 Screen 3	Oct 2014	MW-21-3	0.5 U	1.3	3.0	0.2 J	0.5 U	0.5 U	0.5 U	1.0	2.9 J	cis-1,2-Dichloroethene	0.4 J
												Methyl-tert-butyl ether (MTBE)	0.2 J
MW-21 Screen 4	Oct/Nov 2013	MW-21-4	0.5 U	0.1 J	0.8	0.5 U	0.5 U	0.5 U	0.5 U	8.8	2.1 J	cis-1,2-Dichloroethene	0.2 J
MW-21 Screen 4	Jan/Feb 2014	MW-21-4	0.5 U	0.1 J	0.6	0.5 U	0.5 U	0.5 U	0.5 U	5.3	2.1 J	cis-1,2-Dichloroethene	0.1 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-21 Screen 4	Apr/May 2014	MW-21-4	0.5 U	0.1 J	0.8	0.5 U	0.5 U	0.5 U	0.5 U	7.6	2.2 J	cis-1,2-Dichloroethene	0.1 J
MW-21 Screen 4	Jul/Aug 2014	MW-21-4	0.5 U	0.2 J	1.2	0.5 U	0.5 U	0.5 U	0.5 U	9.5	2.7 J	cis-1,2-Dichloroethene	0.1 J
MW-21 Screen 4	Jul/Aug 2014	DUP-6-3Q14	0.5 U	0.1 J	0.9	0.5 U	0.5 U	0.5 U	0.5 U	7.5	1.9 J	cis-1,2-Dichloroethene	0.1 J
MW-21 Screen 4	Oct 2014	MW-21-4	0.5 U	0.2 J	1.0	0.5 U	0.5 U	0.5 U	0.5 U	7.2	2.0 J	cis-1,2-Dichloroethene	0.1 J
MW-21 Screen 5	Oct/Nov 2013	MW-21-5	0.5 U	0.1 J	0.8	0.5 U	0.5 U	0.5 U	0.5 U	5.8	3.0 J		
MW-21 Screen 5	Jan/Feb 2014	MW-21-5	0.5 U	0.1 J	1.2	0.1 J	0.5 U	0.5 U	0.5 U	7.9	1.7 J	cis-1,2-Dichloroethene	0.2 J
MW-21 Screen 5	Apr/May 2014	MW-21-5	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	6.4	4.0 U		
MW-21 Screen 5	Jul/Aug 2014	MW-21-5	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	7.0	2.2 J		
MW-21 Screen 5	Oct 2014	MW-21-5	0.5 U	0.1 J	0.8	0.5 U	0.5 U	0.5 U	0.5 U	6.2	1.9 J	Acetone	12.0
MW-22 Screen 1	Oct/Nov 2013	MW-22-1	0.5 U	1.0	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.7 J		
MW-22 Screen 1	Jan/Feb 2014	MW-22-1	0.5 U	2.0	0.6	0.1 J	0.5 U	0.5 U	0.5 U	0.5	3.3 J		
MW-22 Screen 1	Apr/May 2014	MW-22-1	0.5 U	1.4	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.0 J		
MW-22 Screen 1	Jul/Aug 2014	MW-22-1	0.5 U	2.2	0.6	0.1 J	0.5 U	0.5 U	0.5 U	0.5	3.2 J		
MW-22 Screen 1	Oct 2014	MW-22-1	0.5 U	2.0	0.6	0.1 J	0.5 U	0.5 U	0.5 U	0.6	3.3 J		
MW-22 Screen 2	Oct/Nov 2013	MW-22-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.5 J		
MW-22 Screen 2	Jan/Feb 2014	MW-22-2	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.5 J		
MW-22 Screen 2	Apr/May 2014	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	2.9 J		
MW-22 Screen 2	Jul/Aug 2014	MW-22-2	0.5 U	0.1 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	4.0 U		
MW-22 Screen 2	Oct 2014	MW-22-2	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.2 J		
MW-22 Screen 3	Oct/Nov 2013	MW-22-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 J		
MW-22 Screen 3	Jan/Feb 2014	MW-22-3	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 J		
MW-22 Screen 3	Apr/May 2014	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	2.8 J		
MW-22 Screen 3	Jul/Aug 2014	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 J		
MW-22 Screen 3	Oct 2014	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	2.2 J		
MW-22 Screen 4	Oct/Nov 2013	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	4.0 U		
MW-22 Screen 4	Apr/May 2014	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	4.0 U		
MW-22 Screen 4	Oct 2014	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	1.1 J		
MW-22 Screen 4	Oct 2014	DUP-2-4Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1 J		
MW-22 Screen 5	Oct/Nov 2013	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	4.0 U	Carbon disulfide	0.7 J
MW-22 Screen 5	Apr/May 2014	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	4.0 U		
MW-22 Screen 5	Oct 2014	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	4.0 U		
MW-23 Screen 1	Oct/Nov 2013	MW-23-1	0.5 U	2.3	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.7		
MW-23 Screen 1	Jan/Feb 2014	MW-23-1	0.5 U	3.5	0.5 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5	3.7 J		
MW-23 Screen 1	Apr/May 2014	MW-23-1	0.5 U	2.1	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.6 J		
MW-23 Screen 1	Jul/Aug 2014	MW-23-1	0.5 U	3.8	0.5	0.1 J	0.5 U	0.5 U	0.5 U	0.6	3.8 J	cis-1,2-Dichloroethene trans-1,2-Dichloroethene	0.1 J 0.2 J
MW-23 Screen 1	Oct 2014	MW-23-1	0.5 U	3.9	0.5 J	0.1 J	0.5 U	0.5 U	0.5 U	0.6	3.8 J	cis-1,2-Dichloroethene Methyl-tert-butyl ether (MTBE) trans-1,2-Dichloroethene	0.1 J 0.1 J 0.2 J
MW-23 Screen 2	Oct/Nov 2013	MW-23-2	0.5 U	0.8	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 J	4.1		

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-23 Screen 2	Jan/Feb 2014	MW-23-2	0.5 U	1.1	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5	4.6		
MW-23 Screen 2	Apr/May 2014	MW-23-2	0.5 U	1.1	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5	4.7		
MW-23 Screen 2	Jul/Aug 2014	MW-23-2	0.5 U	1.4	0.5	0.2 J	0.5 U	0.5 U	0.5 U	0.6	4.4		
MW-23 Screen 2	Oct 2014	MW-23-2	0.5 U	1.3	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 J	4.1		
MW-23 Screen 3	Oct/Nov 2013	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	3.1 J		
MW-23 Screen 3	Jan/Feb 2014	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	2.8 J		
MW-23 Screen 3	Apr/May 2014	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	3.0 J		
MW-23 Screen 3	Jul/Aug 2014	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	3.9 J		
MW-23 Screen 3	Oct 2014	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	3.6 J		
MW-23 Screen 4	Oct/Nov 2013	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	4.0 U		
MW-23 Screen 4	Apr/May 2014	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	4.0 U		
MW-23 Screen 4	Oct 2014	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	1.1 J		
MW-23 Screen 5	Oct/Nov 2013	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	4.0 U	Carbon disulfide	0.5 J
												Ethylbenzene	0.1 J
												Styrene	0.4 J
MW-23 Screen 5	Apr/May 2014	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	4.0 U	Ethylbenzene	0.1 J
												Styrene	0.3 J
MW-23 Screen 5	Oct 2014	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	4.0 U	Ethylbenzene	0.1 J
												Styrene	0.3 J
MW-24 Screen 1	Oct/Nov 2013	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.0 J	2.3 J	Bromodichloromethane	0.2 J
MW-24 Screen 1	Jan/Feb 2014	MW-24-1	0.7	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.2 J	7.6	160.0	Bromodichloromethane	1.0
MW-24 Screen 1	Apr/May 2014	MW-24-1	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	5.9	45.0		
MW-24 Screen 1	Jul/Aug 2014	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0	4.0 U		
MW-24 Screen 1	Oct 2014	MW-24-1	0.3 J	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	1.8	140.0		
MW-24 Screen 2	Oct/Nov 2013	MW-24-2	0.4 J	0.2 J	0.3 J	0.3 J	0.5 U	0.5 U	0.5 U	1.1	9.7	Bromodichloromethane	0.8
MW-24 Screen 2	Jan/Feb 2014	MW-24-2	0.5 U	0.5 U	0.1 J	0.1 J	0.5 U	0.5 U	0.5 U	0.7	8.0	Bromodichloromethane	0.7
MW-24 Screen 2	Apr/May 2014	MW-24-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	8.5	Bromodichloromethane	0.9
MW-24 Screen 2	Apr/May 2014	DUP-2-2Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	8.1	Bromodichloromethane	0.8
												Chloromethane	0.5
MW-24 Screen 2	Jul/Aug 2014	MW-24-2	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	1.1	6.0	Bromodichloromethane	1.0
MW-24 Screen 2	Oct 2014	MW-24-2	0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.5 U	0.8	5.4	Bromodichloromethane	0.6
MW-24 Screen 3	Oct/Nov 2013	MW-24-3	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.4 J
MW-24 Screen 3	Jan/Feb 2014	MW-24-3	0.5 U	0.5 U	0.1 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-24 Screen 3	Apr/May 2014	MW-24-3	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-24 Screen 3	Jul/Aug 2014	MW-24-3	0.5 U	0.5 U	0.1 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-24 Screen 3	Oct 2014	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	4.0 U	Styrene	0.1 J
MW-24 Screen 4	Oct/Nov 2013	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	4.0 U	Ethylbenzene	0.2 J
												Styrene	0.2 J
MW-24 Screen 4	Apr/May 2014	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	4.0 U	Styrene	0.1 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-24 Screen 4	Oct 2014	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	4.0 U	Ethylbenzene Styrene	0.1 J 0.2 J
MW-24 Screen 4	Oct 2014	DUP-8-4Q14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene Styrene	0.2 J 0.2 J
MW-24 Screen 5	Oct/Nov 2013	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	4.0 U		
MW-24 Screen 5	Apr/May 2014	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	4.0 U		
MW-24 Screen 5	Oct 2014	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	4.0 U		
MW-25 Screen 1	Oct/Nov 2013	MW-25-1	0.5 U	2.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	11.0	Methyl-tert-butyl ether (MTBE)	0.3 J
MW-25 Screen 1	Jan/Feb 2014	MW-25-1	0.5 U	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	11.0	Methyl-tert-butyl ether (MTBE)	0.3 J
MW-25 Screen 1	Apr/May 2014	MW-25-1	0.5 U	2.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	11.0	Methyl-tert-butyl ether (MTBE)	0.2 J
MW-25 Screen 1	Jul/Aug 2014	MW-25-1	0.5 U	2.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	11.0	Methyl-tert-butyl ether (MTBE)	0.3 J
MW-25 Screen 1	Oct 2014	MW-25-1	0.5 U	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	9.5	Methyl-tert-butyl ether (MTBE)	0.4 J
MW-25 Screen 1	Oct 2014	DUP-4-4Q14	0.5 U	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	9.3	Methyl-tert-butyl ether (MTBE)	0.4 J
MW-25 Screen 2	Oct/Nov 2013	MW-25-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	15.0		
MW-25 Screen 2	Oct/Nov 2013	DUPE-4-4Q13	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	16.0		
MW-25 Screen 2	Jan/Feb 2014	MW-25-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	15.0		
MW-25 Screen 2	Apr/May 2014	MW-25-2	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	14.0		
MW-25 Screen 2	Jul/Aug 2014	MW-25-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	15.0		
MW-25 Screen 2	Jul/Aug 2014	DUP-4-3Q14	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	15.0		
MW-25 Screen 2	Oct 2014	MW-25-2	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	14.0		
MW-25 Screen 3	Oct/Nov 2013	MW-25-3	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.9	13.0		
MW-25 Screen 3	Jan/Feb 2014	MW-25-3	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.9	12.0		
MW-25 Screen 3	Apr/May 2014	MW-25-3	0.5 U	0.1 J	0.9	0.5 U	0.5 U	0.5 U	0.5 U	1.2	11.0		
MW-25 Screen 3	Jul/Aug 2014	MW-25-3	0.5 U	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5	12.0		
MW-25 Screen 3	Oct 2014	MW-25-3	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	10.0		
MW-25 Screen 4	Oct/Nov 2013	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	10.0	Carbon disulfide	0.5 J
MW-25 Screen 4	Jan/Feb 2014	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	10.0		
MW-25 Screen 4	Apr/May 2014	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	8.5		
MW-25 Screen 4	Jul/Aug 2014	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	11.0		
MW-25 Screen 4	Oct 2014	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	9.1		
MW-25 Screen 5	Oct/Nov 2013	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	4.0 U	Carbon disulfide	0.7 J
MW-25 Screen 5	Jan/Feb 2014	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	4.0 U	Carbon disulfide	0.5 J
MW-25 Screen 5	Apr/May 2014	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	4.0 U	Carbon disulfide	0.5 J
MW-25 Screen 5	Jul/Aug 2014	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	4.0 U		
MW-25 Screen 5	Oct 2014	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	4.0 U		
MW-26 Screen 1	Oct/Nov 2013	MW-26-1	0.5 U	0.4 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.5		
MW-26 Screen 1	Oct/Nov 2013	DUPE-3-4Q13	0.5 U	0.4 J	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.2		
MW-26 Screen 1	Jan/Feb 2014	MW-26-1	0.5 U	0.4 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.5 J		
MW-26 Screen 1	Apr/May 2014	MW-26-1	0.5 U	0.4 J	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.5 J		
MW-26 Screen 1	Jul/Aug 2014	MW-26-1	0.5 U	0.4 J	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	1.9 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-26 Screen 1	Oct 2014	MW-26-1	0.5 U	0.1 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.2 J		
MW-26 Screen 1	Oct 2014	DUP-6-4Q14	0.5 U	0.1 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1.9 J		
MW-26 Screen 2	Oct/Nov 2013	MW-26-2	0.5 U	0.3 J	2.0	0.5 U	0.5 U	0.5 U	0.5 U	1.1	3.3 J	Bromodichloromethane	0.2 J
												cis-1,2-Dichloroethene	0.3 J
MW-26 Screen 2	Jan/Feb 2014	MW-26-2	0.5 U	0.3 J	2.0	0.5 U	0.5 U	0.5 U	0.5 U	1.2	2.6 J	Bromodichloromethane	0.2 J
												cis-1,2-Dichloroethene	0.3 J
MW-26 Screen 2	Apr/May 2014	MW-26-2	0.5 U	0.3 J	2.2	0.5 U	0.5 U	0.5 U	0.5 U	1.3	2.3 J	Bromodichloromethane	0.2 J
												cis-1,2-Dichloroethene	0.1 J
MW-26 Screen 2	Jul/Aug 2014	MW-26-2	0.5 U	0.3 J	2.0	0.5 U	0.5 U	0.5 U	0.5 U	1.3	3.1 J	Bromodichloromethane	0.2 J
												cis-1,2-Dichloroethene	0.2 J
MW-26 Screen 2	Oct 2014	MW-26-2	0.5 U	0.3 J	1.9	0.5 U	0.5 U	0.5 U	0.5 U	1.2	2.9 J	cis-1,2-Dichloroethene	0.2 J
California Maximum Contaminant Level (MCL)			0.5	5	5	5	0.5	6	1200	TTHM	6.0		
EPA Region IX Maximum Contaminant Level			5	5	5	NE	5	7	NE	TTHM	NE		
<p>Notes</p> <p>DUPE Field Duplicate</p> <p>NA Not analyzed</p> <p>NE Not established</p> <p>TTHM Chloroform is regulated under the state and federal MCL of 80 µg/L for Total Trihalomethanes (TTHMs); the MCL applies to the sum of all four trihalomethanes (Bromodichloromethane, Bromoform, Dibromochloromethane, and Chloroform) as an annual average</p> <p>J Analyte concentration is an estimated value</p> <p>U Analyte was analyzed for but not detected at or above the stated limit</p>													

TABLE 2
SUMMARY OF METALS DETECTED
DURING THE LAST FIVE 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	Oct/Nov 2013	MW-1	NA	NA	3.0 U	0.002 U
MW-1	Apr/May 2014	MW-1	2.0 U	1.000 U	0.5 J	0.002 U
MW-1	Apr/May 2014	DUP-6-2Q14	0.8 J	1.000 U	1.1 J	0.002 U
MW-1	Oct 2014	MW-1	NA	NA	0.6 J	0.002 U
MW-3 Screen 1	Oct/Nov 2013	MW-3-1	NA	NA	3.0 U	0.002 U
MW-3 Screen 1	Apr/May 2014	MW-3-1	2.0 U	1.000 U	3.0 U	0.002 U
MW-3 Screen 1	Oct 2014	MW-3-1	NA	NA	3.0 U	0.002 U
MW-3 Screen 2	Oct/Nov 2013	MW-3-2	NA	NA	0.7 J	0.002 U
MW-3 Screen 2	Jan/Feb 2014	MW-3-2	NA	NA	3.0 U	0.002 U
MW-3 Screen 2	Apr/May 2014	MW-3-2	2.0 U	1.000 U	3.0 U	0.001 J
MW-3 Screen 2	Jul/Aug 2014	MW-3-2	NA	NA	0.8 U	0.001 U
MW-3 Screen 2	Oct 2014	MW-3-2	NA	NA	0.7 U	0.002 U
MW-3 Screen 3	Oct/Nov 2013	MW-3-3	NA	NA	1.8 J	0.002 J
MW-3 Screen 3	Jan/Feb 2014	MW-3-3	NA	NA	1.4 J	0.002 U
MW-3 Screen 3	Jan/Feb 2014	DUPE-3-1Q14	NA	NA	6.3	0.002 U
MW-3 Screen 3	Apr/May 2014	MW-3-3	3.2	1.000 U	3.4 U	0.001 J
MW-3 Screen 3	Jul/Aug 2014	MW-3-3	NA	NA	3.0 U	0.001 U
MW-3 Screen 3	Jul/Aug 2014	DUP-5-3Q14	NA	NA	4.5	0.001 U
MW-3 Screen 3	Oct 2014	MW-3-3	NA	NA	4.4 U	0.002 U
MW-3 Screen 4	Oct/Nov 2013	MW-3-4	NA	NA	3.1	0.002 U
MW-3 Screen 4	Jan/Feb 2014	MW-3-4	NA	NA	6.2	0.001 J
MW-3 Screen 4	Apr/May 2014	MW-3-4	14.0	1.000 U	15.0	0.001 J
MW-3 Screen 4	Jul/Aug 2014	MW-3-4	NA	NA	6.9	0.001 U
MW-3 Screen 4	Oct 2014	MW-3-4	NA	NA	13.0	0.002 U
MW-3 Screen 5	Oct/Nov 2013	MW-3-5	NA	NA	7.3	0.001 J
MW-3 Screen 5	Apr/May 2014	MW-3-5	7.7	1.000 U	11.0	0.001 J
MW-3 Screen 5	Oct 2014	MW-3-5	NA	NA	30.0	0.002 U
MW-4 Screen 1	Oct/Nov 2013	MW-4-1	NA	NA	3.0 U	0.002 U
MW-4 Screen 1	Jan/Feb 2014	MW-4-1	NA	NA	3.0 U	0.002 U
MW-4 Screen 1	Apr/May 2014	MW-4-1	2.0 U	1.000 U	3.0 U	0.002 U
MW-4 Screen 1	Jul/Aug 2014	MW-4-1	NA	NA	3.0 UJ	0.002 U
MW-4 Screen 1	Oct 2014	MW-4-1	NA	NA	3.0 U	0.002 U
MW-4 Screen 2	Oct/Nov 2013	MW-4-2	NA	NA	12.0	0.002 U
MW-4 Screen 2	Jan/Feb 2014	MW-4-2	NA	NA	2.4 J	0.001 J

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-4 Screen 2	Apr/May 2014	MW-4-2	1.2 J	1.000 U	16.0	0.001 J
MW-4 Screen 2	Jul/Aug 2014	MW-4-2	NA	NA	2.8 U	0.002 U
MW-4 Screen 2	Oct 2014	MW-4-2	NA	NA	3.9	0.002 U
MW-4 Screen 3	Oct/Nov 2013	MW-4-3	NA	NA	1.9 J	0.002 U
MW-4 Screen 3	Jan/Feb 2014	MW-4-3	NA	NA	1.0 J	0.001 J
MW-4 Screen 3	Jan/Feb 2014	DUP-1-1Q14	NA	NA	1.1 J	0.001 J
MW-4 Screen 3	Apr/May 2014	MW-4-3	1.4 J	1.000 U	2.3 U	0.002 U
MW-4 Screen 3	Jul/Aug 2014	MW-4-3	NA	NA	2.5 U	0.002 U
MW-4 Screen 3	Jul/Aug 2014	DUP-7-3Q14	NA	NA	3.1 U	0.002 U
MW-4 Screen 3	Oct 2014	MW-4-3	NA	NA	1.0 J	0.004 U
MW-4 Screen 4	Oct/Nov 2013	MW-4-4	NA	NA	1.1 J	0.002 U
MW-4 Screen 4	Apr/May 2014	MW-4-4	2.0 U	1.000 U	2.0 U	0.001 U
MW-4 Screen 4	Oct 2014	MW-4-4	NA	NA	0.9 J	0.002 U
MW-4 Screen 4	Oct 2014	DUP-3-4Q14	NA	NA	0.8 J	0.002 U
MW-4 Screen 5	Oct/Nov 2013	MW-4-5	NA	NA	3.0 U	0.002 U
MW-4 Screen 5	Apr/May 2014	MW-4-5	2.0 U	1.000 U	3.0 U	0.001 U
MW-4 Screen 5	Oct 2014	MW-4-5	NA	NA	3.0 U	0.001 J
MW-5	Oct/Nov 2013	MW-5	NA	NA	3.0 U	0.002 U
MW-5	Jan/Feb 2014	MW-5	NA	NA	0.7 J	0.002 U
MW-5	Jan/Feb 2014	DUPE-6-1Q14	NA	NA	0.7 J	0.002 U
MW-5	Apr/May 2014	MW-5	2.0 U	1.000 U	0.8 J	0.002 U
MW-5	Jul/Aug 2014	MW-5	NA	NA	7.8	0.002 U
MW-5	Oct 2014	MW-5	NA	NA	2.7 J	0.001 J
MW-6	Oct/Nov 2013	MW-6	NA	NA	39.0	0.001 U
MW-6	Jan/Feb 2014	MW-6	NA	NA	8.1	0.002 U
MW-6	Apr/May 2014	MW-6	2.0 U	1.000 U	190.0	0.002 J
MW-6	Jul/Aug 2014	MW-6	NA	NA	26.0	0.002 U
MW-6	Oct 2014	MW-6	NA	NA	270.0	0.001 J
MW-7	Oct/Nov 2013	MW-7	NA	NA	16.0	0.004
MW-7	Jan/Feb 2014	MW-7	NA	NA	49.0	0.002
MW-7	Jan/Feb 2014	DUPE-5-1Q14	NA	NA	42.0	0.001 J
MW-7	Apr/May 2014	MW-7	2.0 U	0.100 J	15.0	0.007
MW-7	Apr/May 2014	DUP-8-2Q14	2.0 U	1.000 U	16.0	0.007
MW-7	Jul/Aug 2014	MW-7	NA	NA	9100.0	0.002 U
MW-8	Oct/Nov 2013	MW-8	NA	NA	2.4 J	0.001 J
MW-8	Oct/Nov 2013	DUPE-5-4Q13	NA	NA	2.1 J	0.001 J
MW-8	Jan/Feb 2014	MW-8	NA	NA	3.0	0.001 J
MW-8	Jan/Feb 2014	DUPE-7-1Q14	NA	NA	3.4	0.001 J
MW-8	Apr/May 2014	MW-8	2.0 U	1.000 U	1.7 J	0.001 J
MW-8	Jul/Aug 2014	MW-8	NA	NA	18.0	0.003
MW-8	Oct 2014	MW-8	NA	NA	20.0	0.008

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-9	Apr/May 2014	MW-9	2.0 U	1.000 U	3.0 U	0.002 U
MW-9	Apr/May 2014	DUP-5-2Q14	2.0 U	1.000 U	0.6 J	0.002 U
MW-9	Oct 2014	MW-9	NA	NA	3.0	0.002 U
MW-10	Oct/Nov 2013	MW-10	NA	NA	2.9 J	0.001 U
MW-10	Oct/Nov 2013	DUPE-8-4Q13	NA	NA	3.4	0.001 U
MW-10	Jan/Feb 2014	MW-10	NA	NA	7.9 U	0.002 U
MW-10	Apr/May 2014	MW-10	2.0 U	1.000 U	2.4 J	0.001 J
MW-10	Jul/Aug 2014	MW-10	NA	NA	5.7	0.001 J
MW-10	Oct 2014	MW-10	NA	NA	10.0	0.002 U
MW-11 Screen 1	Oct/Nov 2013	MW-11-1	NA	NA	3.0 U	0.002 U
MW-11 Screen 1	Jan/Feb 2014	MW-11-1	NA	NA	3.0 U	0.002 U
MW-11 Screen 1	Apr/May 2014	MW-11-1	2.0 U	1.000 U	3.0 U	0.001 U
MW-11 Screen 1	Jul/Aug 2014	MW-11-1	NA	NA	3.0 U	0.002 U
MW-11 Screen 1	Oct 2014	MW-11-1	NA	NA	3.0 U	0.002 U
MW-11 Screen 2	Oct/Nov 2013	MW-11-2	NA	NA	3.0 U	0.002 U
MW-11 Screen 2	Jan/Feb 2014	MW-11-2	NA	NA	3.0 U	0.002 U
MW-11 Screen 2	Apr/May 2014	MW-11-2	0.7 J	1.000 U	0.9 J	0.001 U
MW-11 Screen 2	Jul/Aug 2014	MW-11-2	NA	NA	3.0 U	0.002 U
MW-11 Screen 2	Oct 2014	MW-11-2	NA	NA	3.0 U	0.002 U
MW-11 Screen 3	Oct/Nov 2013	MW-11-3	NA	NA	3.0 U	0.002 U
MW-11 Screen 3	Jan/Feb 2014	MW-11-3	NA	NA	3.0 U	0.002 U
MW-11 Screen 3	Apr/May 2014	MW-11-3	1.9 J	1.000 U	1.0 U	0.001 U
MW-11 Screen 3	Jul/Aug 2014	MW-11-3	NA	NA	3.0 U	0.002 U
MW-11 Screen 3	Oct 2014	MW-11-3	NA	NA	0.6 J	0.002 U
MW-11 Screen 4	Oct/Nov 2013	MW-11-4	NA	NA	3.0 U	0.002 U
MW-11 Screen 4	Apr/May 2014	MW-11-4	2.0 U	1.000 U	0.9 U	0.001 U
MW-11 Screen 4	Oct 2014	MW-11-4	NA	NA	3.0 U	0.002 U
MW-11 Screen 5	Oct/Nov 2013	MW-11-5	NA	NA	3.0 U	0.002 U
MW-11 Screen 5	Apr/May 2014	MW-11-5	5.8	1.200	4.0	0.001 U
MW-11 Screen 5	Oct 2014	MW-11-5	NA	NA	1.2 J	0.002 U
MW-12 Screen 1	Oct/Nov 2013	MW-12-1	NA	NA	1.9 J	0.001 J
MW-12 Screen 1	Jan/Feb 2014	MW-12-1	NA	NA	3.0 U	0.002 U
MW-12 Screen 1	Apr/May 2014	MW-12-1	2.0 U	1.000 U	1.1 J	0.002 U
MW-12 Screen 1	Apr/May 2014	DUP-4-2Q14	2.0 U	1.000 U	1.1 J	0.002 U
MW-12 Screen 2	Oct/Nov 2013	MW-12-2	NA	NA	1.0 J	0.002 U
MW-12 Screen 2	Jan/Feb 2014	MW-12-2	NA	NA	1.0 J	0.002 U
MW-12 Screen 2	Apr/May 2014	MW-12-2	2.0 U	1.000 U	1.0 J	0.002 U
MW-12 Screen 2	Jul/Aug 2014	MW-12-2	NA	NA	2.6 U	0.002 U
MW-12 Screen 2	Oct 2014	MW-12-2	NA	NA	2.8 J	0.002 U
MW-12 Screen 3	Oct/Nov 2013	MW-12-3	NA	NA	3.0 U	0.002 U
MW-12 Screen 3	Jan/Feb 2014	MW-12-3	NA	NA	3.0 U	0.002 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-12 Screen 3	Apr/May 2014	MW-12-3	0.8 J	1.000 U	3.0 U	0.002 U
MW-12 Screen 3	Jul/Aug 2014	MW-12-3	NA	NA	1.1 U	0.002 U
MW-12 Screen 3	Oct 2014	MW-12-3	NA	NA	3.0 U	0.002 U
MW-12 Screen 3	Oct 2014	DUP-7-4Q14	NA	NA	0.6 J	0.002 U
MW-12 Screen 4	Oct/Nov 2013	MW-12-4	NA	NA	0.9 J	0.001 J
MW-12 Screen 4	Apr/May 2014	MW-12-4	2.3	1.000 U	3.0 U	0.002 U
MW-12 Screen 4	Oct 2014	MW-12-4	NA	NA	0.8 J	0.002 U
MW-12 Screen 5	Oct/Nov 2013	MW-12-5	NA	NA	1.5 J	0.002 J
MW-12 Screen 5	Apr/May 2014	MW-12-5	1.9 J	1.000 U	1.8 J	0.001 J
MW-12 Screen 5	Oct 2014	MW-12-5	NA	NA	2.7 J	0.001 J
MW-13	Oct/Nov 2013	MW-13	NA	NA	67.0	0.002 J
MW-13	Jan/Feb 2014	MW-13	NA	NA	150.0	0.002 U
MW-13	Jan/Feb 2014	DUPE-4-1Q14	NA	NA	150.0	0.002 U
MW-13	Apr/May 2014	MW-13	2.0 U	1.000 U	220.0	0.002 U
MW-13	Jul/Aug 2014	MW-13	NA	NA	51000.0	0.002 U
MW-14 Screen 1	Oct/Nov 2013	MW-14-1	NA	NA	0.8 J	0.002 U
MW-14 Screen 1	Oct/Nov 2013	DUPE-2-4Q13	NA	NA	1.0 J	0.002 U
MW-14 Screen 1	Jan/Feb 2014	MW-14-1	NA	NA	3.0 U	0.001 J
MW-14 Screen 1	Apr/May 2014	MW-14-1	2.0 U	1.000 U	0.7 U	0.002 U
MW-14 Screen 1	Jul/Aug 2014	MW-14-1	NA	NA	0.5 J	0.001 J
MW-14 Screen 2	Oct/Nov 2013	MW-14-2	NA	NA	3.0 U	0.002 U
MW-14 Screen 2	Jan/Feb 2014	MW-14-2	NA	NA	3.0 U	0.002 U
MW-14 Screen 2	Apr/May 2014	MW-14-2	2.0 U	1.000 U	2.2 U	0.002 U
MW-14 Screen 2	Apr/May 2014	DUP-1-2Q14	2.0 U	1.000 U	3.0 U	0.002 U
MW-14 Screen 2	Jul/Aug 2014	MW-14-2	NA	NA	3.0 U	0.002 U
MW-14 Screen 2	Oct 2014	MW-14-2	NA	NA	0.7 U	0.002 U
MW-14 Screen 3	Oct/Nov 2013	MW-14-3	NA	NA	3.0 U	0.002 U
MW-14 Screen 3	Jan/Feb 2014	MW-14-3	NA	NA	0.8 J	0.001 J
MW-14 Screen 3	Apr/May 2014	MW-14-3	2.0 U	1.000 U	3.0 U	0.001 U
MW-14 Screen 3	Jul/Aug 2014	MW-14-3	NA	NA	0.9 J	0.002 U
MW-14 Screen 3	Oct 2014	MW-14-3	NA	NA	3.0 U	0.002 U
MW-14 Screen 4	Oct/Nov 2013	MW-14-4	NA	NA	3.0 U	0.002 J
MW-14 Screen 4	Apr/May 2014	MW-14-4	2.0 U	1.000 U	2.1 U	0.003 U
MW-14 Screen 4	Oct 2014	MW-14-4	NA	NA	2.4 U	0.002 J
MW-14 Screen 4	Oct 2014	DUP-1-4Q14	NA	NA	2.5 U	0.002 J
MW-14 Screen 5	Oct/Nov 2013	MW-14-5	NA	NA	3.0 U	0.002 U
MW-14 Screen 5	Apr/May 2014	MW-14-5	1.0 J	0.660 U	3.0 U	0.001 U
MW-14 Screen 5	Oct 2014	MW-14-5	NA	NA	3.0 U	0.002 U
MW-15	Oct/Nov 2013	MW-15	NA	NA	3.0 U	0.002 U
MW-15	Oct/Nov 2013	DUPE-6-4Q13	NA	NA	3.0 U	0.002 U
MW-15	Jan/Feb 2014	MW-15	NA	NA	3.0 U	0.002 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-15	Apr/May 2014	MW-15	1.0 J	1.000 U	1.0 J	0.002 U
MW-15	Apr/May 2014	DUP-7-2Q14	1.0 J	1.000 U	1.4 J	0.002 U
MW-15	Jul/Aug 2014	MW-15	NA	NA	2.7 U	0.002 U
MW-15	Oct 2014	MW-15	NA	NA	0.8 J	0.002 U
MW-16	Oct/Nov 2013	MW-16	NA	NA	260.0	0.014
MW-16	Oct/Nov 2013	DUPE-7-4Q13	NA	NA	180.0	0.014
MW-16	Jan/Feb 2014	MW-16	NA	NA	410.0	0.015
MW-16	Apr/May 2014	MW-16	11.0	3.200	690.0	0.007
MW-16	Jul/Aug 2014	MW-16	NA	NA	2900.0	0.002
MW-17 Screen 1	Oct/Nov 2013	MW-17-1	NA	NA	3.0 U	0.002 U
MW-17 Screen 1	Apr/May 2014	MW-17-1	2.0 U	1.000 U	3.0 U	0.002 U
MW-17 Screen 2	Oct/Nov 2013	MW-17-2	NA	NA	3.0 U	0.002 U
MW-17 Screen 2	Jan/Feb 2014	MW-17-2	NA	NA	3.0 U	0.002 U
MW-17 Screen 2	Apr/May 2014	MW-17-2	2.0 U	1.000 U	3.0 U	0.002 U
MW-17 Screen 2	Jul/Aug 2014	MW-17-2	NA	NA	3.0 U	0.002 U
MW-17 Screen 2	Oct 2014	MW-17-2	NA	NA	3.0 U	0.004 U
MW-17 Screen 3	Oct/Nov 2013	MW-17-3	NA	NA	3.0 U	0.002 U
MW-17 Screen 3	Jan/Feb 2014	MW-17-3	NA	NA	3.0 U	0.002 U
MW-17 Screen 3	Apr/May 2014	MW-17-3	1.0 J	1.000 U	1.2 J	0.002 J
MW-17 Screen 3	Jul/Aug 2014	MW-17-3	NA	NA	3.0 U	0.001 J
MW-17 Screen 3	Jul/Aug 2014	DUP-2-3Q14	NA	NA	3.0 U	0.002 U
MW-17 Screen 3	Oct 2014	MW-17-3	NA	NA	0.7 J	0.002 U
MW-17 Screen 4	Oct/Nov 2013	MW-17-4	NA	NA	2.0 J	0.002 J
MW-17 Screen 4	Jan/Feb 2014	MW-17-4	NA	NA	4.0	0.003
MW-17 Screen 4	Apr/May 2014	MW-17-4	1.9 J	1.000 U	2.5 J	0.002
MW-17 Screen 4	Jul/Aug 2014	MW-17-4	NA	NA	2.8 J	0.002
MW-17 Screen 4	Oct 2014	MW-17-4	NA	NA	0.6 J	0.002 U
MW-17 Screen 5	Oct/Nov 2013	MW-17-5	NA	NA	3.0 U	0.002 U
MW-17 Screen 5	Apr/May 2014	MW-17-5	3.3	0.250 J	1.5 J	0.002 U
MW-17 Screen 5	Oct 2014	MW-17-5	NA	NA	0.7 J	0.002 U
MW-18 Screen 2	Oct/Nov 2013	MW-18-2	NA	NA	3.0 U	0.002 U
MW-18 Screen 2	Jan/Feb 2014	MW-18-2	NA	NA	3.0 U	0.002 U
MW-18 Screen 2	Apr/May 2014	MW-18-2	2.0 U	1.000 U	3.0 U	0.002 U
MW-18 Screen 2	Jul/Aug 2014	MW-18-2	NA	NA	3.0 U	0.002 U
MW-18 Screen 2	Oct 2014	MW-18-2	NA	NA	3.0 U	0.002 U
MW-18 Screen 3	Oct/Nov 2013	MW-18-3	NA	NA	2.9 J	0.001 J
MW-18 Screen 3	Jan/Feb 2014	MW-18-3	NA	NA	1.8 J	0.002 J
MW-18 Screen 3	Apr/May 2014	MW-18-3	1.0 J	1.000 U	2.6 U	0.002
MW-18 Screen 3	Apr/May 2014	DUP-3-2Q14	2.0 U	1.000 U	2.7 U	0.002
MW-18 Screen 3	Jul/Aug 2014	MW-18-3	NA	NA	1.9 J	0.002 J
MW-18 Screen 3	Oct 2014	MW-18-3	NA	NA	2.2 U	0.002 J

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 2014	DUP-5-4Q14	NA	NA	2.4 U	0.002 J
MW-18 Screen 4	Oct/Nov 2013	MW-18-4	NA	NA	3.5	0.001 J
MW-18 Screen 4	Jan/Feb 2014	MW-18-4	NA	NA	2.8 J	0.002
MW-18 Screen 4	Apr/May 2014	MW-18-4	1.5 J	1.000 U	3.4	0.002
MW-18 Screen 4	Jul/Aug 2014	MW-18-4	NA	NA	2.4 J	0.002 J
MW-18 Screen 4	Jul/Aug 2014	DUP-3-3Q14	NA	NA	2.4 J	0.002 J
MW-18 Screen 4	Oct 2014	MW-18-4	NA	NA	1.6 U	0.001 J
MW-18 Screen 5	Oct/Nov 2013	MW-18-5	NA	NA	3.0 U	0.002 U
MW-18 Screen 5	Apr/May 2014	MW-18-5	1.0 J	1.000 U	0.7 U	0.002 U
MW-18 Screen 5	Oct 2014	MW-18-5	NA	NA	3.0 U	0.002 U
MW-19 Screen 1	Oct/Nov 2013	MW-19-1	NA	NA	2.3 J	0.002 U
MW-19 Screen 1	Apr/May 2014	MW-19-1	2.0 U	1.000 U	0.6 U	0.002 U
MW-19 Screen 1	Oct 2014	MW-19-1	NA	NA	1.0 J	0.002 U
MW-19 Screen 2	Oct/Nov 2013	MW-19-2	NA	NA	2.1 J	0.002 U
MW-19 Screen 2	Apr/May 2014	MW-19-2	2.0 U	1.000 U	2.9 U	0.001 J
MW-19 Screen 2	Oct 2014	MW-19-2	NA	NA	2.0 J	0.002 U
MW-19 Screen 3	Oct/Nov 2013	MW-19-3	NA	NA	2.6 J	0.002 U
MW-19 Screen 3	Apr/May 2014	MW-19-3	1.0 J	1.000 U	3.0 U	0.002 J
MW-19 Screen 3	Oct 2014	MW-19-3	NA	NA	2.5 J	0.002 U
MW-19 Screen 4	Oct/Nov 2013	MW-19-4	NA	NA	2.5 J	0.002 J
MW-19 Screen 4	Apr/May 2014	MW-19-4	1.3 J	1.000 U	2.6 J	0.001 J
MW-19 Screen 4	Oct 2014	MW-19-4	NA	NA	1.3 J	0.002 U
MW-19 Screen 5	Oct/Nov 2013	MW-19-5	NA	NA	1.1 J	0.002 U
MW-19 Screen 5	Apr/May 2014	MW-19-5	1.5 J	1.000 U	1.4 J	0.002 U
MW-19 Screen 5	Oct 2014	MW-19-5	NA	NA	0.8 J	0.002 U
MW-20 Screen 1	Oct/Nov 2013	MW-20-1	NA	NA	3.0 U	0.002 U
MW-20 Screen 1	Jan/Feb 2014	MW-20-1	NA	NA	3.0 U	0.002 U
MW-20 Screen 1	Jan/Feb 2014	DUPE-2-1Q14	NA	NA	3.0 U	0.002 U
MW-20 Screen 1	Apr/May 2014	MW-20-1	2.0 U	1.000 U	0.8 U	0.002 U
MW-20 Screen 2	Oct/Nov 2013	MW-20-2	NA	NA	3.0 U	0.002 U
MW-20 Screen 2	Jan/Feb 2014	MW-20-2	NA	NA	3.0 U	0.002 U
MW-20 Screen 2	Apr/May 2014	MW-20-2	2.0 U	1.000 U	2.2 U	0.001 J
MW-20 Screen 2	Jul/Aug 2014	MW-20-2	NA	NA	3.0 U	0.004 UJ
MW-20 Screen 2	Jul/Aug 2014	DUP-1-3Q14	NA	NA	3.0 U	0.004 UJ
MW-20 Screen 2	Oct 2014	MW-20-2	NA	NA	1.0 J	0.002 U
MW-20 Screen 3	Oct/Nov 2013	MW-20-3	NA	NA	3.0 U	0.002 U
MW-20 Screen 3	Jan/Feb 2014	MW-20-3	NA	NA	3.0 U	0.002 U
MW-20 Screen 3	Apr/May 2014	MW-20-3	2.0 U	1.000 U	0.9 U	0.002 U
MW-20 Screen 3	Jul/Aug 2014	MW-20-3	NA	NA	3.0 U	0.004 UJ
MW-20 Screen 3	Oct 2014	MW-20-3	NA	NA	3.0 U	0.002 U
MW-20 Screen 4	Oct/Nov 2013	MW-20-4	NA	NA	3.0 U	0.002 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-20 Screen 4	Oct/Nov 2013	DUPE-1-4Q13	NA	NA	3.0 U	0.002 U
MW-20 Screen 4	Jan/Feb 2014	MW-20-4	NA	NA	3.0 U	0.002 U
MW-20 Screen 4	Apr/May 2014	MW-20-4	1.1 J	1.000 U	0.5 U	0.010 U
MW-20 Screen 4	Jul/Aug 2014	MW-20-4	NA	NA	3.0 U	0.004 UJ
MW-20 Screen 4	Oct 2014	MW-20-4	NA	NA	3.0 U	0.002 U
MW-20 Screen 5	Oct/Nov 2013	MW-20-5	NA	NA	3.0 U	0.002 U
MW-20 Screen 5	Jan/Feb 2014	MW-20-5	NA	NA	3.0 U	0.001 J
MW-20 Screen 5	Apr/May 2014	MW-20-5	2.0 U	1.000 U	0.7 U	0.002 U
MW-20 Screen 5	Jul/Aug 2014	MW-20-5	NA	NA	3.0 U	0.004 UJ
MW-20 Screen 5	Oct 2014	MW-20-5	NA	NA	0.9 J	0.002 U
MW-21 Screen 1	Oct/Nov 2013	MW-21-1	NA	NA	3.9 U	0.002 U
MW-21 Screen 1	Jan/Feb 2014	MW-21-1	NA	NA	1.8 J	0.002
MW-21 Screen 1	Apr/May 2014	MW-21-1	2.0 U	1.000 U	1.6 J	0.002 U
MW-21 Screen 2	Oct/Nov 2013	MW-21-2	NA	NA	1.3 U	0.002 U
MW-21 Screen 2	Jan/Feb 2014	MW-21-2	NA	NA	3.0 U	0.001 J
MW-21 Screen 2	Apr/May 2014	MW-21-2	2.0 U	1.000 U	3.0 U	0.002 U
MW-21 Screen 2	Jul/Aug 2014	MW-21-2	NA	NA	0.9 U	0.001 U
MW-21 Screen 2	Oct 2014	MW-21-2	NA	NA	0.5 U	0.002 U
MW-21 Screen 3	Oct/Nov 2013	MW-21-3	NA	NA	2.0 U	0.002 U
MW-21 Screen 3	Jan/Feb 2014	MW-21-3	NA	NA	0.6 J	0.001 J
MW-21 Screen 3	Apr/May 2014	MW-21-3	2.0 U	1.000 U	3.0 U	0.002 U
MW-21 Screen 3	Jul/Aug 2014	MW-21-3	NA	NA	1.3 U	0.001 U
MW-21 Screen 3	Oct 2014	MW-21-3	NA	NA	0.8 U	0.002 U
MW-21 Screen 4	Oct/Nov 2013	MW-21-4	NA	NA	1.9 U	0.002 U
MW-21 Screen 4	Jan/Feb 2014	MW-21-4	NA	NA	0.9 J	0.001 J
MW-21 Screen 4	Apr/May 2014	MW-21-4	2.0 U	1.000 U	1.2 J	0.002 U
MW-21 Screen 4	Jul/Aug 2014	MW-21-4	NA	NA	1.9 J	0.002 U
MW-21 Screen 4	Jul/Aug 2014	DUP-6-3Q14	NA	NA	1.7 U	0.002 U
MW-21 Screen 4	Oct 2014	MW-21-4	NA	NA	1.2 U	0.002 U
MW-21 Screen 5	Oct/Nov 2013	MW-21-5	NA	NA	2.3 U	0.001 J
MW-21 Screen 5	Jan/Feb 2014	MW-21-5	NA	NA	1.1 U	0.002 J
MW-21 Screen 5	Apr/May 2014	MW-21-5	2.0 U	1.000 U	1.2 J	0.002 U
MW-21 Screen 5	Jul/Aug 2014	MW-21-5	NA	NA	2.0 U	0.002 U
MW-21 Screen 5	Oct 2014	MW-21-5	NA	NA	1.4 U	0.001 J
MW-22 Screen 1	Oct/Nov 2013	MW-22-1	NA	NA	1.0 U	0.002 U
MW-22 Screen 1	Jan/Feb 2014	MW-22-1	NA	NA	2.7 J	0.002 U
MW-22 Screen 1	Apr/May 2014	MW-22-1	2.0 U	1.000 U	0.7 U	0.002 U
MW-22 Screen 1	Jul/Aug 2014	MW-22-1	NA	NA	3.0 U	0.002 U
MW-22 Screen 1	Oct 2014	MW-22-1	NA	NA	1.3 J	0.002 U
MW-22 Screen 2	Oct/Nov 2013	MW-22-2	NA	NA	2.4 U	0.001 J
MW-22 Screen 2	Jan/Feb 2014	MW-22-2	NA	NA	1.4 J	0.002 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-22 Screen 2	Apr/May 2014	MW-22-2	1.2 U	1.000 U	1.7 U	0.002 U
MW-22 Screen 2	Jul/Aug 2014	MW-22-2	NA	NA	1.0 J	0.002 J
MW-22 Screen 2	Oct 2014	MW-22-2	NA	NA	2.0 J	0.001 J
MW-22 Screen 3	Oct/Nov 2013	MW-22-3	NA	NA	3.2 U	0.002
MW-22 Screen 3	Jan/Feb 2014	MW-22-3	NA	NA	1.4 J	0.003 U
MW-22 Screen 3	Apr/May 2014	MW-22-3	1.2 U	1.000 U	2.5 U	0.003 U
MW-22 Screen 3	Jul/Aug 2014	MW-22-3	NA	NA	1.4 J	0.002
MW-22 Screen 3	Oct 2014	MW-22-3	NA	NA	2.5 J	0.002 J
MW-22 Screen 4	Oct/Nov 2013	MW-22-4	NA	NA	2.0 U	0.002 J
MW-22 Screen 4	Apr/May 2014	MW-22-4	1.1 U	1.000 U	1.9 U	0.002 U
MW-22 Screen 4	Oct 2014	MW-22-4	NA	NA	2.3 J	0.002 J
MW-22 Screen 4	Oct 2014	DUP-2-4Q14	NA	NA	2.2 J	0.002 J
MW-22 Screen 5	Oct/Nov 2013	MW-22-5	NA	NA	3.0 U	0.002 U
MW-22 Screen 5	Apr/May 2014	MW-22-5	0.7 U	1.000 U	3.0 U	0.002 U
MW-22 Screen 5	Oct 2014	MW-22-5	NA	NA	3.0 U	0.002 U
MW-23 Screen 1	Oct/Nov 2013	MW-23-1	NA	NA	2.0 J	0.002 U
MW-23 Screen 1	Jan/Feb 2014	MW-23-1	NA	NA	1.6 J	0.002 U
MW-23 Screen 1	Apr/May 2014	MW-23-1	2.0 U	1.000 U	1.0 U	0.001 U
MW-23 Screen 1	Jul/Aug 2014	MW-23-1	NA	NA	1.2 J	0.001 J
MW-23 Screen 1	Oct 2014	MW-23-1	NA	NA	0.7 J	0.001 J
MW-23 Screen 2	Oct/Nov 2013	MW-23-2	NA	NA	0.9 J	0.001 J
MW-23 Screen 2	Jan/Feb 2014	MW-23-2	NA	NA	1.2 J	0.002 U
MW-23 Screen 2	Apr/May 2014	MW-23-2	2.0 U	1.000 U	0.6 U	0.002 U
MW-23 Screen 2	Jul/Aug 2014	MW-23-2	NA	NA	1.3 J	0.001 J
MW-23 Screen 2	Oct 2014	MW-23-2	NA	NA	0.7 J	0.001 J
MW-23 Screen 3	Oct/Nov 2013	MW-23-3	NA	NA	2.7 J	0.003
MW-23 Screen 3	Jan/Feb 2014	MW-23-3	NA	NA	3.1	0.003 U
MW-23 Screen 3	Apr/May 2014	MW-23-3	1.0 J	1.000 U	3.1 U	0.004 U
MW-23 Screen 3	Jul/Aug 2014	MW-23-3	NA	NA	3.2	0.003
MW-23 Screen 3	Oct 2014	MW-23-3	NA	NA	2.9 J	0.003
MW-23 Screen 4	Oct/Nov 2013	MW-23-4	NA	NA	2.3 J	0.003
MW-23 Screen 4	Jan/Feb 2014	MW-23-4	NA	NA	2.6 J	0.003
MW-23 Screen 4	Apr/May 2014	MW-23-4	1.3 J	1.000 U	3.1 U	0.004 U
MW-23 Screen 4	Jul/Aug 2014	MW-23-4	NA	NA	2.8 J	0.003
MW-23 Screen 4	Oct 2014	MW-23-4	NA	NA	2.0 J	0.002
MW-23 Screen 5	Oct/Nov 2013	MW-23-5	NA	NA	3.0 U	0.002 U
MW-23 Screen 5	Apr/May 2014	MW-23-5	2.0 U	1.000 U	0.6 U	0.001 U
MW-23 Screen 5	Oct 2014	MW-23-5	NA	NA	3.0 U	0.002 U
MW-24 Screen 1	Oct/Nov 2013	MW-24-1	NA	NA	9.9	0.006
MW-24 Screen 1	Jan/Feb 2014	MW-24-1	NA	NA	16.0	0.002 U
MW-24 Screen 1	Apr/May 2014	MW-24-1	2.0 U	1.000 U	16.0	0.006

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-24 Screen 1	Jul/Aug 2014	MW-24-1	NA	NA	6.1	0.002 U
MW-24 Screen 1	Oct 2014	MW-24-1	NA	NA	4.7	0.002 U
MW-24 Screen 2	Oct/Nov 2013	MW-24-2	NA	NA	2.3 U	0.002 J
MW-24 Screen 2	Jan/Feb 2014	MW-24-2	NA	NA	2.6 J	0.002
MW-24 Screen 2	Apr/May 2014	MW-24-2	2.2	1.000 U	2.0 J	0.003
MW-24 Screen 2	Apr/May 2014	DUP-2-2Q14	2.5	1.000 U	2.4 J	0.003
MW-24 Screen 2	Jul/Aug 2014	MW-24-2	NA	NA	1.7 J	0.002
MW-24 Screen 2	Oct 2014	MW-24-2	NA	NA	2.6 J	0.002 J
MW-24 Screen 3	Oct/Nov 2013	MW-24-3	NA	NA	3.0 U	0.002 U
MW-24 Screen 3	Jan/Feb 2014	MW-24-3	NA	NA	3.0 U	0.002 U
MW-24 Screen 3	Apr/May 2014	MW-24-3	2.2 U	1.000 U	3.0 U	0.001 U
MW-24 Screen 3	Jul/Aug 2014	MW-24-3	NA	NA	3.0 U	0.002 U
MW-24 Screen 3	Oct 2014	MW-24-3	NA	NA	3.0 U	0.002 U
MW-24 Screen 4	Oct/Nov 2013	MW-24-4	NA	NA	3.0 U	0.002 U
MW-24 Screen 4	Jan/Feb 2014	MW-24-4	NA	NA	3.0 U	0.002 U
MW-24 Screen 4	Apr/May 2014	MW-24-4	1.3 U	1.000 U	0.6 U	0.002 U
MW-24 Screen 4	Jul/Aug 2014	MW-24-4	NA	NA	3.0 U	0.002 U
MW-24 Screen 4	Oct 2014	MW-24-4	NA	NA	3.0 U	0.002 U
MW-24 Screen 4	Oct 2014	DUP-8-4Q14	NA	NA	0.7 J	0.002 U
MW-24 Screen 5	Oct/Nov 2013	MW-24-5	NA	NA	3.1 U	0.001 J
MW-24 Screen 5	Apr/May 2014	MW-24-5	2.4 U	1.000 U	2.5 U	0.003 U
MW-24 Screen 5	Oct 2014	MW-24-5	NA	NA	1.1 J	0.002
MW-25 Screen 1	Oct/Nov 2013	MW-25-1	NA	NA	2.3 U	0.002 U
MW-25 Screen 1	Jan/Feb 2014	MW-25-1	NA	NA	2.0 U	0.002 U
MW-25 Screen 1	Apr/May 2014	MW-25-1	2.0 U	1.000 U	1.5 J	0.002 U
MW-25 Screen 1	Jul/Aug 2014	MW-25-1	NA	NA	1.5 U	0.002 U
MW-25 Screen 1	Oct 2014	MW-25-1	NA	NA	1.4 J	0.002 U
MW-25 Screen 1	Oct 2014	DUP-4-4Q14	NA	NA	1.5 J	0.002 U
MW-25 Screen 2	Oct/Nov 2013	MW-25-2	NA	NA	2.5 J	0.001 J
MW-25 Screen 2	Oct/Nov 2013	DUPE-4-4Q13	NA	NA	3.7 U	0.001 J
MW-25 Screen 2	Jan/Feb 2014	MW-25-2	NA	NA	4.0	0.002 J
MW-25 Screen 2	Apr/May 2014	MW-25-2	0.8 J	1.000 U	2.8 U	0.002 J
MW-25 Screen 2	Jul/Aug 2014	MW-25-2	NA	NA	3.0	0.002
MW-25 Screen 2	Jul/Aug 2014	DUP-4-3Q14	NA	NA	2.7 J	0.002
MW-25 Screen 2	Oct 2014	MW-25-2	NA	NA	2.3 J	0.002
MW-25 Screen 3	Oct/Nov 2013	MW-25-3	NA	NA	2.4 J	0.002
MW-25 Screen 3	Jan/Feb 2014	MW-25-3	NA	NA	1.8 J	0.003
MW-25 Screen 3	Apr/May 2014	MW-25-3	1.0 J	1.000 U	2.7 U	0.003
MW-25 Screen 3	Jul/Aug 2014	MW-25-3	NA	NA	3.5	0.003
MW-25 Screen 3	Oct 2014	MW-25-3	NA	NA	2.6 J	0.003
MW-25 Screen 4	Oct/Nov 2013	MW-25-4	NA	NA	1.1 J	0.002 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-25 Screen 4	Jan/Feb 2014	MW-25-4	NA	NA	0.9 J	0.001 J
MW-25 Screen 4	Apr/May 2014	MW-25-4	0.8 J	1.000 U	1.4 U	0.001 J
MW-25 Screen 4	Jul/Aug 2014	MW-25-4	NA	NA	1.4 J	0.001 J
MW-25 Screen 4	Oct 2014	MW-25-4	NA	NA	0.9 J	0.001 J
MW-25 Screen 5	Oct/Nov 2013	MW-25-5	NA	NA	3.0 U	0.002 U
MW-25 Screen 5	Jan/Feb 2014	MW-25-5	NA	NA	3.0 U	0.002 U
MW-25 Screen 5	Apr/May 2014	MW-25-5	1.7 J	1.000 U	3.0 U	0.002 U
MW-25 Screen 5	Jul/Aug 2014	MW-25-5	NA	NA	3.0 U	0.002 U
MW-25 Screen 5	Oct 2014	MW-25-5	NA	NA	3.0 U	0.002 U
MW-26 Screen 1	Oct/Nov 2013	MW-26-1	NA	NA	3.0 U	0.002 U
MW-26 Screen 1	Oct/Nov 2013	DUPE-3-4Q13	NA	NA	7.2	0.002 U
MW-26 Screen 1	Jan/Feb 2014	MW-26-1	NA	NA	3.0 U	0.002 U
MW-26 Screen 1	Apr/May 2014	MW-26-1	2.0 U	1.000 U	3.0 U	0.002 U
MW-26 Screen 1	Jul/Aug 2014	MW-26-1	NA	NA	3.0 U	0.002 U
MW-26 Screen 1	Oct 2014	MW-26-1	NA	NA	3.0 U	0.002 U
MW-26 Screen 1	Oct 2014	DUP-6-4Q14	NA	NA	3.0 U	0.002 U
MW-26 Screen 2	Oct/Nov 2013	MW-26-2	NA	NA	2.1 J	0.002 U
MW-26 Screen 2	Jan/Feb 2014	MW-26-2	NA	NA	3.0 U	0.001 U
MW-26 Screen 2	Apr/May 2014	MW-26-2	2.3	1.000 U	5.0	0.002 U
MW-26 Screen 2	Jul/Aug 2014	MW-26-2	NA	NA	2.0 J	0.002 U
MW-26 Screen 2	Oct 2014	MW-26-2	NA	NA	2.3 U	0.002 U
California Maximum Contaminant Level (MCL)			10	15 *	50	0.01 **
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 December 31, 2010, a draft PHG of 0.02 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.

On August 23, 2013, the California Department of Public Health (CDPH) proposed to establish a specific MCL for Cr(VI) at a concentration of 0.010 milligram per liter (10.0 µg/L equivalent).

On July 1, 2014 the State Water Resources Control Board (CalEPA) adopted an MCL for Cr(VI) of 10.0 µg/L.

J Analyte concentration is an estimated value

U Analyte was analyzed for but not detected at or above the stated limit

UJ Analyte was analyzed for but not detected; analyte concentration is an estimated value

TABLE 3
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE REPORTED IN
MUNICIPAL PRODUCTION WELLS NEAR JPL DURING LAST FIVE 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	11/05/13	25.0	1.8	0.5 U	1.8
		11/12/13	24.0	NA	NA	NA
		11/19/13	22.0	NA	NA	NA
		12/03/13	26.0	2.0	0.5 U	1.9
		12/10/13	27.0	NA	NA	NA
		12/17/13	29.0	NA	NA	NA
		12/23/13	27.0	NA	NA	NA
		2/11/14	13.0	NA	NA	NA
		2/18/14	28.0	NA	NA	NA
		2/25/14	27.0	NA	NA	NA
		3/04/14	30.0	2.0	0.5 U	1.9
		3/14/14	29.0	NA	NA	NA
		3/18/14	27.0	NA	NA	NA
		3/25/14	27.0	NA	NA	NA
		4/01/14	26.0	2.5	0.6	2.6
		4/08/14	25.0	NA	NA	NA
		4/15/14	25.0	NA	NA	NA
		4/22/14	25.0	NA	NA	NA
		4/29/14	24.0	NA	NA	NA
		5/20/14	22.0	NA	NA	NA
		5/27/14	22.0	NA	NA	NA
		6/03/14	23.0	2.1	0.5	1.9
		6/10/14	22.0	NA	NA	NA
		6/17/14	22.0	NA	NA	NA
		6/24/14	22.0	NA	NA	NA
		7/01/14	23.0	2.1	0.5	2.2
		7/08/14	23.0	NA	NA	NA
		7/15/14	24.0	NA	NA	NA
		7/16/14	NA	2.6	0.5	2.3
		7/22/14	23.0	NA	NA	NA
	7/29/14	25.0	NA	NA	NA	
	8/12/14	25.0	NA	NA	NA	
	8/19/14	25.0	NA	NA	NA	
	8/26/14	25.0	NA	NA	NA	
9/02/14	24.0	2.8	0.6	2.2		
9/09/14	24.0	NA	NA	NA		
9/16/14	22.0	NA	NA	NA		
9/23/14	23.0	NA	NA	NA		
	WELL 05	11/05/13	15.0	1.5	0.5 U	1.5
		11/12/13	14.0	NA	NA	NA
		11/19/13	14.0	NA	NA	NA
		11/26/13	15.0	NA	NA	NA
		12/04/13	14.0	1.5	0.5	1.3

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
LINCOLN AVENUE WATER CO. (con't)	WELL 05 (con't)	12/10/13	14.0	NA	NA	NA
		12/17/13	16.0	NA	NA	NA
		12/23/13	13.0	NA	NA	NA
		2/11/14	27.0	NA	NA	NA
		2/20/14	13.0	NA	NA	NA
		2/25/14	13.0	NA	NA	NA
		3/14/14	14.0	2.5	0.8	2.0
		3/18/14	12.0	NA	NA	NA
		3/25/14	11.0	NA	NA	NA
		4/01/14	12.0	1.5	0.6	1.6
		4/08/14	12.0	NA	NA	NA
		4/15/14	13.0	NA	NA	NA
		4/22/14	10.0	NA	NA	NA
		4/29/14	11.0	NA	NA	NA
		5/20/14	11.0	NA	NA	NA
		5/27/14	10.0	NA	NA	NA
		6/03/14	11.0	1.3	0.6	1.4
		6/10/14	10.0	NA	NA	NA
		6/17/14	11.0	NA	NA	NA
		6/24/14	13.0	NA	NA	NA
		7/01/14	11.0	1.2	0.5	1.2
		7/08/14	11.0	NA	NA	NA
		7/15/14	10.0	NA	NA	NA
		7/22/14	9.9	NA	NA	NA
		7/29/14	11.0	NA	NA	NA
		8/12/14	11.0	NA	NA	NA
		8/19/14	11.0	NA	NA	NA
		8/26/14	10.0	NA	NA	NA
9/02/14	10.0	1.3	0.5	1.4		
9/09/14	11.0	NA	NA	NA		
9/16/14	9.9	NA	NA	NA		
9/23/14	9.9	NA	NA	NA		
RUBIO CANON LAND & WATER ASSOCIATION	WELL 04	11/04/13	4.0 U	NA	NA	NA
		11/12/13	4.0 U	NA	NA	NA
		11/18/13	4.0 U	NA	NA	NA
		11/25/13	4.0 U	NA	NA	NA
		12/02/13	4.0 U	NA	NA	NA
		12/09/13	4.0 U	NA	NA	NA
		12/16/13	4.0 U	NA	NA	NA
		12/23/13	4.0 U	NA	NA	NA
		2/10/14	4.0 U	NA	NA	NA
		2/18/14	4.0 U	NA	NA	NA
		2/24/14	4.0 U	NA	NA	NA
		3/03/14	4.0 U	NA	NA	NA
		3/10/14	4.0 U	NA	NA	NA
		3/17/14	4.0 U	NA	NA	NA
		3/24/14	4.0 U	NA	NA	NA
		3/31/14	4.0 U	NA	NA	NA
		4/07/14	4.0 U	NA	NA	NA
4/14/14	4.0 U	NA	NA	NA		

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
RUBIO CANON LAND & WATER ASSOCIATION (cont)	WELL 04 (cont)	4/21/14	4.0 U	NA	NA	NA
		4/28/14	4.0 U	NA	NA	NA
		5/19/14	4.0 U	NA	NA	NA
		5/27/14	4.0 U	NA	NA	NA
		6/02/14	4.0 U	NA	NA	NA
		6/09/14	4.0 U	NA	NA	NA
		6/16/14	4.0 U	NA	NA	NA
		6/23/14	4.0 U	NA	NA	NA
		6/30/14	4.0 U	NA	NA	NA
		7/07/14	4.0 U	NA	NA	NA
		7/14/14	4.0 U	NA	NA	NA
		7/21/14	4.0 U	NA	NA	NA
		7/28/14	4.0 U	NA	NA	NA
		8/11/14	4.0 U	NA	NA	NA
		8/18/14	4.0 U	NA	NA	NA
		8/25/14	4.0 U	NA	NA	NA
		9/02/14	4.0 U	NA	NA	NA
		9/08/14	4.0 U	NA	NA	NA
		9/15/14	4.0 U	NA	NA	NA
		9/22/14	4.0 U	NA	NA	NA
	9/29/14	4.0 U	NA	NA	NA	
	WELL 07	2/10/14	4.0 U	NA	NA	NA
		2/18/14	4.0 U	NA	NA	NA
		2/24/14	4.0 U	NA	NA	NA
		3/03/14	4.0 U	NA	NA	NA
		3/10/14	4.0 U	NA	NA	NA
		3/17/14	4.0 U	NA	NA	NA
		3/24/14	4.0 U	NA	NA	NA
		3/31/14	4.0 U	NA	NA	NA
		4/07/14	4.0 U	NA	0.5 U	NA
		4/14/14	4.0 U	NA	NA	NA
		4/21/14	4.0 U	NA	NA	NA
		4/28/14	4.0 U	NA	NA	NA
		5/19/14	4.0 U	NA	NA	NA
		5/27/14	4.0 U	NA	NA	NA
		6/02/14	4.0 U	NA	NA	NA
		6/09/14	4.0 U	NA	NA	NA
		6/16/14	4.0 U	NA	NA	NA
		6/23/14	4.0 U	NA	NA	NA
		6/30/14	4.0 U	NA	NA	NA
		7/07/14	4.0 U	NA	0.6	NA
		7/14/14	4.0 U	NA	NA	NA
7/21/14		4.0 U	NA	NA	NA	
7/28/14	4.0 U	NA	NA	NA		
8/11/14	4.0 U	NA	NA	NA		
8/18/14	4.0 U	NA	NA	NA		
8/25/14	4.0 U	NA	NA	NA		
9/02/14	4.0 U	NA	NA	NA		
9/08/14	4.0 U	NA	NA	NA		
9/15/14	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)	9/22/14	4.0 U	NA	NA	NA
		9/29/14	4.0 U	NA	NA	NA
LAS FLORES WATER CO.	WELL 02	11/04/13	5.1	NA	1.2	NA
		11/11/13	4.8	NA	1.3	NA
		11/18/13	4.6	NA	1.3	NA
		11/25/13	4.3	NA	1.5	NA
		12/02/13	4.0 U	NA	1.5	NA
		12/09/13	4.8	NA	1.7	NA
		12/16/13	4.9	NA	1.7	NA
		12/23/13	4.8	NA	1.8	NA
		2/10/14	4.3	0.5 U	2.6	0.5 U
		2/18/14	5.1	NA	2.8	NA
		2/24/14	5.0	NA	2.6	NA
		3/03/14	4.5	NA	2.7	NA
		3/10/14	5.2	NA	4.8	NA
		3/17/14	4.2	NA	3.9	NA
		3/24/14	4.7	NA	3.9	NA
		3/31/14	5.6	NA	4.1	NA
		4/07/14	4.7	NA	3.1	NA
		4/14/14	4.9	NA	3.3	NA
		4/21/14	4.0 U	NA	3.9	NA
		4/28/14	5.4	NA	3.4	NA
		5/19/14	4.2	NA	2.8	NA
		5/27/14	4.0 U	NA	3.4	NA
		6/02/14	4.3	NA	3.8	NA
		6/09/14	5.1	NA	3.5	NA
		6/16/14	4.3	NA	3.7	NA
		6/23/14	4.9	NA	4.2	NA
		6/30/14	5.2	NA	3.7	NA
		7/07/14	4.9	NA	3.8	NA
		7/14/14	4.8	NA	3.4	NA
		7/21/14	4.1	NA	3.6	NA
		8/11/14	4.9	NA	2.5	NA
		8/18/14	4.7	NA	3.1	NA
		8/25/14	4.7	NA	3.0	NA
9/02/14	4.8	NA	3.0	NA		
9/08/14	4.6	NA	3.1	NA		
9/15/14	4.5	NA	3.6	NA		
9/22/14	4.1	NA	2.7	NA		
LA CANADA IRRIGATION DIST.	WELL 01	11/25/13	4.0 U	NA	NA	NA
		2/24/14	4.0 U	NA	NA	NA
		5/27/14	4.0 U	NA	NA	NA
		6/23/14	NA	NA	0.5 U	0.6
	WELL 06	3/17/14	NA	NA	0.6	1.4
		6/09/14	NA	NA	0.5 U	0.7
9/15/14		NA	NA	0.6	1.1	
VALLEY WATER CO.	WELL 01	5/07/14	NA	0.5 U	2.6	0.5 U
		6/04/14	4.0 U	0.5 U	2.5	0.5 U
		7/02/14	4.0 U	0.5 U	2.1	1.4
		9/03/14	4.1	0.5	1.5	1.6

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
VALLEY WATER CO. (con't)	WELL 02	5/07/14	NA	0.5 U	3.1	0.9
		6/04/14	4.4	0.5 U	2.0	1.1
		7/02/14	4.4	0.5 U	1.9	1.2
		9/03/14	4.4	0.5	1.5	1.1
	WELL 03	5/07/14	NA	0.5 U	1.8	1.1
		6/04/14	4.7	0.5 U	1.4	1.0
		7/02/14	4.8	0.5 U	1.5	1.0
		9/03/14	4.7	NA	NA	NA
	WELL 04	5/07/14	NA	0.5 U	1.5	2.0
		6/04/14	4.0	0.5 U	1.3	2.1
		7/02/14	4.0 U	0.5 U	1.5	1.2
		9/03/14	4.0	NA	NA	NA
PASADENA-CITY, WATER DEPT.	ARROYO	11/05/13	28.3	1.4	0.5 U	0.6
		11/13/13	28.9	1.8	0.5 U	0.6
		11/19/13	26.2	1.8	0.5 U	0.7
		11/26/13	23.9	1.8	0.5 U	0.7
		12/03/13	24.4	1.6	0.5 U	0.6
		12/10/13	25.1	1.7	0.5 U	0.6
		12/17/13	24.3	1.9	0.5 U	0.7
		12/24/13	25.1	1.7	0.5 U	0.7
		12/31/13	24.8	1.7	0.5 U	0.8
		2/11/14	25.2	1.5	0.5 U	0.7
		2/18/14	24.8	1.6	0.5 U	0.7
		2/25/14	23.8	1.6	0.5 U	0.6
		3/11/14	23.1	1.0	0.5 U	0.5 U
		3/18/14	23.8	1.4	0.5 U	0.5
		3/25/14	25.0	1.4	0.5 U	0.5
		4/01/14	25.5	1.3	0.5 U	0.5
		4/08/14	26.0	1.3	0.5 U	0.6
		4/15/14	23.7	1.2	0.5 U	0.6
		4/22/14	NA	1.6	0.5 U	0.7
		4/29/14	NA	1.4	0.5 U	0.6
		5/20/14	21.6	1.5	0.5 U	0.7
		5/27/14	18.6	1.8	0.5 U	0.7
		6/03/14	18.1	1.5	0.5 U	0.7
		6/10/14	19.0	1.7	0.5 U	0.8
		6/24/14	19.5	1.5	0.5 U	0.7
		7/01/14	19.5	1.6	0.5 U	0.8
		7/08/14	19.4	1.9	0.5 U	0.9
		7/15/14	19.3	1.8	0.5 U	0.9
		7/22/14	18.4	1.1	0.5 U	0.7
		7/29/14	18.4	1.7	0.5 U	0.8
		8/12/14	17.7	1.4	0.5 U	0.7
		8/19/14	18.8	1.5	0.5 U	0.7
8/26/14	19.5	2.2	0.5 U	1.0		
9/02/14	18.1	1.3	0.5 U	0.7		
9/09/14	17.6	1.2	0.5 U	0.8		
9/16/14	18.6	1.1	0.5 U	0.7		
9/23/14	16.6	1.2	0.5 U	0.8		
9/30/14	17.3	1.0	0.5 U	0.8		

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
PASADENA-CITY, WATER DEPT. (con't)	VENTURA	11/19/13	4.2	0.5 U	1.0	4.3
		12/19/13	4.6	0.5 U	1.0	4.5
		2/18/14	5.6	0.5 U	1.0	4.3
		2/25/14	4.8	0.5 U	1.0	4.4
		3/11/14	5.7	0.5 U	1.1	4.3
		3/18/14	6.1	0.5 U	1.0	4.2
		3/25/14	7.7	0.5 U	1.0	4.4
		4/01/14	7.7	0.5 U	0.9	4.0
		4/08/14	6.3	0.5 U	0.9	4.2
		4/15/14	5.7	NA	NA	NA
		4/22/14	NA	0.5 U	1.0	4.6
		4/29/14	NA	0.5 U	0.9	4.1
		7/15/14	5.1	0.5 U	1.3	5.2
	WELL 52	11/05/13	6.8	0.5 U	0.5 U	1.7
		11/13/13	6.5	0.5 U	0.6	2.1
		11/19/13	6.3	0.5 U	0.6	2.1
		11/26/13	5.8	0.5 U	0.6	2.1
		12/03/13	6.3	0.5 U	0.6	2.0
		12/10/13	6.0	0.5 U	0.6	2.1
		12/17/13	5.7	0.5 U	0.7	2.3
		12/24/13	6.1	0.5 U	0.7	2.3
		12/31/13	5.6	0.5 U	0.6	2.1
		2/11/14	7.3	0.5 U	0.7	2.5
		2/18/14	5.9	0.5 U	0.6	2.3
		2/25/14	6.1	0.5 U	0.6	2.2
		3/11/14	6.4	0.5 U	0.6	2.4
		3/18/14	6.7	0.5 U	0.6	2.3
		3/25/14	7.0	0.5 U	0.6	2.3
		4/01/14	6.9	0.5 U	0.6	2.2
		4/08/14	8.2	0.5 U	0.6	2.2
		4/15/14	7.0	0.5 U	0.6	2.3
		4/22/14	7.0	0.5 U	0.7	2.6
		4/29/14	NA	0.5 U	0.7	2.6
5/20/14	5.5	0.5 U	0.6	3.1		
5/27/14	4.5	0.5 U	0.6	2.7		
6/03/14	5.2	0.5 U	0.6	2.7		
6/10/14	5.1	0.5 U	0.7	3.0		
6/24/14	NA	0.5 U	0.7	2.8		
7/01/14	5.3	0.5 U	0.7	3.3		
7/08/14	5.5	0.5 U	0.8	3.5		
7/15/14	5.7	0.5 U	0.8	3.7		
7/22/14	5.8	0.5 U	0.7	2.8		
7/29/14	4.9	0.5 U	0.8	3.4		

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
PASADENA-CITY, WATER DEPT. (con't)	WELL 52 (con't)	8/12/14	5.3	0.5 U	0.5 U	1.9
		8/19/14	5.2	0.5 U	0.7	3.0
		8/26/14	5.2	0.5 U	0.8	3.8
		9/02/14	5.2	0.5 U	0.7	3.0
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>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>						