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Technical Memorandum

Second Quarter 2015 Groundwater Monitoring Summary
National Aeronautics and Space Administration
Jet Propulsion Laboratory, Pasadena, California

Final July 2015

This technical memorandum summarizes the results of the second quarter 2015 groundwater sampling event completed as part of the groundwater monitoring program at the National Aeronautics and Space Administration (NASA) Jet Propulsion Laboratory (JPL). The second quarter 2015 groundwater sampling event was conducted from April 17 through May 1, 2015.

INTRODUCTION

During the second quarter 2015 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)], perchlorate, lead, arsenic, major cations and anions, alkalinity, total dissolved solids (TDS), and pH. In select wells, 1,4-dioxane, N-nitrosodimethylamine (NDMA) and orthophosphate were also analyzed. Figure 1 shows the locations of the groundwater monitoring wells.

Groundwater samples were shipped to BC Laboratories, Inc., in Bakersfield, CA. BC Laboratories, Inc. is certified by the State Water Resources Control Board (SWRCB). 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 second quarter of 2015.

Figures summarizing the results from the second quarter 2015 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 second 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.

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

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 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-13 and MW-16 with disposable bailers due to insufficient water available to use the dedicated pumps to purge the wells with a lowered aquifer.)

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 second quarter 2015 sampling event, concentrations of perchlorate in excess of the state maximum contaminant level (MCL) (6.0 micrograms per liter [µg/L]) were reported in samples collected from wells MW-7 (7.4 µg/L), MW-13 (1,500 µg/L) and MW-24 (Screen 1 [66.0 µg/L]).
- Perchlorate was detected below the state MCL (6.0 µg/L) in MW-16 at an estimated concentration (indicated by "J") of 2.5J µg/L and at MW-24 (Screen 2 [4.1 µg/L]). No other perchlorate detections occurred in the on-facility source area wells during the second quarter 2015.
- Perchlorate concentrations increased from their respective last sampling date to the second quarter 2015 in MW-13 (4.9 µg/L to 1,500 µg/L), MW-16 (non-detect to 2.5J µg/L) and MW-24 (Screen 2 [3.3 µg/L to 4.1 µg/L]).
- Perchlorate concentrations decreased from their respective last sampling event to the second quarter 2015 in MW-7 (750 µg/L to 7.4 µg/L) and MW-24 (Screen 1 [100 µg/L to 66.0 µg/L]).
- The perchlorate concentration of 1,500 µg/L during the second quarter 2015 in MW-13 is the highest detection in this well since a detection of 2,100 µg/L (third quarter 2006). Perchlorate detections in this well have been above the state MCL (6.0 µg/L) since the second quarter 2001

with only three exceptions (first quarter 2008 [3.6 µg/L], first quarter 2010 [5.0 µg/L] and first quarter 2015 [4.9 µg/L]). Perchlorate concentrations observed in this well have been highly variable over the last nine years. Examples of this variability have occurred from third quarter 2006 to first quarter 2008 (2,100 µg/L to 3.6 µg/L, respectively), third quarter 2008 to first quarter 2009 (748 µg/L to 13.9 µg/L, respectively), third quarter 2009 to first quarter 2010 (1,110 µg/L to 5.0 µg/L, respectively), second quarter 2010 to second quarter 2011 (1,200 µg/L to 81.8 µg/L, respectively), and first quarter 2013 to first quarter 2015 (1,400 µg/L to 4.9 µg/L, respectively). This oscillating pattern is presented in the MW-13 perchlorate concentrations time-series plot in Attachment 6. Perchlorate concentrations will continue to be closely evaluated during subsequent sampling events.

- Perchlorate concentrations in MW-24 (Screens 3, 4 and 5) were non-detect during the second quarter 2015, with a reporting limit of 4.0 µg/L.

VOC ANALYTICAL RESULTS

- During the second quarter 2015, carbon tetrachloride was not detected in any of the on-facility source area wells with a reporting limit of 0.5 µg/L.
- During the second quarter 2015, TCE was not detected in any of the on-facility source area wells with a reporting limit of 0.5 µg/L.
- During the second quarter 2015, PCE was detected below the state and federal MCL of 5.0 µg/L in MW-13 (0.3J µg/L) and MW-24 (Screen 2 [0.2J µg/L]).

OTHER NOTABLE ANALYTICAL RESULTS

- During the second quarter 2015, Cr(VI)[2] was detected below the state MCL of 10.0 µg/L in MW-7 (7.0J µg/L), MW-16 (4.0 µg/L) and MW-24 (Screen 2 [1.0J µg/L]).
- During the second quarter 2015, total chromium was above the state MCL of 50.0 µg/L in well MW-7 (83.0 µg/L) and below the state MCL of 50.0 µg/L in MW-24 (Screen 1 [10.0 µg/L]). Total chromium results in the on-facility source area wells will continue to be closely evaluated during subsequent sampling events.
- In the October 2014 technical memorandum,[3] it was recommended that metals analysis would not be performed on the shallow standpipe wells when there was insufficient water for purging. As a result, samples were not collected and analyzed for metals in MW-13 and MW-16 during the second quarter 2015 due to insufficient water for purging.

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 second quarter 2015, perchlorate was detected above the state MCL of 6.0 µg/L in MW-8 (71.0 µg/L).

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

[3] NASA. 2014. *Technical Memorandum Third Quarter 2014 Groundwater Monitoring Summary, National Aeronautics and Space Administration Jet Propulsion Laboratory, Pasadena, California*. October.

- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-6 (2.9J µg/L), MW-22 (Screens 1 through 3 [3.1J µg/L, 3.0J µg/L and 1.9J µg/L, respectively]) and MW-23 (Screens 1 through 3 [3.9J µg/L, 1.8J µg/L and 3.2J µg/L, respectively]).
- Perchlorate concentrations increased from their respective last sampling event to the second quarter 2015 in MW-6 (2.8J µg/L to 2.9J µg/L), MW-8 (7.0 µg/L to 71.0 µg/L), MW-22 (Screens 1 through 3 [2.9J µg/L to 3.1J µg/L, 2.9J µg/L to 3.0J µg/L and 1.8J µg/L to 1.9J µg/L, respectively]) and MW-23 (Screen 1 [3.0J µg/L to 3.9 µg/L]).
- Perchlorate concentrations decreased slightly from their respective last sampling event to the second quarter 2015 in MW-22 (Screen 4 [1.1J µg/L to non-detect]) and MW-23 (Screens 2 [4.1J µg/L to 1.8J µg/L] and 4 [1.1J µg/L to non-detect]).
- During the second quarter 2015, perchlorate was not detected in MW-11 (Screens 1 through 5), MW-22 (Screens 4 and 5) and MW-23 (Screens 4 and 5) with a reporting limit of 4.0 µg/L.

VOC Analytical Results

- During the second quarter 2015, carbon tetrachloride was not detected in any of the other on-facility wells with a reporting limit of 0.5 µg/L.
- During the second quarter 2015, TCE was detected below the state and federal MCL of 5.0 µg/L in MW-6 (3.8 µg/L), MW-11 (Screen 3 [0.1J µg/L]), MW-22 (Screen 1 [1.5 µg/L]) and MW-23 (Screens 1 [4.5 µg/L] and 2 [1.7 µg/L]).
- During the second quarter 2015, PCE was detected below the state and federal MCL for PCE (5.0 µg/L) in MW-6 (0.9 µg/L), MW-22 (Screens 1 [0.3J µg/L] and 2 [0.1J µg/L]) and MW-23 (Screens 1 [0.7 µg/L] and 2 [0.5 µg/L]).

Other Notable Analytical Results

- During the second quarter 2015, Cr(VI)[2] was detected below the state MCL of 10.0 µg/L in MW-6 (2.0J µg/L), MW-8 (5.0J µg/L), MW-22 (Screen 2 [1.0J µg/L]) and MW-23 (Screens 1 [2.0J µg/L], 3 [2.0J µg/L] and 4 [2.0J µg/L]).
- During the second quarter 2015, total chromium was detected in MW-6 (820 µg/L), MW-8 (7.6 µg/L), MW-22 (Screen 2 [1.7J µg/L]) and MW-23 (Screens 1 through 3 [1.3J µg/L, 1.3J µg/L and 3.4 µg/L, respectively]); however, only the detection of 820 µg/L in MW-6 was above the state and federal MCL (50 µg/L). The detection of total chromium in well MW-6 during the second quarter 2015 was the highest concentration that has been observed in samples from MW-6. Total chromium has been detected at or above the state MCL of 50.0 µg/L nine times (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], fourth quarter 2014 [270 µg/L], first quarter 2015 [78.0 µg/L] and second quarter 2015 [820 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.

Perimeter Off-facility Wells

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

PERCHLORATE ANALYTICAL RESULTS

- During the second quarter 2015 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 [33.0 µg/L]), MW-4 (Screen 2 [7.2 µg/L]) and MW-14 (Screen 3 [6.0 µg/L]).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-5 (4.1 µg/L), MW-10 (4.8 µg/L), MW-12 (Screens 2 [1.9J µg/L], 4 [3.3J µg/L] and 5 [2.5J µg/L]) and MW-14 (Screens 1 [3.5 µg/L], 2 [4.0 µg/L] and 4 [4.4 µg/L]).
- Perchlorate concentrations increased from their respective last sampling date to the second quarter 2015 in MW-3 (Screen 2 [12.0 µg/L to 33.0 µg/L]), MW-4 (Screen 2 [5.9 µg/L to 7.2 µg/L]), MW-5 (3.9J µg/L to 4.1 µg/L), MW-10 (4.3J µg/L to 4.8 µg/L), MW-12 (Screens 4 [2.6J µg/L to 3.3J µg/L] and 5 [2.1J µg/L to 2.5J µg/L]) and MW-14 (Screens 1 [3.2J µg/L to 3.5 µg/L] and 2 [3.1J µg/L to 4.0 µg/L]).
- Perchlorate concentrations decreased slightly from their last sampling event to the second quarter 2015 in MW-14 (Screens 3 through 5 [6.6 µg/L to 6.0 µg/L, 4.5 µg/L to 4.4 µg/L and 1.6J µg/L to non-detect, respectively]).
- The perchlorate detection of 33.0 µg/L in MW-3 (Screen 2) in the second quarter 2015 is the fifth consecutive detection above the state MCL (6.0 µg/L) since the second quarter 2014. MW-3 is within the capture zone of the Monk Hill Treatment System (MHTS).
- The perchlorate concentration of 7.2 µg/L in MW-4 (Screen 2) continues to be down from the high detection of 250 µg/L (third quarter 2013). MW-4 is within the capture zone of the MHTS.
- During the second quarter 2015, perchlorate was not detected in MW-1, MW-3 (Screens 1, 3, 4 and 5), MW-4 (Screens 1, 3, 4 and 5), MW-9, MW-12 (Screens 1 and 3), MW-14 (Screen 5) and MW-15 with a reporting limit of 4.0 µg/L.

VOC ANALYTICAL RESULTS

- During the second quarter 2015, carbon tetrachloride was detected above the state MCL (0.5 µg/L) in MW-12 (Screen 4 [2.0 µg/L] and below the state MCL (0.5 µg/L) in MW-12 (Screen 5 [0.3J µg/L]). No other carbon tetrachloride detections occurred in the perimeter off-facility wells during the second quarter 2015.
- During the second quarter 2015, TCE was detected in wells MW-4 (Screens 2 through 4 [1.3 µg/L, 0.4J µg/L and 0.3J µg/L, respectively]), MW-5 (1.3 µg/L), MW-10 (6.8 µg/L), MW-12 (Screens 3 [0.3J µg/L] and 4 [0.5 µg/L]) and MW-14 (Screens 1 through 4 [1.1 µg/L, 3.9 µg/L, 1.5 µg/L and 0.2J µg/L, respectively]); however, only the detection of 6.8 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 second quarter 2015.
- During the second quarter 2015, PCE was detected below the state and federal MCL (5.0 µg/L) in wells MW-3 (Screens 3 through 5 [0.2J µg/L, 0.2J µg/L and 0.2J µg/L, respectively]), MW-4 (Screen 2 [0.3J µg/L]), MW-5 (0.3J µg/L), MW-10 (0.7 µg/L) and MW-14 (Screens 1 through 3 [0.1J µg/L, 0.6 µg/L and 0.8 µg/L, respectively]). No other PCE detections occurred in the perimeter off-facility wells during the second quarter 2015.

OTHER NOTABLE ANALYTICAL RESULTS

- During the second quarter 2015, Cr(VI)[2] was detected below the state MCL of 10.0 µg/L in MW-12 (Screen 5 [1.0J µg/L]) and MW-14 (Screen 4 [1.0J µg/L]). No other Cr(VI)[2] detections occurred in the perimeter off-facility wells during the second quarter 2015.

- During the second quarter 2015, total chromium was detected below the state MCL of 50.0 µg/L in MW-3 (Screens 2 through 5 [0.6J µg/L, 2.3J µg/L, 10.0 µg/L and 24.0 µg/L, respectively]), MW-4 (Screen 2 [8.3 µg/L]), MW-10 (3.4 µg/L), MW-12 (Screens 2 [0.7J µg/L] and 5 [0.9J µg/L]) and MW-14 (Screens 1 [24.0 µg/L] and 2 [0.7J µg/L]). No other total chromium detections occurred in the perimeter off-facility wells during the second quarter 2015.

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.

PERCHLORATE ANALYTICAL RESULTS

- During the second quarter 2015 sampling event, concentrations of perchlorate in excess of the state MCL (6.0 µg/L) were reported in samples collected from wells MW-18 (Screens 3 [20.0 µg/L] and 4 [13.0 µg/L]) and MW-25 (Screens 1 through 4 [9.3 µg/L, 14.0 µg/L, 11.0 µg/L and 9.3 µg/L, respectively]).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-17 (Screens 3 [5.8 µg/L] and 4 [1.4J µg/L]), MW-19 (Screens 2 through 5 [5.0 µg/L, 4.1 µg/L, 2.3J µg/L, and 2.8J µg/L, respectively]), MW-21 (Screens 2 through 5 [2.8J µg/L, 3.8J µg/L, 2.5J µg/L and 1.7J µg/L, respectively]) and MW-26 (Screens 1 [2.9J µg/L] and 2 [2.6J µg/L]).
- Perchlorate concentrations increased from their respective last sampling event to the second quarter 2015 in MW-18 (Screen 3 [14.0 µg/L to 20.0 µg/L]), MW-19 (Screens 3 [3.9J µg/L to 4.1 µg/L] and 5 [2.7J µg/L to 2.8J µg/L]), MW-21 (Screens 2 through 4 [1.6J µg/L to 2.8J µg/L, 3.8J µg/L to 3.8J µg/L and 2.2J µg/L to 2.5J µg/L, respectively]), MW-25 (Screen 3 [10.0 µg/L to 11.0 µg/L]) and MW-26 (Screen 2 [2.3J µg/L to 2.6J µg/L]).
- The perchlorate concentration decreased from its respective last sampling event to the second quarter 2015 in MW-17 (Screens 3 [6.3 µg/L to 5.8 µg/L] and 4 [3.0J µg/L to 1.4J µg/L]), MW-18 (Screen 4 [14.0 µg/L 13.0 µg/L]), MW-19 (Screens 2 [5.2 µg/L to 5.0 µg/L] and 4 [3.5J µg/L to 2.3J µg/L]), MW-20 (Screen 2 [7.0 µg/L to non-detect]), MW-21 (Screen 5 [2.4J µg/L to 1.7J µg/L]), MW-25 (Screens 1 [9.5 µg/L to 9.3], 2 [15.0 µg/L to 14.0 µg/L] and 4 [10.0 µg/L to 9.3 µg/L]).
- The perchlorate concentration of 1.4J µg/L in MW-17 (Screen 4) is the second detection below 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.
- Concentrations of perchlorate were not detected in MW-17 (Screens 1, 2 and 5), MW-18 (Screens 2 and 5), MW-19 (Screen 1), MW-20 (Screens 2 through 5) and MW-25 (Screen 5) with a reporting limit of 4.0 µg/L.

VOC ANALYTICAL RESULTS

- During the second quarter 2015, carbon tetrachloride was detected above the state MCL (0.5 µg/L) in MW-18 (Screens 3 [4.4 µg/L] and 4 [1.9 µg/L]). No other carbon tetrachloride detections occurred in the off-facility wells during the second quarter 2015.
- 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]).
- During the second quarter 2015, TCE was detected in MW-17 (Screens 2, 3 and 4), MW-18 (Screens 3 and 4), MW-19 (Screens 2 and 3), MW-20 (Screens 2 and 3), MW-21 (Screens 2 and 4), 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).
- During the second quarter 2015, PCE was detected in MW-17 (Screens 2 and 3), MW-18 (Screens 3 and 4), MW-19 (Screens 2 through 5), MW-20 (Screens 2 and 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).

OTHER NOTABLE ANALYTICAL RESULTS

- During the second quarter 2015, Cr(VI)[2] was detected below the state MCL of 10.0 µg/L in MW-18 (Screen 3 [2.0J µg/L]), MW-19 (Screen 3 [2.0J µg/L]), MW-21 (Screens 4 [1.0J µg/L] and 5 [1.0J µg/L]) and MW-25 (Screens 2 [1.0J µg/L] and 3 [2.0J µg/L]).
- During the second quarter 2015, total chromium was detected below the state MCL of 50.0 µg/L in MW-17 (Screens 4 [0.7J µg/L] and 5 [0.7J µg/L] and MW-25 (Screens 3 through 5 [1.7 µg/L, 1.5J µg/L and 0.5J µg/L, respectively]).

ALL WELL CATEGORIES (OTHER RESULTS)

- Comparing the first quarter 2015 to the second quarter 2015, groundwater elevations increased by an average of approximately 3.94 ft.
- The uppermost sampling ports (i.e., Screen 1) in multi-port monitoring wells MW-18, MW-20 and MW-21 were dry and could not be sampled during the second quarter. This is the fourth consecutive quarter in which MW-20 (Screen 1) and MW-21 (Screen 1) were dry. This is the seventh consecutive quarter in which MW-18 (Screen 1) was dry.
- Monitoring wells 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 and seventh consecutive quarter in which grab samples were collected at MW-13 and MW-16, respectively.
- Groundwater elevations recorded in the JPL monitoring wells showed a steady decline from the first and second quarters of 2011 through the fourth quarter of 2014 when they approached and/or exceeded historic lows last recorded in 1996 and 1997. As noted above, groundwater elevations increased by an average of 3.94 ft between the first quarter 2015 and the second quarter 2015; however, they still remain approximately 64.00 ft below the first and second quarter 2011 elevations. Groundwater elevations will be closely monitored as California continues to face one of the most severe droughts on record.
- Groundwater level measurements collected during the second quarter 2015 indicate that groundwater gradients and flow directions are generally consistent with previous observations (see Figure 8).

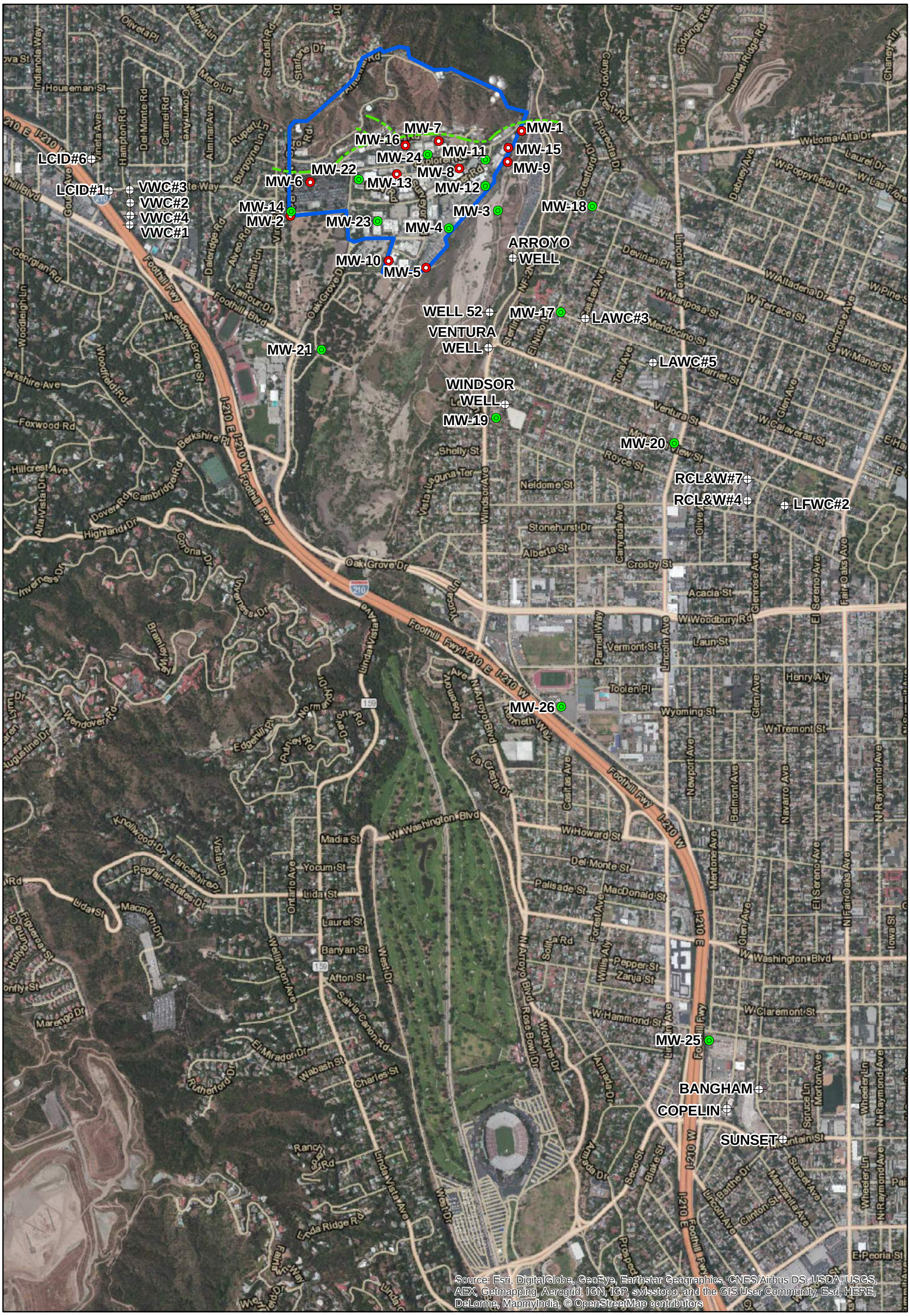
ATTACHMENTS

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

FIGURES



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0 490 980 1,470
Feet

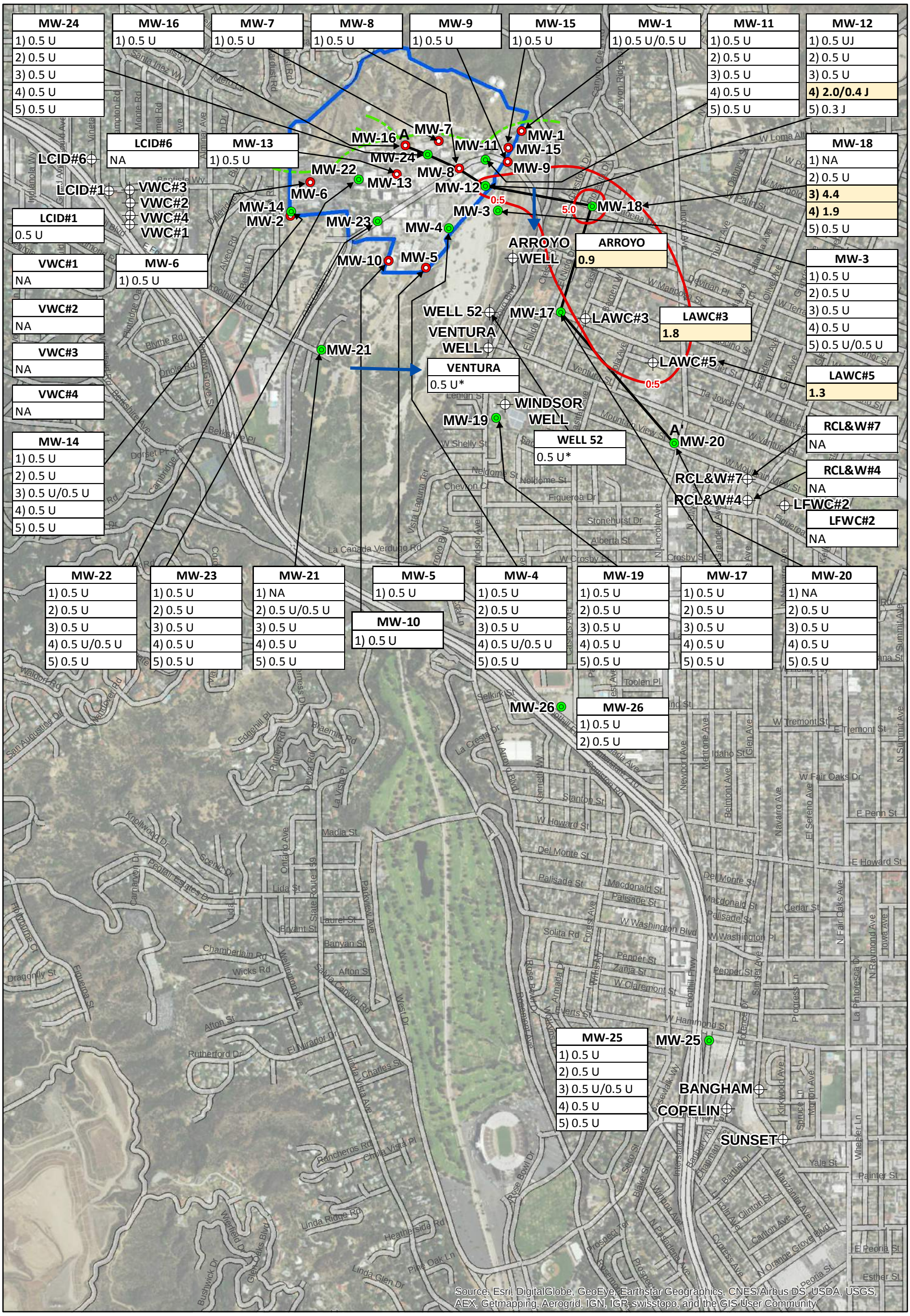
Legend

- JPL Facility Boundary
- Approximate Location of Thrust Fault
- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well

TIDEWATER INC
ENGINEERS / SCIENTISTS / PROGRAM MANAGERS

Locations of JPL Groundwater Monitoring Wells and Nearby Municipal Production Wells

DESIGNED BY JHG	JPL - Pasadena, CA	Figure 1
DRAWN BY JHG	Contract No: W912PL-13-D-0018 TO 001	June 2015
CHECKED BY DC		



Legend

- JPL Facility Boundary
- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well
- NA — Not Analyzed
- Cross-Section Transect A-A'
- Concentration Contour Line (µg/L)
- Approximate Location of Thrust Fault
- Groundwater Flow Direction

J — Detectable Estimated Value

U — Non Detectable Estimated Value

* — Data from February 2015

Notes:

Concentrations reported in µg/L.
Highlighted exceed the state maximum contamination level (0.5 µg/L)

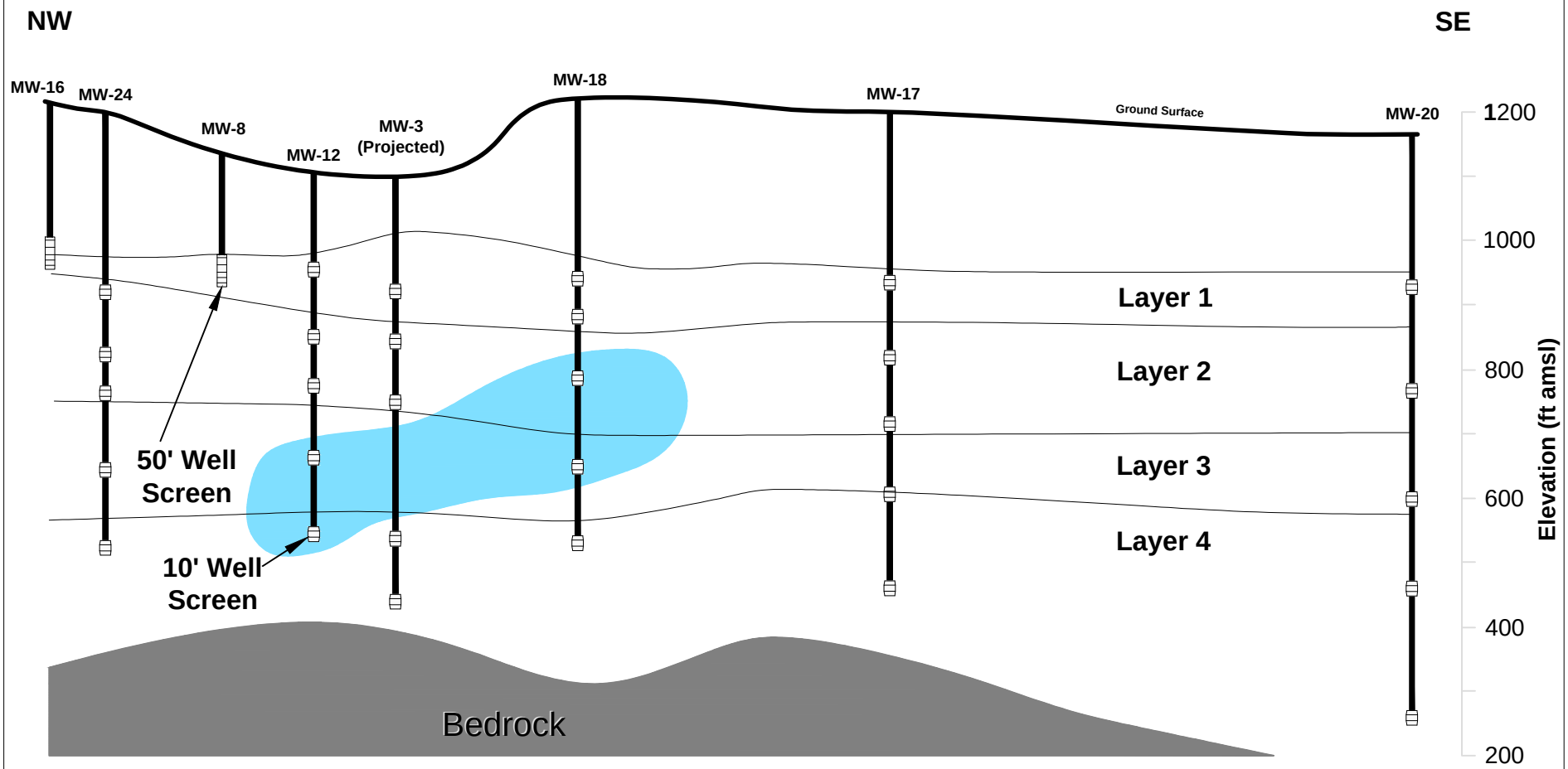
N W E S

0 500 1,000 1,500 Feet

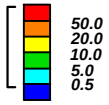
TIDEWATER INC
ENGINEERS / SCIENTISTS / PROGRAM MANAGERS

Carbon Tetrachloride in Groundwater
April/May 2015

DESIGNED BY JHG	JPL - Pasadena, CA	Figure 2
DRAWN BY JHG	Contract No: W912PL-13-D-0018 TO 001	June 2015
CHECKED BY DC		



Note: Concentrations are Reported in µg/L



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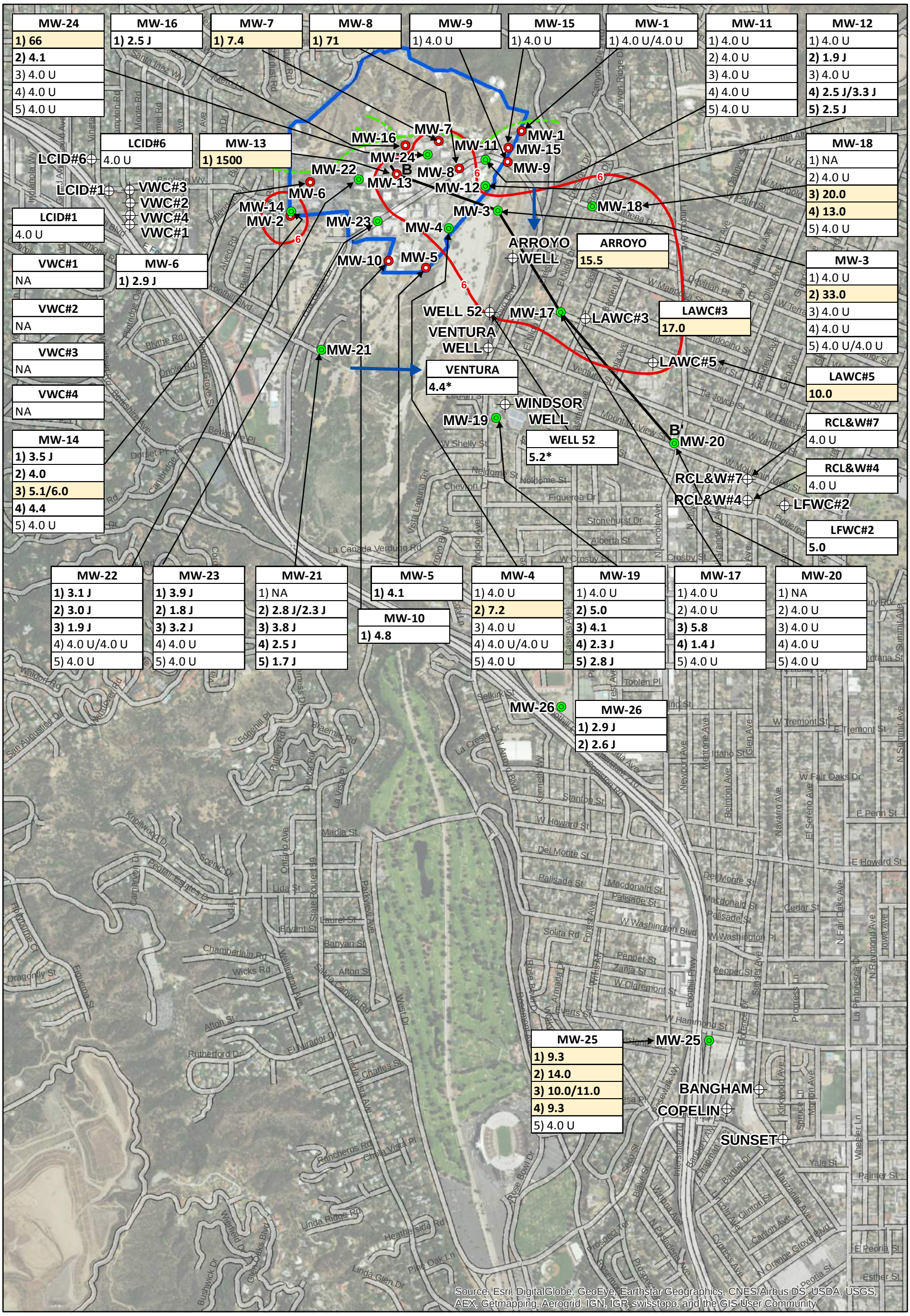
HORIZONTAL SCALE
IN FEET
(Approximate)

TIDEWATER INC
ENGINEERS / SCIENTISTS / PROGRAM MANAGERS

Horizontal and Vertical Extent
of Carbon Tetrachloride in Groundwater
April/May 2015

DESIGNED BY JHG DRAWN BY JHG CHECKED BY DC	JPL - Pasadena, CA Contract No: W912PL-13-D-0018 TO 001	Figure 3 June 2015



Legend

- JPL Facility Boundary
- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well
- NA Not Analyzed
- Concentration Contour Line (µg/L)
- SectionBB'
- Approximate Location of Thrust Fault
- Groundwater Flow Direction
- J Detectable Estimated Value
- U Non Detectable Estimated Value
- * Data from February 2015

N W E S

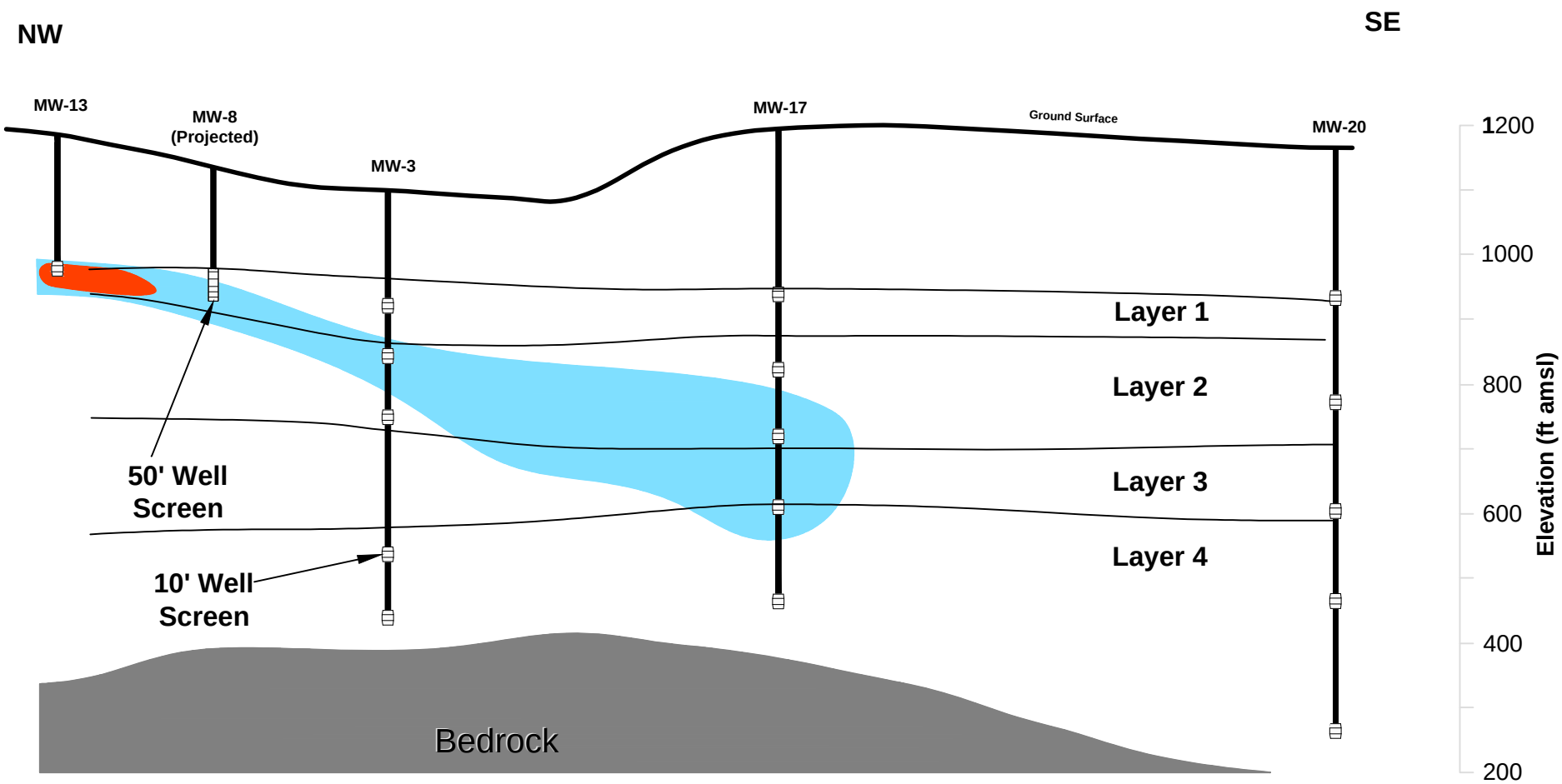
0 500 1,000 1,500 Feet

Notes:
Concentrations reported in µg/L.
Highlighted exceed the state maximum contamination level (6 µg/L)

TIDEWATER INC
ENGINEERS / SCIENTISTS / PROGRAM MANAGERS

Perchlorate in Groundwater
April/May 2015

DESIGNED BY JHG	JPL - Pasadena, CA	Figure 4
DRAWN BY JHG	Contract No: W912PL-13-D-0018 TO 001	June 2015
CHECKED BY DC		



Note: Concentrations are Reported in µg/L

1000.0
500.0
200.0
100.0
6.0

Z exag: 3.0

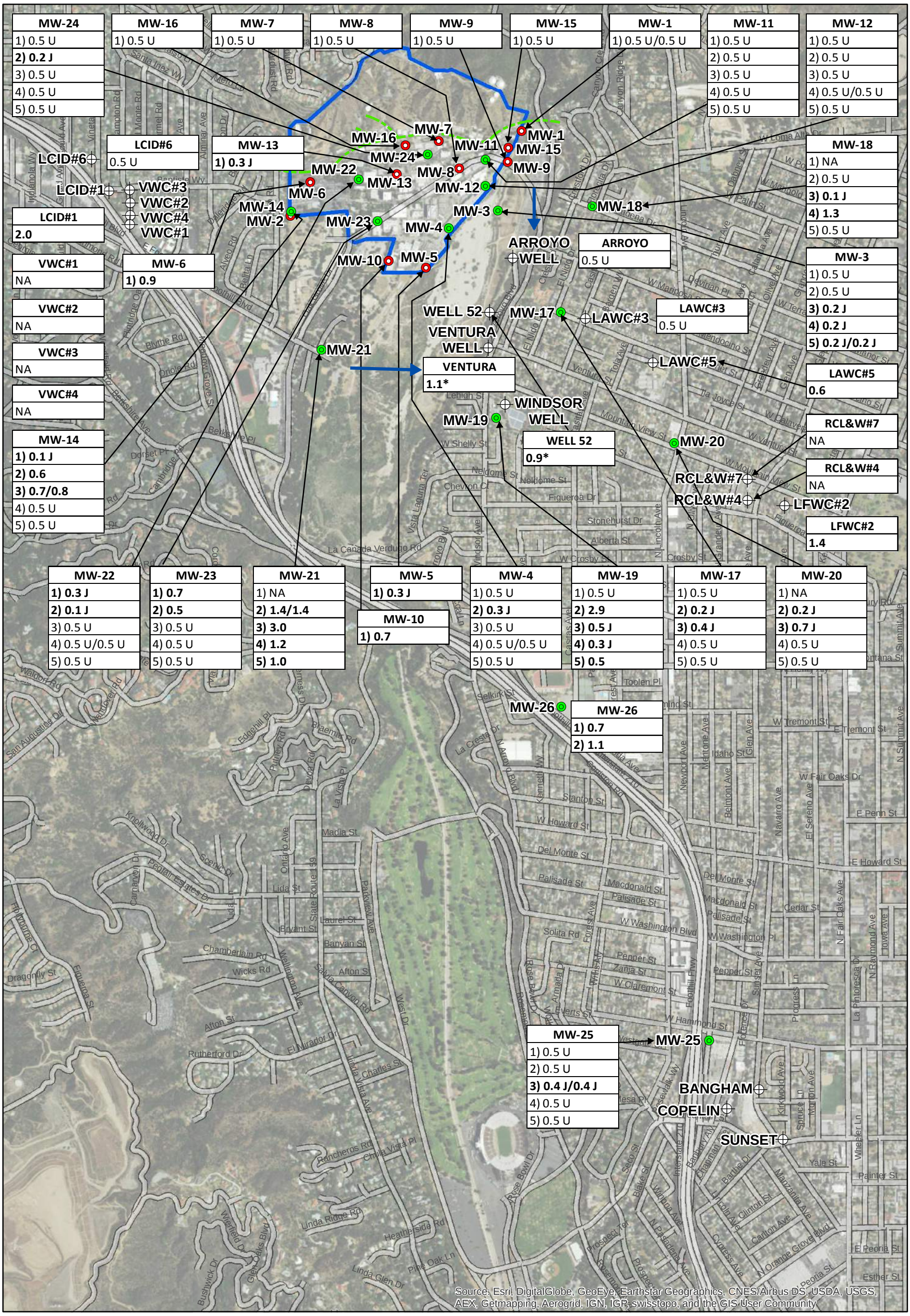
0 500 1000

HORIZONTAL SCALE
IN FEET
(Approximate)

TIDEWATER INC
ENGINEERS / SCIENTISTS / PROGRAM MANAGERS

Horizontal and Vertical Extent
of Perchlorate in Groundwater
April/May 2015

DESIGNED BY JHG DRAWN BY JHG CHECKED BY DC	JPL - Pasadena, CA Contract No: W912PL-13-D-0018 TO 001	Figure 5 June 2015



Legend

- JPL Facility Boundary
- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well
- NA — Not Analyzed
- Approximate Location of Thrust Fault
- Concentration Contour Line (µg/L)
- Groundwater Flow Direction
- U — Non Detectable Estimated Value
- J — Detectable Estimated Value
- * — Data from February 2015

N W E S

0 500 1,000 1,500 Feet

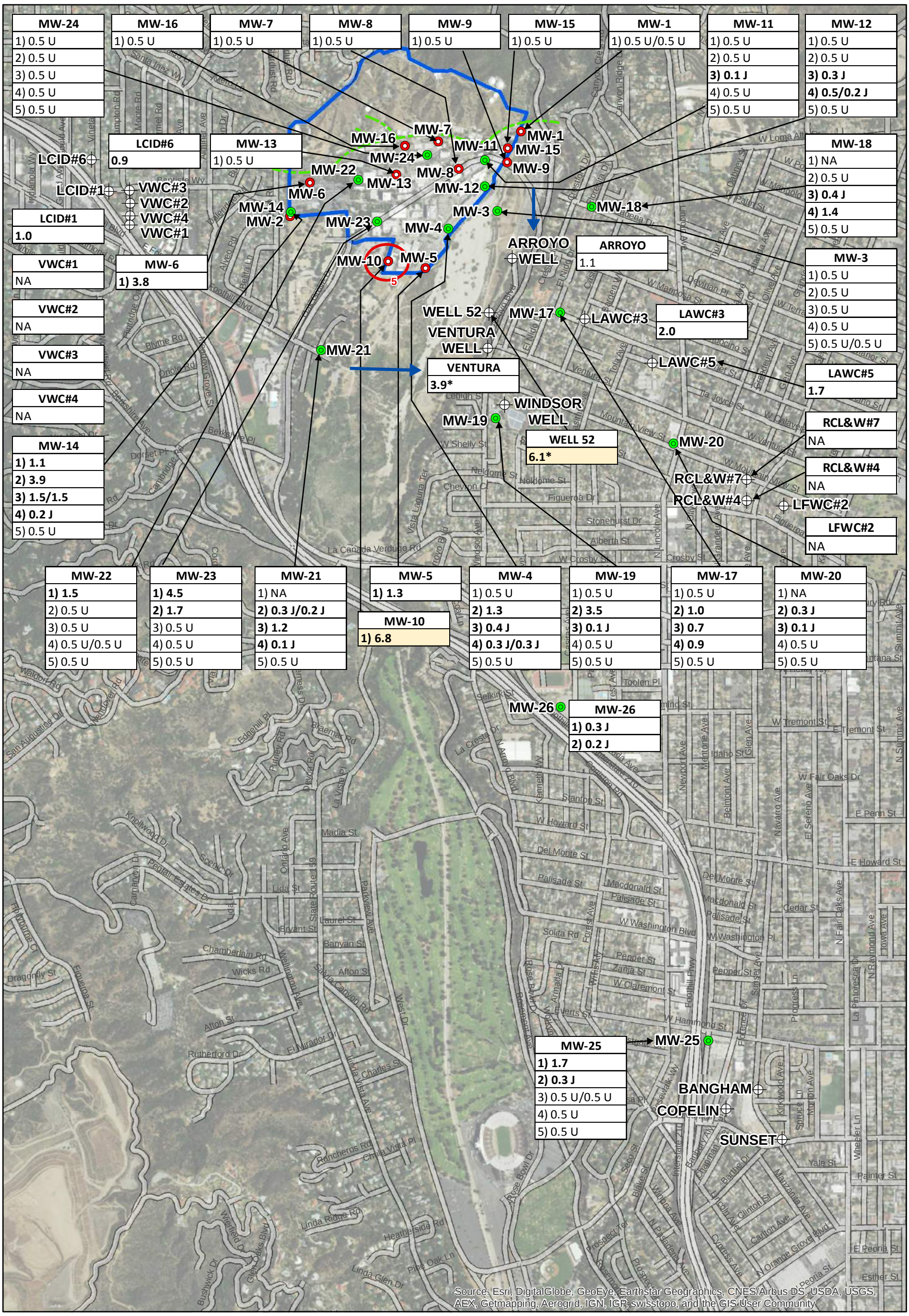
Notes:

Concentrations reported in µg/L.
Highlighted exceed the state maximum contamination level (5 µg/L)

TIDEWATER INC
ENGINEERS / SCIENTISTS / PROGRAM MANAGERS

Tetrachloroethene (PCE) in Groundwater
April/May 2015

DESIGNED BY JHG	JPL - Pasadena, CA	Figure 6
DRAWN BY JHG	Contract No: W912PL-13-D-0018 TO 001	June 2015
CHECKED BY DC		



Legend

- JPL Facility Boundary
- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well
- NA Not Analyzed
- Approximate Location of Thrust Fault
- Concentration Contour Line (µg/L)
- Groundwater Flow Direction
- J Detectable Estimated Value
- U Non Detectable Estimated Value
- * Data from February 2015

N W E S

0 500 1,000 1,500 Feet

Notes:
Concentrations reported in µg/L.
Highlighted exceed the state maximum contamination level (5 µg/L)

TIDEWATER INC
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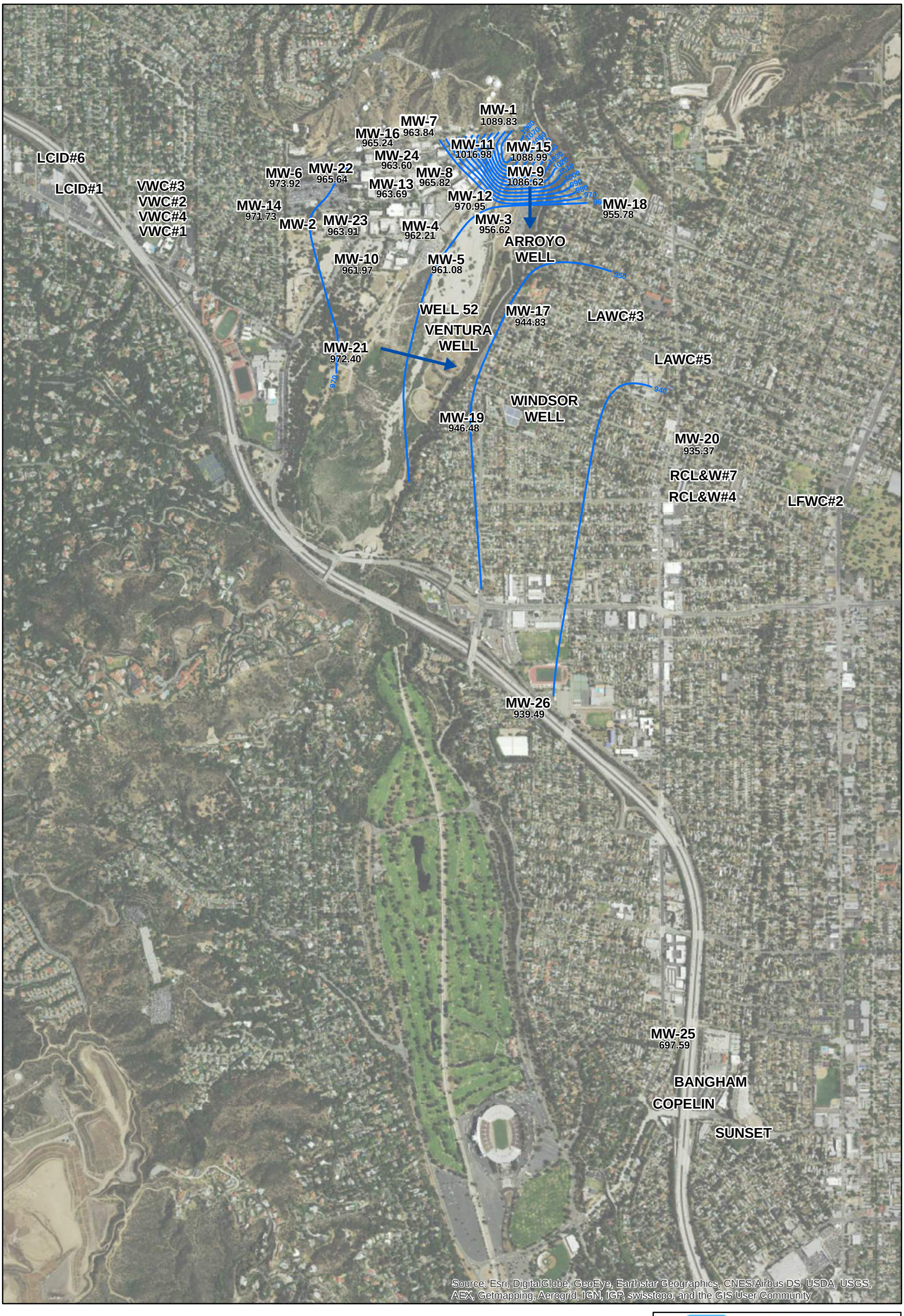
Trichloroethene (TCE) in Groundwater
April/May 2015

DESIGNED BY JHG	JPL - Pasadena, CA	Figure 7
DRAWN BY JHG	Contract No: W912PL-13-D-0018 TO 001	June 2015
CHECKED BY DC		



Legend

- JPL Facility Boundary
- Shallow Monitoring Well Location
- Deep Multi-Port Monitoring Well Location
- Municipal Production Well
- Approximate Location of Thrust Fault
- Groundwater Elevation Contour (ft amsl)
- Groundwater Flow Direction

N W E S

0 500 1,000 1,500 Feet

TIDEWATER INC
ENGINEERS / SCIENTISTS / PROGRAM MANAGERS

Groundwater Elevation Contours
April, 2015

DESIGNED BY JHG	JPL - Pasadena, CA	Figure 8
DRAWN BY JHG	Contract No: W912PL-13-D-0018 TO 001	April 2015
CHECKED BY DC		

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	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-1	April/May 2015	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	April/May 2015	Dup-8-2Q15	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 1	April/May 2015	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	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 2	Jan/Feb 2015	MW-3-2	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**	**12.0**		
MW-3 Screen 2	April/May 2015	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**	**33.0**	**Bromodichloromethane**	**0.4 J**
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 3	Jan/Feb 2015	MW-3-3	0.5 UJ	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	April/May 2015	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	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 4	Jan/Feb 2015	MW-3-4	0.5 UJ	**0.1 J**	**0.3 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3 Screen 4	April/May 2015	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	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-3 Screen 5	April/May 2015	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	April/May 2015	DUP-6-2Q15	0.5 U	0.5 U	**0.2 J**	**0.1 J**	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 1	Jan/Feb 2015	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	April/May 2015	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		

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	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** **Dibromochloromethane**	**0.4 J** **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 2	Jan/Feb 2015	MW-4-2	0.5 U	**1.4**	**0.4 J**	**0.1 J**	**0.1 J**	0.5 U	0.5 U	**0.4 J**	**5.9**		
MW-4 Screen 2	April/May 2015	MW-4-2	0.5 U	**1.3**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**7.2**		
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 3	Jan/Feb 2015	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	4.0 U		
MW-4 Screen 3	April/May 2015	MW-4-3	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	**Ethylbenzene** **Styrene**	**0.5 J** **0.5**
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 4	April/May 2015	MW-4-4	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Ethylbenzene** **Styrene** **Toluene**	**0.6** **0.6** **0.1 J**
MW-4 Screen 4	April/May 2015	DUP-2-2Q15	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Ethylbenzene** **Styrene** **Toluene**	**0.5** **0.6** **0.2 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-4 Screen 5	April/May 2015	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	**Ethylbenzene** **Styrene** **Toluene**	**0.5 J** **0.5 J** **0.2 J**
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-5	Jan/Feb 2015	MW-5	0.5 U	**3.6**	**0.5 J**	**0.1 J**	0.5 U	0.5 U	0.5 U	**0.5**	**3.9 J**		
MW-5	April/May 2015	MW-5	0.5 U	**1.3**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**4.1**		
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** **trans-1,2-Dichloroethene**	**0.1 J** **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-6	Jan/Feb 2015	MW-6	0.5 U	**4.4**	**1.1**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.8**	**2.1 J**	**trans-1,2-Dichloroethene**	**0.3 J**
MW-6	Jan/Feb 2015	Dup-4-1Q15	0.5 U	**4.2**	**1.0**	**0.3 J**	0.5 U	0.5 U	0.5 U	**0.8**	**2.8 J**	**trans-1,2-Dichloroethene**	**0.3 J**
MW-6	April/May 2015	MW-6	0.5 U	**3.8**	**0.9**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.7**	**2.9 J**	**cis-1,2-Dichloroethene** **trans-1,2-Dichloroethene**	**0.1 J** **0.2 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-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**		
MW-7	Jan/Feb 2015	MW-7	0.5 U	**0.1 J**	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	**5.5**	**750.0**	**Bromodichloromethane**	**1.9**
MW-7	Jan/Feb 2015	DUP-7-1Q15	0.5 U	**0.1 J**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**5.6**	**740.0**	**Bromodichloromethane**	**1.9**
MW-7	April/May 2015	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.4**	**7.4**	**Bromodichloromethane**	**0.6**
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-8	Jan/Feb 15	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6.6**	**7.0**	**Bromodichloromethane**	**0.5 U**
MW-8	April/May 2015	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.1**	**71.0**	**Bromodichloromethane** **Trichlorofluoromethane**	**0.2 J** **0.2 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-9	April/May 2015	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	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** **trans-1,2-Dichloroethene**	**0.2 J** **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** **trans-1,2-Dichloroethene**	**0.3 J** **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** **trans-1,2-Dichloroethene**	**0.3 J** **0.4 J**
MW-10	Jan/Feb 2015	MW-10	0.5 U	**9.8**	**1.0**	**0.3 J**	0.5 U	0.5 U	0.5 U	**0.9**	**2.9 J**	**cis-1,2-Dichloroethene** **trans-1,2-Dichloroethene**	**0.4 J** **0.6**
MW-10	Jan/Feb 2015	MW-10	0.5 UJ	**9.2**	**1.0**	**0.3 J**	0.5 U	0.5 U	0.5 U	**0.9**	**4.3 J**	**cis-1,2-Dichloroethene** **trans-1,2-Dichloroethene**	**0.4 J** **0.6**
MW-10	April/May 2015	MW-10	0.5 U	**6.8**	**0.7**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.8**	**4.8**	**cis-1,2-Dichloroethene** **trans-1,2-Dichloroethene**	**0.2 J** **0.2 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 1	Jan/Feb 2015	MW-11-1	0.5 UJ	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	April/May 2015	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**	**0.2 J**
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 2	Jan/Feb 2015	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	April/May 2015	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	**Styrene**	**0.1 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**

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	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)**	**0.3 J**
												Styrene	**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 3	Jan/Feb 2015	MW-11-3	0.5 UJ	**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**	**0.5 J**
MW-11 Screen 3	April/May 2015	MW-11-3	0.5 U	**0.1 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	4.0 U	**Styrene**	**0.1 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**	**0.4 J**
												Styrene	**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**	**0.5 J**
												Styrene	**0.1 J**
MW-11 Screen 4	Jan/Feb 2015	MW-11-4	0.5 UJ	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	April/May 2015	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**	**0.5 J**
												Styrene	**0.2 J**
MW-11 Screen 5	Apr/May 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	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-11 Screen 5	April/May 2015	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-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 1	Jan/Feb 2015	MW-12-1	0.5 UJ	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	April/May 2015	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**	**0.1 J**
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 2	Jan/Feb 2015	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	**1.9 J**		
MW-12 Screen 2	April/May 2015	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	**1.9 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 3	Jan/Feb 2015	MW-12-3	**0.8**	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.7**	4.0 U		
MW-12 Screen 3	April/May 2015	MW-12-3	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	4.0 U	**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 4	Jan/Feb 2015	MW-12-4	**0.6**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	**2.6 J**		
MW-12 Screen 4	April/May 2015	MW-12-4	**2.0**	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**2.5 J**		
MW-12 Screen 4	April/May 2015	DUP-5-2Q15	**0.4 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5 J**	**3.3 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		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-12 Screen 5	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		
MW-12 Screen 5	Jan/Feb 2015	MW-12-5	0.4 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4	2.1 J		
MW-12 Screen 5	April/May 2015	MW-12-5	0.3 J	0.5 U	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-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-13	Jan/Feb 2015	MW-13	0.5 U	0.6	1.4	0.3 J	0.5 U	0.5 U	0.5 U	0.8	4.9	Methyl-tert-butyl ether (MTBE)	0.1 J
MW-13	April/May 2015	MW-13	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	1.5	1500.0		
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 1	Jan/Feb 2015	MW-14-1	0.5 U	2.6	0.4 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5	3.2 J	cis-1,2-Dichloroethene	0.1 J
MW-14 Screen 1	April/May 2015	MW-14-1	0.5 U	1.1	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.5 J	Methyl-tert-butyl ether (MTBE)	0.2 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 2	Jan/Feb 2015	MW-14-2	0.5 U	3.2	0.4 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5	3.1 J	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 2	April/May 2015	MW-14-2 MW-14-2	0.5 U	3.9	0.6	0.2 J	0.5 U	0.5 U	0.5 U	0.7	4.0	cis-1,2-Dichloroethene trans-1,2-Dichloroethene	0.2 J 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 3	Jan/Feb 2015	MW-14-3	0.5 U	2.2	1.0	0.4 J	0.5 U	0.5 U	0.5 U	0.7	6.6	cis-1,2-Dichloroethene	0.2 J
MW-14 Screen 3	April/May 2015	MW-14-3	0.5 U	1.5	0.7	0.2 J	0.5 U	0.5 U	0.5 U	0.5	5.1	1,2-Dichlorobenzene 1,2,3-Trichlorobenzene cis-1,2-Dichloroethene	0.1 J 0.3 J 0.2 J
MW-14 Screen 3	April/May 2015	DUP-1-2Q15	0.5 U	1.5	0.8	0.4 J	0.5 U	0.5 U	0.5 U	0.5	6.0	1,2-Dichlorobenzene 1,2,3-Trichlorobenzene cis-1,2-Dichloroethene	0.1 J 0.3 J 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 4	Jan/Feb 2015	MW-14-4	0.5 U	0.3 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	0.1 J
MW-14 Screen 4	April/May 2015	MW-14-4	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	4.4		
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		

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-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-14 Screen 5	Jan/Feb 2015	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**	**1.6 J**		
MW-14 Screen 5	April/May 2015	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	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-15	April/May 2015	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	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** **Bromoform** **Dibromochloromethane**	**6.7** **6.1** **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-16	Jan/Feb 2015	MW-16	**0.9**	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**3.0**	4.0 U		
MW-16	Jan/Feb 2015	DUP-6-1Q15	**1.0**	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**3.1**	4.0 U		
MW-16	April/May 2015	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.2**	**2.5 J**	**Bromodichloromethane** **Bromoform** **Dibromochloromethane**	**1.1** **1.1** **0.7**
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 1	April/May 2015	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	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 2	Jan/Feb 2015	MW-17-2	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		
MW-17 Screen 2	April/May 2015	MW-17-2	0.5 U	**1.0**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	4.0 U		
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 3	Jan/Feb 2015	MW-17-3	0.5 U	**0.5 J**	**0.4 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.3 J**	**6.3**		
MW-17 Screen 3	April/May 2015	MW-17-3	0.5 U	**0.7**	**0.4 J**	0.5 U	**0.2 J**	0.5 U	0.5 U	**0.3 J**	**5.8**		
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 4	Jan/Feb 2015	MW-17-4	0.5 U	**1.2**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**3.0 J**		
MW-17 Screen 4	April/May 2015	MW-17-4	0.5 U	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**1.4 J**		
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-17 Screen 5	April/May 2015	MW-17-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Styrene**	**0.1 J**
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		

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	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 2	Jan/Feb 2015	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	April/May 2015	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	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 3	Jan/Feb 2015	MW-18-3	**7.6**	**0.4 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**14.0**		
MW-18 Screen 3	April/May 2015	MW-18-3	**4.4**	**0.4 J**	**0.1 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**20.0**		
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 4	Jan/Feb 2015	MW-18-4	**1.4**	**1.0**	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	**14.0**		
MW-18 Screen 4	April/May 2015	MW-18-4	**1.9**	**1.4**	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**13.0**		
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-18 Screen 5	Jan/Feb 2015	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	April/May 2015	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-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 1	Jan/Feb 2015	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 J**	4.0 U		
MW-19 Screen 1	April/May 2015	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	4.0 U		
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 2	Jan/Feb 2015	MW-19-2	0.5 U	**1.2**	**1.3**	**0.3 J**	0.5 U	0.5 U	0.5 U	**1.1**	**5.2**	**Bromodichloromethane** **cis-1,2-Dichloroethene**	**0.3 J** **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-19 Screen 2	April/May 2015	MW-19-2	0.5 U	**3.5**	2.9	**0.4 J**	0.5 U	0.5 U	0.5 U	**2.1**	**5.0**	**1,2,3-Trichlorobenzene** **1,2-Dichlorobenzene** **1,3-Dichlorobenzene** **1,4-Dichlorobenzene** **Bromodichloromethane** **cis-1,2-Dichloroethene**	**0.2 J** **0.1 J** **0.2 J** **0.1 J** **0.2** **0.4 J**
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 3	Jan/Feb 2015	MW-19-3	0.5 U	**0.1 J**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**3.5 J**		
MW-19 Screen 3	Jan/Feb 2015	DUP-1-1Q15	0.5 U	**0.1 J**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**3.9 J**		
MW-19 Screen 3	April/May 2015	MW-19-3	0.5 U	**0.1 J**	**0.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**4.1**		
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 4	Jan/Feb 2015	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**	**3.5 J**		
MW-19 Screen 4	April/May 2015	MW-19-4	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.1 J**	**2.3 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-19 Screen 5	Jan/Feb 2015	MW-19-5	0.5 U	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**2.7 J**		
MW-19 Screen 5	April/May 2015	MW-19-5	0.5 U	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**2.8 J**	**Styrene**	**0.1 J**
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	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 2	Jan/Feb 2015	MW-20-2	0.5 U	**2.2**	**0.4 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.3 J**	**7.0**		
MW-20 Screen 2	April/May 2015	MW-20-2	0.5 U	**0.3 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	4.0 U	**Styrene**	**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** **Ethylbenzene** **Styrene**	**0.6 J** **0.1 J** **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** **Ethylbenzene** **Styrene**	**2.0 J** **0.2 J** **0.3 J**
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** **Carbon disulfide** **Ethylbenzene** **Styrene**	**1.8 J** **0.5 J** **0.1 J** **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	Jan/Feb 2015	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** **Carbon disulfide** **Ethylbenzene** **Styrene**	**2.4 J** **0.6 J** **0.1 J** **0.4 J**
MW-20 Screen 3	April/May 2015	MW-20-3	0.5 U	**0.1 J**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Ethylbenzene** **Styrene** **Toluene**	**0.2 J** **0.4 J** **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 4	Jan/Feb 2015	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	April/May 2015	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	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** **Styrene**	**0.4 J** **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** **Styrene**	**0.5 J** **0.2 J**
MW-20 Screen 5	Jan/Feb 2015	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	April/May 2015	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	**Acetone** **Carbon disulfide** **Styrene**	**8.2 J** **0.6 J** **0.3 J**
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	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 2	Jan/Feb 2015	MW-21-2	0.5 UJ	**0.3 J**	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**1.6 J**	**Methyl-tert-butyl ether (MTBE)**	**0.1 J**
MW-21 Screen 2	April/May 2015	MW-21-2	0.5 U	**0.3 J**	**1.4**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**2.8 J**		
MW-21 Screen 2	April/May 2015	DUP-7-2Q15	0.5 U	**0.2 J**	**1.4**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**2.3 J**	**Methyl-tert-butyl ether (MTBE)**	**0.1 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** **Methyl-tert-butyl ether (MTBE)**	**0.4 J** **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** **Methyl-tert-butyl ether (MTBE)**	**0.4 J** **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** **Methyl-tert-butyl ether (MTBE)**	**0.4 J** **0.2 J**
MW-21 Screen 3	Jan/Feb 2015	MW-21-3	0.5 UJ	**2.2**	**7.4**	**0.4 J**	0.5 U	0.5 U	0.5 U	**1.5**	**3.0 J**	**cis-1,2-Dichloroethene** **Methyl-tert-butyl ether (MTBE)**	**0.7** **0.3 J**
MW-21 Screen 3	April/May 2015	MW-21-3	0.5 U	**1.2**	**3.0**	**0.2 J**	0.5 U	0.5 U	0.5 U	**1.1**	**3.8 J**	**cis-1,2-Dichloroethene**	**0.4 J**
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**

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	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 4	Jan/Feb 2015	MW-21-4	0.5 UJ	**0.2 J**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	**6.1**	**2.2 J**		
MW-21 Screen 4	April/May 2015	MW-21-4	0.5 U	**0.1 J**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**7.7**	**2.5 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-21 Screen 5	Jan/Feb 2015	MW-21-5	0.5 UJ	**0.2 J**	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**7.2**	**2.4 J**		
MW-21 Screen 5	April/May 2015	MW-21-5	0.5 U	0.5 U	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	**7.0**	**1.7 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 1	Jan/Feb 2015	MW-22-1	0.5 U	**2.8**	**0.5**	**0.1 J**	0.5 U	0.5 U	0.5 U	**0.6**	**2.9 J**		
MW-22 Screen 1	April/May 2015	MW-22-1	0.5 U	**1.5**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**3.1 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 2	Jan/Feb 2015	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.1 J**	**2.9 J**		
MW-22 Screen 2	April/May 2015	MW-22-2	0.5 U	0.5 U	**0.1 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.0 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 3	Jan/Feb 2015	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	**1.8 J**		
MW-22 Screen 3	April/May 2015	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	**1.9 J**		
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 4	April/May 2015	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	April/May 2015	DUP-3-2Q15	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	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-22 Screen 5	April/May 2015	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	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 1	Jan/Feb 2015	MW-23-1	0.5 U	**4.2**	**0.6**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.7**	**3.0 J**	**cis-1,2-Dichloroethene** **Methyl-tert-butyl ether (MTBE)** **trans-1,2-Dichloroethene**	**0.2 J** **0.1 J** **0.2 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-23 Screen 1	April/May 2015	MW-23-1	0.5 U	**4.5**	**0.7**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.8**	**3.9 J**	**cis-1,2-Dichloroethene** **trans-1,2-Dichloroethene**	**0.2 J** **0.2 J**
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 2	April/May 2015	MW-23-2	0.5 U	**1.7**	**0.5**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.6**	**1.8 J**	**1,2,3-Trichlorobenzene**	**0.2 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 3	Jan/Feb 2015	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	**3.2 J**		
MW-23 Screen 3	April/May 2015	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	**3.2 J**		
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 4	April/May 2015	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 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** **Styrene**	**0.1 J** **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** **Styrene**	**0.1 J** **0.3 J**
MW-23 Screen 5	April/May 2015	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** **Styrene**	**0.1 J** **0.4 J**
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 1	Jan/Feb 2015	MW-24-1	**1.0**	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**3.5**	**100.0**		
MW-24 Screen 1	April/May 2015	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.3**	**66.0**		
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** **Chloromethane**	**0.8** **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 2	Jan/Feb 2015	MW-24-2	0.5 U	0.5 U	**0.2 J**	**0.2 J**	**0.2 J**	0.5 U	0.5 U	**0.5**	**3.3**	**Bromodichloromethane**	**0.4 J**
MW-24 Screen 2	April/May 2015	MW-24-2	0.5 U	0.5 U	**0.2 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.7**	**4.1**	**1,2-Dichlorobenzene** **Bromodichloromethane**	**0.1 J** **0.5 J**
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 3	Jan/Feb 2015	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 3	April/May 2015	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	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 4	April/May 2015	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**	**0.2 J** **0.3 J**
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-24 Screen 5	April/May 2015	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	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 1	Jan/Feb 2015	MW-25-1	0.5 UJ	**1.7**	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	April/May 2015	MW-25-1	0.5 U	**1.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5 J**	**9.3**	**Methyl-tert-butyl ether (MTBE)**	**0.3 J**
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 2	Jan/Feb 2015	MW-25-2	0.5 UJ	**0.3 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**15.0**		
MW-25 Screen 2	April/May 2015	MW-25-2	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**14.0**		
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 3	Jan/Feb 2015	MW-25-3	0.5 UJ	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**9.8**		
MW-25 Screen 3	April/May 2015	MW-25-3	0.5 U	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**10.0**		
MW-25 Screen 3	April/May 2015	DUP-4-2Q15	0.5 U	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**11.0**		
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 4	Jan/Feb 2015	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	April/May 2015	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	**9.3**		
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-25 Screen 5	Jan/Feb 2015	MW-25-5	0.5 UJ	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	April/May 2015	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	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**		
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**		

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	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 1	Jan/Feb 2015	MW-26-1	0.5 U	**0.6**	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**2.9 J**		
MW-26 Screen 1	Jan/Feb 2015	DUP-2-1Q15	0.5 U	**0.5**	**1.4**	**0.1 J**	0.5 U	0.5 U	0.5 U	**0.5 J**	**2.9 J**		
MW-26 Screen 1	April/May 2015	MW-26-1	0.5 U	**0.3 J**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**2.9 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** **cis-1,2-Dichloroethene**	**0.2 J** **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** **cis-1,2-Dichloroethene**	**0.2 J** **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**
MW-26 Screen 2	Jan/Feb 2015	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**	**2.3 J**	**cis-1,2-Dichloroethene**	**0.3 J**
MW-26 Screen 2	April/May 2015	MW-26-2	0.5 U	**0.2 J**	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**2.6 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		

Notes

DUPE	Field Duplicate
NA	Not analyzed
NE	Not established
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
B	Analyte is present in method blank
E	Analyte concentration is above calibration range
J	Analyte concentration is an estimated value
U	Analyte was analyzed for but not detected at or above the stated limit
UB	Analyte was analyzed for but not detected; analyte is present in method blank
UJ	Analyte was analyzed for but not detected; analyte concentration is an estimated value

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	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-1	April/May 2015	MW-1	**1.0 J**	1.000 U	1.0 U	0.002 U
MW-1	April/May 2015	Dup-8-2Q15	2.0 U	**1.000**	1.2 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 1	April/May 2015	MW-3-1	2.0 U	1.000 U	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 2	Jan/Feb 2015	MW-3-2	NA	NA	3.0 U	0.002 U
MW-3 Screen 2	April/May 2015	MW-3-2	2.0 U	1.000 U	**0.6 J**	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 3	Jan/Feb 2015	MW-3-3	NA	NA	**2.3**	0.002 U
MW-3 Screen 3	April/May 2015	MW-3-3	**2.4**	1.000 U	**2.3 J**	0.002 U
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 4	Jan/Feb 2015	MW-3-4	NA	NA	**76.0**	0.002 U
MW-3 Screen 4	April/May 2015	MW-3-4	**8.1**	1.000 U	**10.0**	0.002 U
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-3 Screen 5	April/May 2015	MW-3-5	**2.1**	1.000 U	**3.3**	0.002 U
MW-3 Screen 5	April/May 2015	DUP-6-2Q15	**13.0**	1.000 U	**24.0**	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 1	Jan/Feb 2015	MW-4-1	NA	NA	**0.5 J**	0.002 U
MW-4 Screen 1	April/May 2015	MW-4-1	2.0 U	1.000 U	3.0 U	0.002 U
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

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-4 Screen 2	Oct 2014	MW-4-2	NA	NA	**3.9**	0.002 U
MW-4 Screen 2	Jan/Feb 2015	MW-4-2	NA	NA	**2.1 J**	0.002 U
MW-4 Screen 2	April/May 2015	MW-4-2	2.0 U	1.000 U	**8.3**	0.002 U
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 3	Jan/Feb 2015	MW-4-3	NA	NA	**0.8 J**	0.004 U
MW-4 Screen 3	April/May 2015	MW-4-3	2.0 U	1.000 U	1.5 U	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 4	April/May 2015	MW-4-4	**1.2 J**	1.000 U	2.9 U	0.002 U
MW-4 Screen 4	April/May 2015	DUP-2-2Q15	**1.0 J**	1.000 U	1.9 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-4 Screen 5	April/May 2015	MW-4-5	2.0 U	1.000 U	3.0 U	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-5	Jan/Feb 2015	MW-5	NA	NA	**2.4 J**	**0.001 J**
MW-5	April/May 2015	MW-5	2.0 U	1.000 U	3.0 U	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-6	Jan/Feb 2015	MW-6	NA	NA	**78.0**	**0.002 J**
MW-6	Jan/Feb 2015	DUP-4-1Q15	NA	NA	**73.0**	**0.002 J**
MW-6	April/May 2015	MW-6	**0.8 J**	1.000 U	**820.0**	**0.002 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-7	Jan/Feb 2015	MW-7	NA	NA	**49.0**	**0.004**
MW-7	Jan/Feb 2015	DUP-7-1Q15	NA	NA	**57.0**	**0.004**
MW-7	April/May 2015	MW-7	**0.8 J**	1.000 U	**83.0**	**0.007 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**
MW-8	Jan/Feb 2015	MW-8	**0.7 J**	1.000 U	**29.0**	**0.009**
MW-8	April/May 2015	MW-8	NA	NA	**7.6**	**0.005 J**
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

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-9	April/May 2015	MW-9	2.0 U	1.000 U	2.5 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-10	Jan/Feb 2015	MW-10	NA	NA	**4.7 J**	**0.001 J**
MW-10	April/May 2015	MW-10	2.0 U	1.000 U	**3.4**	0.010 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 1	Jan/Feb 2015	MW-11-1	NA	NA	3.0 U	0.002 U
MW-11 Screen 1	April/May 2015	MW-11-1	2.0 U	1.000 U	1.1 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 2	Jan/Feb 2015	MW-11-2	NA	NA	3.0 U	0.002 U
MW-11 Screen 2	April/May 2015	MW-11-2	**1.0 J**	1.000 U	1.9 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 3	Jan/Feb 2015	MW-11-3	NA	NA	3.0 U	0.002 U
MW-11 Screen 3	April/May 2015	MW-11-3	**0.7 J**	1.000 U	1.1 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 4	April/May 2015	MW-11-4	2.0 U	1.000 U	0.8 U	0.002 UJ
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-11 Screen 5	April/May 2015	MW-11-5	**6.1**	**0.370 J**	2.4 U	0.002 UJ
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 1	Jan/Feb 2015	MW-12-1	NA	NA	**2.3 J**	**0.002 J**
MW-12 Screen 1	April/May 2015	MW-12-1	2.0 U	1.000 U	3.0 U	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 2	Jan/Feb 2015	MW-12-2	NA	NA	**0.9 J**	**0.002 J**
MW-12 Screen 2	April/May 2015	MW-12-2	2.0 U	1.000 U	**0.7 J**	0.002 U
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 3	Jan/Feb 2015	MW-12-3	NA	NA	3.0 U	0.002 U
MW-12 Screen 3	April/May 2015	MW-12-3	2.0 U	1.000 U	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 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 4	April/May 2015	MW-12-4	**1.4 J**	1.000 U	3.0 U	0.002 U
MW-12 Screen 4	April/May 2015	DUP-5-2Q15	**1.2 J**	1.000 U	3.0 U	0.002 U
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-12 Screen 5	April/May 2015	MW-12-5	**1.5 J**	1.000 U	**0.9 J**	**0.001 J**
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	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 1	Jan/Feb 2015	MW-14-1	NA	NA	**6.4**	0.002 U
MW-14 Screen 1	April/May 2015	MW-14-1	2.0 U	1.000 U	**24.0**	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 2	Jan/Feb 2015	MW-14-2	NA	NA	**1.2 J**	0.002 U
MW-14 Screen 2	April/May 2015	MW-14-2	2.0 U	1.000 U	**0.7 J**	0.002 U
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 3	Jan/Feb 2015	MW-14-3	NA	NA	**0.8 J**	0.002 U
MW-14 Screen 3	April/May 2015	MW-14-3	2.0 U	1.000 U	1.3 U	0.002 U
MW-14 Screen 3	DUP-1-2Q15	MW-14-3	2.0 U	1.000 U	**0.7 J**	0.002 U
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 4	Apr/May 2015	MW-14-4	2.0 U	1.000 U	3.2 U	**0.001 J**
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-14 Screen 5	April/May 2015	MW-14-5	**1.0 J**	1.000 U	1.6 U	0.002 U
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-15	Jan/Feb 2015	MW-15	NA	NA	**3.2 J**	0.002 U
MW-15	Jan/Feb 2015	DUP-5-1Q15	NA	NA	**0.9 J**	0.002 U
MW-15	April/May 2015	MW-15	2.0 U	1.000 U	1.2 U	0.002 U
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-16	Jan/Feb 2015	MW-16	NA	NA	NA	**0.004**

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-16	Jan/Feb 2015	DUP-6-1Q15	NA	NA	NA	**0.004**
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 1	Apr/May 2015	MW-17-1	2.0 U	1.000 U	3.0 U	0.010 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 2	Jan/Feb 2015	MW-17-2	NA	NA	3.0 U	0.002 U
MW-17 Screen 2	Apr/May 2015	MW-17-2	2.0 U	1.000 U	3.0 U	0.010 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 3	Jan/Feb 2015	MW-17-3	NA	NA	3.0 U	0.003 U
MW-17 Screen 3	Apr/May 2015	MW-17-2=3	2.0 U	1.000 U	3.0 U	0.010 U
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 4	Jan/Feb 2015	MW-17-4	NA	NA	3.0 U	0.002 U
MW-17 Screen 4	April/May 2015	MW-17-4	**3.2**	**0.120 J**	**0.7 J**	0.010 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-17 Screen 5	April/May 2015	MW-17-5	**9.0**	**0.930 J**	**0.7 J**	0.010 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 2	Jan/Feb 2015	MW-18-2	NA	NA	3.0 U	0.002 U
MW-18 Screen 2	April/May 2015	MW-18-2	**1.4 J**	1.000 U	0.7 U	0.002 U
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**
MW-18 Screen 3	Oct 2014	DUP-5-4Q14	NA	NA	2.4 U	**0.002 J**
MW-18 Screen 3	Jan/Feb 2015	MW-18-3	NA	NA	**1.5 J**	**0.001 J**
MW-18 Screen 3	April/May 2015	MW-18-3	**1.3 J**	1.000 U	2.4 U	**0.002 J**
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 4	Jan/Feb 2015	MW-18-4	NA	NA	3.0 U	0.002 U
MW-18 Screen 4	April/May 2015	MW-18-4	**97% J**	100% U	1.2 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

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-18 Screen 5	April/May 2015	MW-18-5	**0.8 J**	1.000 U	3.0 U	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 1	April/May 2015	MW-19-1	2.0 U	1.000 U	3.0 U	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 2	April/May 2015	MW-19-2	2.0 U	**0.200 J**	0.8 U	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 3	April/May 2015	MW-19-3	2.0 U	1.000 U	3.0 U	**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 4	April/May 2015	MW-19-4	2.0 U	1.000 U	3.0 U	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-19 Screen 5	April/May 2015	MW-19-5	2.0 U	1.000 U	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	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 2	Jan/Feb 2015	MW-20-2	NA	NA	**0.7 J**	**0.001 J**
MW-20 Screen 2	April/May 2015	MW-20-2	2.0 U	1.000 U	3.0 U	0.010 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 3	Jan/Feb 2015	MW-20-3	NA	NA	**1.0 J**	**0.001 J**
MW-20 Screen 3	April/May 2015	MW-20-3	**0.7 J**	1.000 U	3.0 U	0.010 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 4	Jan/Feb 2015	MW-20-4	NA	NA	**1.9 J**	**0.001 J**
MW-20 Screen 4	April/May 2015	MW-20-4	**1.5 J**	1.000 U	3.0 U	0.010 U
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-20 Screen 5	Jan/Feb 2015	MW-20-5	NA	NA	**0.9 J**	**0.001 J**
MW-20 Screen 5	April/May 2015	MW-20-5	2.0 U	1.000 U	3.0 U	0.010 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	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

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-21 Screen 2	Oct 2014	MW-21-2	NA	NA	0.5 U	0.002 U
MW-21 Screen 2	Jan/Feb 2015	MW-21-2	NA	NA	**1.0 J**	0.002 U
MW-21 Screen 2	April/May 2015	MW-21-2	2.0 U	1.000 U	0.7 U	0.002 U
MW-21 Screen 2	April/May 2015	DUP-7-2Q15	2.0 U	1.000 U	0.6 U	0.002 U
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 3	Jan/Feb 2015	MW-21-3	NA	NA	3.0 U	0.002 U
MW-21 Screen 3	April/May 2015	MW-21-3	2.0 U	1.000 U	0.8 U	0.002 U
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 4	Jan/Feb 2015	MW-21-4	NA	NA	**1.3 J**	**0.001 J**
MW-21 Screen 4	April/May 2015	MW-21-4	2.0 U	1.000 U	1.5 U	**0.001 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-21 Screen 5	Jan/Feb 2015	MW-21-5	NA	NA	**0.8 J**	**0.001 J**
MW-21 Screen 5	April/May 2015	MW-21-5	2.0 U	1.000 U	1.6 U	**0.001 J**
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 1	Jan/Feb 2015	MW-22-1	NA	NA	**0.9 J**	0.002 U
MW-22 Screen 1	April/May 2015	MW-22-1	2.0 U	1.000 U	**1.1 J**	0.002 U
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 2	Jan/Feb 2015	MW-22-2	NA	NA	**2.0 J**	**0.001 J**
MW-22 Screen 2	April/May 2015	MW-22-2	**1.1 J**	1.000 U	**1.7 J**	**0.001 J**
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 3	Jan/Feb 2015	MW-22-3	NA	NA	**1.6 J**	**0.002 J**
MW-22 Screen 3	April/May 2015	MW-22-3	**1.3 J**	1.000 U	**2.4 J**	**0.001 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 4	April/May 2015	MW-22-4	**1.1 J**	1.000 U	**2.0 J**	**0.001 J**
MW-22 Screen 4	April/May 2015	DUP-3-2Q15	**1.2 J**	1.000 U	**2.7 J**	**0.001 J**
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

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
MW-22 Screen 5	April/May 2015	MW-22-5	2.0 U	1.000 U	3.0 U	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 1	Jan/Feb 2015	MW-23-1	NA	NA	**1.0 J**	**0.002 J**
MW-23 Screen 1	April/May 2015	MW-23-1	2.0 U	1.000 U	**1.3 J**	**0.002 J**
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 2	Jan/Feb 2015	MW-23-2	NA	NA	**1.0 J**	**0.002 J**
MW-23 Screen 2	Jan/Feb 2015	DUP-2-1Q15	NA	NA	**0.7 J**	0.002 U
MW-23 Screen 2	April/May 2015	MW-23-2	2.0 U	1.000 U	**1.3 J**	0.002 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 3	Jan/Feb 2015	MW-23-3	NA	NA	**3.3**	**0.004**
MW-23 Screen 3	April/May 2015	MW-23-3	**0.8 J**	1.000 U	**3.4**	**0.002 J**
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 4	Jan/Feb 2015	MW-23-4	NA	NA	**2.3 J**	**0.003**
MW-23 Screen 4	April/May 2015	MW-23-4	**1.6 J**	**0.140 J**	2.0 UJ	**0.002 J**
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-23 Screen 5	April/May 2015	MW-23-5	**3.4**	**0.300 J**	3.0 U	0.002 U
MW-24 Screen 1	Apr/May 2014	MW-24-1	2.0 U	1.000 U	**16.0**	**0.006**
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 1	Jan/Feb 2015	MW-24-1	NA	NA	**8.5**	0.002 U
MW-24 Screen 1	April/May 2015	MW-24-1	2.0 U	1.000 U	**10.0**	0.002 U
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 2	Jan/Feb 2015	MW-24-2	NA	NA	**2.2 J**	**0.001 J**
MW-24 Screen 2	April/May 2015	MW-24-2	**1.7 J**	1.000 U	2.1 U	**0.001 J**
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 3	Jan/Feb 2015	MW-24-3	NA	NA	3.0 U	0.002 U
MW-24 Screen 3	April/May 2015	MW-24-3	**1.6 J**	1.000 U	1.1 U	0.010 UJ
MW-24 Screen 4	Apr/May 2014	MW-24-4	1.3 U	1.000 U	0.6 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-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 4	Jan/Feb 2015	MW-24-4	NA	NA	**1.4 J**	0.002 U
MW-24 Screen 4	April/May 2015	MW-24-4	**1.0 J**	1.000 U	1.0 U	0.002 U
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-24 Screen 5	April/May 2015	MW-24-5	**2.4**	1.000 U	3.0 U	0.010 UJ
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 1	Jan/Feb 2015	MW-25-1	NA	NA	**1.5 J**	0.002 U
MW-25 Screen 1	April/May 2015	MW-25-1	2.0 U	1.000 U	0.9 U	0.002 U
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 2	Jan/Feb 2015	MW-25-2	NA	NA	**2.4 J**	**0.003**
MW-25 Screen 2	April/May 2015	MW-25-2	**1.0 J**	1.000 U	2.6 U	**0.001 J**
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 3	Jan/Feb 2015	MW-25-3	NA	NA	**3.4**	**0.003**
MW-25 Screen 3	April/May 2015	MW-25-3	**0.7 J**	1.000 U	**3.1**	**0.002 J**
MW-25 Screen 3	April/May 2015	DUP-4-2Q15	2.0 U	1.000 U	**1.7**	**0.002 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 4	Jan/Feb 2015	MW-25-4	NA	NA	**1.4 J**	**0.001 J**
MW-25 Screen 4	April/May 2015	MW-25-4	**1.0 J**	1.000 U	**1.5 J**	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-25 Screen 5	April/May 2015	MW-25-5	**2.1**	1.000 U	**0.5 J**	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 1	Jan/Feb 2015	MW-26-1	NA	NA	**0.7 J**	0.002 U
MW-26 Screen 1	April/May 2015	MW-26-1	2.0 U	1.000 U	3.0 U	0.002 U
MW-26 Screen 2	Apr/May 2014	MW-26-2	**2.3**	1.000 U	**5.0**	0.002 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (mg/L)
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
MW-26 Screen 2	Jan/Feb 2015	MW-26-2	NA	NA	**2.4 J**	**0.001 J**
MW-26 Screen 2	April/May 2015	MW-26-2	**1.2 J**	1.000 U	**0.8 J**	**0.001 J**
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
	On July 1, 2014 the State Water Resources Control Board (SWRCB) adopted an MCL for Cr(VI) of 10.0 µg/L.
B	Analyte is present in method blank
E	Analyte concentration is above calibration range
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	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
		1/06/15	**20.0**	**1.8**	0.5 U	**1.6**
		1/13/15	**20.0**	NA	NA	NA
		1/20/15	**20.0**	NA	NA	NA
		1/27/15	**19.0**	NA	NA	NA
		2/10/15	**17.0**	NA	NA	NA
		2/17/15	**14.0**	NA	NA	NA
		2/24/15	**14.0**	NA	NA	NA
		3/03/15	**16.0**	**1.8**	0.5 U	**2.0**
		3/10/15	**17.0**	NA	NA	NA
		3/17/15	**17.0**	NA	NA	NA
		3/24/15	**17.0**	NA	NA	NA
	WELL 05	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**

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
LINCOLN AVENUE WATER CO. (con't)	WELL 05 (con't)	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
		1/06/15	**10.0**	**1.1**	0.0 U	**1.1**
		1/13/15	**10.0**	NA	NA	NA
		1/20/15	**10.0**	NA	NA	NA
		1/27/15	**11.0**	NA	NA	NA
		2/10/15	**9.6**	NA	NA	NA
		2/17/15	**8.6**	NA	NA	NA
		2/24/15	**10.0**	NA	NA	NA
		3/03/15	**11.0**	**1.3**	**0.6**	**1.7**
		3/10/15	**11.0**	NA	NA	NA
		3/17/15	**10.0**	NA	NA	NA
		3/24/15	**10.0**	NA	NA	NA
RUBIO CANON LAND & WATER ASSOCIATION (con't)	WELL 04	4/07/14	4.0 U	NA	NA	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	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
		1/05/15	4.0 U	NA	NA	NA

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
RUBIO CANON LAND & WATER ASSOCIATION (con't)	WELL 04 (con't)	1/05/15	4.0 U	NA	NA	NA
		1/12/15	4.0 U	NA	NA	NA
		1/26/15	4.0 U	NA	NA	NA
		2/09/15	4.0 U	NA	NA	NA
		2/17/15	4.0 U	NA	NA	NA
		2/23/15	4.0 U	NA	NA	NA
		3/02/15	4.0 U	NA	NA	NA
		3/09/15	4.0 U	NA	NA	NA
		3/16/15	4.0 U	NA	NA	NA
		3/23/15	4.0 U	NA	NA	NA
		3/30/15	4.0 U	NA	NA	NA
	WELL 07	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
		9/22/14	4.0 U	NA	NA	NA
		9/29/14	4.0 U	NA	NA	NA
		1/05/15	4.0 U	NA	**0.5**	NA
		1/12/15	4.0 U	NA	NA	NA
		1/20/15	4.0 U	NA	NA	NA
		1/26/15	4.0 U	NA	NA	NA
		2/09/15	4.0 U	NA	NA	NA
		2/17/15	4.0 U	NA	NA	NA
		2/23/15	4.0 U	NA	NA	NA
		3/02/15	4.0 U	NA	NA	NA
		3/09/15	4.0 U	NA	NA	NA
		3/16/15	4.0 U	NA	NA	NA
		3/23/15	4.0 U	NA	NA	NA
		3/30/15	4.0 U	NA	NA	NA

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
LAS FLORES WATER CO.	WELL 02	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
		1/05/15	**4.4**	NA	**2.5**	NA
		1/12/15	**4.1**	NA	**2.2**	NA
		1/19/15	**4.1**	NA	**1.7**	NA
		1/26/15	**4.6**	NA	**1.5**	NA
		2/09/15	**4.1**	NA	**2.0**	NA
		2/17/15	**5.6**	NA	**1.3**	NA
		2/23/15	**5.0**	NA	**1.2**	NA
		3/02/15	**4.8**	NA	**1.1**	NA
		3/09/15	**4.3**	NA	**1.1**	NA
		3/16/15	**5.0**	NA	**1.5**	NA
		3/23/15	**5.0**	NA	**1.4**	NA
LA CANADA IRRIGATION DIST.	WELL 01	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**
		3/16/15	4.0 U	0.5 U	**2.0**	**1.0**
	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**
		3/09/15	4.0 U	NA	0.5 U	**0.9**

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
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**
	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**
VALLEY WATER CO. (con't)	WELL 02 (con't)	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	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**
		1/6/15	**17.0**	**1.1**	0.5 U	**1.0**
		1/13/15	**16.3**	**1.2**	0.5 U	**1.2**
		1/20/15	**16.8**	**0.9**	0.5 U	**1.1**
		1/27/15	**16.5**	**0.9**	0.5 U	0.5 U
		2/10/15	**15.3**	**0.9**	0.5 U	**1.1**
		2/17/15	**16.0**	**1.0**	0.5 U	**1.1**
		2/24/15	**15.4**	**1.0**	0.5 U	**1.1**
		3/03/15	**16.0**	**1.0**	0.5 U	**1.1**
		3/10/15	**15.5**	**1.1**	0.5 U	**1.2**
		3/17/15	**15.7**	**1.0**	0.5 U	**1.2**
		3/24/15	**15.1**	**1.0**	0.5 U	**1.3**
		3/31/15	**15.5**	**0.9**	0.5 U	**1.1**

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	PCE	TCE
PASADENA-CITY, WATER DEPT. (con't)	VENTURA	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**
		2/17/15	**4.4**	0.5 U	**1.1**	**3.9**
	WELL 52	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**
		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**
		2/10/15	**5.2**	0.5 U	**0.9**	**6.1**
California Maximum Contaminant Level (MCL)			6.0	0.5	5.0	5.0
EPA Region IX Maximum Contaminant Level			NE	5.0	5.0	5.0

Notes

NA	Not analyzed
NE	Not established
Source	State Water Resources Control Board - Division of Drinking Water
	Drinking Water Data, May 2015
U	Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.