Technical Memorandum

Second Quarter 2018 Groundwater Monitoring Summary
National Aeronautics and Space Administration
Jet Propulsion Laboratory, Pasadena, California

Final August 2018

This technical memorandum summarizes the results of the second quarter 2018 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 2018 groundwater sampling event was conducted from April 22 through April 30, 2018.

INTRODUCTION

During the second quarter 2018 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. In addition, samples were collected from the Monk Hill Treatment System (MHTS) upgradient surveillance monitoring wells and analyzed in accordance with the City of Pasadena's State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) drinking water permit. Figure 1 shows the locations of the groundwater monitoring wells.

Groundwater samples were shipped to BC Laboratories, Inc., in Bakersfield, California, for chemical analysis. BC Laboratories, Inc. is certified by the State Water Resources Control Board (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 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 last five sampling events. Table 3 summarizes VOC and perchlorate concentrations in production wells located near the JPL facility during the last five sampling events. No tentatively identified compounds (TICs) were detected in the samples collected during the second quarter of 2018.

Figures summarizing the results from the second quarter 2018 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.

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

Attachment 1 summarizes the field and laboratory quality assurance (QA), data verification and data validation procedures utilized for the JPL groundwater monitoring program. Attachment 2 contains the data validation reports performed by an independent subcontractor, Laboratory Data Consultants, Inc. (LDC). Attachment 3 contains the laboratory analytical reports prepared by BC Laboratories, Inc. Attachment 4 contains the groundwater sample collection field logs for the JPL groundwater monitoring wells. Attachment 5 contains water level field measurement log sheets. Attachment 6 presents time series 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. MW-2 was decommissioned in July 2018.

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.

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. Additional details regarding chemical concentrations in these wells are presented below.

It should be noted that during the second quarter 2018, MW-16 only had sufficient water for a grab sample collection.

PERCHLORATE ANALYTICAL RESULTS

- During the second quarter 2018 sampling event, concentrations of perchlorate above the state maximum contaminant level (MCL) (6.0 micrograms per liter [µg/L]) were reported in the samples collected from MW-13 (230.0 µg/L), and MW-24 (Screen 1 [36.0 µg/L]).
- Perchlorate was detected at levels below the state MCL (6.0 µg/L) in MW-7 (5.0 µg/L) and an estimated level in MW-24 (Screen 2 at [3.7J µg/L]). Estimated levels are indicated by "J".
- Perchlorate was not detected in the remaining on-facility source area wells that were sampled during the second quarter (MW-16 and MW-24 Screens 3 through 5). The reporting and method detection limits were below the state MCL of 6.0 µg/L.

- Perchlorate concentrations increased in on-facility source area wells MW-13 (83.0 µg/L to 230.0 µg/L), and MW-24 (Screens 1 [16.0 µg/L to 36.0 µg/L] and 2 [2.2J µg/L to 3.7J µg/L]) from first quarter 2018 to second quarter 2018.
- Perchlorate concentrations decreased from the last sampling event to the second quarter 2018 in MW-7 (9.6 µg/L to 5.0 µg/L) and MW-16 (0.6J µg/L to non-detect).

VOC Analytical Results

- Carbon tetrachloride was detected in one sample from MW-13 during the second quarter 2018, at 0.4J µg/L, which is below the state MCL of 0.5 µg/L. Carbon tetrachloride was not detected in the remaining on-facility source area wells.
- During the second quarter 2018, TCE was not detected in the on-facility source area wells.
- PCE was detected below the state MCL of 5.0 µg/L in MW-13 during the second quarter 2018, at 0.6 µg/L. PCE was not detected in the remaining on-facility source area wells.

Other Notable Analytical Results

- In the October 2014 technical memorandum,[2] 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 for metals in MW-16 during the second quarter 2018 due to insufficient water for purging.
- During the second quarter 2018, Cr(VI)[3] was detected below the state MCL of 10.0 µg/L in MW-24 (Screens 2 [2.3 µg/L] and 5 [2.9 µg/L]). Cr(VI) was not detected in MW-7, MW-13 and MW-24 (Screens 1, 3, and 4).
- Total chromium was detected above the state MCL of 50.0 µg/L in MW-7 (54.0 µg/L) and above the federal MCL of 100.0 µg/L in MW-13 (170.0 µg/L. Total chromium was detected below the state MCL of 50.0 µg/L in MW-24 (Screens 1 through 5 [1.7J µg/L, 1.3J µg/L, 0.9J µg/L, 0.8J µg/L and 3.9 µg/L, respectively]). Total chromium results in the on-facility source area wells will continue to be closely evaluated during subsequent sampling events.

Other On-facility Wells

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

Perchlorate Analytical Results

- During the second quarter 2018, perchlorate was detected above the state MCL of 6.0 µg/L in MW-8 (23.0 µg/L).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-6 (2.2J µg/L), MW-11 (Screens 2 [0.9J µg/L] and 3 [0.8J µg/L]), MW-22 (Screens 1 through 4 [2.6J µg/L, 2.1J µg/L,

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

2.0J µg/L, and 0.8J µg/L, respectively]), and MW-23 (Screens 1 through 4 [3.4J µg/L, 3.5J µg/L, 2.2J µg/L and 1.4J µg/L, respectively]).

- Perchlorate concentrations increased slightly from their respective last sampling event to the second quarter 2018 in MW-8 (21.0 µg/L to 23.0 µg/L), MW-11 (Screen 2 [non-detect to 0.9J µg/L]), MW-22 (Screens 1 and 4 [2.5J µg/L to 2.6J µg/L and 0.6J µg/L to 0.8J µg/L, respectively]), and MW-23 (Screen 4 [1.2J µg/L to 1.4J µg/L]).
- The perchlorate concentration decreased slightly from their respective last sampling event to the second quarter 2018 in MW-6 (3.9J µg/L to 2.2 µg/L), MW-22 (Screens 2 and 3 [2.8J µg/L to 2.1J µg/L and 2.5J µg/L to 2.0J µg/L]) and MW-23 (Screens 1 through 3 [4.3 µg/L to 3.4J µg/L, 5.1 µg/L to 3.5J µg/L and 3.2J µg/L to 2.2J µg/L, respectively]).
- During the second quarter 2018, perchlorate was not detected in MW-11 (Screens 1, 4, and 5), MW-22 (Screen 5) and MW-23 (Screen 5) with a reporting limit of 4.0 µg/L.

VOC Analytical Results

- During the second quarter 2018, carbon tetrachloride was detected below the state MCL of 0.5 µg/L at an estimated concentration of 0.2J µg/L in MW-11 (Screen 3). Carbon tetrachloride was not detected in the remaining other on-facility wells.
- During the second quarter 2018, TCE was detected below the state and federal MCL of 5.0 µg/L in MW-6 (4.5 µg/L), MW-22 (Screen 1 [0.7 µg/L]), and MW-23 (Screens 1 and 2 [1.8 µg/L and 1.1 µg/L, respectively]).
- During the second quarter 2018, PCE was detected below the state and federal MCL for PCE (5.0 µg/L) in MW-6 (1.0 µg/L), MW-22 (Screen 1 [0.2J µg/L]) and MW-23 (Screens 1 and 2 [0.3J µg/L and 0.4J µg/L, respectively]).

Other Notable Analytical Results

- During the second quarter 2018, Cr(VI) was detected below the state MCL of 10.0 µg/L in MW-6 (1.6J µg/L), MW-8 (1.2J µg/L), MW-22 (Screens 2 through 4 [1.8J µg/L, 2.0 µg/L and 1.6 µg/L, respectively]), and MW-23 (Screens 2 through 4 [0.8J µg/L, 3.2 µg/L, and 3.9 µg/L, respectively]).
- During the second quarter 2018, total chromium was detected in MW-6 (24.0 µg/L), MW-8 (4.6 µg/L), MW-11 (Screens 1 and 3 [0.9J µg/L and 1.9J µg/L, respectively]) and MW-22 (Screens 1 through 4 [1.0J µg/L, 2.0J µg/L, 2.6J µg/L and 3.1 µg/L, respectively; however, no detections were above the state MCL (50.0 µg/L).
- The detection of total chromium in well MW-6 during the second quarter 2018 (24.0 µg/L) is only the third detection below the state MCL of 50.0 µg/L since the second quarter 2014 (third quarter 2014 [26.0 µg/L, first quarter 2017 [27.0 µg/L]). 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 2018 sampling event, perchlorate was detected above the state MCL (6.0 µg/L) in MW-4 (Screen 2 [6.5 µg/L]).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-3 (Screens 2 through 4 [0.6J µg/L, 0.6J µg/L and 1.0J µg/L, respectively]), MW-4 (Screens 1 and 4 [0.6J µg/L and 1.4J µg/L, respectively]), MW-5 (0.9J µg/L), MW-10 (4.6 µg/L]), MW-12 (Screens 3 through 5 [0.8J µg/L, 1.4J µg/L and 1.3J µg/L, respectively]), MW-14 (Screens 1 through 4 [3.0J µg/L, 3.8J µg/L, 4.3 µg/L, and 4.4 µg/L, respectively]) and MW-15 (2.2J µg/L).
- Perchlorate concentrations increased from their respective last sampling date to the second quarter 2018 in MW-3 (Screen 4 [0.6J µg/L to 1.0J µg/L]), MW-4 (Screens 1, 2 and 4 [non-detect to 0.6J µg/L, non-detect to 6.5 µg/L, and non-detect to 1.4J µg/L, respectively]), MW-5 (non-detect to 0.9J µg/L), , MW-12 (Screens 3 through 5 [0.7J µg/L to 0.8J µg/L, non-detect to 1.4J µg/L and non-detect to 13J µg/L, respectively]), and MW-15 (0.6J µg/L to 2.2J µg/L).
- Perchlorate concentrations decreased from their last sampling event to the second quarter 2018 in MW-3 (Screens 2, 3 and 5 [9.3 µg/L to 0.6J µg/L, 1.4J µg/L to 0.6J µg/L, 0.8J µg/L to non-detect, respectively]), MW-10 (5.3 µg/L to 4.6 µg/L) and MW-14 (Screens 1 through 4 [3.7J µg/L to 3.0J µg/L, 4.9 µg/L to 3.8J µg/L, 5.8 µg/L to 4.3 µg/L and 4.6 µg/L to 4.4 µg/L, respectively]).
- The estimated perchlorate detection of 0.6J µg/L in MW-3 (Screen 2) in the second quarter 2018 is only the fourth detection below 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).
- During the second quarter 2018, perchlorate was not detected in MW-1, MW-3 (Screens 1 and 5), MW-4 (Screens 3 and 5), MW-9, MW-12 (Screens 1 and 2), and MW-14 (Screen 5) with a reporting limit of 4.0 µg/L.

VOC ANALYTICAL RESULTS

- During the second quarter 2018, carbon tetrachloride was detected at concentrations below the state MCL (0.5 µg/L) in MW-12 (Screen 4 [0.3J µg/L]). No other carbon tetrachloride detections occurred in the perimeter off-facility wells during the second quarter 2018.
- During the second quarter 2018, TCE was detected in MW-4 (Screens 2 through 5 [1.3 µg/L, 0.9 µg/L, 0.4J µg/L and 0.3J µg/L, respectively]), MW-10 (6.1 µg/L), and MW-14 (Screens 1 through 3 (1.2 µg/L, 1.2 µg/L, and 1.0 µg/L, respectively]). Only the detection of 6.1 µg/L in MW-10 was above the state and federal MCL of 5.0 µg-L. No other TCE detections occurred in the perimeter off-facility wells during the second quarter 2018.
- During the second quarter 2018, PCE was detected below the state and federal MCL (5.0 µg/L) in wells MW-3 (Screen 5 [0.3J µg/L]), MW-4 (Screens 2 and 3 [both at 0.3J µg/L]), MW-10 (0.8 µg/L) and MW-14 (Screens 2 and 3 [0.5J µg/L and 0.6 µg/L, respectively]). No other PCE detections occurred in the perimeter off-facility wells during the second quarter 2018.

OTHER NOTABLE ANALYTICAL RESULTS

- During the second quarter 2018, Cr(VI) was detected below the state MCL of 10.0 µg/L in MW-4 (Screen 2 [1.8J µg/L]), MW-10 (1.3J µg/L), and MW-14 (Screens 1, 2 and 4 [1.8J µg/L, 0.9J µg/L and 2.8 µg/L, respectively]). No other Cr(VI) detections occurred in the perimeter off-facility wells during the second quarter 2018.
- During the second quarter 2018, total chromium was detected in MW-3 (Screen 4 [11.0 µg/L]), MW-4 (Screens 2 through 5 [1.9J µg/L, 2.8J µg/L, 0.6J µg/L and 0.7J µg/L, respectively]), MW-5 (0.7J µg/L), MW-9 (3.0 µg/L), MW-10 (10.0 µg/L), MW-12 (Screens 2 through 5 [1.0J µg/L, 0.5J µg/L, 0.7J µg/L and 1.4J µg/L, respectively]) and MW-14 (Screens 1, 2, 3 and 5 [2.3J µg/L, 0.7J µg/L, 3.7 µg/L and 0.7J µg/L, respectively]) and MW-15 (2.8J µg/L); none of the detections were above the state MCL of 50.0 µg/L.

OFF-FACILITY WELLS

The off-facility wells consist of monitoring wells MW-17, MW-18, MW-19, MW-20, MW-21, MW-25 and MW-26. These wells are located near and down gradient of the two off-facility treatment plants: MHTS and Lincoln Avenue Water Company (LAWC) treatment system. Daily operation of the MHTS began in February 2011. Operation of the LAWC system began in July 2004.

It should be noted that during the second quarter 2018, MW-18 (Screen 1), MW-20 (Screen 1) and MW-21 (Screen 1) were dry and no samples were collected. This well screen was dry due to declining water levels associated with the drought in California.

PERCHLORATE ANALYTICAL RESULTS

- During the second quarter 2018 sampling event, concentrations of perchlorate at or above the state MCL (6.0 µg/L) were reported in samples collected from wells MW-18 (Screen 4 [16.0 µg/L]), and MW-25 (Screens 1 through 4 [9.1 µg/L, 12.0 µg/L, 9.0 µg/L, and 9.0 µg/L, respectively]).
- Perchlorate was detected below the state MCL of 6.0 µg/L in MW-17 (Screens 3 through 5 [5.0 µg/L, 4.2 µg/L and 4.3 µg/L]), MW-18 (Screen 3 [4.6 µg/L]), MW-19 (Screens 2 through 5 [3.0J µg/L, 4.7 µg/L, 2.6J µg/L, and 2.5J µg/L, respectively]), MW-20 (Screen 2 and 3 [1.7J µg/L and 1.4J µg/L, respectively]), MW-21 (Screens 2 through 5 [1.7J µg/L, 3.8J µg/L, 2.6J µg/L, and 2.5J µg/L, respectively]), and MW-26 (Screens 1 and 2 [1.7J µg/L and 2.1J µg/L, respectively]).
- Perchlorate concentrations increased from their respective last sampling event to the second quarter 2018 in MW-18 (Screen 3 [3.9J µg/L to 4.6 µg/]), MW-19 (Screens 2 through 5 [2.6J µg/L to 3.0J µg/L, 4.1J µg/L to 4.7 µg/L, 2.4J µg/L to 2.6J µg/L, and 2.1J µg/L to 2.5J µg/L, respectively]), MW-20 (Screens 2 and 3 [non-detect to 1.7J µg/L and non-detect to 1.4J µg/L]), MW-21 (Screens 2, 3 and 5 [1.6J µg/L to 1.7J µg/L, 2.4J µg/L to 3.8J µg/L and 2.3J µg/L to 2.5J µg/L, respectively]), MW-25 (Screens 1 and 4 [6.0 µg/L to 9.0 µg/L and 6.9 µg/L to 9.0 µg/L]) and MW-26 (Screen 1 [1.3J µg/L to 1.7J]).
- The perchlorate concentration decreased or remained unchanged from its respective last sampling event to the second quarter 2018 in MW-17 (Screens 3 through 5 [5.1 µg/L to 5.0 µg/L, 4.9 µg/L to 4.0 µg/L and remain unchanged at 4.3 µg/L, respectively]), MW-18 (Screen 4 [18.0 µg/L to 16.0 µg/L), MW-21 (Screen 4 [4.2 µg/L to 2.6J µg/L]), MW-25 (Screens 2 and 3

[remain unchanged at 12.0 µg/L and 9.1 µg/L to 9.0 µg/L, respectively]) and MW-26 (Screen 2 [3.2J µg/L to 2.1J µg/L]).

- Concentrations of perchlorate were not detected in MW-17 (Screens 1 and 2), MW-18 (Screens 2 and 5), MW-19 (Screen 1), MW-20 (Screens 4 and 5), and MW-25 (Screen 5) with a reporting limit of 4.0 µg/L.

VOC Analytical Results

- During the second quarter 2018, carbon tetrachloride was detected at the state MCL (0.5 µg/L) in MW-18 (Screen 3 [0.5 µg/L]) and above the state and federal MCLs (0.5 µg/l and 5.0 µg/L, respectively) in MW-18 (Screen 4 [7.7 µg/L]). No other carbon tetrachloride detections occurred in the off-facility wells during the second quarter 2018.
- 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 2018, TCE was detected in MW-17 (Screens 3, 4 and 5), MW-18 (Screen 4), MW-19 (Screen 2), MW-20 (Screen 2), MW-21 (Screens 2 and 3), 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 2018, PCE was detected in MW-17 (Screens 3, 4 and 5), MW-18 (Screen 4), MW-19 (Screens 2 through 5), MW-20 (Screen 3), MW-21 (Screens 2 through 5), MW-25 (Screen 3), and MW-26 (Screens 1 and 2); however, no detections exceeded the state and federal MCL (5.0 µg/L).

Other Notable Analytical Results

- During the second quarter 2018, Cr(VI) was detected below the state MCL of 10.0 µg/L in MW-17 (Screens 4 and 5 [1.7J µg/L and 1.3J µg/L, respectively]), MW-18 (Screens 3 and 4 [1.8J µg/L and 2.2 µg/L, respectively]), MW-19 (Screens 3 through 5 [2.0 µg/L, 1.8J µg/L and 1.9J µg/L, respectively]), MW-21 (Screens 4 and 5 [1.3J µg/L and 2.0 µg/L, respectively]), MW-25 (Screens 2, 3, and 4 [2.1 µg/L, 2.2 µg/L, and 0.8J µg/L, respectively]), and MW-26 (Screen 2 [2.0 µg/L).
- During the second quarter 2018, total chromium was detected below the state MCL of 50.0 µg/L in MW-18 (Screens 2 throgh 4 [1.1J µg/L, 2.6J µg/L and 2.6J µg/L, respectively]), MW-19 (Screens 1 through 5 [0.7J µg/L, 2.0J µg/L, 2.6J µg/L, 1.8J µg/L and 2.4J µg/L, respectively]), MW-20 (Screens 2 and 3 [0.6J µg/L and 0.7J µg/L, respectively]), MW-25 (Screens 1 through 4 [2.4J µg/L, 2.4J µg/L, 3.9 µg/L, and 1.7J µg/L, respectively]) and MW-26 (Screens 1 and 2 [0.8J µg/L and 0.6J µg/L, respectively]).

All Well Categories (Other Results)

- Comparing the first quarter 2018 to the second quarter 2018, groundwater elevations increased by an average of approximately 8.10 ft.

- Monitoring well MW-16 could not be purged with the dedicated submersible pump due to the low water table. Therefore, grab samples were collected from this well with a disposable bailer.
- The uppermost sampling port (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 2018. This is the third consecutive quarter in which MW-18 (Screen 1), MW-20 (Screen 1), and MW-21 (Screen 1) were dry.
- 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 at which time the levels approached and/or exceeded historic lows last recorded in 1996 and 1997. Groundwater elevations fluctuated between fourth quarter 2014 and first quarter 2017, but increased by an average of approximately 25 feet between first and second quarters of 2017. Groundwater elevations dropped by an average of 17 feet between second quarter 2017 and second quarter 2018. As of second quarter 2018, groundwater levels remain approximately 63 feet below the second quarter 2011 elevations. Groundwater elevations will continue to be closely monitored as the 2017/2018 precipitation totals are below average and parts of California are experiencing drought conditions[4].
- Groundwater level measurements collected during the second quarter 2018 indicate that groundwater gradients and flow directions are generally consistent with previous observations (see Figure 8).

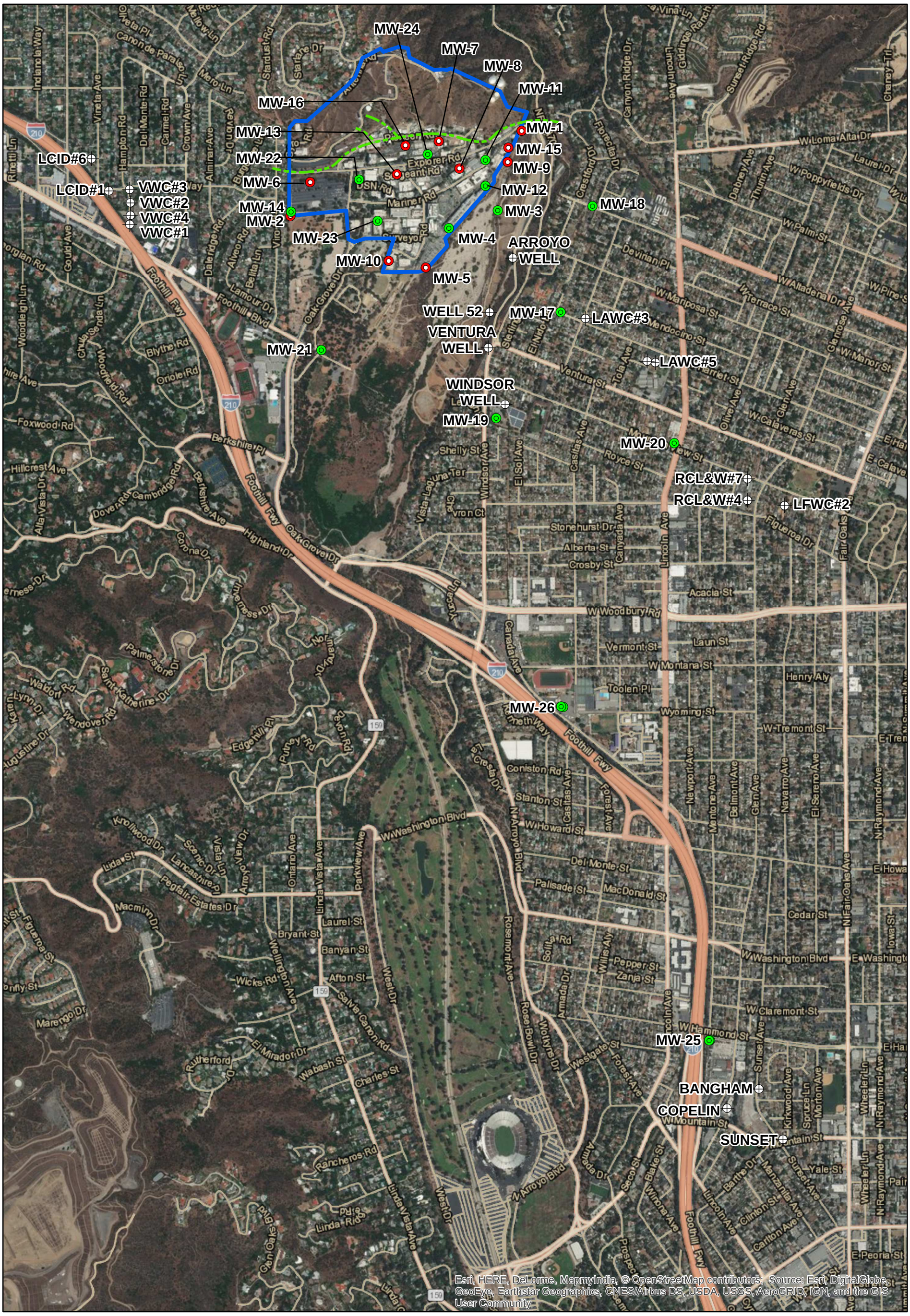
ATTACHMENTS

Attachments to this technical memorandum include the following:

- Attachment 1: Quality Assurance/Quality Control Summary
- Attachment 2: Data Validation Reports
- Attachment 3: Laboratory Analytical Reports
- 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

[4] According to the National Integrated Drought Information System: https://www.drought.gov/drought/states/california (site visited August 3, 2018).

FIGURES



Legend

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

N W E S

0 500 1,000 1,500 Feet

TIDEWATER INC
ENGINEERS / SCIENTISTS / PROGRAM MANAGERS

Locations of JPL Groundwater Monitoring Wells and Nearby Municipal Production Wells

DESIGNED BY JHG DRAWN BY JHG CHECKED BY DC	JPL - Pasadena, CA Contract No: FA8903-16-D-0049	Figure 1 April 2018

MW-22
1) 0.5 U
2) 0.5 U
3) 0.5 U / 0.5 U
4) 0.5 U
5) 0.5 U

MW-24
1) 0.5 U
2) 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.5 U

MW-16
1) 0.5 U

MW-7
1) 0.5 U

MW-8
1) 0.5 U

MW-11
1) 0.5 U
2) 0.5 U
3) **0.2 J**/ 0.5 U
4) 0.5 U
5) 0.5 U

MW-1
1) 0.5 U

MW-15
1) 0.5 U

MW-9
1) 0.5 U

MW-12
1) 0.5 U
2) 0.5 U
3) 0.5 U / 0.5 U
4) 0.3 J
5) 0.5 U

MW-6
1) 0.5 U

MW-3
1) 0.5 U
2) 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.5 U

LCID#6
NA

LCID#1
NA

VWC#3
NA

VWC#2
NA

VWC#4
NA

VWC#1
NA

MW-18
1) NA
2) 0.5 U
3) 0.5
4) 7.7
5) 0.5 U

MW-14
1) 0.5 U
2) 0.5 U
3) 0.5 U
4) 0.5 U / 0.5 U
5) 0.5 U

ARROYO
0.7

MW-2
1) NA

LAWC#3
0.5 U

LAWC#5
2.1

MW-13
1) 0.4 J

LFWC#2
NA

MW-23
1) 0.5 U
2) 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.5 U

RCL&W#7
NA

RCL&W#4
NA

MW-21
1) NA
2) 0.5 U
3) 0.5 U / 0.5 U
4) 0.5 U
5) 0.5 U

MW-20
1) NA
2) 0.5 U / 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.5 U

LAWC#6
1.9

MW-10
1) 0.5 U

MW-17
1) 0.5 U
2) 0.5 U / 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.5 U

MW-4
1) 0.5 U
2) 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.5 U

WINDSOR
NA

MW-5
1) 0.5 U

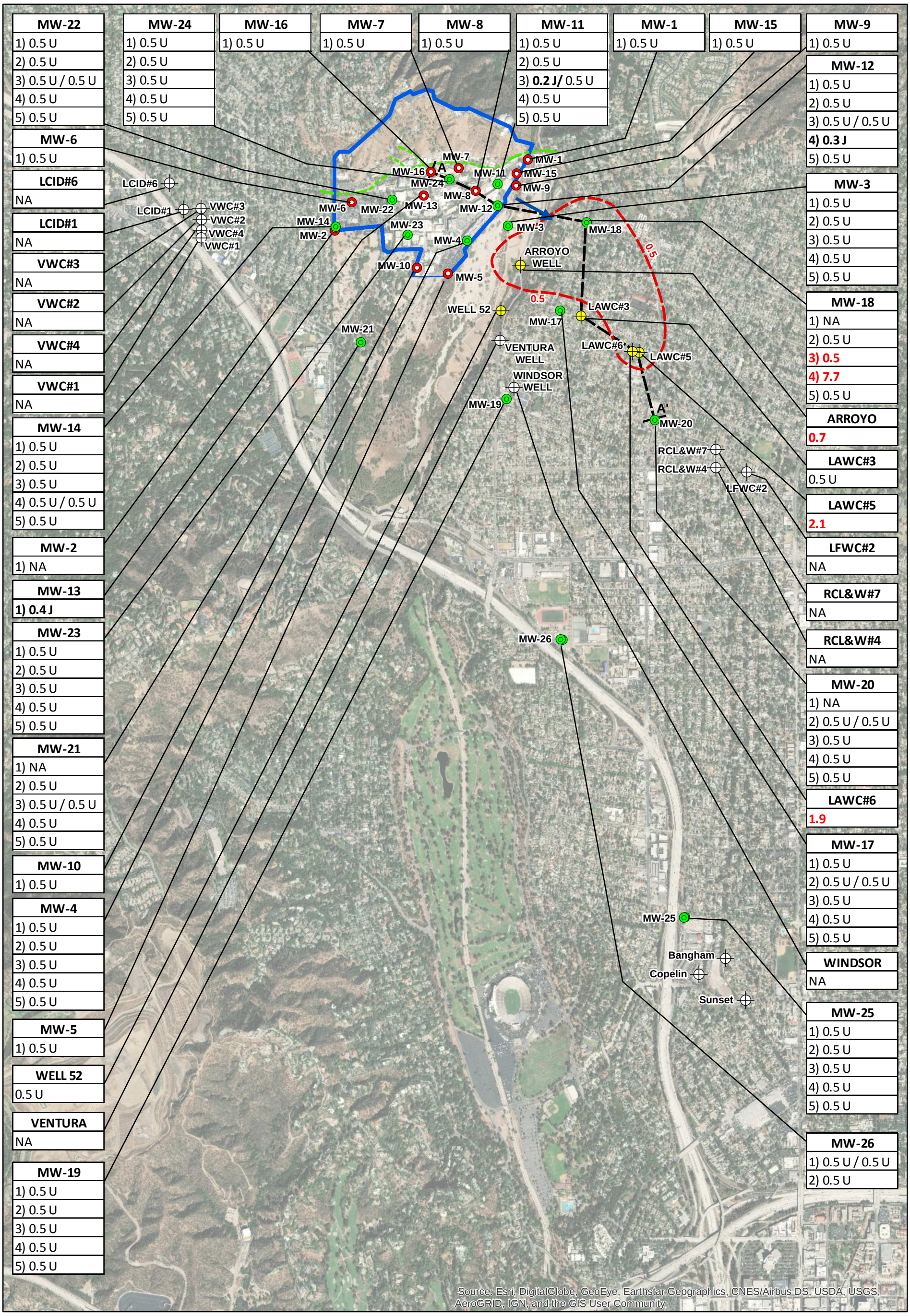
MW-25
1) 0.5 U
2) 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.5 U

WELL 52
0.5 U

VENTURA
NA

MW-26
1) 0.5 U / 0.5 U
2) 0.5 U

MW-19
1) 0.5 U
2) 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.5 U



Legend

- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well (Data Not Available)
- Municipal Production Well (Data From April 2018)
- Cross-Section Transect A-A'
- Estimated Isoconcentration Line (0.5 µg/L)
- JPL Facility Boundary
- Approximate Location of Thrust Fault
- Groundwater Flow Direction

N W E S

0 600 1,200 1,800 Feet

MW-8 / 1) 0.5 U — Well ID; Screen number; Concentration in micrograms per liter

J = Detected estimated value
U = Not detected estimated value
NA = Not Analyzed

Bold font indicates detected concentration below the State maximum contaminant level (MCL) of 0.5 micrograms per liter; red font indicates concentration exceeds MCL.

TIDEWATER INC
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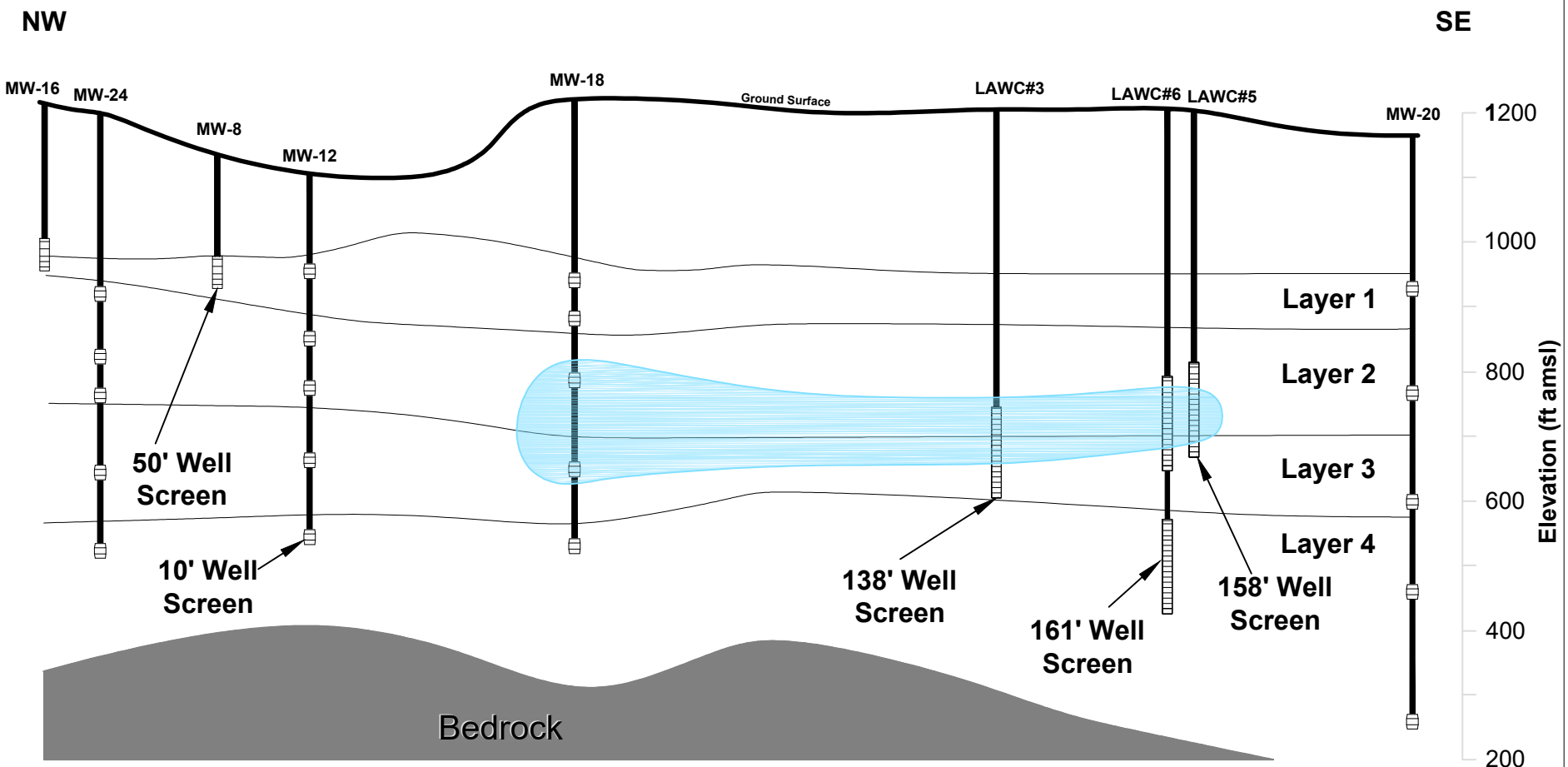
Carbon Tetrachloride in Groundwater April 2018

DESIGNED BY	JPL - Pasadena, CA	Figure 2
JHG		
DRAWN BY		
JHG	Contract No: FA8903-16-D-0049	July 2018
CHECKED BY		
DC		



Note: Concentrations are Reported in µg/L

50.0
20.0
10.0
5.0
0.5

Z exag: 3.0

0 500 1000

HORIZONTAL SCALE IN FEET (Approximate)

TIDEWATER INC
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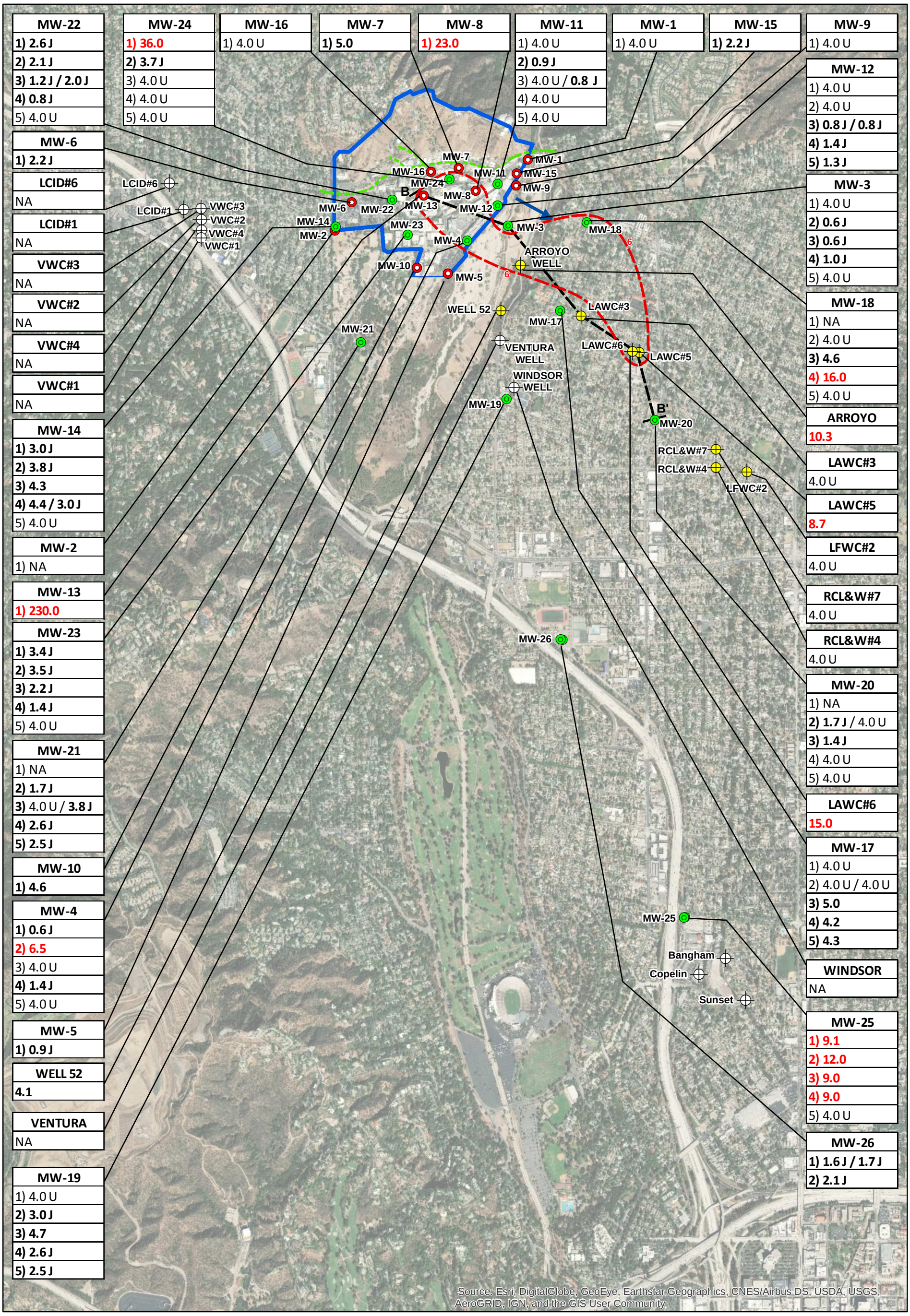
Horizontal and Vertical Extent of Carbon Tetrachloride in Groundwater April 2018

DESIGNED BY JHG DRAWN BY JHG CHECKED BY DC	JPL - Pasadena, CA Contract No: FA8903-16-D-0049	Figure 3 July 2018



Legend

- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well (Data Not Available)
- Municipal Production Well (Data From April 2018)
- Cross-Section Transect B-B'
- Estimated Isoconcentration Line (6 µg/L)
- Approximate Location of Thrust Fault
- JPL Facility Boundary
- Groundwater Flow Direction

N W E S

0 600 1,200 1,800 Feet

MW-8 / 1) 0.5 U — Well ID; Screen number; Concentration in micrograms per liter

J = Detected estimated value
U = Not detected estimated value
NA = Not Analyzed

Bold font indicates detected concentration below the State maximum contaminant level (MCL) of 6 micrograms per liter; red font indicates concentration exceeds MCL.

TIDEWATER INC
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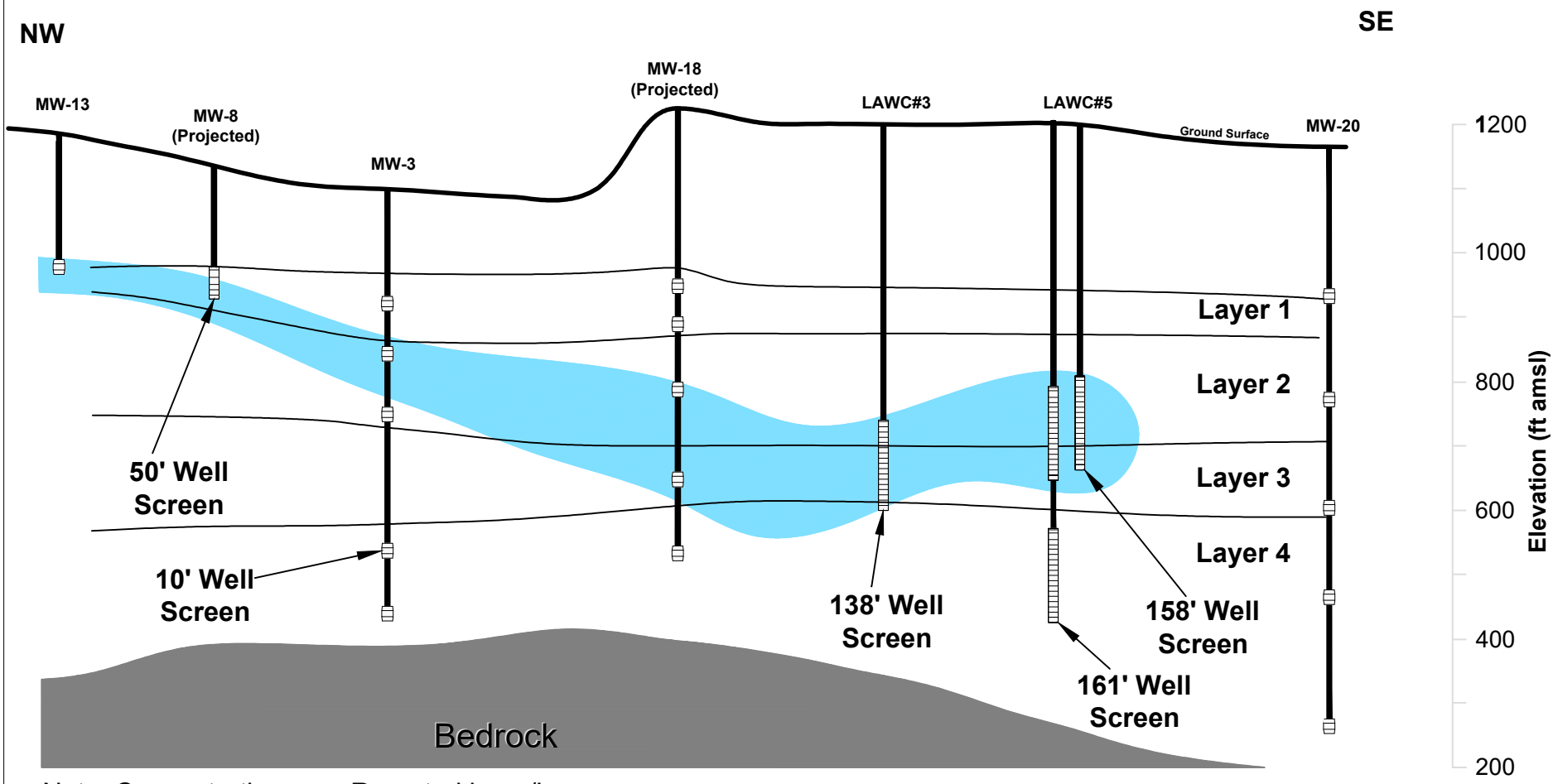
Perchlorate in Groundwater April 2018

DESIGNED BY: JHG DRAWN BY: JHG CHECKED BY: DC	JPL - Pasadena, CA Contract No: FA8903-16-D-0049	Figure 4 July 2018



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 2018

DESIGNED BY JHG DRAWN BY JHG CHECKED BY DC	JPL - Pasadena, CA Contract No: FA8903-16-D-0049	Figure 5 July 2018

MW-22
1) 0.2 J
2) 0.5 U
3) 0.5 U / 0.5 U
4) 0.5 U
5) 0.5 U

MW-24
1) 0.5 U
2) 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.5 U

MW-16
1) 0.5 U

MW-7
1) 0.5 U

MW-8
1) 0.5 U

MW-11
1) 0.5 U
2) 0.5 U
3) 0.5 U / 0.5 U
4) 0.5 U
5) 0.5 U

MW-1
1) 0.5 U

MW-15
1) 0.5 U

MW-9
1) 0.5 U

MW-12
1) 0.5 U
2) 0.5 U
3) 0.5 U / 0.5 U
4) 0.5 U
5) 0.5 U

MW-6
1) 1.0

MW-3
1) 0.5 U
2) 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.3 J

LCID#6
NA

LCID#1
NA

VWC#3
NA

VWC#2
NA

VWC#4
NA

VWC#1
NA

MW-18
1) NA
2) 0.5 U
3) 0.5 U
4) 0.7
5) 0.5 U

MW-14
1) 0.5 U
2) 0.5 J
3) 0.6
4) 0.5 U / 0.5 U
5) 0.5 U

ARROYO
0.5 U

LAWC#3
0.5 U

LAWC#5
0.6

MW-2
1) NA

LFWC#2
1.3

MW-13
1) 0.6

RCL&W#7
0.6

RCL&W#4
1.3

MW-23
1) 0.3 J
2) 0.4 J
3) 0.5 U
4) 0.5 U
5) 0.5 U

MW-20
1) NA
2) 0.5 U / 0.5 U
3) 0.3 J
4) 0.5 U
5) 0.5 U

MW-21
1) NA
2) 0.5
3) 1.1 / 1.4
4) 0.7
5) 0.8

LAWC#6
0.7

MW-17
1) 0.5 U
2) 0.5 U / 0.5 U
3) 0.8
4) 0.3 J
5) 0.4 J

MW-10
1) 0.8

WINDSOR
NA

MW-4
1) 0.5 U
2) 0.3 J
3) 0.3 J
4) 0.5 U
5) 0.5 U

MW-25
1) 0.5 U
2) 0.5 U
3) 0.4 J
4) 0.5 U
5) 0.5 U

MW-5
1) 0.5 U

WELL 52
0.8

MW-26
1) 1.2 / 0.5
2) 2.3

VENTURA
NA

MW-19
1) 0.5 U
2) 1.8
3) 0.4 J
4) 0.4 J
5) 0.3 J

MW-7 MW-1 MW-16 MW-11 MW-15 MW-24 MW-9 MW-8 MW-12 LCID#6 MW-6 MW-22 MW-13 MW-3 MW-18 LCID#1 VWC#3 VWC#2 MW-14 MW-23 MW-4 VWC#4 MW-2 VWC#1 ARROYO WELL MW-10 MW-5 WELL 52 LAWC#3 MW-17 MW-21 VENTURA WELL LAWC#6 LAWC#5 WINDSOR WELL MW-19 MW-20 RCL&W#7 RCL&W#4 LFWC#2 MW-26 MW-25 Bangham Copelin Sunset

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

N W E S

0 600 1,200 1,800 Feet

Legend

- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well (Data Not Available)
- Municipal Production Well (Data From April 2018)
- Estimated Isoconcentration Line (5 µg/L)
- JPL Facility Boundary
- Approximate Location of Thrust Fault
- Groundwater Flow Direction

MW-8
1) 0.5 U

Well ID; Concentration in micrograms per liter; Screen number

J = Detected estimated value
U = Not detected estimated value
NA = Not Analyzed

Bold font indicates detected concentration below the State maximum contaminant level (MCL) of 5 micrograms per liter; red font indicates concentration exceeds MCL.

TIDEWATER INC
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Tetrachloroethene in Groundwater April 2018

DESIGNED BY JHG DRAWN BY JHG CHECKED BY DC	JPL - Pasadena, CA Contract No: FA8903-16-D-0049	Figure 6 July 2018

MW-22
1) 0.7
2) 0.5 U
3) 0.5 U / 0.5 U
4) 0.5 U
5) 0.5 U

MW-24
1) 0.5 U
2) 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.5 U

MW-16
1) 0.5 U

MW-7
1) 0.5 U

MW-8
1) 0.5 U

MW-11
1) 0.5 U
2) 0.5 U
3) 0.5 U / 0.5 U
4) 0.5 U
5) 0.5 U

MW-1
1) 0.5 U

MW-15
1) 0.5 U

MW-9
1) 0.5 U

MW-12
1) 0.5 U
2) 0.5 U
3) 0.5 U / 0.5 U
4) 0.5 U
5) 0.5 U

MW-6
1) 4.5

MW-3
1) 0.5 U
2) 0.5 U
3) 0.5 U
4) 0.5 U
5) 0.5 U

LCID#6
NA

LCID#1
NA

MW-18
1) NA
2) 0.5 U
3) 0.5 U
4) 1.6
5) 0.5 U

VWC#3
NA

VWC#2
NA

VWC#4
NA

VWC#1
NA

MW-14
1) 1.2
2) 1.2
3) 1.0
4) 0.5 U / 0.5 U
5) 0.5 U

ARROYO
1.9

LAWC#3
0.5 U

MW-2
1) NA

LAWC#5
1.1

LFWC#2
NA

MW-13
1) 0.5 U

RCL&W#7
NA

MW-23
1) 1.8
2) 1.1
3) 0.5 U
4) 0.5 U
5) 0.5 U

RCL&W#4
NA

MW-20
1) NA
2) 0.6 / 0.9
3) 0.5 U
4) 0.5 U
5) 0.5 U

MW-21
1) NA
2) 0.2 J
3) 0.9 / 1.1
4) 0.5 U
5) 0.5 U

LAWC#6
1.5

MW-17
1) 0.5 U
2) 0.5 U / 0.5 U
3) 3.2
4) 0.6
5) 0.9

MW-10
1) 6.1

WINDSOR
NA

MW-4
1) 0.5 U
2) 1.3
3) 0.9
4) 0.4 J
5) 0.3 J

MW-25
1) 1.0
2) 0.3 J
3) 0.5 U
4) 0.5 U
5) 0.5 U

MW-5
1) 0.5 U

WELL 52
4.9

MW-26
1) 0.5 J / 0.5 U
2) 0.3 J

VENTURA
NA

MW-19
1) 0.5 U
2) 0.9
3) 0.5 U
4) 0.5 U
5) 0.5 U

LCID#6
LCID#1
VWC#3
VWC#2
VWC#4
VWC#1
MW-6
MW-22
MW-13
MW-7
MW-16
MW-24
MW-8
MW-11
MW-1
MW-15
MW-9
MW-12
MW-14
MW-2
MW-23
MW-3
MW-18
MW-4
ARROYO WELL
MW-10
MW-5
5
WELL 52
MW-17
LAWC#3
MW-21
VENTURA WELL
LAWC#6
LAWC#5
WINDSOR WELL
MW-19
MW-20
RCL&W#7
RCL&W#4
LFWC#2
MW-26
MW-25
Bangham
Copelin
Sunset

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- Deep Multi-Port Monitoring Well Location
- Shallow Monitoring Well Location
- Municipal Production Well (Data Not Available)
- Municipal Production Well (Data From April 2018)
- Estimated Isoconcentration Line (5 µg/L)
- JPL Facility Boundary
- Approximate Location of Thrust Fault
- Groundwater Flow Direction

N
W E
S

0 600 1,200 1,800
Feet

MW-8
1) 0.5 U

Well ID
Concentration in micrograms per liter
Screen number

J = Detected estimated value
U = Not detected estimated value
NA = Not Analyzed

Bold font indicates detected concentration below the State maximum contaminant level (MCL) of 5 micrograms per liter; red font indicates concentration exceeds MCL.

TIDEWATER INC
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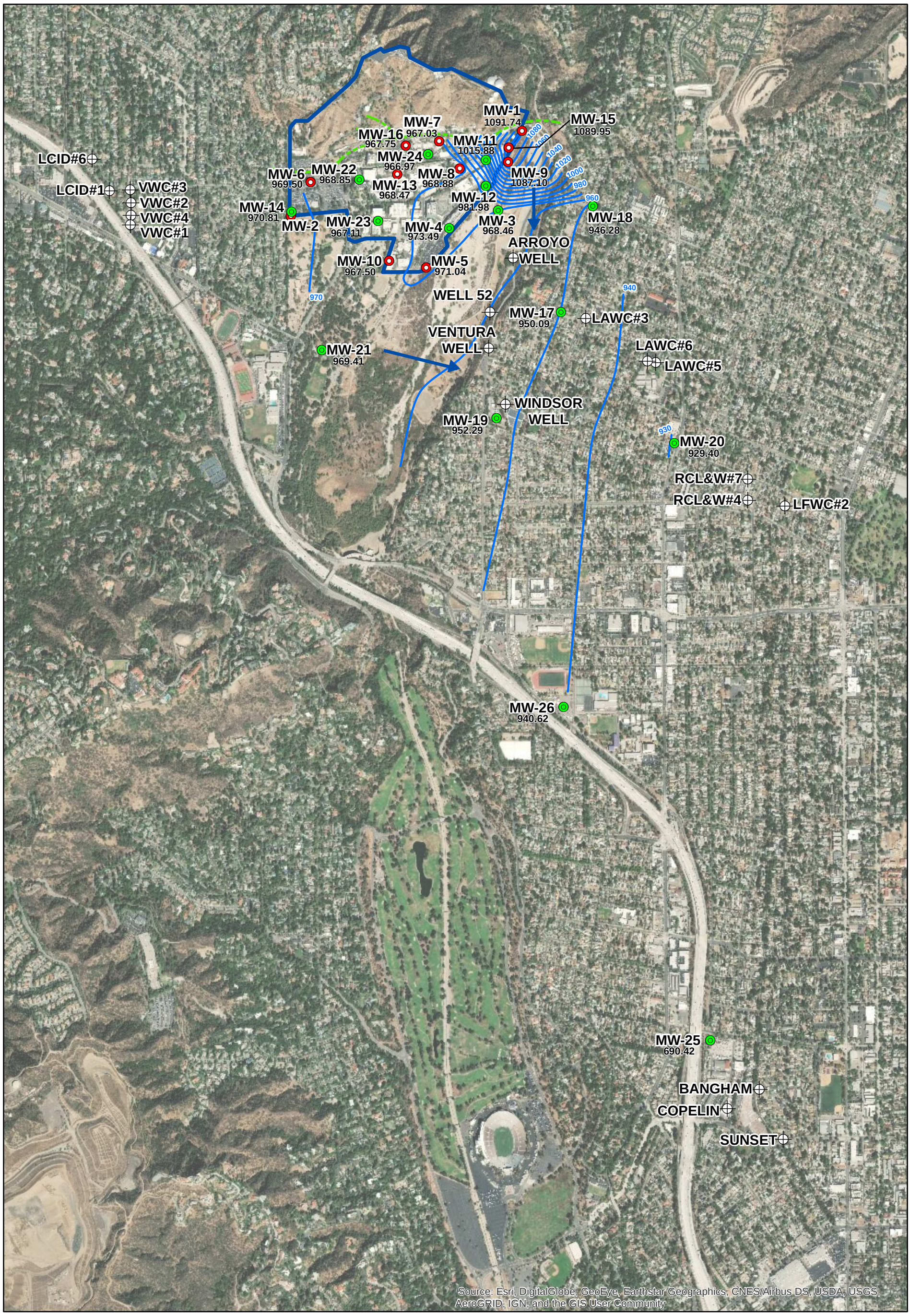
Trichloroethene in Groundwater April 2018

DESIGNED BY	JPL - Pasadena, CA	Figure 7
JHG		
DRAWN BY		
JHG	Contract No: FA8903-16-D-0049	July 2018
CHECKED BY		
DC		



Legend

- Shallow Monitoring Well Location
- Deep Multi-Port Monitoring Well Location
- JPL Facility Boundary
- 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
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Groundwater Elevation Contours
April 2018

DESIGNED BY JHG DRAWN BY JHG CHECKED BY DC	JPL - Pasadena, CA Contract No: FA8903-16-D-0049	Figure 8 July 2018

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 MCL 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													
MW-1	Apr/May 2017	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	October 2017	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	October 2017	DUP-8-4Q17	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 2018	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3-Screen-1													
MW-3-Screen-1	Apr/May 2017	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	October 2017	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 2018	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													
MW-3-Screen-2	Apr/May 2017	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.7 J**		
MW-3-Screen-2	Jul/Aug 2017	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.2 J**		
MW-3-Screen-2	October 2017	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3-Screen-2	Jan/Feb 2018	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**	**9.3**		
MW-3-Screen-2	April 2018	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6 J**		
MW-3-Screen-3													
MW-3-Screen-3	Apr/May 2017	MW-3-3	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.7 J**		
MW-3-Screen-3	Jul/Aug 2017	MW-3-3	0.5 U	0.5 U	**0.3 J**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.0 J**		
MW-3-Screen-3	October 2017	MW-3-3	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.0 J**		
MW-3-Screen-3	Jan/Feb 2018	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.4 J**		
MW-3-Screen-3	April 2018	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6 J**		
MW-3-Screen-4													
MW-3-Screen-4	Apr/May 2017	MW-3-4	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-3-Screen-4	Jul/Aug 2017	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.0 J**		
MW-3-Screen-4	October 2017	MW-3-4	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.0 J**		
MW-3-Screen-4	Jan/Feb 2018	MW-3-4	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6 J**		
MW-3-Screen-4	April 2018	MW-3-4	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.0 J**		
MW-3-Screen-5													
MW-3-Screen-5	Apr/May 2017	MW-3-5	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.7 J**		
MW-3-Screen-5	October 2017	MW-3-5	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.8 J**		
MW-3-Screen-5	April 2018	MW-3-5	0.5 U	0.5 U	**0.3 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-4-Screen-1													
MW-4-Screen-1	Apr/May 2017	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 2017	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	October 2017	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-4-Screen-1	Jan/Feb 2018	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	**Acetone**	**14.0**

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-4-Screen-1	April 2018	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	**0.6 J**		
MW-4-Screen-2													
MW-4-Screen-2	Apr/May 2017	MW-4-2	0.5 U	**5.2**	**1.3**	**0.3 J**	0.5 U	0.5 U	0.5 U	**0.9**	**4.4**	**trans-1,2-Dichloroethene**	**0.2 J**
MW-4-Screen-2	Jul/Aug 2017	MW-4-2	0.5 U	**1.3**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**4.3**		
MW-4-Screen-2	October 2017	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**	**3.8 J**		
MW-4-Screen-2	Jan/Feb 2018	MW-4-2	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Acetone**	**14.0**
MW-4-Screen-2	April 2018	MW-4-2	0.5 U	**1.3**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5 J**	**6.5**		
MW-4-Screen-3													
MW-4-Screen-3	Apr/May 2017	MW-4-3	0.5 U	**1.1**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-4-Screen-3	Jul/Aug 2017	MW-4-3	0.5 U	**0.7**	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	October 2017	MW-4-3	0.5 U	**0.8**	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	Jan/Feb 2018	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 2018	MW-4-3	0.5 U	**0.9**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-4-Screen-4													
MW-4-Screen-4	Apr/May 2017	MW-4-4	0.5 U	**1.2**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-4-Screen-4	October 2017	MW-4-4	0.5 U	**0.8**	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	April 2018	MW-4-4	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.4 J**		
MW-4-Screen-5													
MW-4-Screen-5	Apr/May 2017	MW-4-5	0.5 U	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Ethylbenzene**	**0.2 J**
MW-4-Screen-5	October 2017	MW-4-5	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Ethylbenzene** **Styrene**	**0.3 J** **0.2 J**
MW-4-Screen-5	April 2018	MW-4-5	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**	**0.2 J** **0.2 J**
MW-5													
MW-5	Apr/May 2017	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 2017	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	October 2017	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	October 2017	DUP-6-4Q17	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	Jan/Feb 2018	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	April 2018	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	**0.9 J**		
MW-6													
MW-6	Apr/May 2017	MW-6	0.5 U	**4.4**	**0.9**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.8**	**3.0 J**	**trans-1,2-Dichloroethene**	**0.2 J**
MW-6	Jul/Aug 2017	MW-6	0.5 U	**2.6**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5 J**	**2.7 J**		
MW-6	Jul/Aug 2017	DUP-7-3Q17	0.5 U	**2.7**	**0.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**2.3 J**		
MW-6	October 2017	MW-6	0.5 U	**1.8**	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**3.3 J**		
MW-6	Jan/Feb 2018	MW-6	0.5 U	**1.6**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5 J**	**3.9 J**		
MW-6	Jan/Feb 2018	DUP-6-1Q18	0.5 U	**1.5**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**3.6 J**		
MW-6	April 2018	MW-6	0.5 U	**4.5**	**1.0**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.8**	**2.2 J**	**trans-1,2-Dichloroethene**	**0.2 J**
MW-7													
MW-7	Apr/May 2017	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.7**	**50.0**	**Bromodichloromethane** **Dibromochloromethane**	**2.1** **0.5 J**
MW-7	Jul/Aug 2017	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.4**	**12.0**	**Bromodichloromethane**	**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	October 2017	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.0**	**4.2**		
MW-7	Jan/Feb 2018	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.0**	**9.6**	**Bromodichloromethane**	**0.6**
MW-7	April 2018	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.7**	**5.0**	**Bromodichloromethane**	**0.4 J**
MW-8													
MW-8	Apr/May 2017	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.2 J**	**Trichlorofluoromethane**	**0.3 J**
MW-8	Jul/Aug 2017	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Trichlorofluoromethane**	**0.1 J**
MW-8	October 2017	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.2 J**	**Trichlorofluoromethane**	**0.3 J**
MW-8	Jan/Feb 2018	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**21.0**	**Trichlorofluoromethane**	**0.6**
MW-8	April 2018	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**23.0**	**Trichlorofluoromethane**	**0.7**
MW-9													
MW-9	Apr/May 2017	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.3 J**		
MW-9	October 2017	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 2018	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													
MW-10	Apr/May 2017	MW-10	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.6 J**		
MW-10	Jul/Aug 2017	MW-10	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**		
MW-10	October 2017	MW-10	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1 J**		
MW-10	Jan/Feb 2018	MW-10	0.5 U	**3.8**	**0.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5 J**	**5.3**	**trans-1,2-Dichloroethene**	**0.2 J**
MW-10	April 2018	MW-10	0.5 U	**6.1**	**0.8**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.8**	**4.6**	**cis-1,2-Dichloroethene**	**0.3 J**
												trans-1,2-Dichloroethene	**0.3 J**
MW-11-Screen-1													
MW-11-Screen-1	Apr/May 2017	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 2017	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	**0.7 J**		
MW-11-Screen-1	October 2017	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	Jan/Feb 2018	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	April 2018	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-2													
MW-11-Screen-2	Apr/May 2017	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 2017	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 2017	DUP-5-3Q17	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	October 2017	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 2018	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 2018	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	**0.9 J**		
MW-11-Screen-3													
MW-11-Screen-3	Apr/May 2017	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Toluene**	**0.3 J**
												Vinyl Chloride	**0.4 J**
												Styrene	**0.8**
												Methyl-tert-butyl ether (MTBE)	**0.3 J**
												Ethylbenzene	**0.2 J**
MW-11-Screen-3	October 2017	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-11-Screen-3	Jan/Feb 2018	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.5 J**	**Styrene**	**0.2 J**
MW-11-Screen-3	April 2018	MW-11-3	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 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-11-Screen-3	April 2018	DUP-6-2Q18	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**0.8 J**		
MW-11-Screen-4													
MW-11-Screen-4	Apr/May 2017	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Styrene**	**0.2 J**
MW-11-Screen-4	Jul/Aug 2017	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	**0.9 J**		
MW-11-Screen-4	October 2017	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	Jan/Feb 2018	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Styrene**	**0.2 J**
MW-11-Screen-4	April 2018	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-5													
MW-11-Screen-5	Apr/May 2017	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		
MW-11-Screen-5	October 2017	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	April 2018	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Styrene**	**0.1 J**
MW-12-Screen-1													
MW-12-Screen-1	Apr/May 2017	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		
MW-12-Screen-1	Jul/Aug 2017	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		
MW-12-Screen-1	April 2018	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		
MW-12-Screen-2													
MW-12-Screen-2	Apr/May 2017	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-12-Screen-2	Jul/Aug 2017	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-12-Screen-2	October 2017	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-12-Screen-2	Jan/Feb 2018	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-12-Screen-2	April 2018	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-12-Screen-3													
MW-12-Screen-3	Apr/May 2017	MW-12-3	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**4.2**		
MW-12-Screen-3	Jul/Aug 2017	MW-12-3	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	**3.2 J**		
MW-12-Screen-3	Jul/Aug 2017	DUP-4-3Q17	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.9 J**		
MW-12-Screen-3	October 2017	MW-12-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**0.7 J**		
MW-12-Screen-3	Jan/Feb 2018	MW-12-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.4**	**0.7 J**		
MW-12-Screen-3	April 2018	MW-12-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**0.8 J**		
MW-12-Screen-3	April 2018	DUP-8-2Q18	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.5 J**	**0.8 J**		
MW-12-Screen-4													
MW-12-Screen-4	Apr/May 2017	MW-12-4	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**2.2 J**		
MW-12-Screen-4	Jul/Aug 2017	MW-12-4	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**2.6 J**		
MW-12-Screen-4	October 2017	MW-12-4	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**2.1 J**		
MW-12-Screen-4	October 2017	DUP-5-4Q17	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**2.2 J**		
MW-12-Screen-4	Jan/Feb 2018	MW-12-4	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	4.0 U		
MW-12-Screen-4	April 2018	MW-12-4	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**1.4 J**		
MW-12-Screen-5													
MW-12-Screen-5	Apr/May 2017	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**	**1.8 J**		
MW-12-Screen-5	Jul/Aug 2017	MW-12-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**2.7 J**		
MW-12-Screen-5	October 2017	MW-12-5	**0.2 J**	0.5 U	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 2018	MW-12-5	**0.2 J**	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-12-Screen-5	April 2018	MW-12-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**1.3 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-13													
MW-13	Apr/May 2017	MW-13	**0.2 J**	**0.4 J**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.5**	**160.0**	**1,4-Dioxane**	**3.7**
MW-13	Jul/Aug 2017	MW-13	**0.3 J**	**0.3 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**2.9**	**220.0**		
MW-13	Jul/Aug 2017	DUP-6-3Q17	**0.3 J**	**0.3 J**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**2.8**	**230.0**		
MW-13	October 2017	MW-13	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.0**	**69.0**	**Bromodichloromethane**	**0.2 J**
MW-13	Jan/Feb 2018	MW-13	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.1**	**83.0**	**Bromodichloromethane**	**0.4 J**
MW-13	April 2018	MW-13	**0.4 J**	0.5 U	**0.6**	**0.2 J**	**0.2 J**	0.5 U	0.5 U	**3.9**	**230.0**	**Bromodichloromethane**	**0.5 J**
MW-14-Screen-1													
MW-14-Screen-1	Apr/May 2017	MW-14-1	0.5 U	**1.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**2.6 J**		
MW-14-Screen-1	Jul/Aug 2017	MW-14-1	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**2.7 J**		
MW-14-Screen-1	Jan/Feb 2018	MW-14-1	0.5 U	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**3.7 J**	**Methyl-tert-butyl ether (MTBE)**	**0.2 J**
MW-14-Screen-1	April 2018	MW-14-1	0.5 U	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**3.0 J**		
MW-14-Screen-2													
MW-14-Screen-2	Apr/May 2017	MW-14-2	0.5 U	**1.4**	**0.3 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.5**	**4.8**		
MW-14-Screen-2	Apr/May 2017	DUP-8-2Q17	0.5 U	**1.4**	**0.4 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.5 J**	**3.8 J**		
MW-14-Screen-2	Jul/Aug 2017	MW-14-2	0.5 U	**1.7**	**0.4 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.5 J**	**3.0 J**		
MW-14-Screen-2	October 2017	MW-14-2	0.5 U	**1.3**	**0.3 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.4 J**	**3.5 J**		
MW-14-Screen-2	Jan/Feb 2018	MW-14-2	0.5 U	**1.4**	**0.3 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.4 J**	**4.9**		
MW-14-Screen-2	April 2018	MW-14-2	0.5 U	**1.2**	**0.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**3.8 J**		
MW-14-Screen-3													
MW-14-Screen-3	Apr/May 2017	MW-14-3	0.5 U	**1.1**	**0.6**	**0.3 J**	0.5 U	0.5 U	0.5 U	**0.4 J**	**5.0**		
MW-14-Screen-3	Jul/Aug 2017	MW-14-3	0.5 U	**0.9**	**0.4 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.5 J**	**3.9 J**		
MW-14-Screen-3	Jul/Aug 2017	DUP-2-3Q17	0.5 U	**1.0**	**0.4 J**	**0.3 J**	0.5 U	0.5 U	0.5 U	**0.5 J**	**4.7**		
MW-14-Screen-3	October 2017	MW-14-3	0.5 U	**0.9**	**0.5 J**	**0.3 J**	0.5 U	0.5 U	0.5 U	**0.4 J**	**4.5**		
MW-14-Screen-3	Jan/Feb 2018	MW-14-3	0.5 U	**2.1**	**1.1**	**0.6**	0.5 U	0.5 U	0.5 U	**0.9**	**5.8**		
MW-14-Screen-3	April 2018	MW-14-3	0.5 U	**1.0**	**0.6**	**0.4 J**	0.5 U	0.5 U	0.5 U	**0.5 J**	**4.3**		
MW-14-Screen-4													
MW-14-Screen-4	Apr/May 2017	MW-14-4	0.5 U	**0.4 J**	**0.5**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.3 J**	**3.7 J**		
MW-14-Screen-4	Jul/Aug 2017	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**3.8 J**		
MW-14-Screen-4	October 2017	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.0**		
MW-14-Screen-4	Jan/Feb 2018	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**4.6**		
MW-14-Screen-4	April 2018	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**4.4**		
MW-14-Screen-4	April 2018	DUP-1-2Q18	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**3.0 J**		
MW-14-Screen-5													
MW-14-Screen-5	Apr/May 2017	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 2017	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-14-Screen-5	October 2017	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.1 J**	4.0 U		
MW-14-Screen-5	Jan/Feb 2018	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Acetone** **Acrylonitrile** **Methyl-tert-butyl ether (MTBE)** **Styrene**	**15.0** **6.3** **0.5 J** **0.6**
MW-14-Screen-5	April 2018	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-15													
MW-15	Apr/May 2017	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	**0.7 J**		
MW-15	Apr/May 2017	DUP-5-2Q17	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.0 J**		
MW-15	October 2017	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	**0.6 J**		
MW-15	April 2018	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	**2.2 J**		
MW-16													
MW-16	Apr/May 2017	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.4**	**3.8 J**	**Bromodichloromethane** **Bromoform** **Dibromochloromethane** **1,4-Dioxane**	**4.2** **1.3** **1.9** **0.9 J**
MW-16	Jul/Aug 2017	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.1**	4.0 U	**Dibromochloromethane** **Bromodichloromethane**	**1.6** **3.8**
MW-16	October 2017	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**0.8 J**	**Bromodichloromethane**	**0.4 J**
MW-16	October 2017	DUP-7-4Q17	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**0.8 J**	**Bromodichloromethane**	**0.5 J**
MW-16	Jan/Feb 2018	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.7**	**0.6 J**	**Bromodichloromethane** **Bromoform** **Dibromochloromethane**	**1.1** **1.7** **1.5**
MW-16	April 2018	MW-16	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	**Bromodichloromethane** **Bromoform** **Dibromochloromethane**	**3.6** **2.4** **2.2**
MW-17-Screen-1													
MW-17-Screen-1	Apr/May 2017	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	October 2017	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 2018	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													
MW-17-Screen-2	Apr/May 2017	MW-17-2	0.5 U	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	4.0 U		
MW-17-Screen-2	Jul/Aug 2017	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	October 2017	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 2018	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	April 2018	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	April 2018	DUP-5-2Q18	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-17-Screen-3													
MW-17-Screen-3	Apr/May 2017	MW-17-3	0.5 U	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**5.3**		
MW-17-Screen-3	Jul/Aug 2017	MW-17-3	0.5 U	**1.4**	**0.3 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.3 J**	**5.6**		
MW-17-Screen-3	October 2017	MW-17-3	0.5 U	**1.3**	**0.3 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.4 J**	**4.9**		
MW-17-Screen-3	Jan/Feb 2018	MW-17-3	0.5 U	**1.3**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**5.1**		
MW-17-Screen-3	April 2018	MW-17-3	0.5 U	**3.2**	**0.8**	**0.4 J**	0.5 U	0.5 U	0.5 U	**0.6**	**5.0**		
MW-17-Screen-4													
MW-17-Screen-4	Apr/May 2017	MW-17-4	0.5 U	**0.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.0 J**	**1,4-Dioxane**	**46.0**
MW-17-Screen-4	Jul/Aug 2017	MW-17-4	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.1 J**	**0.9 J**		
MW-17-Screen-4	October 2017	MW-17-4	0.5 U	**0.6**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**4.7**		
MW-17-Screen-4	Jan/Feb 2018	MW-17-4	0.5 U	**0.8**	**0.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**4.9**		

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-17-Screen-4	Jan/Feb 2018	Dup-3-IQ18	0.5 U	**0.5**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**4.0**		
MW-17-Screen-4	April 2018	MW-17-4	0.5 U	**0.6**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**4.2**		
MW-17-Screen-5													
MW-17-Screen-5	Apr/May 2017	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		
MW-17-Screen-5	October 2017	MW-17-5	0.5 U	**0.9**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**4.3**		
MW-17-Screen-5	April 2018	MW-17-5	0.5 U	**0.9**	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5 J**	**4.3**		
MW-18-Screen-1													
MW-18-Screen-1	Apr/May 2017	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7 J**		
MW-18-Screen-2													
MW-18-Screen-2	Apr/May 2017	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 2017	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	October 2017	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 2018	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 2018	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													
MW-18-Screen-3	Apr/May 2017	MW-18-3	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**6.2**		
MW-18-Screen-3	Jul/Aug 2017	MW-18-3	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**4.3**		
MW-18-Screen-3	October 2017	MW-18-3	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**3.5 J**		
MW-18-Screen-3	October 2017	DUP-3-4Q17	**0.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**3.8 J**		
MW-18-Screen-3	Jan/Feb 2018	MW-18-3	**0.7**	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-18-Screen-3	April 2018	MW-18-3	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**4.6**		
MW-18-Screen-4													
MW-18-Screen-4	Apr/May 2017	MW-18-4	**3.5**	**1.1**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	**17.0**		
MW-18-Screen-4	Jul/Aug 2017	MW-18-4	**1.2**	**0.7**	**0.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**14.0**		
MW-18-Screen-4	October 2017	MW-18-4	**4.3**	**2.2**	**2.0**	0.5 U	0.5 U	0.5 U	0.5 U	**1.4**	**14.0**		
MW-18-Screen-4	Jan/Feb 2018	MW-18-4	**3.5**	**0.9**	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**18.0**		
MW-18-Screen-4	April 2018	MW-18-4	**7.7**	**1.6**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	**1.7**	**16.0**		
MW-18-Screen-5													
MW-18-Screen-5	Apr/May 2017	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	**Methyl-tert-butyl ether (MTBE)** **Ethylbenzene** **Styrene** **Vinyl Chloride** **Acrylonitrile** **Benzene**	**1.0** **0.2 J** **2.3** **0.3 J** **19.0** **0.3 J**
MW-18-Screen-5	Jul/Aug 2017	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	October 2017	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	Jan/Feb 2018	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	April 2018	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-19-Screen-1													
MW-19-Screen-1	Apr/May 2017	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.7**	**0.7 J**		
MW-19-Screen-1	Jul/Aug 2017	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.6**	4.0 U		
MW-19-Screen-1	October 2017	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	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-19-Screen-1	Jan/Feb 2018	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-1	April 2018	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	4.0 U		
MW-19-Screen-2													
MW-19-Screen-2	Apr/May 2017	MW-19-2	0.5 U	**1.3**	**1.7**	**0.2 J**	0.5 U	0.5 U	0.5 U	**2.9**	**3.6 J**	**cis-1,2-Dichloroethene**	**0.4 J**
MW-19-Screen-2	Jul/Aug 2017	MW-19-2	0.5 U	**1.3**	**2.5**	**0.2 J**	0.5 U	0.5 U	0.5 U	**2.7**	**2.6 J**	**cis-1,2-Dichloroethene**	**0.4 J**
MW-19-Screen-2	April 2018	MW-19-2	0.5 U	**0.9**	**1.8**	0.5 U	0.5 U	0.5 U	0.5 U	**2.2**	**3.0 J**	**cis-1,2-Dichloroethene**	**0.4 J**
												Methyl-tert-butyl ether (MTBE)	**0.2 J**
MW-19-Screen-3													
MW-19-Screen-3	Apr/May 2017	MW-19-3	0.5 U	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.5**	**4.3**		
MW-19-Screen-3	Jul/Aug 2017	MW-19-3	0.5 U	**0.2 J**	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	**3.6 J**		
MW-19-Screen-3	October 2017	MW-19-3	0.5 U	**0.2 J**	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.7**	**3.9 J**		
MW-19-Screen-3	Jan/Feb 2018	MW-19-3	0.5 U	**0.2 J**	**0.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.4**	**4.1 J**		
MW-19-Screen-3	April 2018	MW-19-3	0.5 U	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.4**	**4.7**		
MW-19-Screen-4													
MW-19-Screen-4	Apr/May 2017	MW-19-4	0.5 U	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**3.4 J**		
MW-19-Screen-4	Jul/Aug 2017	MW-19-4	0.5 U	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**2.9 J**		
MW-19-Screen-4	October 2017	MW-19-4	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**3.4 J**		
MW-19-Screen-4	Jan/Feb 2018	MW-19-4	0.5 U	**0.2 J**	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**2.4 J**		
MW-19-Screen-4	April 2018	MW-19-4	0.5 U	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**2.6 J**		
MW-19-Screen-5													
MW-19-Screen-5	Apr/May 2017	MW-19-5	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.8**	**2.2 J**		
MW-19-Screen-5	Jul/Aug 2017	MW-19-5	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.8**	**1.7 J**		
MW-19-Screen-5	October 2017	MW-19-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.0**	**2.0 J**		
MW-19-Screen-5	Jan/Feb 2018	MW-19-5	0.5 U	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**3.0**	**2.1 J**	**Bromodichloromethane**	**0.2 J**
MW-19-Screen-5	April 2018	MW-19-5	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**2.4**	**2.5 J**		
MW-20-Screen-1													
MW-20-Screen-1	Jul/Aug 2017	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													
MW-20-Screen-2	Apr/May 2017	MW-20-2	0.5 U	**2.3**	**0.5 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.5**	**2.6 J**	**Acetone**	**22.0**
MW-20-Screen-2	Jul/Aug 2017	MW-20-2	0.5 U	**0.8**	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	October 2017	MW-20-2	0.5 U	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**3.2 J**	**Carbon disulfide**	**0.6 J**
MW-20-Screen-2	Jan/Feb 2018	MW-20-2	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	4.0 UJ		
MW-20-Screen-2	April 2018	MW-20-2	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**1.7 J**	**Carbon disulfide**	**0.8 J**
MW-20-Screen-2	April 2018	DUP-7-2Q18	0.5 U	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	4.0 U	**Carbon disulfide**	**0.7 J**
MW-20-Screen-3													
MW-20-Screen-3	Apr/May 2017	MW-20-3	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Acrylonitrile**	**2.2 J**
												Styrene	**0.4 J**
MW-20-Screen-3	Apr/May 2017	DUP-2-2Q17	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Acrylonitrile**	**1.7 J**
												Styrene	**0.4 J**
MW-20-Screen-3	Jul/Aug 2017	MW-20-3	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Acrylonitrile**	**1.8 J**
												Styrene	**0.3 J**

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-20-Screen-3	Jul/Aug 2017	DUP-1-3Q17	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Acrylonitrile**	**1.6 J**
												Styrene	**0.4 J**
MW-20-Screen-3	October 2017	MW-20-3	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	**Acrylonitrile**	**1.6 J**
												Carbon disulfide	**0.6 J**
												Ethylbenzene	**0.2 J**
												Styrene	**0.4 J**
MW-20-Screen-3	October 2017	DUP-1-4Q17	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	**Acrylonitrile**	**1.8 J**
												Carbon disulfide	**0.7 J**
												Styrene	**0.3 J**
MW-20-Screen-3	Jan/Feb 2018	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	**Styrene**	**0.3 J**
MW-20-Screen-3	April 2018	MW-20-3	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.4 J**	**Carbon disulfide**	**0.9 J**
												Styrene	**0.3 J**
MW-20-Screen-4													
MW-20-Screen-4	Apr/May 2017	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		
MW-20-Screen-4	Jul/Aug 2017	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		
MW-20-Screen-4	October 2017	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		
MW-20-Screen-4	Jan/Feb 2018	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 UJ		
MW-20-Screen-4	April 2018	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		
MW-20-Screen-5													
MW-20-Screen-5	Apr/May 2017	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 2017	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	October 2017	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	Jan/Feb 2018	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 UJ	**Styrene**	**0.2 J**
MW-20-Screen-5	Jan/Feb 2018	DUP-1-1Q18	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 UJ	**Styrene**	**0.2 J**
MW-20-Screen-5	April 2018	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-21-Screen-1													
MW-21-Screen-1	Apr/May 2017	MW-21-1	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7**	**6.5**		
MW-21-Screen-1	Jul/Aug 2017	MW-21-1	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.6**	**7.7**		
MW-21-Screen-2													
MW-21-Screen-2	Apr/May 2017	MW-21-2	0.5 U	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**1.8 J**		
MW-21-Screen-2	Jul/Aug 2017	MW-21-2	0.5 U	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**1.1 J**		
MW-21-Screen-2	October 2017	MW-21-2	0.5 U	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**1.3 J**		
MW-21-Screen-2	Jan/Feb 2018	MW-21-2	0.5 U	0.5 U	**0.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**1.6 J**		
MW-21-Screen-2	April 2018	MW-21-2	0.5 U	**0.2 J**	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**1.7 J**		
MW-21-Screen-3													
MW-21-Screen-3	Apr/May 2017	MW-21-3	0.5 U	**1.0**	**0.9**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.5 J**	**4.0**		
MW-21-Screen-3	Jul/Aug 2017	MW-21-3	0.5 U	**1.1**	**1.1**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.5 J**	**3.0 J**		
MW-21-Screen-3	October 2017	MW-21-3	0.5 U	**0.9**	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**2.0 J**		
MW-21-Screen-3	Jan/Feb 2018	MW-21-3	0.5 U	**0.7**	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**2.4 J**		
MW-21-Screen-3	April 2018	MW-21-3	0.5 U	**0.9**	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5 J**	4.0 U		
MW-21-Screen-3	April 2018	DUP-2-2Q18	0.5 U	**1.1**	**1.4**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**3.8 J**		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-21-Screen-4													
MW-21-Screen-4	Apr/May 2017	MW-21-4	0.5 U	**0.6**	**2.6**	**0.2 J**	0.5 U	0.5 U	0.5 U	**11.0**	**2.4 J**	**cis-1,2-Dichloroethene**	**0.4 J**
MW-21-Screen-4	Apr/May 2017	DUP-6-2Q17	0.5 U	**0.5 J**	**2.8**	**0.2 J**	0.5 U	0.5 U	0.5 U	**11.0**	**2.6 J**	**cis-1,2-Dichloroethene**	**0.4 J**
MW-21-Screen-4	Jul/Aug 2017	MW-21-4	0.5 U	**0.3 J**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**5.6**	**2.3 J**		
MW-21-Screen-4	October 2017	MW-21-4	0.5 U	**0.2 J**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**4.6**	**1.4 J**		
MW-21-Screen-4	Jan/Feb 2018	MW-21-4	0.5 U	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**4.6**	**4.2**		
MW-21-Screen-4	April 2018	MW-21-4	0.5 U	0.5 U	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	**5.2**	**2.6 J**		
MW-21-Screen-5													
MW-21-Screen-5	Apr/May 2017	MW-21-5	0.5 U	**0.4 J**	**2.0**	**0.2 J**	0.5 U	0.5 U	0.5 U	**11.0**	**2.6 J**		
MW-21-Screen-5	Jul/Aug 2017	MW-21-5	0.5 U	0.5 U	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	**5.9**	**2.3 J**		
MW-21-Screen-5	October 2017	MW-21-5	0.5 U	0.5 U	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	**5.7**	**1.5 J**		
MW-21-Screen-5	Jan/Feb 2018	MW-21-5	0.5 U	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	**5.3**	**2.3 J**		
MW-21-Screen-5	April 2018	MW-21-5	0.5 U	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	**5.1**	**2.5 J**		
MW-22-Screen-1													
MW-22-Screen-1	Apr/May 2017	MW-22-1	0.5 U	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**3.4 J**		
MW-22-Screen-1	Jul/Aug 2017	MW-22-1	0.5 U	**0.7**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**5.6**		
MW-22-Screen-1	October 2017	MW-22-1	0.5 U	**0.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**3.0 J**		
MW-22-Screen-1	Jan/Feb 2018	MW-22-1	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**2.5 J**		
MW-22-Screen-1	Jan/Feb 2018	Dup-4-1Q18	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**2.2 J**		
MW-22-Screen-1	April 2018	MW-22-1	0.5 U	**0.7**	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**2.6 J**		
MW-22-Screen-2													
MW-22-Screen-2	Apr/May 2017	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	**3.4 J**		
MW-22-Screen-2	Apr/May 2017	DUP-3-2Q17	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.3 J**		
MW-22-Screen-2	Jul/Aug 2017	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	**4.3**		
MW-22-Screen-2	October 2017	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.7 J**		
MW-22-Screen-2	Jan/Feb 2018	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	**2.8 J**		
MW-22-Screen-2	April 2018	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1 J**		
MW-22-Screen-3													
MW-22-Screen-3	Apr/May 2017	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	**1.2 J**		
MW-22-Screen-3	Jul/Aug 2017	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	**2.3 J**		
MW-22-Screen-3	October 2017	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	**2.1 J**		
MW-22-Screen3	October 2017	DUP-4-4Q17	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-22-Screen-3	Jan/Feb 2018	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	**2.5 J**		
MW-22-Screen-3	April 2018	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	**1.2 J**	**Carbon disulfide**	**0.5 J**
MW-22-Screen-3	April 2018	DUP-3-2Q18	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**		
MW-22-Screen-4													
MW-22-Screen-4	Apr/May 2017	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	**2.0 J**		
MW-22-Screen-4	October 2017	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	**0.6 J**		
MW-22-Screen-4	April 2018	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	**0.8 J**	**Carbon disulfide**	**0.6 J**
MW-22-Screen-5													
MW-22-Screen-5	Apr/May 2017	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	October 2017	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		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-22-Screen-5	April 2018	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													
MW-23-Screen-1	Apr/May 2017	MW-23-1	0.5 U	**5.3**	**0.8**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.7**	**2.9 J**		
MW-23-Screen-1	Jul/Aug 2017	MW-23-1	0.5 U	**1.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**3.9 J**		
MW-23-Screen-1	October 2017	MW-23-1	0.5 U	**3.4**	**0.4 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.9**	**3.8 J**		
MW-23-Screen-1	Jan/Feb 2018	MW-23-1	0.5 U	**1.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**4.3**		
MW-23-Screen-1	April 2018	MW-23-1	0.5 U	**1.8**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**3.4 J**		
MW-23-Screen-2													
MW-23-Screen-2	Apr/May 2017	MW-23-2	0.5 U	**4.4**	**1.3**	**0.4 J**	0.5 U	0.5 U	0.5 U	**0.8**	**3.6 J**		
MW-23-Screen-2	Jul/Aug 2017	MW-23-2	0.5 U	**4.0**	**0.9**	**0.3 J**	0.5 U	0.5 U	0.5 U	**0.8**	**3.9 J**		
MW-23-Screen-2	Jul/Aug 2017	DUP-3-3Q17	0.5 U	**4.1**	**0.8**	**0.3 J**	0.5 U	0.5 U	0.5 U	**0.9**	**4.7**		
MW-23-Screen-2	October 2017	MW-23-2	0.5 U	**1.1**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**4.2**		
MW-23-Screen-2	Jan/Feb 2018	MW-23-2	0.5 U	**1.3**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**5.1**		
MW-23-Screen-2	April 2018	MW-23-2	0.5 U	**1.1**	**0.4 J**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.4 J**	**3.5 J**		
MW-23-Screen-3													
MW-23-Screen-3	Apr/May 2017	MW-23-3	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**3.0 J**		
MW-23-Screen-3	Jul/Aug 2017	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.7 J**		
MW-23-Screen-3	October 2017	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.8 J**		
MW-23-Screen-3	Jan/Feb 2018	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 2018	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.2 J**		
MW-23-Screen-4													
MW-23-Screen-4	Apr/May 2017	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	**0.9 J**		
MW-23-Screen-4	Apr/May 2017	DUP-7-2Q17	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**		
MW-23-Screen-4	October 2017	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	**1.2 J**		
MW-23-Screen-4	April 2018	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	**1.4 J**		
MW-23-Screen-5													
MW-23-Screen-5	Apr/May 2017	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	**Styrene**	**0.4 J**
MW-23-Screen-5	October 2017	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	**Styrene**	**0.3 J**
MW-23-Screen-5	April 2018	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	**Styrene**	**0.3 J**
MW-24-Screen-1													
MW-24-Screen-1	Apr/May 2017	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.4**	**58.0**		
MW-24-Screen-1	Jul/Aug 2017	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**12.0**		
MW-24-Screen-1	October 2017	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**	**3.1 J**	**Bromodichloromethane**	**0.3 J**
MW-24-Screen-1	Jan/Feb 2018	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**	**16.0**		
MW-24-Screen-1	April 2018	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.1**	**36.0**		
MW-24-Screen-2													
MW-24-Screen-2	Apr/May 2017	MW-24-2	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.9 J**		
MW-24-Screen-2	Jul/Aug 2017	MW-24-2	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.2 J**	**1.9 J**		
MW-24-Screen-2	October 2017	MW-24-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**2.2 J**		
MW-24-Screen-2	Jan/Feb 2018	MW-24-2	0.5 U	0.5 U	0.5 U	**0.2 J**	**1.0**	0.5 U	0.5 U	0.5 U	**2.2 J**		
MW-24-Screen-2	April 2018	MW-24-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.7 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-3													
MW-24-Screen-3	Apr/May 2017	MW-24-3	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-24-Screen-3	Jul/Aug 2017	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		
MW-24-Screen-3	October 2017	MW-24-3	0.5 U	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-24-Screen-3	Jan/Feb 2018	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		
MW-24-Screen-3	April 2018	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	**Carbon disulfide**	**0.9 J**
MW-24-Screen-4													
MW-24-Screen-4	Apr/May 2017	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	**2.2 J**	**Ethylbenzene** **Styrene**	**0.2 J** **0.3 J**
MW-24-Screen-4	October 2017	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**	**0.2 J**
MW-24-Screen-4	April 2018	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**	**0.2 J**
MW-24-Screen-5													
MW-24-Screen-5	Apr/May 2017	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	October 2017	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 2018	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													
MW-25-Screen-1	Apr/May 2017	MW-25-1	0.5 U	**1.7**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.8**	**8.8**	**Methyl-tert-butyl ether (MTBE)**	**0.5 J**
MW-25-Screen-1	Jul/Aug 2017	MW-25-1	0.5 U	**1.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**7.2**	**Methyl-tert-butyl ether (MTBE)**	**0.5 J**
MW-25-Screen-1	October 2017	MW-25-1	0.5 U	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**7.1**	**Methyl-tert-butyl ether (MTBE)**	**0.5 J**
MW-25-Screen-1	Jan/Feb 2018	MW-25-1	0.5 U	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**6.0**	**Methyl-tert-butyl ether (MTBE)**	**0.4 J**
MW-25-Screen-1	April 2018	MW-25-1	0.5 U	**1.0**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**9.1**	**Methyl-tert-butyl ether (MTBE)**	**0.4 J**
MW-25-Screen-2													
MW-25-Screen-2	Apr/May 2017	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**13.0**		
MW-25-Screen-2	Apr/May 2017	DUP-1-2Q17	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**12.0**		
MW-25-Screen-2	Jul/Aug 2017	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**12.0**		
MW-25-Screen-2	October 2017	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.1 J**	**12.0**		
MW-25-Screen 2	October 2017	DUP-2-4Q17	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.1 J**	**12.0**		
MW-25-Screen-2	Jan/Feb 2018	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**12.0**		
MW-25-Screen-2	April 2018	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**	**12.0**		
MW-25-Screen-3													
MW-25-Screen-3	Apr/May 2017	MW-25-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**9.2**		
MW-25-Screen-3	Jul/Aug 2017	MW-25-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**8.4**		
MW-25-Screen-3	October 2017	MW-25-3	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**9.8**		
MW-25-Screen-3	Jan/Feb 2018	MW-25-3	0.5 U	0.5 U	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.4 J**	**9.1**		
MW-25-Screen-3	April 2018	MW-25-3	0.5 U	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**9.0**	**Carbon disulfide**	**0.9 J**
MW-25-Screen-4													
MW-25-Screen-4	Apr/May 2017	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	**8.2**		
MW-25-Screen-4	Jul/Aug 2017	MW-25-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.5**		
MW-25-Screen-4	October 2017	MW-25-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**8.1**		
MW-25-Screen-4	Jan/Feb 2018	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	**6.9**		
MW-25-Screen-4	April 2018	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	**9.0**	**Carbon disulfide**	**0.7 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-25-Screen-5													
MW-25-Screen-5	Apr/May 2017	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	Jul/Aug 2017	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	October 2017	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 2018	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	April 2018	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													
MW-26-Screen-1	Apr/May 2017	MW-26-1	0.5 U	**1.1**	**3.4**	**0.2 J**	0.5 U	0.5 U	0.5 U	**1.0**	**1.9 J**	**cis-1,2-Dichloroethene**	**0.3 J**
MW-26-Screen-1	Apr/May 2017	DUP-4-2Q17	0.5 U	**1.2**	**3.8**	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.9**	**3.0 J**	**cis-1,2-Dichloroethene**	**0.3 J**
MW-26-Screen-1	Jul/Aug 2017	MW-26-1	0.5 U	**0.2 J**	**0.7**	0.5 U	0.5 U	0.5 U	0.5 U	**0.3 J**	**2.4 J**		
MW-26-Screen-1	October 2017	MW-26-1	0.5 U	**0.2 J**	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**1.7 J**		
MW-26-Screen-1	Jan/Feb 2018	MW-26-1	0.5 U	0.5 U	**0.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**1.3 J**		
MW-26-Screen-1	April 2018	MW-26-1	0.5 U	**0.5 J**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**0.5**	**1.6 J**		
MW-26-Screen-1	April 2018	DUP-4-2Q18	0.5 U	0.5 U	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	**0.2 J**	**1.7 J**		
MW-26-Screen-2													
MW-26-Screen-2	Apr/May 2017	MW-26-2	0.5 U	**0.3 J**	**2.4**	0.5 U	0.5 U	0.5 U	0.5 U	**1.7**	**3.2 J**	**Bromodichloromethane**	**0.2 J**
MW-26-Screen-2	Jul/Aug 2017	MW-26-2	0.5 U	**0.3 J**	**1.8**	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	**3.9 J**		
MW-26-Screen-2	October 2017	MW-26-2	0.5 U	0.5 U	**1.5**	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	**2.5 J**	**Bromodichloromethane**	**0.2 J**
												cis-1,2-Dichloroethene	**0.3 J**
MW-26-Screen-2	Jan/Feb 2018	MW-26-2	0.5 U	**0.4 J**	**2.7**	0.5 U	0.5 U	0.5 U	0.5 U	**2.0**	**3.2 J**	**cis-1,2-Dichloroethene**	**0.3 J**
MW-26-Screen-2	Jan/Feb 2018	DUP-2-1Q18	0.5 U	**0.2 J**	**2.3**	0.5 U	0.5 U	0.5 U	0.5 U	**1.4**	**3.0 J**		
MW-26-Screen-2	April 2018	MW-26-2	0.5 U	**0.3 J**	**2.3**	0.5 U	0.5 U	0.5 U	0.5 U	**1.9**	**2.1 J**	**cis-1,2-Dichloroethene**	**0.3 J**
Analyte concentration exceeds the standard for:													
CA MCL			0.5	5.0	5.0	5.0	0.5	6.0	1200.0	TTHM	6.0		
EPA REGION IX MCL			5.0	5.0	5.0	NE	5.0	7.0	NE	TTHM	NE		

Notes

DUP(E)	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 THMs (Bromodichloromethane, Bromoform, Dibromochloromethane, and Chloroform) as an annual average
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 2

SUMMARY OF METALS DETECTED DURING THE LAST FIVE

SAMPLING EVENTS OF THE LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM

(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 (µg/L)
MW-1						
MW-1	Apr/May 2017	MW-1	2.0 U	1.0 U	3.0 UJ	**0.8 J**
MW-1	October 2017	MW-1	NA	NA	3.0 J	2.0 U
MW-1	October 2017	DUP-8-4Q17	NA	NA	3.0 J	2.0 U
MW-1	April 2018	MW-1	2.0 U	1.0 U	3.0 U	2.0 U
MW-3-Screen-1						
MW-3-Screen-1	Apr/May 2017	MW-3-1	2.0 U	1.0 U	**0.8 J**	2.0 U
MW-3-Screen-1	Apr/May 2017	MW-3-1	2.0 U	1.0 U	**0.8 J**	2.0 U
MW-3-Screen-1	October 2017	MW-3-1	NA	NA	3.0 U	2.0 U
MW-3-Screen-1	April 2018	MW-3-1	2.0 U	1.0 U	3.0 U	2.0 U
MW-3-Screen-2						
MW-3-Screen-2	Apr/May 2017	MW-3-2	2.0 U	1.0 U	**1.3 J**	2.0 U
MW-3-Screen-2	Jul/Aug 2017	MW-3-2	NA	NA	3.0 U	2.0 U
MW-3-Screen-2	October 2017	MW-3-2	NA	NA	3.0 U	2.0 U
MW-3-Screen-2	Jan/Feb 2018	MW-3-2	NA	NA	**1.4 J**	2.0 U
MW-3-Screen-2	April 2018	MW-3-2	2.0 U	1.0 UJ	3.0 U	2.0 U
MW-3-Screen-3						
MW-3-Screen-3	Jan/Feb 2017	MW-3-3	NA	NA	**3.6**	2.0 U
MW-3-Screen-3	Apr/May 2017	MW-3-3	**3.8**	1.0 U	**4.8**	2.0 U
MW-3-Screen-3	Jul/Aug 2017	MW-3-3	NA	NA	2.4 U	**1.3 J**
MW-3-Screen-3	October 2017	MW-3-3	NA	NA	**2.4 J**	**2.1**
MW-3-Screen-3	Jan/Feb 2018	MW-3-3	NA	NA	**2.1 J**	**0.9 J**
MW-3-Screen-3	April 2018	MW-3-3	2.0 U	1.0 UJ	3.0 U	2.0 U
MW-3-Screen-4						
MW-3-Screen-4	Jan/Feb 2017	MW-3-4	NA	NA	**17.0**	2.0 U
MW-3-Screen-4	Jan/Feb 2017	DUP-2-1Q17	NA	NA	**8.1**	2.0 U
MW-3-Screen-4	Apr/May 2017	MW-3-4	**18.0**	1.0 U	**31.0**	2.0 U
MW-3-Screen-4	Jul/Aug 2017	MW-3-4	NA	NA	**38.0**	2.0 U
MW-3-Screen-4	October 2017	MW-3-4	NA	NA	**20.0**	2.0 U
MW-3-Screen-4	Jan/Feb 2018	MW-3-4	NA	NA	**31.0**	2.0 U
MW-3-Screen-4	April 2018	MW-3-4	**6.0**	1.0 UJ	**11.0**	2.0 U
MW-3-Screen-5						
MW-3-Screen-5	Apr/May 2017	MW-3-5	**3.3**	1.0 U	**5.2**	2.0 U
MW-3-Screen-5	October 2017	MW-3-5	NA	NA	**11.0**	2.0 U
MW-3-Screen-5	April 2018	MW-3-5	2.0 U	1.0 UJ	3.0 U	2.0 U
MW-4-Screen-1						
MW-4-Screen-1	Apr/May 2017	MW-4-1	2.0 U	1.0 U	3.0 U	2.0 U
MW-4-Screen-1	Jul/Aug 2017	MW-4-1	NA	NA	1.8 U	2.0 U
MW-4-Screen-1	October 2017	MW-4-1	NA	NA	3.0 UJ	2.0 U
MW-4-Screen-1	Jan/Feb 2018	MW-4-1	NA	NA	3.0 U	2.0 U
MW-4-Screen-1	April 2018	MW-4-1	2.0 U	1.0 U	3.0 U	2.0 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-4-Screen-2						
MW-4-Screen-2	Apr/May 2017	MW-4-2	2.0 U	1.0 U	**1.7 J**	2.0 U
MW-4-Screen-2	Jul/Aug 2017	MW-4-2	NA	NA	**4.2**	2.0 U
MW-4-Screen-2	October 2017	MW-4-2	NA	NA	**1.6 J**	2.0 U
MW-4-Screen-2	Jan/Feb 2018	MW-4-2	NA	NA	3.0 U	2.0 U
MW-4-Screen-2	April 2018	MW-4-2	2.0 U	1.0 U	**1.9 J**	**1.8 J**
MW-4-Screen-3						
MW-4-Screen-3	Apr/May 2017	MW-4-3	2.0 U	**0.1 J**	**55.0**	2.0 U
MW-4-Screen-3	Jul/Aug 2017	MW-4-3	NA	NA	**8.6**	2.0 U
MW-4-Screen-3	October 2017	MW-4-3	NA	NA	**87.0 J**	2.0 U
MW-4-Screen-3	Jan/Feb 2018	MW-4-3	NA	NA	3.0 U	2.0 U
MW-4-Screen-3	April 2018	MW-4-3	2.0 U	1.0 U	**2.8 J**	2.0 U
MW-4-Screen-4						
MW-4-Screen-4	Apr/May 2017	MW-4-4	2.0 U	1.0 U	3.0 U	2.0 U
MW-4-Screen-4	October 2017	MW-4-4	NA	NA	**0.6 J**	2.0 U
MW-4-Screen-4	April 2018	MW-4-4	2.0 U	1.0 U	**0.6 J**	2.0 U
MW-4-Screen-5						
MW-4-Screen-5	Apr/May 2017	MW-4-5	2.0 U	1.0 U	3.0 U	2.0 U
MW-4-Screen-5	October 2017	MW-4-5	NA	NA	**1.3 J**	2.0 U
MW-4-Screen-5	April 2018	MW-4-5	2.0 U	1.0 U	**0.7 J**	2.0 U
MW-5						
MW-5	Apr/May 2017	MW-5	2.0 U	1.0 U	1.0 U	2.0 U
MW-5	Jul/Aug 2017	MW-5	NA	NA	1.2 U	2.0 U
MW-5	October 2017	MW-5	NA	NA	**1.0 J**	2.0 U
MW-5	October 2017	DUP-6-4Q17	NA	NA	**1.2 J**	2.0 U
MW-5	Jan/Feb 2018	MW-5	NA	NA	3.0 U	2.0 U
MW-5	April 2018	MW-5	2.0 U	1.0 U	**0.7 J**	2.0 U
MW-6						
MW-6	Apr/May 2017	MW-6	2.0 U	1.0 U	**80.0**	**1.6 J**
MW-6	Jul/Aug 2017	MW-6	NA	NA	**30.0**	2.0 U
MW-6	Jul/Aug 2017	DUP-7-3Q17	NA	NA	**120.0**	**2.0**
MW-6	October 2017	MW-6	NA	NA	**1100.0**	**1.2 J**
MW-6	Jan/Feb 2018	MW-6	NA	NA	**90.0**	**1.5 J**
MW-6	Jan/Feb 2018	DUP-6-1Q18	NA	NA	**32.0**	**1.7 J**
MW-6	April 2018	MW-6	2.0 U	1.0 U	**24.0**	**1.6 J**
MW-7						
MW-7	Apr/May 2017	MW-7	2.0 U	1.0 U	**64.0 J**	2.9 U
MW-7	Jul/Aug 2017	MW-7	NA	NA	**7400.0**	**1.1 J**
MW-7	October 2017	MW-7	NA	NA	**1200.0 J**	**1.3 J**
MW-7	Jan/Feb 2018	MW-7	NA	NA	**200.0**	**0.7 J**
MW-7	April 2018	MW-7	**1.0 J**	1.0 U	**54.0**	4.0 U
MW-8						
MW-8	Apr/May 2017	MW-8	2.0 U	1.0 U	2.3 U	2.0 U
MW-8	Jul/Aug 2017	MW-8	NA	NA	1.9 U	**0.8 J**
MW-8	October 2017	MW-8	NA	NA	**14.0 J**	2.0 U
MW-8	Jan/Feb 2018	MW-8	NA	NA	3.0 U	**1.4 J**

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-8	April 2018	MW-8	**0.9 J**	1.0 U	**4.6**	**1.2 J**
MW-9						
MW-9	Apr/May 2017	MW-9	2.0 U	1.0 U	**19.0 J**	1.4 U
MW-9	October 2017	MW-9	NA	NA	**8.9 J**	2.0 U
MW-9	April 2018	MW-9	2.0 U	**0.1 J**	**3.0**	2.0 U
MW-10						
MW-10	Apr/May 2017	MW-10	2.0 U	1.0 U	**3.5**	**2.5**
MW-10	Jul/Aug 2017	MW-10	NA	NA	**3.8**	**2.9**
MW-10	October 2017	MW-10	NA	NA	**2.6 J**	**2.0**
MW-10	Jan/Feb 2018	MW-10	NA	NA	**4.9**	**2.3**
MW-10	April 2018	MW-10	2.0 U	1.0 U	**10.0**	**1.3 J**
MW-11-Screen-1						
MW-11-Screen-1	Apr/May 2017	MW-11-1	2.0 U	1.0 U	3.0 U	2.0 U
MW-11-Screen-1	Jul/Aug 2017	MW-11-1	NA	NA	2.2 U	2.0 U
MW-11-Screen-1	October 2017	MW-11-1	NA	NA	3.0 U	2.0 UJ
MW-11-Screen-1	Jan/Feb 2018	MW-11-1	NA	NA	3.0 U	2.0 U
MW-11-Screen-1	April 2018	MW-11-1	2.0 U	**0.1 J**	**0.9 J**	2.0 U
MW-11-Screen-2						
MW-11-Screen-2	Apr/May 2017	MW-11-2	2.0 U	1.0 U	**0.7 J**	1.0 U
MW-11-Screen-2	Jul/Aug 2017	MW-11-2	NA	NA	2.1 U	2.0 U
MW-11-Screen-2	Jul/Aug 2017	DUP-5-3Q17	NA	NA	2.0 U	2.0 U
MW-11-Screen-2	October 2017	MW-11-2	NA	NA	3.0 U	2.0 U
MW-11-Screen-2	Jan/Feb 2018	MW-11-2	NA	NA	3.0 U	2.0 U
MW-11-Screen-2	April 2018	MW-11-2	2.0 U	1.0 U	3.0 U	2.0 U
MW-11-Screen-3						
MW-11-Screen-3	Apr/May 2017	MW-11-3	2.0 U	1.0 U	**1.1 J**	2.0 U
MW-11-Screen-3	Jul/Aug 2017	MW-11-3	NA	NA	2.9 U	2.0 U
MW-11-Screen-3	October 2017	MW-11-3	NA	NA	3.0 U	2.0 U
MW-11-Screen-3	Jan/Feb 2018	MW-11-3	NA	NA	3.0 U	2.0 U
MW-11-Screen-3	April 2018	MW-11-3	2.0 U	**0.1 J**	**1.9 J**	2.0 U
MW-11-Screen-3	April 2018	DUP-6-2Q18	2.0 U	1.0 U	**0.8 J**	2.0 U
MW-11-Screen-4						
MW-11-Screen-4	Apr/May 2017	MW-11-4	2.0 U	1.0 U	**1.2 J**	2.0 U
MW-11-Screen-4	October 2017	MW-11-4	NA	NA	3.0 U	2.0 U
MW-11-Screen-4	April 2018	MW-11-4	2.0 U	1.0 U	3.0 U	2.0 U
MW-11-Screen-5						
MW-11-Screen-5	Apr/May 2017	MW-11-5	**6.1**	**0.4 J**	**2.1 J**	2.0 U
MW-11-Screen-5	October 2017	MW-11-5	NA	NA	**1.3 J**	2.0 U
MW-11-Screen-5	April 2018	MW-11-5	**7.4**	**0.9 J**	3.0 U	2.0 U
MW-12-Screen-1						
MW-12-Screen-1	Apr/May 2017	MW-12-1	2.0 U	1.0 U	**1.8 J**	2.0 U
MW-12-Screen-1	Jul/Aug 2017	MW-12-1	NA	NA	2.9 U	2.0 U
MW-12-Screen-1	April 2018	MW-12-1	2.0 U	1.0 U	3.0 U	2.0 U
MW-12-Screen-2						
MW-12-Screen-2	Apr/May 2017	MW-12-2	2.0 U	1.0 U	**1.2 J**	2.0 U
MW-12-Screen-2	Jul/Aug 2017	MW-12-2	NA	NA	1.9 U	4.0 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-12-Screen-2	October 2017	MW-12-2	NA	NA	**0.7 J**	2.0 U
MW-12-Screen-2	Jan/Feb 2018	MW-12-2	NA	NA	3.0 U	2.0 U
MW-12-Screen-2	April 2018	MW-12-2	2.0 U	1.0 U	**1.0 J**	2.0 U
MW-12-Screen-3						
MW-12-Screen-3	Apr/May 2017	MW-12-3	2.0 U	1.0 U	**0.9 J**	**0.8 J**
MW-12-Screen-3	Jul/Aug 2017	MW-12-3	NA	NA	1.8 U	2.0 U
MW-12-Screen-3	Jul/Aug 2017	DUP-4-3Q17	NA	NA	2.4 U	2.0 U
MW-12-Screen-3	October 2017	MW-12-3	NA	NA	3.0 UJ	2.0 U
MW-12-Screen-3	Jan/Feb 2018	MW-12-3	NA	NA	3.0 U	2.0 U
MW-12-Screen-3	April 2018	MW-12-3	**1.0 J**	1.0 U	3.0 U	2.0 U
MW-12-Screen-3	April 2018	DUP-8-2Q18	2.0 U	1.0 U	**0.5 J**	2.0 U
MW-12-Screen-4						
MW-12-Screen-4	Apr/May 2017	MW-12-4	**1.4 J**	1.0 U	**1.1 J**	**0.8 J**
MW-12-Screen-4	October 2017	MW-12-4	NA	NA	**1.0 J**	2.0 U
MW-12-Screen-4	October 2017	DUP-5-4Q17	NA	NA	**0.8 J**	**0.7 J**
MW-12-Screen-4	April 2018	MW-12-4	**0.9 J**	1.0 U	**0.7 J**	2.0 U
MW-12-Screen-5						
MW-12-Screen-5	Apr/May 2017	MW-12-5	**1.8 J**	1.0 U	**1.8 J**	**1.5 J**
MW-12-Screen-5	October 2017	MW-12-5	NA	NA	**1.3 J**	**1.0 J**
MW-12-Screen-5	April 2018	MW-12-5	**1.9 J**	**0.2 J**	**1.4 J**	2.0 U
MW-13						
MW-13	Apr/May 2017	MW-13	2.0 U	**0.1 J**	**330.0 J**	**4.0**
MW-13	Jul/Aug 2017	MW-13	NA	NA	**1300.0**	**2.5**
MW-13	Jul/Aug 2017	DUP-6-3Q17	NA	NA	**680.0**	**2.7**
MW-13	October 2017	MW-13	NA	NA	**1500.0 J**	**3.6**
MW-13	Jan/Feb 2018	MW-13	NA	NA	**3500.0**	**4.6**
MW-13	April 2018	MW-13	2.0 U	**0.5 J**	**170.0**	2.0 U
MW-14-Screen-1						
MW-14-Screen-1	Apr/May 2017	MW-14-1	2.0 U	1.0 U	**1.2 J**	0.8 U
MW-14-Screen-1	Jul/Aug 2017	MW-14-1	NA	NA	1.8 U	**0.9 J**
MW-14-Screen-1	Jan/Feb 2018	MW-14-1	NA	NA	3.0 U	2.0 U
MW-14-Screen-1	April 2018	MW-14-1	**1.0 J**	1.0 U	**2.3 J**	**1.8 J**
MW-14-Screen-2						
MW-14-Screen-2	Apr/May 2017	MW-14-2	2.0 U	1.0 U	**0.6 J**	1.8 U
MW-14-Screen-2	Apr/May 2017	DUP-8-2Q17	2.0 U	1.0 U	**0.7 J**	**1.7 J**
MW-14-Screen-2	Jul/Aug 2017	MW-14-2	NA	NA	1.0 U	**0.9 J**
MW-14-Screen-2	October 2017	MW-14-2	NA	NA	3.0 UJ	2.0 U
MW-14-Screen-2	Jan/Feb 2018	MW-14-2	NA	NA	3.0 U	**0.9 J**
MW-14-Screen-2	April 2018	MW-14-2	2.0 U	1.0 U	3.0 U	**0.9 J**
MW-14-Screen-3						
MW-14-Screen-3	Apr/May 2017	MW-14-3	2.0 U	1.0 U	**0.7 J**	1.0 U
MW-14-Screen-3	Jul/Aug 2017	MW-14-3	NA	NA	1.0 U	2.0 UJ
MW-14-Screen-3	Jul/Aug 2017	DUP-2-3Q17	NA	NA	0.8 U	2.0 UJ
MW-14-Screen-3	October 2017	MW-14-3	NA	NA	3.0 UJ	2.0 U
MW-14-Screen-3	Jan/Feb 2018	MW-14-3	NA	NA	3.0 U	2.0 U
MW-14-Screen-3	April 2018	MW-14-3	2.0 U	1.0 U	**0.7 J**	2.0 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-14-Screen-4						
MW-14-Screen-4	Apr/May 2017	MW-14-4	2.0 U	1.0 U	**2.0 J**	**1.8 J**
MW-14-Screen-4	October 2017	MW-14-4	NA	NA	**2.3 J**	**1.8 J**
MW-14-Screen-4	April 2018	MW-14-4	2.0 U	1.0 U	**2.0 J**	**2.8**
MW-14-Screen-4	April 2018	DUP-1-2Q18	2.0 U	1.0 U	**3.7**	**2.8**
MW-14-Screen-5						
MW-14-Screen-5	Apr/May 2017	MW-14-5	2.0 U	1.0 U	**0.9 J**	2.0 U
MW-14-Screen-5	October 2017	MW-14-5	NA	NA	**0.9 J**	2.0 U
MW-14-Screen-5	April 2018	MW-14-5	2.0 U	1.0 U	**0.7 J**	2.0 U
MW-15						
MW-15	Apr/May 2017	MW-15	**1.1 J**	1.0 U	2.0 U	**0.9 J**
MW-15	Apr/May 2017	DUP-5-2Q17	**1.1 J**	1.0 U	3.2 U	**0.8 J**
MW-15	Jul/Aug 2017	MW-15	NA	NA	**5.9**	2.0 U
MW-15	October 2017	MW-15	NA	NA	**29.0 J**	2.0 U
MW-15	Jan/Feb 2018	MW-15	NA	NA	**6.8**	2.0 U
MW-15	Jan/Feb 2018	DUP-7-1Q18	NA	NA	**5.0**	2.0 U
MW-15	April 2018	MW-15	**1.0 J**	1.0 U	**2.8 J**	2.0 U
MW-16						
MW-16	Apr/May 2017	MW-16	**3.9**	1.0 U	**4.7 J**	2.7 U
MW-16	Jul/Aug 2017	MW-16	NA	NA	**76.0**	**1.6 J**
MW-16	October 2017	MW-16	NA	NA	**490.0 J**	**1.7 J**
MW-16	October 2017	DUP-7-4Q17	NA	NA	**1100.0 J**	**1.9 J**
MW-16	Jan/Feb 2018	MW-16	NA	NA	**4600.0**	**1.9 J**
MW-16	April 2018	MW-16	NA	NA	NA	NA
MW-17-Screen-1						
MW-17-Screen-1	Apr/May 2017	MW-17-1	2.0 U	1.0 U	3.0 U	2.0 U
MW-17-Screen-1	Apr/May 2017	MW-17-1	2.0 U	1.0 U	3.0 U	2.0 U
MW-17-Screen-1	October 2017	MW-17-1	NA	NA	3.0 U	2.0 U
MW-17-Screen-1	April 2018	MW-17-1	2.0 U	1.0 U	3.0 U	2.0 U
MW-17-Screen-2						
MW-17-Screen-2	Apr/May 2017	MW-17-2	2.0 U	1.0 U	3.0 U	2.0 U
MW-17-Screen-2	Jul/Aug 2017	MW-17-2	NA	NA	3.0 U	2.0 U
MW-17-Screen-2	October 2017	MW-17-2	NA	NA	3.0 U	2.0 U
MW-17-Screen-2	Jan/Feb 2018	MW-17-2	NA	NA	3.0 U	2.0 U
MW-17-Screen-2	April 2018	MW-17-2	2.0 U	1.0 U	3.0 U	2.0 U
MW-17-Screen-2	April 2018	DUP-5-2Q18	2.0 U	1.0 U	3.0 U	2.0 U
MW-17-Screen-3						
MW-17-Screen-3	Apr/May 2017	MW-17-3	2.0 U	1.0 U	3.0 U	2.0 U
MW-17-Screen-3	Jul/Aug 2017	MW-17-3	NA	NA	3.0 U	2.0 U
MW-17-Screen-3	October 2017	MW-17-3	NA	NA	3.0 U	2.0 U
MW-17-Screen-3	Jan/Feb 2018	MW-17-3	NA	NA	3.0 U	2.0 U
MW-17-Screen-3	April 2018	MW-17-3	2.0 U	1.0 U	3.0 U	2.0 U
MW-17-Screen-4						
MW-17-Screen-4	Apr/May 2017	MW-17-4	**3.0**	1.0 U	**0.7 J**	1.0 U
MW-17-Screen-4	Jul/Aug 2017	MW-17-4	NA	NA	0.5 U	2.0 U
MW-17-Screen-4	October 2017	MW-17-4	NA	NA	**1.3 J**	**1.9 J**

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-17-Screen-4	Jan/Feb 2018	MW-17-4	NA	NA	**1.7 J**	**2.1**
MW-17-Screen-4	Jan/Feb 2018	Dup-3-IQ18	NA	NA	**1.8 J**	**1.8 J**
MW-17-Screen-4	April 2018	MW-17-4	**1.3 J**	1.0 U	3.0 U	**1.7 J**
MW-17-Screen-5						
MW-17-Screen-5	Apr/May 2017	MW-17-5	**7.7**	**2.7**	**0.9 J**	0.9 U
MW-17-Screen-5	October 2017	MW-17-5	NA	NA	**1.4 J**	**1.3 J**
MW-17-Screen-5	April 2018	MW-17-5	**2.4**	**0.5 J**	3.0 U	**1.3 J**
MW-18-Screen-1						
MW-18-Screen-1	Apr/May 2017	MW-18-1	2.0 U	1.0 U	**0.8 J**	2.0 U
MW-18-Screen-2						
MW-18-Screen-2	Apr/May 2017	MW-18-2	2.0 U	1.0 U	**0.6 J**	2.0 U
MW-18-Screen-2	Jul/Aug 2017	MW-18-2	NA	NA	3.0 U	2.0 U
MW-18-Screen-2	October 2017	MW-18-2	NA	NA	3.0 U	2.0 U
MW-18-Screen-2	Jan/Feb 2018	MW-18-2	NA	NA	3.0 U	2.0 U
MW-18-Screen-2	April 2018	MW-18-2	2.0 U	**0.1 J**	**1.1 J**	2.0 U
MW-18-Screen-3						
MW-18-Screen-3	Apr/May 2017	MW-18-3	**0.9 J**	1.0 U	**2.6 J**	**1.6 J**
MW-18-Screen-3	Jul/Aug 2017	MW-18-3	NA	NA	2.1 U	**1.6 J**
MW-18-Screen-3	October 2017	MW-18-3	NA	NA	**1.5 J**	**1.2 J**
MW-18-Screen-3	October 2017	DUP-3-4Q17	NA	NA	**1.5 J**	**1.9 J**
MW-18-Screen-3	Jan/Feb 2018	MW-18-3	NA	NA	**2.1 J**	**1.1 J**
MW-18-Screen-3	April 2018	MW-18-3	2.0 U	1.0 U	**2.6 J**	**1.8 J**
MW-18-Screen-4						
MW-18-Screen-4	Apr/May 2017	MW-18-4	2.0 U	1.0 U	2.5 U	**1.2 J**
MW-18-Screen-4	Jul/Aug 2017	MW-18-4	NA	NA	2.0 U	**1.6 J**
MW-18-Screen-4	October 2017	MW-18-4	NA	NA	**1.7 J**	**1.8 J**
MW-18-Screen-4	Jan/Feb 2018	MW-18-4	NA	NA	**1.6 J**	**1.3 J**
MW-18-Screen-4	April 2018	MW-18-4	2.0 U	1.0 U	**2.6 J**	**2.2**
MW-18-Screen-5						
MW-18-Screen-5	Apr/May 2017	MW-18-5	2.0 U	1.0 U	**1.5 J**	2.0 U
MW-18-Screen-5	Apr/May 2017	MW-18-5	2.0 U	1.0 U	**1.5 J**	2.0 U
MW-18-Screen-5	October 2017	MW-18-5	NA	NA	3.0 U	2.0 U
MW-18-Screen-5	April 2018	MW-18-5	2.0 U	1.0 U	3.0 U	2.0 U
MW-19-Screen-1						
MW-19-Screen-1	Apr/May 2017	MW-19-1	2.0 U	1.0 U	**0.7 J**	2.0 U
MW-19-Screen-1	October 2017	MW-19-1	NA	NA	3.0 U	2.0 U
MW-19-Screen-1	April 2018	MW-19-1	2.0 U	1.0 U	**0.7 J**	2.0 U
MW-19-Screen-2						
MW-19-Screen-2	Apr/May 2017	MW-19-2	2.0 U	1.0 U	**2.3 J**	2.0 U
MW-19-Screen-2	October 2017	MW-19-2	NA	NA	**2.4 J**	**0.7 J**
MW-19-Screen-2	April 2018	MW-19-2	2.0 U	1.0 U	**2.0 J**	2.0 U
MW-19-Screen-3						
MW-19-Screen-3	Apr/May 2017	MW-19-3	2.0 U	1.0 U	**3.1**	**1.3 J**
MW-19-Screen-3	October 2017	MW-19-3	NA	NA	**2.5 J**	**1.2 J**
MW-19-Screen-3	April 2018	MW-19-3	2.0 U	1.0 U	**2.6 J**	**2.0**

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-19-Screen-4						
MW-19-Screen-4	Apr/May 2017	MW-19-4	**0.7 J**	1.0 U	**2.7 J**	**1.5 J**
MW-19-Screen-4	October 2017	MW-19-4	NA	NA	**1.9 J**	**1.5 J**
MW-19-Screen-4	April 2018	MW-19-4	2.0 U	1.0 U	**1.8 J**	**1.8 J**
MW-19-Screen-5						
MW-19-Screen-5	Apr/May 2017	MW-19-5	**1.1 J**	1.0 U	**1.5 J**	2.0 U
MW-19-Screen-5	October 2017	MW-19-5	NA	NA	**3.7**	**2.0**
MW-19-Screen-5	April 2018	MW-19-5	**1.7 J**	1.0 U	**2.4 J**	**1.9 J**
MW-20-Screen-1						
MW-20-Screen-1	Jul/Aug 2017	MW-20-1	NA	NA	1.7 U	2.0 UJ
MW-20-Screen-1	Jul/Aug 2017	MW-20-1	NA	NA	3.0 U	2.0 UJ
MW-20-Screen-2						
MW-20-Screen-2	Apr/May 2017	MW-20-2	2.0 U	1.0 U	3.0 U	2.0 U
MW-20-Screen-2	Jul/Aug 2017	MW-20-2	NA	NA	1.2 U	2.0 UJ
MW-20-Screen-2	October 2017	MW-20-2	NA	NA	3.0 U	2.0 U
MW-20-Screen-2	Jan/Feb 2018	MW-20-2	NA	NA	3.0 U	2.0 U
MW-20-Screen-2	April 2018	MW-20-2	2.0 U	1.0 U	**0.6 J**	2.0 U
MW-20-Screen-2	April 2018	DUP-7-2Q18	2.0 U	1.0 U	3.0 U	2.0 U
MW-20-Screen-3						
MW-20-Screen-3	Apr/May 2017	MW-20-3	2.0 U	1.0 U	3.0 U	2.0 U
MW-20-Screen-3	Apr/May 2017	DUP-2-2Q17	2.0 U	1.0 U	**0.5 J**	2.0 U
MW-20-Screen-3	Jul/Aug 2017	MW-20-3	NA	NA	1.2 U	2.0 UJ
MW-20-Screen-3	Jul/Aug 2017	DUP-1-3Q17	NA	NA	1.4 U	2.0 UJ
MW-20-Screen-3	October 2017	MW-20-3	NA	NA	3.0 U	2.0 U
MW-20-Screen-3	October 2017	DUP-1-4Q17	NA	NA	**0.7 J**	2.0 U
MW-20-Screen-3	Jan/Feb 2018	MW-20-3	NA	NA	3.0 U	2.0 U
MW-20-Screen-3	April 2018	MW-20-3	**1.3 J**	1.0 U	**0.7 J**	2.0 U
MW-20-Screen-4						
MW-20-Screen-4	Apr/May 2017	MW-20-4	**1.1 J**	1.0 U	**0.7 J**	2.0 U
MW-20-Screen-4	Jul/Aug 2017	MW-20-4	NA	NA	1.7 U	2.0 UJ
MW-20-Screen-4	October 2017	MW-20-4	NA	NA	3.0 U	2.0 U
MW-20-Screen-4	Jan/Feb 2018	MW-20-4	NA	NA	3.0 U	2.0 U
MW-20-Screen-4	April 2018	MW-20-4	**1.4 J**	1.0 U	3.0 U	2.0 U
MW-20-Screen-5						
MW-20-Screen-5	Apr/May 2017	MW-20-5	2.0 U	1.0 U	**0.6 J**	2.0 U
MW-20-Screen-5	Jul/Aug 2017	MW-20-5	NA	NA	1.3 U	2.0 UJ
MW-20-Screen-5	October 2017	MW-20-5	NA	NA	3.0 U	2.0 U
MW-20-Screen-5	Jan/Feb 2018	MW-20-5	NA	NA	3.0 U	2.0 U
MW-20-Screen-5	Jan/Feb 2018	DUP-1-1Q18	NA	NA	3.0 U	2.0 U
MW-20-Screen-5	April 2018	MW-20-5	**1.7 J**	1.0 U	3.0 U	2.0 U
MW-21-Screen-1						
MW-21-Screen-1	Apr/May 2017	MW-21-1	2.0 U	1.0 U	3.0 U	**1.4 J**
MW-21-Screen-1	Jul/Aug 2017	MW-21-1	NA	NA	3.1 U	**1.8 J**
MW-21-Screen-2						
MW-21-Screen-2	Apr/May 2017	MW-21-2	2.0 U	1.0 U	3.0 U	**1.0 J**
MW-21-Screen-2	Jul/Aug 2017	MW-21-2	NA	NA	1.8 U	2.0 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-21-Screen-2	October 2017	MW-21-2	NA	NA	3.0 U	2.0 U
MW-21-Screen-2	Jan/Feb 2018	MW-21-2	NA	NA	3.0 U	2.0 U
MW-21-Screen-2	April 2018	MW-21-2	2.0 U	1.0 UJ	3.0 U	2.0 U
MW-21-Screen-3						
MW-21-Screen-3	Apr/May 2017	MW-21-3	2.0 U	1.0 U	3.0 U	**0.8 J**
MW-21-Screen-3	Jul/Aug 2017	MW-21-3	NA	NA	**4.2**	2.0 U
MW-21-Screen-3	October 2017	MW-21-3	NA	NA	3.0 U	2.0 U
MW-21-Screen-3	Jan/Feb 2018	MW-21-3	NA	NA	3.0 U	2.0 U
MW-21-Screen-3	April 2018	MW-21-3	2.0 U	1.0 U	3.0 U	2.0 U
MW-21-Screen-3	April 2018	DUP-2-2Q18	2.0 U	1.0 U	3.0 U	2.0 U
MW-21-Screen-4						
MW-21-Screen-4	Apr/May 2017	MW-21-4	2.0 U	1.0 U	**1.8 J**	1.1 U
MW-21-Screen-4	Apr/May 2017	DUP-6-2Q17	2.0 U	1.0 U	**1.8 J**	1.2 U
MW-21-Screen-4	Jul/Aug 2017	MW-21-4	NA	NA	3.0 U	**1.3 J**
MW-21-Screen-4	October 2017	MW-21-4	NA	NA	**1.0 J**	**1.1 J**
MW-21-Screen-4	Jan/Feb 2018	MW-21-4	NA	NA	**7.6**	**1.2 J**
MW-21-Screen-4	April 2018	MW-21-4	2.0 U	**0.2 J**	3.0 U	**1.3 J**
MW-21-Screen-5						
MW-21-Screen-5	Apr/May 2017	MW-21-5	2.0 U	1.0 U	3.0 U	**1.8 J**
MW-21-Screen-5	Jul/Aug 2017	MW-21-5	NA	NA	2.6 U	**1.4 J**
MW-21-Screen-5	October 2017	MW-21-5	NA	NA	**1.2 J**	**1.2 J**
MW-21-Screen-5	Jan/Feb 2018	MW-21-5	NA	NA	3.0 U	**1.4 J**
MW-21-Screen-5	April 2018	MW-21-5	2.0 U	1.0 U	3.0 U	**2.0**
MW-22-Screen-1						
MW-22-Screen-1	Apr/May 2017	MW-22-1	2.0 U	1.0 U	**1.2 J**	1.3 U
MW-22-Screen-1	Jul/Aug 2017	MW-22-1	NA	NA	2.5 U	2.0 U
MW-22-Screen-1	October 2017	MW-22-1	NA	NA	**0.8 J**	2.0 U
MW-22-Screen-1	Jan/Feb 2018	MW-22-1	NA	NA	3.0 U	2.0 U
MW-22-Screen-1	Jan/Feb 2018	Dup-4-1Q18	NA	NA	3.0 U	2.0 U
MW-22-Screen-1	April 2018	MW-22-1	2.0 U	1.0 U	**1.0 J**	2.0 U
MW-22-Screen-2						
MW-22-Screen-2	Apr/May 2017	MW-22-2	2.0 U	1.0 U	**1.2 J**	1.1 U
MW-22-Screen-2	Apr/May 2017	DUP-3-2Q17	2.0 U	1.0 U	**1.4 J**	1.1 U
MW-22-Screen-2	Jul/Aug 2017	MW-22-2	NA	NA	**3.2**	**1.3 J**
MW-22-Screen-2	October 2017	MW-22-2	NA	NA	**1.6 J**	**1.7 J**
MW-22-Screen-2	Jan/Feb 2018	MW-22-2	NA	NA	3.0 U	**2.4**
MW-22-Screen-2	April 2018	MW-22-2	2.0 U	1.0 U	**2.0 J**	**1.8 J**
MW-22-Screen-3						
MW-22-Screen-3	Apr/May 2017	MW-22-3	**1.2 J**	1.0 U	**2.7 J**	2.8 U
MW-22-Screen-3	Jul/Aug 2017	MW-22-3	NA	NA	**3.1**	**2.3**
MW-22-Screen-3	October 2017	MW-22-3	NA	NA	**2.4 J**	**2.4**
MW-22-Screen-3	October 2017	DUP-4-4Q17	NA	NA	**2.4 J**	**2.5**
MW-22-Screen-3	Jan/Feb 2018	MW-22-3	NA	NA	3.0 U	**2.8**
MW-22-Screen-3	April 2018	MW-22-3	2.0 U	1.0 U	**2.2 J**	**2.0**
MW-22-Screen-3	April 2018	DUP-3-2Q18	2.0 U	1.0 U	**2.6 J**	**1.6 J**

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-22-Screen-4						
MW-22-Screen-4	Apr/May 2017	MW-22-4	**0.8 J**	1.0 U	**2.9 J**	2.9 U
MW-22-Screen-4	October 2017	MW-22-4	NA	NA	**2.4 J**	**2.5**
MW-22-Screen-4	April 2018	MW-22-4	2.0 U	1.0 U	**3.1**	**2.6**
MW-22-Screen-5						
MW-22-Screen-5	Apr/May 2017	MW-22-5	2.0 U	1.0 U	**0.7 J**	2.0 U
MW-22-Screen-5	October 2017	MW-22-5	NA	NA	3.0 U	2.0 U
MW-22-Screen-5	April 2018	MW-22-5	2.0 U	1.0 U	3.0 U	2.0 U
MW-23-Screen-1						
MW-23-Screen-1	Apr/May 2017	MW-23-1	2.0 U	1.0 U	**1.6 J**	2.0 U
MW-23-Screen-1	Jul/Aug 2017	MW-23-1	NA	NA	**2.0 J**	2.0 U
MW-23-Screen-1	October 2017	MW-23-1	NA	NA	**0.9 J**	2.0 U
MW-23-Screen-1	Jan/Feb 2018	MW-23-1	NA	NA	3.0 U	**0.7 J**
MW-23-Screen-1	April 2018	MW-23-1	2.0 U	1.0 U	3.0 U	2.0 U
MW-23-Screen-2						
MW-23-Screen-2	Apr/May 2017	MW-23-2	2.0 U	1.0 U	**1.7 J**	1.4 U
MW-23-Screen-2	Jul/Aug 2017	MW-23-2	NA	NA	**2.2 J**	**1.1 J**
MW-23-Screen-2	Jul/Aug 2017	DUP-3-3Q17	NA	NA	**2.2 J**	**1.0 J**
MW-23-Screen-2	October 2017	MW-23-2	NA	NA	**1.1 J**	**1.0 J**
MW-23-Screen-2	Jan/Feb 2018	MW-23-2	NA	NA	3.0 U	**0.8 J**
MW-23-Screen-2	April 2018	MW-23-2	2.0 U	1.0 U	3.0 U	**0.8 J**
MW-23-Screen-3						
MW-23-Screen-3	Apr/May 2017	MW-23-3	2.0 U	1.0 U	**3.2**	2.9 U
MW-23-Screen-3	Jul/Aug 2017	MW-23-3	NA	NA	**3.8**	**2.9**
MW-23-Screen-3	October 2017	MW-23-3	NA	NA	**3.0**	**3.0**
MW-23-Screen-3	Jan/Feb 2018	MW-23-3	NA	NA	**3.4**	2.0 U
MW-23-Screen-3	April 2018	MW-23-3	2.0 U	1.0 U	3.0 U	**3.2**
MW-23-Screen-4						
MW-23-Screen-4	Apr/May 2017	MW-23-4	**1.1 J**	1.0 U	**3.1**	3.2 U
MW-23-Screen-4	Apr/May 2017	DUP-7-2Q17	**1.2 J**	1.0 U	**3.0**	3.6 U
MW-23-Screen-4	Jul/Aug 2017	MW-23-4	NA	NA	**3.7**	**3.1**
MW-23-Screen-4	October 2017	MW-23-4	NA	NA	**3.2**	**3.5**
MW-23-Screen-4	Jan/Feb 2018	MW-23-4	NA	NA	**3.1**	**3.0**
MW-23-Screen-4	Jan/Feb 2018	DUP-5-1Q18	NA	NA	**3.4**	**2.8**
MW-23-Screen-4	April 2018	MW-23-4	2.0 U	1.0 U	3.0 U	**3.9**
MW-23-Screen-5						
MW-23-Screen-5	Apr/May 2017	MW-23-5	**2.6**	**0.3 J**	**0.6 J**	2.0 U
MW-23-Screen-5	October 2017	MW-23-5	NA	NA	3.0 UJ	2.0 U
MW-23-Screen-5	April 2018	MW-23-5	**1.7 J**	**0.2 J**	3.0 U	2.0 U
MW-24-Screen-1						
MW-24-Screen-1	Apr/May 2017	MW-24-1	**0.9 J**	1.0 U	4.7 U	1.0 U
MW-24-Screen-1	Jul/Aug 2017	MW-24-1	NA	NA	**4.6**	2.0 U
MW-24-Screen-1	October 2017	MW-24-1	NA	NA	**1.1 J**	2.0 U
MW-24-Screen-1	Jan/Feb 2018	MW-24-1	NA	NA	3.0 U	2.0 U
MW-24-Screen-1	April 2018	MW-24-1	2.0 U	1.0 U	**1.7 J**	2.0 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-24-Screen-2						
MW-24-Screen-2	Apr/May 2017	MW-24-2	**1.5 J**	1.0 U	**2.6 J**	2.3 U
MW-24-Screen-2	Jul/Aug 2017	MW-24-2	NA	NA	**3.9**	**1.8 J**
MW-24-Screen-2	October 2017	MW-24-2	NA	NA	**1.9 J**	**1.9 J**
MW-24-Screen-2	Jan/Feb 2018	MW-24-2	NA	NA	3.0 U	**1.9 J**
MW-24-Screen-2	April 2018	MW-24-2	**2.3**	1.0 U	**1.3 J**	**2.3**
MW-24-Screen-3						
MW-24-Screen-3	Apr/May 2017	MW-24-3	**1.7 J**	1.0 U	**1.0 J**	2.0 U
MW-24-Screen-3	Jul/Aug 2017	MW-24-3	NA	NA	2.3 U	2.0 U
MW-24-Screen-3	October 2017	MW-24-3	NA	NA	**0.6 J**	2.0 U
MW-24-Screen-3	Jan/Feb 2018	MW-24-3	NA	NA	3.0 U	2.0 U
MW-24-Screen-3	April 2018	MW-24-3	**2.4**	1.0 U	**0.9 J**	2.0 U
MW-24-Screen-4						
MW-24-Screen-4	Apr/May 2017	MW-24-4	**0.7 J**	1.0 U	**1.4 J**	2.0 U
MW-24-Screen-4	Jul/Aug 2017	MW-24-4	NA	NA	2.2 U	2.0 U
MW-24-Screen-4	October 2017	MW-24-4	NA	NA	**0.5 J**	**2.5**
MW-24-Screen-4	Jan/Feb 2018	MW-24-4	NA	NA	3.0 U	10.0 U
MW-24-Screen-4	April 2018	MW-24-4	**1.1 J**	1.0 U	**0.8 J**	2.0 U
MW-24-Screen-5						
MW-24-Screen-5	Apr/May 2017	MW-24-5	**1.8 J**	1.0 U	**3.8**	2.2 U
MW-24-Screen-5	October 2017	MW-24-5	NA	NA	**3.0**	2.0 U
MW-24-Screen-5	April 2018	MW-24-5	**1.7 J**	**0.2 J**	**3.9**	**2.9**
MW-25-Screen-1						
MW-25-Screen-1	Apr/May 2017	MW-25-1	2.0 U	1.0 U	2.6 U	2.0 U
MW-25-Screen-1	Jul/Aug 2017	MW-25-1	NA	NA	**3.1**	2.0 UJ
MW-25-Screen-1	October 2017	MW-25-1	NA	NA	**1.8 J**	2.0 U
MW-25-Screen-1	October 2017	DUP-2-4Q17	NA	NA	**2.6 J**	**2.1**
MW-25-Screen-1	Jan/Feb 2018	MW-25-1	NA	NA	3.0 U	2.0 U
MW-25-Screen-1	April 2018	MW-25-1	**0.9 J**	**0.1 J**	**2.4 J**	2.0 U
MW-25-Screen-2						
MW-25-Screen-2	Apr/May 2017	MW-25-2	2.0 U	1.0 U	3.9 U	**2.9**
MW-25-Screen-2	Apr/May 2017	DUP-1-2Q17	2.0 U	1.0 U	3.9 U	**2.8**
MW-25-Screen-2	Jul/Aug 2017	MW-25-2	NA	NA	**4.2**	**3.1 J**
MW-25-Screen-2	October 2017	MW-25-2	NA	NA	**3.0 J**	**2.7**
MW-25-Screen-2	Jan/Feb 2018	MW-25-2	NA	NA	**8.8**	**1.5 J**
MW-25-Screen-2	April 2018	MW-25-2	**0.8 J**	1.0 U	**2.4 J**	**2.1**
MW-25-Screen-3						
MW-25-Screen-3	Apr/May 2017	MW-25-3	2.0 U	1.0 U	4.9 U	**2.9**
MW-25-Screen-3	Jul/Aug 2017	MW-25-3	NA	NA	**4.1**	**3.3 J**
MW-25-Screen-3	October 2017	MW-25-3	NA	NA	**3.1 J**	**3.2**
MW-25-Screen-3	Jan/Feb 2018	MW-25-3	NA	NA	3.0 U	**2.5**
MW-25-Screen-3	April 2018	MW-25-3	**1.4 J**	**0.2 J**	**3.9**	**2.2**
MW-25-Screen-4						
MW-25-Screen-4	Apr/May 2017	MW-25-4	2.0 U	1.0 U	2.7 U	**0.7 J**
MW-25-Screen-4	Jul/Aug 2017	MW-25-4	NA	NA	2.3 U	**1.1 J**
MW-25-Screen-4	October 2017	MW-25-4	NA	NA	**1.7 J**	**1.6 J**

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-25-Screen-4	Jan/Feb 2018	MW-25-4	NA	NA	3.0 U	**0.9 J**
MW-25-Screen-4	April 2018	MW-25-4	2.0 U	1.0 U	**1.7 J**	**0.8 J**
MW-25-Screen-5						
MW-25-Screen-5	Apr/May 2017	MW-25-5	**0.8 J**	1.0 U	1.3 U	2.0 U
MW-25-Screen-5	Jul/Aug 2017	MW-25-5	NA	NA	0.8 U	2.0 UJ
MW-25-Screen-5	October 2017	MW-25-5	NA	NA	3.0 UJ	2.0 U
MW-25-Screen-5	Jan/Feb 2018	MW-25-5	NA	NA	3.0 U	2.0 U
MW-25-Screen-5	April 2018	MW-25-5	**0.9 J**	1.0 U	3.0 U	2.0 U
MW-26-Screen-1						
MW-26-Screen-1	Apr/May 2017	MW-26-1	2.0 U	1.0 U	**1.0 J**	2.0 U
MW-26-Screen-1	Apr/May 2017	DUP-4-2Q17	2.0 U	1.0 U	0.9 U	**0.9 J**
MW-26-Screen-1	Jul/Aug 2017	MW-26-1	NA	NA	**1.6 J**	2.0 U
MW-26-Screen-1	October 2017	MW-26-1	NA	NA	3.0 U	2.0 U
MW-26-Screen-1	Jan/Feb 2018	MW-26-1	NA	NA	3.0 U	2.0 U
MW-26-Screen-1	April 2018	MW-26-1	2.0 U	1.0 U	**0.7 J**	2.0 U
MW-26-Screen-1	April 2018	DUP-4-2Q18	2.0 U	1.0 U	**0.8 J**	2.0 U
MW-26-Screen-2						
MW-26-Screen-2	Apr/May 2017	MW-26-2	2.0 U	1.0 U	**1.2 J**	1.7 U
MW-26-Screen-2	Jul/Aug 2017	MW-26-2	NA	NA	**3.0**	**1.3 J**
MW-26-Screen-2	October 2017	MW-26-2	NA	NA	**1.4 J**	**1.5 J**
MW-26-Screen-2	Jan/Feb 2018	MW-26-2	NA	NA	3.0 U	2.0 U
MW-26-Screen-2	Jan/Feb 2018	DUP-2-1Q18	NA	NA	3.0 U	**0.8 J**
MW-26-Screen-2	April 2018	MW-26-2	2.0 U	1.0 U	**0.6 J**	**2.0**
Analyte concentration exceeds the standard for:						
CA MCL			10.0	15.0*	50.0	10.0**
EPA REGION IX MCL			10.0	15.0*	100.0	NE

Notes

DUP(E)	Field Duplicate
NA	Not analyzed
NE	Not established
*	Regulatory Action Level
**	On July 1, 2014 the State Water Resources Control board (SWRCB) adopted an MCL for Cr(VI) of 10.0 µg/L
J	Analyte concentration is an estimated value
U	Analyte was analyzed for but not detected at or above the stated limit
UJ	Analyte was analyzed for but not detected; analyte concentration is an estimated value

TABLE 3

SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE REPORTED IN MUNICIPAL PRODUCTION WELLS NEAR JPL DURING 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.)

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
LA CANADA IRRIGATION DIST. WELL 01					
	3/21/2016	4.0 U	0.5 U	**0.9**	**1.2**
	4/18/2016	NA	0.5 U	**0.5**	**0.8**
	6/6/2016	NA	0.5 U	**0.6**	**0.6**
	9/6/2016	NA	NA	**0.8**	**1.2**
LA CANADA IRRIGATION DIST. WELL 06					
	3/12/2017	4.0 U	NA	0.5 U	**0.9**
	6/5/2017	NA	NA	**0.5**	**1.1**
	3/26/2018	4 U	0.5 U	0.5 U	**1.0**
LAS FLORES WATER CO. WELL 02					
	1/3/2017	**4.0**	NA	0.5 U	NA
	1/9/2017	**4.5**	NA	**0.9**	NA
	1/16/2017	**4.8**	NA	**1.2**	NA
	1/23/2017	4.0 U	NA	**0.5**	NA
	2/6/2017	4.0 U	NA	**0.6**	NA
	4/17/2017	**5.1**	NA	**0.9**	NA
	4/24/2017	**5.1**	NA	**1.3**	NA
	5/8/2017	**4.7**	NA	**0.6**	NA
	5/15/2017	**4.9**	NA	**0.6**	NA
	5/22/2017	**4.9**	NA	**1.1**	NA
	5/30/2017	**4.4**	NA	**1.0**	NA
	6/5/2017	**4.7**	NA	**1.2**	NA
	6/12/2017	**5.4**	NA	**1.1**	NA
	6/19/2017	**5.0**	NA	**1.0**	NA
	6/26/2017	**4.5**	NA	**1.3**	NA
	7/3/2017	**5.2**	NA	**1.3**	NA
	7/10/2017	**4.7**	NA	**1.2**	NA
	7/17/2017	**4.6**	NA	**1.2**	NA
	7/24/2017	**4.3**	NA	**1.3**	NA
	8/7/2017	**6.0**	NA	**1.8**	NA
	8/14/2017	**4.1**	NA	**1.7**	NA
	8/21/2017	**5.2**	NA	**0.9**	NA
	8/28/2017	**5.5**	NA	**1.1**	NA
	9/5/2017	**4.8**	NA	**1.4**	NA
	9/11/2017	**5.1**	NA	**0.8**	NA
	9/18/2017	**5.2**	NA	**1.2**	NA
	9/25/2017	**4.8**	NA	**1.3**	NA
	10/2/2017	**5.1**	NA	**1.3**	NA
	10/9/2017	**4.9**	NA	**1.3**	NA

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
LFWC #2	10/16/2017	**5.3**	NA	**1.1**	NA
	10/23/2017	**5.0**	NA	**1.6**	NA
	10/30/2017	**5.6**	NA	**1.2**	NA
	2/5/2018	**4**	NA	**1.2**	NA
	2/12/2018	**4**	NA	**1.2**	NA
	2/20/2018	4 U	NA	**1.1**	NA
	2/26/2018	**4.4**	NA	**1.0**	NA
	3/5/2018	**4.5**	NA	**0.8**	NA
	3/12/2018	**4.3**	NA	**1.3**	NA
	3/19/2018	4 U	NA	**1.5**	NA
	3/26/2018	4 U	NA	**1.1**	NA
	4/2/2018	4 U	NA	**1.0**	NA
	4/9/2018	**4**	NA	**1.4**	NA
	4/16/2018	4 U	NA	**1.3**	NA
	4/23/2018	4 U	NA	**1.2**	NA
	4/30/2018	4 U	NA	0.5 U	NA
LINCOLN AVENUE WATER CO. WELL 03					
	1/3/2017	**7.9**	**0.9**	0.5 U	**1.5**
	1/10/2017	**7.9**	NA	NA	NA
	1/17/2017	**7.3**	NA	NA	NA
	1/24/2017	**7.0**	NA	NA	NA
	2/7/2017	**5.2**	**0.6**	0.5 U	**1.3**
	2/14/2017	**5.7**	NA	NA	NA
	2/21/2017	**5.1**	NA	NA	NA
	2/28/2017	**4.9**	NA	NA	NA
	3/7/2017	4.0 U	0.5 U	0.5 U	**1.3**
	3/14/2017	**4.0**	NA	NA	NA
	3/21/2017	4.0 U	NA	NA	NA
	3/28/2017	4.0 U	NA	NA	NA
	4/4/2017	4.0 U	0.5 U	0.5 U	**1.1**
	4/11/2017	4.0 U	NA	NA	NA
	4/18/2017	4.0 U	NA	NA	NA
	4/25/2017	4.0 U	NA	NA	NA
	5/2/2017	4.0 U	0.5 U	0.5 U	**1.0**
	5/9/2017	4.0 U	NA	NA	NA
	5/16/2017	4.0 U	NA	NA	NA
	5/23/2017	4.0 U	NA	NA	NA
	5/30/2017	4.0 U	NA	NA	NA
	6/6/2017	4.0 U	0.5 U	0.5 U	**1.0**
	6/13/2017	4.0 U	NA	NA	NA
	6/20/2017	4.0 U	NA	NA	NA
	6/27/2017	4.0 U	NA	NA	NA
	7/3/2017	4.0 U	0.5 U	0.5 U	**1.0**
	7/11/2017	4.0 U	NA	NA	NA
	8/8/2017	NA	0.5 U	0.5 U	0.5 U
	4/20/2018	4 U	NA	NA	NA

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
LAWC #3	4/24/2018	4 U	0.5 U	0.5 U	0.5 U
LINCOLN AVENUE WATER CO. WELL 05					
	1/5/2017	**13.0**	**1.6**	0.5 U	**0.9**
	1/17/2017	**13.0**	NA	NA	NA
	2/7/2017	**13.0**	**1.7**	**0.5**	**1.5**
	7/11/2017	**8.8**	**0.5**	**0.8**	**2.0**
	7/18/2017	**17.0**	NA	NA	NA
	7/25/2017	**18.0**	NA	NA	NA
	8/8/2017	**16.0**	**1.6**	**0.8**	**2.2**
	2/27/2018	**6.6**	**2.6**	0.5 U	**0.6**
	3/16/2018	**8.1**	**5.8**	0.5 U	**0.9**
	4/20/2018	**7.5**	NA	NA	NA
	4/24/2018	**8.7**	**2.1**	**0.6**	**1.1**
LINCOLN AVENUE WATER CO. WELL #6					
	9/5/2017	**17.0**	**2.1**	**0.8**	**1.9**
	9/12/2017	**18.0**	**1.9**	**0.8**	**1.8**
	9/19/2017	**17.0**	NA	NA	NA
	9/26/2017	**17.0**	NA	NA	NA
	10/3/2017	**18.0**	**1.9**	**0.6**	**1.5**
	10/10/2017	**18.0**	NA	NA	NA
	10/17/2017	**16.0**	NA	NA	NA
	10/24/2017	**17.0**	NA	NA	NA
	2/6/2018	**14.0**	**2.0**	**0.7**	**1.6**
	2/13/2018	**15.0**	NA	NA	NA
	2/20/2018	**14.0**	NA	NA	NA
	2/27/2018	**18.0**	**1.8**	**0.7**	**1.9**
	3/6/2018	**18.0**	**1.3**	**0.8**	**1.7**
	3/13/2018	**16.0**	NA	NA	NA
	3/20/2018	**17.0**	NA	NA	NA
	3/29/2018	**16.0**	NA	NA	NA
	4/3/2018	**15.0**	**1.9**	**0.7**	**1.5**
	4/10/2018	**16.0**	NA	NA	NA
	4/17/2018	**15.0**	NA	NA	NA
	4/24/2018	**11.0**	NA	NA	NA
PASADENA-CITY, WATER DEPT. ARROYO					
	1/3/2017	**10.6**	**0.9**	**0.5**	**2.0**
	1/10/2017	**11.2**	**0.8**	**0.6**	**2.0**
	1/17/2017	**11.2**	**0.9**	**0.5**	**2.1**
	1/24/2017	**11.0**	**0.9**	**0.6**	**2.1**
	2/7/2017	**10.9**	**0.9**	**0.6**	**2.2**
	2/14/2017	**10.7**	**0.7**	**0.6**	**2.0**
	2/21/2017	**11.6**	**0.8**	**0.5**	**1.9**
	2/28/2017	**11.4**	**0.7**	0.5 U	**1.9**
	3/7/2017	**12.2**	**0.7**	**0.6**	**1.9**
	3/14/2017	**10.0**	**0.6**	**0.6**	**1.9**
	3/21/2017	**10.0**	**0.8**	**0.6**	**2.1**

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
ARROYO	3/28/2017	8.5	0.8	0.6	2.1
	4/4/2017	11.4	0.6	0.5	2.0
	4/11/2017	9.7	0.6	0.6	2.0
	4/18/2017	10.3	0.7	0.5	1.9
	4/25/2017	10.6	0.8	0.6	2.1
	5/2/2017	10.5	0.7	0.6	2.2
	5/9/2017	10.3	0.7	0.6	2.1
	5/16/2017	10.4	0.7	0.6	2.1
	5/23/2017	10.5	0.9	0.6	2.3
	5/30/2017	10.3	0.6	0.5 U	1.6
	6/6/2017	11.0	0.6	0.5	2.2
	6/13/2017	10.8	0.7	0.5	2.1
	6/20/2017	10.3	0.8	0.5	2.0
	6/27/2017	10.6	0.8	0.6	2.2
	7/5/2017	9.6	2.1	0.5	2.0
	7/11/2017	9.7	0.9	0.6	2.2
	7/18/2017	9.8	0.9	0.6	2.3
	7/25/2017	9.9	0.8	0.6	2.1
	8/8/2017	10.7	0.7	0.0	2.1
	8/15/2017	10.0	0.8	0.0	2.2
	8/22/2017	10.6	0.7	0.5	2.1
	8/29/2017	10.0	0.8	0.5	2.1
	9/5/2017	10.8	0.7	0.0	2.1
	9/12/2017	10.9	0.8	0.5	2.2
	9/26/2017	10.1	1.0	0.7	2.3
	10/3/2017	10.6	0.8	0.6	2.3
	10/10/2017	11.5	0.7	0.5 U	1.9
	10/17/2017	11.6	0.8	0.6	2.4
	10/24/2017	11.7	0.9	0.5	2.2
	2/6/2018	10.7	0.7	0.5 U	2.1
	2/13/2018	10.7	0.6	0.5	1.9
	2/20/2018	11.1	0.7	0.5	2.0
	2/27/2018	11.3	0.7	0.5 U	1.9
	3/6/2018	12.1	0.7	0.5	2.0
	3/13/2018	11.0	0.7	0.5 U	1.8
	3/20/2018	10.8	0.6	0.5	2.0
	3/27/2018	10.8	0.7	0.5 U	1.8
	4/3/2018	10.7	0.6	0.5 U	1.7
	4/9/2018	10.3	0.7	0.5 U	1.9
PASADENA-CITY, WATER DEPT. VENTURA					
	1/10/2017	4.6	0.5 U	1.4	3.0
	2/7/2017	4.0 U	0.5 U	1.4	3.4
	3/7/2017	4.0 U	0.5 U	1.3	3.1
	4/4/2017	4.0 U	0.5 U	1.3	3.2
	4/11/2017	4.0 U	0.5 U	1.3	3.0
	8/8/2017	4.1	0.5 U	1.2	3.2

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
PASADENA-CITY, WATER DEPT. WELL 52					
	2/29/2016	**5.5**	0.5 U	**1.0**	**6.4**
	3/1/2016	**5.6**	0.5 U	**0.9**	**5.8**
	3/29/2016	**5.2**	0.5 U	**1.0**	**6.4**
	8/2/2016	**5.0**	0.5 U	**0.8**	**5.6**
	4/2/2018	**4.1**	0.5 U	**0.8**	**4.9**
PASADENA-CITY, WATER DEPT. WINDSOR					
RUBIO CANON LAND & WATER ASSOCIATION WELL 04					
	1/3/2017	4.0 U	NA	NA	NA
	1/9/2017	4.0 U	NA	NA	NA
	1/10/2017	NA	NA	**2.6**	NA
	1/17/2017	4.0 U	NA	NA	NA
	1/23/2017	4.0 U	NA	NA	NA
	1/30/2017	4.0 U	NA	NA	NA
	2/6/2017	4.0 U	0.5 U	**2.6**	0.5 U
	2/13/2017	4.0 U	NA	NA	NA
	2/21/2017	4.0 U	NA	NA	NA
	2/27/2017	4.0 U	NA	NA	NA
	3/6/2017	4.0 U	NA	NA	NA
	3/13/2017	4.0 U	NA	NA	NA
	3/20/2017	4.0 U	NA	NA	NA
	3/27/2017	4.0 U	NA	NA	NA
	4/3/2017	4.0 U	NA	**2.3**	NA
	4/10/2017	4.0 U	NA	NA	NA
	4/17/2017	4.0 U	NA	NA	NA
	4/24/2017	4.0 U	NA	NA	NA
	5/8/2017	4.0 U	NA	NA	NA
	5/15/2017	4.0 U	NA	NA	NA
	5/22/2017	4.0 U	NA	NA	NA
	5/30/2017	4.0 U	NA	NA	NA
	6/5/2017	4.0 U	NA	NA	NA
	6/12/2017	4.0 U	NA	NA	NA
	6/19/2017	4.0 U	NA	NA	NA
	6/26/2017	4.0 U	NA	NA	NA
	7/5/2017	4.0 U	NA	**1.5**	NA
	7/10/2017	4.0 U	NA	NA	NA
	7/17/2017	4.0 U	NA	NA	NA
	7/24/2017	4.0 U	NA	NA	NA
	8/7/2017	4.0 U	NA	NA	NA
	8/14/2017	4.0 U	NA	NA	NA
	8/21/2017	4.0 U	NA	NA	NA
	8/28/2017	4.0 U	NA	NA	NA
	9/6/2017	4.0 U	NA	NA	NA
	9/11/2017	4.0 U	NA	NA	NA
	9/18/2017	4.0 U	NA	NA	NA
	9/25/2017	4.0 U	NA	NA	NA

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
RCL&WA #4	10/2/2017	4.0 U	NA	NA	NA
	10/10/2017	4.0 U	NA	**2.1**	NA
	10/17/2017	4.0 U	NA	NA	NA
	10/23/2017	4.0 U	NA	NA	NA
	2/5/2018	4.0 U	0.5 U	**1.3**	0.5 U
	2/12/2018	4.0 U	NA	NA	NA
	2/20/2018	4.0 U	NA	NA	NA
	2/26/2018	4.0 U	NA	NA	NA
	3/5/2018	4.0 U	NA	NA	NA
	3/12/2018	4.0 U	NA	NA	NA
	3/19/2018	4.0 U	NA	NA	NA
	3/26/2018	4.0 U	NA	NA	NA
	4/2/2018	4.0 U	NA	**1.3**	NA
	4/9/2018	4.0 U	NA	NA	NA
	4/16/2018	4.0 U	NA	NA	NA
	4/23/2018	4.0 U	NA	NA	NA
	4/30/2018	4.0 U	NA	NA	NA
RUBIO CANON LAND & WATER ASSOCIATION	**WELL 07**				
	1/3/2017	4.0 U	NA	NA	NA
	1/9/2017	4.0 U	NA	NA	NA
	1/10/2017	NA	NA	0.5 U	NA
	1/17/2017	4.0 U	NA	NA	NA
	1/23/2017	4.0 U	NA	NA	NA
	1/30/2017	4.0 U	NA	NA	NA
	2/6/2017	4.0 U	0.5 U	**0.6**	0.5 U
	2/13/2017	4.0 U	NA	NA	NA
	2/21/2017	4.0 U	NA	NA	NA
	2/27/2017	4.0 U	NA	NA	NA
	3/6/2017	4.0 U	NA	NA	NA
	3/13/2017	4.0 U	NA	NA	NA
	3/20/2017	4.0 U	NA	NA	NA
	3/27/2017	4.0 U	NA	NA	NA
	4/3/2017	4.0 U	NA	**0.8**	NA
	4/10/2017	4.0 U	NA	NA	NA
	4/17/2017	4.0 U	NA	NA	NA
	4/24/2017	4.0 U	NA	NA	NA
	5/8/2017	4.0 U	NA	NA	NA
	5/15/2017	4.0 U	NA	NA	NA
	5/22/2017	4.0 U	NA	NA	NA
	5/30/2017	4.0 U	NA	NA	NA
	6/5/2017	4.0 U	NA	NA	NA
	6/12/2017	4.0 U	NA	NA	NA
	6/19/2017	4.0 U	NA	NA	NA
	6/26/2017	4.0 U	NA	NA	NA
	7/5/2017	4.0 U	NA	0.5 U	NA
	7/10/2017	4.0 U	NA	NA	NA

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
RCL&WA #7	7/17/2017	4.0 U	NA	NA	NA
	7/24/2017	4.0 U	NA	NA	NA
	8/7/2017	4.0 U	NA	NA	NA
	8/14/2017	4.0 U	NA	NA	NA
	8/21/2017	4.0 U	NA	NA	NA
	8/28/2017	4.0 U	NA	NA	NA
	9/6/2017	4.0 U	NA	NA	NA
	9/11/2017	4.0 U	NA	NA	NA
	9/18/2017	4.0 U	NA	NA	NA
	9/25/2017	4.0 U	NA	NA	NA
	10/2/2017	4.0 U	NA	NA	NA
	10/10/2017	4.0 U	NA	**0.6**	NA
	10/17/2017	4.0 U	NA	NA	NA
	10/23/2017	4.0 U	NA	NA	NA
	2/5/2018	4.0 U	0.5 U	**0.5**	0.5 U
	2/12/2018	4.0 U	NA	NA	NA
	2/20/2018	4.0 U	NA	NA	NA
	2/26/2018	4.0 U	NA	NA	NA
	3/5/2018	4.0 U	NA	NA	NA
	3/12/2018	4.0 U	NA	NA	NA
	3/19/2018	4.0 U	NA	NA	NA
	3/26/2018	4.0 U	NA	NA	NA
	4/2/2018	4.0 U	NA	**0.6**	NA
	4/9/2018	4.0 U	NA	NA	NA
	4/16/2018	4.0 U	NA	NA	NA
	4/23/2018	4.0 U	NA	NA	NA
	4/30/2018	4.0 U	NA	NA	NA
VALLEY WATER CO. WELL 01					
	5/2/2017	4.0 U	NA	NA	NA
	5/17/2017	NA	0.5 U	**0.8**	**0.6**
	6/2/2017	NA	0.5 U	**0.8**	**0.7**
	7/11/2017	4.0 U	0.5 U	**1.2**	**1.5**
	8/2/2017	4.0 U	0.5 U	**0.7**	**0.9**
	9/6/2017	4.0 U	NA	NA	NA
	9/28/2017	NA	0.5 U	**0.7**	**0.9**
	10/3/2017	4.0 U	0.5 U	**0.6**	**0.7**
	3/12/2018	4.0 U	0.5 U	0.5 U	**0.6**
VALLEY WATER CO. WELL 02					
	9/6/2017	4.0 U	NA	NA	NA
	9/28/2017	NA	0.5 U	**0.7**	**0.9**
	10/3/2017	4.0 U	0.5 U	**0.6**	**0.7**
	3/12/2018	4.0 U	0.5 U	0.5 U	0.5 U
VALLEY WATER CO. WELL 03					
	5/2/2017	4.0 U	NA	NA	NA
	5/17/2017	NA	0.5 U	**1.2**	0.7
	6/2/2017	NA	0.5 U	**0.5**	0.5 U

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
VWC #3	7/13/2017	4.0 U	0.5 U	0.5 U	0.5 U
	8/2/2017	4.0 U	0.5 U	0.5 U	0.5 U
	8/8/2017	NA	0.5 U	0.5 U	0.5 U
	9/6/2017	4.0 U	NA	NA	NA
	9/6/2017	4.0 U	NA	NA	NA
VALLEY WATER CO. WELL 04					
	5/2/2017	4.0 U	NA	NA	NA
	5/17/2017	NA	0.5 U	**0.9**	**0.9**
	6/2/2017	NA	0.5 U	**0.9**	**0.7**
	7/11/2017	4.0 U	0.5 U	**1.0**	**0.8**
	8/2/2017	4.0 U	0.5 U	**1.3**	**1.2**
	9/6/2017	4.0 U	NA	NA	NA
Analyte concentration exceeds the standard for:					
CA MCL		6.0	0.5	5.0	5.0
EPA REGION IX MCL		NE	5.0	5.0	5.0

Notes

NA	Not analyzed
NE	Not established
Source	State Water Resources Control Board (Division of Drinking Water) Water Quality Index Database
U	Analyte was analyzed for but not detected at or above the stated limit