



Technical Memorandum

Second Quarter 2020 Groundwater Monitoring Summary

National Aeronautics and Space Administration

Jet Propulsion Laboratory, Pasadena, California

Final

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This technical memorandum summarizes the results of the second quarter 2020 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 2020 groundwater sampling event was conducted from June 8 through 26, 2020.

INTRODUCTION

During the second quarter 2020 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.

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 from the last five sampling events. Table 3 summarizes VOC and perchlorate concentrations in production wells located near the JPL facility from the last five sampling events. No tentatively identified compounds (TICs) were detected in the samples collected during the second quarter of 2020.

Figures summarizing the results from the second quarter 2020 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, and Figure 7 shows the lateral extent of trichloroethene (TCE) concentrations in groundwater. Figure 8 shows groundwater elevation contours from the second quarter 2020 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 [MW-1 and MW-9 are only sampled during the second and fourth quarter events]); and
- Off-facility wells (MW-17, MW-18, MW-19, MW-20, MW-21, MW-25, and MW-26).

MW-2 was decommissioned in July 2018. Well MW-2 had not been sampled during the groundwater monitoring program since it was replaced with well MW-14.

ON-FACILITY SOURCE AREA WELLS

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

The source area treatment system has been operating since 2005 and addresses groundwater beneath the JPL facility, which has historically contained the highest concentrations of perchlorate and VOCs (i.e., the source area). Operation of the source area treatment system appears to have resulted in a significant reduction of chemicals of interest in wells MW-7, MW-16, and MW-24, which are located within the treatment zone. Additional details regarding chemical concentrations in the on-facility source area wells are presented below.

PERCHLORATE ANALYTICAL RESULTS

- During the second quarter 2020, perchlorate was detected above the state MCL (6.0 µg/L) in well MW-7 (49.0 µg/L) and MW-13 (25.0 µg/L).
- Perchlorate was detected below the state MCL (6.0 µg/L) in MW-24 (Screen 1 [5.6 µg/L] and Screen 2 [4.9 µg/L]). No other perchlorate detections occurred in wells MW-16, or MW-24 (Screens 3, 4, and 5), during the second quarter 2020 with a reporting limit of 4.0 µg/L.
- Perchlorate concentrations increased from the first quarter 2020 to the second quarter 2020 in MW-7 (non-detect to 49.0 µg/L) and MW-24 (Screens 1 [2.2] µg/L to 5.6 µg/L] and 2 [4.8 µg/L to 4.9 µg/L]). 'J' qualifier indicates an estimated concentration.
- Perchlorate concentrations decreased from their respective last sampling event to the second quarter 2020 in MW-13 (50.0 µg/L to 25.0 µg/L) and MW-24 (Screen 4 [1.3] µg/L to non-detect]).

- During the second quarter 2020, the perchlorate concentration remained non-detect in MW-16 and MW-24 (Screens 3 and 5).

VOC ANALYTICAL RESULTS

- During the second quarter 2020, carbon tetrachloride was detected below the state MCL (0.5 µg/L) in MW-16 (0.4] µg/L). No other carbon tetrachloride detections occurred in the on-facility source area wells that were sampled.
- During the second quarter 2020, TCE was not detected in the on-facility source area wells with a reporting limit of 0.5 µg/L.
- During the second quarter 2020, PCE was detected below the state MCL (0.5 µg/L) in MW-24 (Screen 2 [0.3] µg/L)]. No other carbon tetrachloride detections occurred in the on-facility source area wells that were sampled.

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 insufficient water was present for purging. As a result, samples were not collected for metals in MW-16 during the second quarter 2020 due to insufficient water for purging.
- During the second quarter 2020, Cr(VI)³ was detected below the state MCL (50.0 µg/L) in MW-7 (1.2 µg/L), MW-13 (2.6 µg/L), and MW-24 (Screens 1 [0.1] µg/L], 2 [2.2 µg/L] and 5 [2.3 µg/L]). All other Cr(VI) results were non-detect in the on-facility source area wells that were sampled for metals (MW-24 Screens 3 and 4).
- During the second quarter 2020, total chromium was detected below the state MCL (50.0 µg/L) in MW-7 (37.0 µg/L), MW-13 (8.3 µg/L), and MW-24 (Screens 1, 4, and 5 [1.1] µg/L, 0.9] µg/L and 3.1 µg/L, respectively)]. All other total chromium results were non-detect in the on-facility source area wells that were sampled for metals (MW-24 Screens 2 and 3).

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 2020, perchlorate was detected above the state MCL (6.0 µg/L) in well MW-22 (Screen 1 [160.0 µg/L]).
- Perchlorate was detected in MW-22 (Screen 1) at concentrations above the MCL in the third quarter 1998 (6.4 µg/L) and first quarter 1999 (6.4 µg/L), all four quarters of 2011 (22.9 µg/L, 40.1 µg/L, 98.7 µg/L, and 85.2 µg/L) and second quarter 2012 (6.5 µg/L). From third quarter

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

³ On August 1, 2017, the State Water Resources Control Board (SWRCB) removed the previously adopted MCL for Cr(VI). See https://www.waterboards.ca.gov/press_room/press_releases/2017/pr080117_mcl_removal.pdf.

2012 through first quarter 2019 perchlorate concentrations ranged from non-detect to 5.6 µg/L. From second quarter 2019 to second quarter 2020, perchlorate has exceeded the MCL in four of five quarters ranging from 64.0 µg/L to 170 µg/L. Concentrations of perchlorate in MW-22 (Screen 1) will continue to be monitored closely.

- During the second quarter 2020, perchlorate was detected below the state MCL (6.0 µg/L) in MW-6 (1.6 µg/L), MW-11 (Screen 1 [0.9 µg/L]), MW-22 (Screens 2 and 3 [2.8 µg/L and 3.5 µg/L, respectively]), and MW-23 (Screens 1 through 4 [1.8 µg/L, 3.7 µg/L, 3.5 µg/L and 1.8 µg/L, respectively]).
- During the second quarter 2020, perchlorate was not detected in MW-8, MW-11 (Screens 2 through 5), MW-22 (Screens 4 and 5), and MW-23 (Screen 5) with a reporting limit of 4.0 µg/L.
- Perchlorate concentrations increased from their respective last sampling event to the second quarter 2020 in MW-11 (Screen 1 [non-detect to 0.9 µg/L]), MW-22 (Screens 1 through 3 [5.8 µg/L to 160.0 µg/L, 2.3 µg/L to 2.8 µg/L, and 2.8 µg/L to 3.5 µg/L, respectively]), and MW-23 (Screens 4 [1.2 µg/L to 1.8 µg/L]).
- Perchlorate concentrations decreased from their last respective sampling event to the second quarter 2020 in MW-6 (3.4 µg/L to 1.6 µg/L), MW-22 (Screen 4 [1.0 µg/L to non-detect]), and MW-23 (Screens 1 and 2 [7.2 µg/L to 1.8 µg/L and 4.4 µg/L to 3.7 µg/L, respectively]).
- Perchlorate concentrations remained non-detect from their last respective sampling event to the second quarter 2020 in MW-8, MW-11 (Screens 2 through 5), MW-22 (Screen 5), and MW-23 (Screen 5).

VOC ANALYTICAL RESULTS

- During the second quarter 2020, carbon tetrachloride was not detected in the other on-facility wells with a reporting limit of 0.5 µg/L.
- During the second quarter 2020, TCE was detected below the state and federal MCL (5.0 µg/L) in MW-6 (2.1 µg/L), MW-11 (Screen 4 [0.3 µg/L]), and MW-23 (Screen 2 [1.0 µg/L]). No other TCE detections occurred in the remaining other on-facility wells.
- During the second quarter 2020, PCE was detected below the state and federal MCL (5.0 µg/L) in MW-6 (0.4 µg/L) and MW-23 (Screen 2 [0.2 µg/L]). No other PCE detections occurred in the remaining other on-facility wells during the second quarter 2020.

OTHER NOTABLE ANALYTICAL RESULTS

- Samples were not collected for metals in MW-6 during the second quarter 2020 due to insufficient water for purging.
- During the second quarter 2020, Cr(VI) was detected below the state MCL (50.0 µg/L) in MW-8 (0.3 µg/L), MW-11 (Screens 1 through 5 [0.1 µg/L, 0.05 µg/L, 0.1 µg/L, 0.1 µg/L and 0.1 µg/L, respectively]), MW-22 (Screens 1 through 5 [0.5 µg/L, 1.3 µg/L, 0.8 µg/L, 2.5 µg/L and 0.1 µg/L, respectively]), and MW-23 (Screens 1 through 4 [0.6 µg/L, 0.9 µg/L, 2.9 µg/L, and 2.6 µg/L, respectively]). Cr(VI) was not detected in MW-23 (Screen 5) during the second quarter 2020.
- During the second quarter 2020, total chromium was detected below the state MCL (50.0 µg/L) in MW-8 (6.0 µg/L), MW-11 (Screens 3 and 5 [6.7 µg/L and 7.4 µg/L, respectively]), MW-22

(Screens 1 through 4 [0.9] µg/L, 1.4] µg/L, 1.0] µg/L and 2.8] µg/L, respectively)), and MW-23 (Screens 2 through 4 [1.2] µg/L, 3.5] µg/L and 3.4 µg/L, respectively)). No other total chromium detections occurred in the remaining other on-facility wells during the second quarter 2020.

- The second quarter 2020 sampling event is the first sampling event since October 2014² that samples collected from MW-6 were not analyzed for metals due to insufficient water for purging. During the period from first quarter 2019 to first quarter 2020, total chromium was detected in MW-6 at concentrations ranging from 8.1 µg/L to 48.0 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.

It should be noted that during the second quarter 2020, MW-14 (Screen 1) was dry and no sample was collected.

PERCHLORATE ANALYTICAL RESULTS

- During the second quarter 2020, perchlorate was detected above the state MCL (6.0 µg/L) in well MW-4 (Screen 2 [50.0 µg/L]).
- Perchlorate was detected below the state MCL (6.0 µg/L) in MW-3 (Screens 3 through 5 [2.0] µg/L, 3.0] µg/L and 2.6] µg/L, respectively)), MW-4 (Screens 3 through 5 [1.3] µg/L, 2.0] µg/L, and 1.9] µg/L, respectively), MW-12 (Screens 3 through 5 [4.4 µg/L, 2.0] µg/L, and 1.6] µg/L, respectively)), and MW-14 (Screens 2 through 4 [3.9] µg/L, 6.0 µg/L, and 4.4 µg/L, respectively)).
- During the second quarter 2020, perchlorate was not detected in MW-1, MW-3 (Screens 1 and 2), MW-4 (Screen 1), MW-5, MW-9, MW-10, MW-12 (Screens 1 and 2), MW-14 (Screen 5), and MW-15 with a reporting limit of 4.0 µg/L.
- Perchlorate concentrations increased from their respective last sampling event to the second quarter 2020 in MW-3 (Screens 4 [1.3] µg/L to 3.0] µg/L) and 5 [0.9] µg/L to 2.6] µg/L)), MW-4 (Screen 4 [non-detect to 2.0] µg/L) and Screen 5 [non-detect to 1.9] µg/L)), MW-12 (Screen 3 [3.5] µg/L to 4.4 µg/L)), and MW-14 (Screens 2 [3.7] µg/L to 3.9] µg/L), 3 [4.2 µg/L to 6.0 µg/L], and 4 [3.8] µg/L to 4.4 µg/L)).
- Perchlorate concentrations decreased from their respective last sampling event to the second quarter 2020 in MW-3 (Screen 3 [2.1] µg/L to 2.0] µg/L)), MW-4 (Screens 2 [51.0 µg/L to 50.0 µg/L] and 3 [2.1] µg/L to 1.3] µg/L)), MW-10 (0.8] µg/L to non-detect), and MW-12 (Screens 2 [1.3] µg/L to non-detect], 4 [2.7] µg/L to 2.0] µg/L], and 5 [1.8] µg/L to 1.6] µg/L)).
- Perchlorate concentrations remained non-detect from their respective last sampling event to second quarter 2020 in MW-1, MW-3 (Screens 1 and 2), MW-4 (Screen 1), MW-5, MW-9, MW-12 (Screen 1), MW-14 (Screen 5), and MW-15.
- The perchlorate concentration of 50.0 µg/L in MW-4 (Screen 2) continues to be down from the high detection of 250.0 µg/L (third quarter 2013). Since the first quarter 2011, concentrations

have exceeded the state MCL (6.0 µg/L) (ranging from 6.5 µg/L to 250.0 µg/L) with thirteen exceptions: first, third, and fourth quarters of 2015, all four quarters of 2016 and 2017, and first and third quarters of 2018. Perchlorate concentrations in MW-4 (Screen 2) increased from fourth quarter 2018 (9.9 µg/L) to first quarter 2020 (51.0 µg/L) and then stabilized between first (51.0 µg/L) and second (50.0 µg/L) quarters 2020. Perchlorate concentrations will continue to be closely monitored since MW-4 is within the capture zone of the MHTS.

VOC ANALYTICAL RESULTS

- During the second quarter 2020, carbon tetrachloride was detected above the state MCL (0.5 µg/L) in MW-12 (Screen 3 [1.4 µg/L]) and below the state MCL (0.5 µg/L) in MW-12 (Screens 4 and 5 [0.4] µg/L and 0.2] µg/L, respectively). No other carbon tetrachloride detections occurred in the perimeter off-facility wells during the second quarter 2020.
- During the second quarter 2020, TCE was detected below the state and federal MCL (5.0 µg/L) in MW-4 (Screens 2 and 3 [0.4] µg/L and 0.3] µg/L, respectively) and MW-14 (Screens 2 and 3 [1.4 µg/L and 1.9 µg/L, respectively]). No other TCE detections occurred in the perimeter off-facility wells during the second quarter 2020.
- During the second quarter 2020, PCE was detected below the state and federal MCL (5.0 µg/L) in wells MW-4 (Screen 2 [0.2] µg/L) and MW-14 (Screens 2 and 3 [0.4] µg/L and 1.1 µg/L, respectively]). No other PCE detections occurred in the perimeter off-facility wells during the second quarter 2020.

OTHER NOTABLE ANALYTICAL RESULTS

- During the second quarter 2020, Cr(VI) was detected below the state MCL (50.0 µg/L) in MW-3 (Screens 1 through 5 [0.1] µg/L, 0.4 µg/L, 0.4 µg/L, 0.3 µg/L, and 0.3 µg/L, respectively]), MW-4 (Screens 1 and 3 [0.1] µg/L and 0.03] µg/L, respectively]), MW-9 (0.5 µg/L), MW-10 (0.8 µg/L), MW-12 (Screens 1, 3, 4, and 5 [0.8 µg/L, 0.5 µg/L, 0.6 µg/L, and 1.2 µg/L, respectively]), MW-14 (Screens 2, 4, and 5 [0.1] µg/L, 0.6 µg/L, and 0.04] µg/L, respectively]), and MW-15 (0.6 µg/L). No other Cr(VI) detections occurred in the perimeter off-facility wells during the second quarter 2020.
- During the second quarter 2020, total chromium was detected above the state MCL (50.0 µg/L) in MW-3 (Screen 5 [140.0 µg/L]) and below the state MCL (50.0 µg/L) in MW-3 (Screens 3 and 4 [4.6 µg/L and 44.0 µg/L, respectively]), MW-4 (Screens 2 through 5 [0.9] µg/L, 1.0] µg/L, 0.6] µg/L and 2.4] µg/L, respectively]), MW-10 (7.4 µg/L), MW-12 (Screens 4 and 5 [0.6] µg/L and 2.4] µg/L, respectively]), and MW-14 (Screens 2 through 5 [1.3] µg/L, 0.6] µg/L, 3.3 µg/L and 3.9 µg/L]). No other total chromium detections occurred in the perimeter off-facility wells during the second quarter 2020.
- This is the first detection of total chromium in MW-3 (Screen 5) at concentrations at or above the state MCL (50 µg/L) or federal MCL (100.0 µg/L) since the third quarter 1996. Turbidity was recorded during sampling at 133 NTU; therefore, this detection is believed to be associated with matrix interference.
- During the second quarter 2020, arsenic was detected above the state and federal MCL (10.0 µg/L) in MW-3 (Screens 4 [26.0 µg/L] and 5 [77.0 µg/L]). This is the fifth time that Arsenic was detected above the state and federal MCL of 10.0 µg/L in MW-3 (Screen 4) since the third

quarter 1996. The previous exceedances occurred during the second quarters of 2013, 2014, 2017, and 2019 at concentrations of 18.0 µg/L, 14.0 µg/L, 18.0 µg/L, and 14.0 µg/L, respectively. This is the fourth time that arsenic was detected above the state and federal MCL of 10.0 µg/L in MW-3 (Screen 5) since the third quarter 1996. The previous exceedances occurred during the third quarter 1996, fourth quarter 1997, and second quarter of 2015 at concentrations of 11.0 µg/L, 10.0 µg/L, and 13.0 µg/L, respectively. As indicated in the bullet above, matrix interference may be responsible for the detection in Screen 5.

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 2020, MW-20 (Screen 1) and MW-21 (Screen 1) were dry and no samples were collected.

PERCHLORATE ANALYTICAL RESULTS

- During the second quarter 2020 sampling event, concentrations of perchlorate 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 [6.5 µg/L, 12.0 µg/L, 9.3 µg/L, and 8.1 µg/L, respectively]).
- Perchlorate was detected below the state MCL (6.0 µg/L) in MW-17 (Screens 3 through 5 [3.7] µg/L, 4.1 µg/L, and 4.3 µg/L, respectively]), MW-18 (Screen 3 [1.4] µg/L]), MW-19 (Screens 2 through 5 [3.3] µg/L, 3.9] µg/L, 3.6] µg/L, and 2.7] µg/L, respectively]), MW-20 (Screen 2 [0.9] µg/L]), MW-21 (Screens 2 through 5 [1.9] µg/L, 3.2] µg/L, 3.7] µg/L, and 2.4] µg/L, respectively]), and MW-26 (Screens 1 and 2 [2.1] µg/L and 3.5] µg/L, respectively]).
- During the second quarter 2020, concentrations of perchlorate were not detected in MW-17 (Screens 1 and 2), MW-18 (Screens 1, 2, and 5), MW-19 (Screen 1), MW-20 (Screens 3 through 5), and MW-25 (Screen 5) with a reporting limit of 4.0 µg/L.
- Perchlorate concentrations increased from their respective last sampling event to the second quarter 2020 in MW-17 (Screen 3 through 5 [3.5] µg/L to 3.7] µg/L, 3.9] µg/L to 4.1 µg/L, and 4.2 µg/L to 4.3 µg/L, respectively]), MW-18 (Screens 3 and 4 [non-detect to 1.4] µg/L and 15.0 µg/L to 16.0 µg/L, respectively]), MW-19 (Screens 2 through 5 [2.6] µg/L to 3.3] µg/L, 3.3] µg/L to 3.9] µg/L, 3.1] µg/L to 3.6] µg/L, and 1.5] µg/L to 2.7] µg/L, respectively]), MW-21 (Screen 4 [3.3] µg/L to 3.7] µg/L]), MW-25 (Screens 2 through 4 [11.0 µg/L to 12.0 µg/L, 8.6 µg/L to 9.3 µg/L, and 7.8 µg/L to 8.1 µg/L, respectively]), and MW-26 (Screens 1 and 2 [1.9] µg/L to 2.1] µg/L and 2.6] µg/L to 3.5] µg/L, respectively]).
- Perchlorate concentrations decreased from their respective last sampling event to the second quarter 2020 in MW-20 (Screen 2 [1.0] µg/L to 0.9] µg/L]) and MW-21 (Screens 2 and 5 [2.0] µg/L to 1.9] µg/L and 2.5] µg/L to 2.4] µg/L, respectively]).
- Perchlorate concentrations remained unchanged from their respective last sampling event to the second quarter 2020 in MW-21 (Screen 3 [3.2] µg/L]) and MW 25 (Screen 1 [6.5 µg/L]).

- During the second quarter 2020, perchlorate concentrations were not detected in MW-17 (Screens 1 and 2), MW-18 (Screens 1, 2, and 5), MW-19 (Screen 1), MW-20 (Screens 3, 4, and 5), and MW-25 (Screen 5).
- Perchlorate concentrations in MW-17 (Screen 3) have remained relatively stable since 2011 with concentrations ranging from non-detect to 8.5 µg/L. MW-17 is located within the capture zone of the LAWC treatment system.
- The perchlorate concentration of 4.1 µg/L in MW-17 (Screen 4) is the twenty-second detection below the state MCL (6.0 µg/L) since the first quarter 2015. From the third quarter 2002 to the fourth quarter 2012, the perchlorate concentrations in MW-17 (Screen 4) had been either non-detect or below the state MCL (6.0 µg/L) with only one detection that exceeded the state MCL (second quarter 2003 [6.5 µg/L]). From the first quarter 2013 through the fourth quarter 2014, the perchlorate concentrations in MW-17 (Screen 4) exceeded the state MCL in seven of the eight quarters with exceedances ranging from 6.8 µg/L to 18.0 µg/L. From the first quarter 2015 to the second quarter 2020 sampling events, perchlorate in MW-17 (Screen 4) remained below the state MCL (6.0 µg/L) with concentrations ranging from non-detect (first quarter 2017) to 4.9 µg/L (first quarter 2018). The changes in perchlorate concentrations at MW-17 (Screen 4) are believed to be associated with changes in groundwater flow associated with operation of NASA's mid-plume treatment system, which began operation in 2011.
- The perchlorate concentration of 1.4J µg/L in MW-18 (Screen 3) is the twelfth consecutive detection below the state MCL (6.0 µg/L) since third quarter 2017. From the fourth quarter 2005 to second quarter 2017 perchlorate concentrations in MW-18 (Screen 3) have been above the state MCL (6.0 µg/L) ranging from 6.2 µg/L (second quarter 2017) to 144.0 µg/L (third quarter 2011) with one exception (non-detect [second quarter 2007]).
- During the period from the third quarter 2008 through first quarter 2012, perchlorate was detected in MW-20 (Screen 4) at concentrations exceeding the state MCL (6.0 µg/L) during seven of fifteen sampling events. Concentrations exceeding the state MCL ranged from 15.1 µg/L to 123.0J µg/L. Perchlorate was not detected during the remaining eight sampling events between third quarter 2008 and first quarter 2012. Perchlorate has not been detected in MW-20 (Screen 4) since the first quarter 2012 (33 sampling events).
- During the period from third quarter 2008 through first quarter 2012, perchlorate was detected in MW-20 (Screen 5) at concentrations exceeding the state MCL (6.0 µg/L) during seven of sixteen sampling events. During this time period, perchlorate concentrations exceeding the state MCL ranged from 11.5 µg/L to 56.5 µg/L. Perchlorate was not detected during the remaining nine sampling events during this period with one exception (4.2 µg/L [second quarter 2011]). From the second quarter 2012 to second quarter 2020 (33 sampling events) perchlorate concentrations have remained non-detect in MW-20 (Screen 5).

VOC ANALYTICAL RESULTS

- During the second quarter 2020, carbon tetrachloride was detected above the state MCL (0.5 µg/L) in MW-18 (Screen 4 [1.1 µg/L]). No other carbon tetrachloride detections occurred in the remaining off-facility wells during the second quarter 2020.
- Prior to third quarter 2018, the carbon tetrachloride concentrations in MW-18 (Screen 3) have exceeded the state MCL (0.5 µg/L) since the first quarter 2005. The non-detection in MW-18 (Screen 3), during the first quarter 2020, is the first non-detection since fourth quarter 2004. Since third quarter 2018, carbon tetrachloride in MW-18 (Screen 3) has ranged from non-detect

to 0.4J µg/L. Carbon tetrachloride detections in MW-18 (Screen 4) have exceeded the state MCL since the third quarter 1996 with one exception (non-detect [fourth quarter 2010]).

- During the second quarter 2020, TCE was detected below the state and federal MCL (5.0 µg/L) in MW-17 (Screens 3 through 5 [1.3 µg/L, 0.5J µg/L and 1.4 µg/L, respectively]), MW-18 (Screen 4 [0.7 µg/L]), MW-19 (Screens 2 and 3 [0.6 µg/L and 0.3J µg/L, respectively]), MW-20 (Screen 2 [0.4J µg/L]), MW-21 (Screens 2 through 5 [0.3J µg/L, 2.0 µg/L, 0.8 µg/L, and 0.3J µg/L, respectively]) and MW-25 (Screens 1 and 2 [0.7 µg/L and 0.5 µg/L, respectively]). No other TCE detections occurred in the remaining off-facility wells during the second quarter 2020.
- During the second quarter 2020, PCE was detected in MW-17 (Screens 3 through 5 [0.3J µg/L, 0.2J µg/L, and 0.7 µg/L, respectively]), MW-18 (Screen 4 [0.5 µg/L]), MW-19 (Screens 2 through 5 [1.3 µg/L, 0.7 µg/L, 0.4J µg/L, and 0.3J µg/L, respectively]), MW-20 (Screens 2 and 3 [0.3J µg/L and 0.5J µg/L, respectively]), MW-21 (Screens 2 through 5 [2.0 µg/L, 2.3 µg/L, 2.6 µg/L, and 1.9 µg/L, respectively]), MW-25 (Screens 2 and 3 [0.4J µg/L and 0.6 µg/L, respectively]), and MW-26 (Screens 1 and 2 [0.4J µg/L and 1.7 µg/L, respectively]); however, no detections exceeded the state and federal MCL (5.0 µg/L). PCE was not detected in the remaining off-facility wells during the second quarter 2020.

OTHER NOTABLE ANALYTICAL RESULTS

- During the second quarter 2020, Cr(VI) was detected below the state MCL (50.0 µg/L) in MW-17 (Screens 4 and 5 [0.6 µg/L and 1.3 µg/L, respectively]), MW-18 (Screens 1 through 4 [0.2 µg/L, 0.1J µg/L, 1.6 µg/L, and 2.8 µg/L, respectively]), MW-19 (Screens 2 through 5 [1.6 µg/L, 1.9 µg/L, 2.6 µg/L and 2.2 µg/L, respectively]), MW-20 (Screens 2 through 5 [0.1J µg/L each]), MW-21 (Screens 2, 4, and 5 [0.4 µg/L, 1.2 µg/L, and 1.2 µg/L, respectively]), MW-25 (Screens 2 through 4 [2.8 µg/L, 3.2 µg/L, and 1.0 µg/L, respectively]), and MW-26 (Screen 1 [0.3 µg/L]). Cr(VI) was not detected in the remaining off-facility wells.
- During the second quarter 2020, total chromium was detected below the state MCL (50.0 µg/L) in MW-17 (Screen 5 [5.2 µg/L]), MW-18 (Screens 3 and 4 [1.2J µg/L and 2.4J µg/L, respectively]), MW-19 (Screens 2 through 5 [1.3J µg/L, 2.0J µg/L, 2.2J µg/L, and 2.0J µg/L, respectively]), MW-21 (Screens 2 through 5 [7.0 µg/L, 7.6 µg/L, 1.4J µg/L, and 4.8 µg/L, respectively]) and MW-25 (Screens 1 through 4 [1.6J µg/L, 3.2 µg/L, 3.0 µg/L, and 3.6 µg/L, respectively]). Total chromium was not detected in the remaining off-facility wells.

ALL WELL CATEGORIES (OTHER RESULTS)

- Comparing the first quarter 2020 to the second quarter 2020, groundwater elevations increased by an average of 6.55 feet.
- Monitoring wells MW-6 and MW-16 could not be purged with the dedicated submersible pumps due to the low water table. Grab samples were collected from these wells with disposable bailers.
- The uppermost sampling port (i.e., Screen 1) in multi-port monitoring wells MW-14, MW-20, and MW-21 were dry and could not be sampled during the second quarter 2020. This is the third consecutive quarter in which the uppermost screens in MW-14, MW-20, and MW-21 were dry.

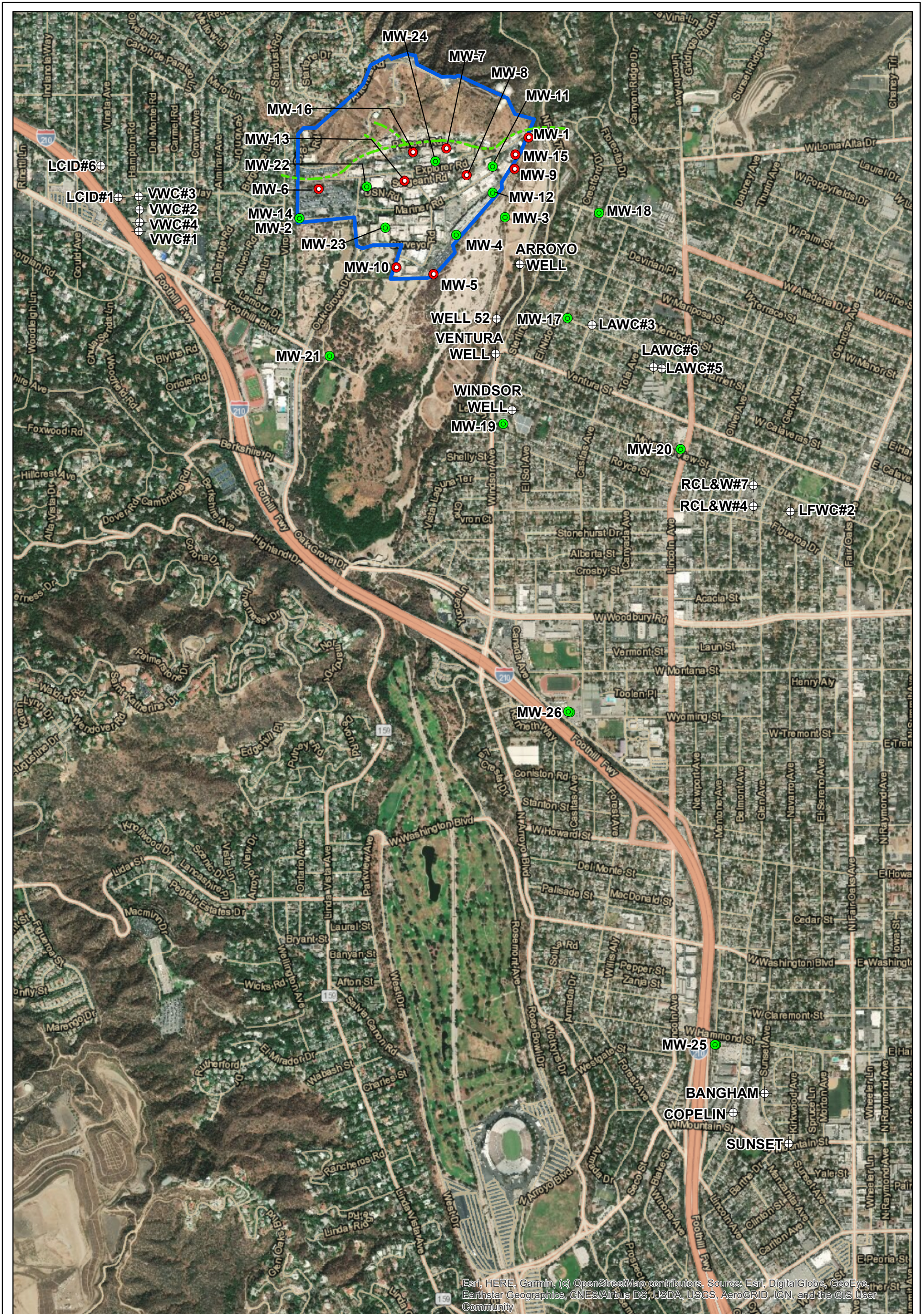
- Groundwater elevations recorded in the JPL monitoring wells showed a steady decline from the first and second quarters of 2011 through the fourth quarter of 2014 at which time the levels approached and/or exceeded historic lows last recorded in 1996 and 1997. During the period between first quarter 2015 and second quarter 2020, groundwater elevations have fluctuated on a seasonal basis. As of second quarter 2020, groundwater levels remain approximately 60 feet below the second quarter 2011 elevations. Groundwater elevations will continue to be closely monitored.
- Groundwater level measurements collected during the second quarter 2020 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
-

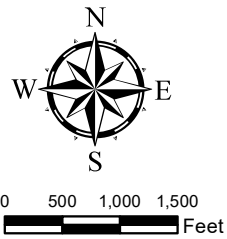
FIGURES



Esri, HERE, Garmin, (c) OpenStreetMap contributors, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

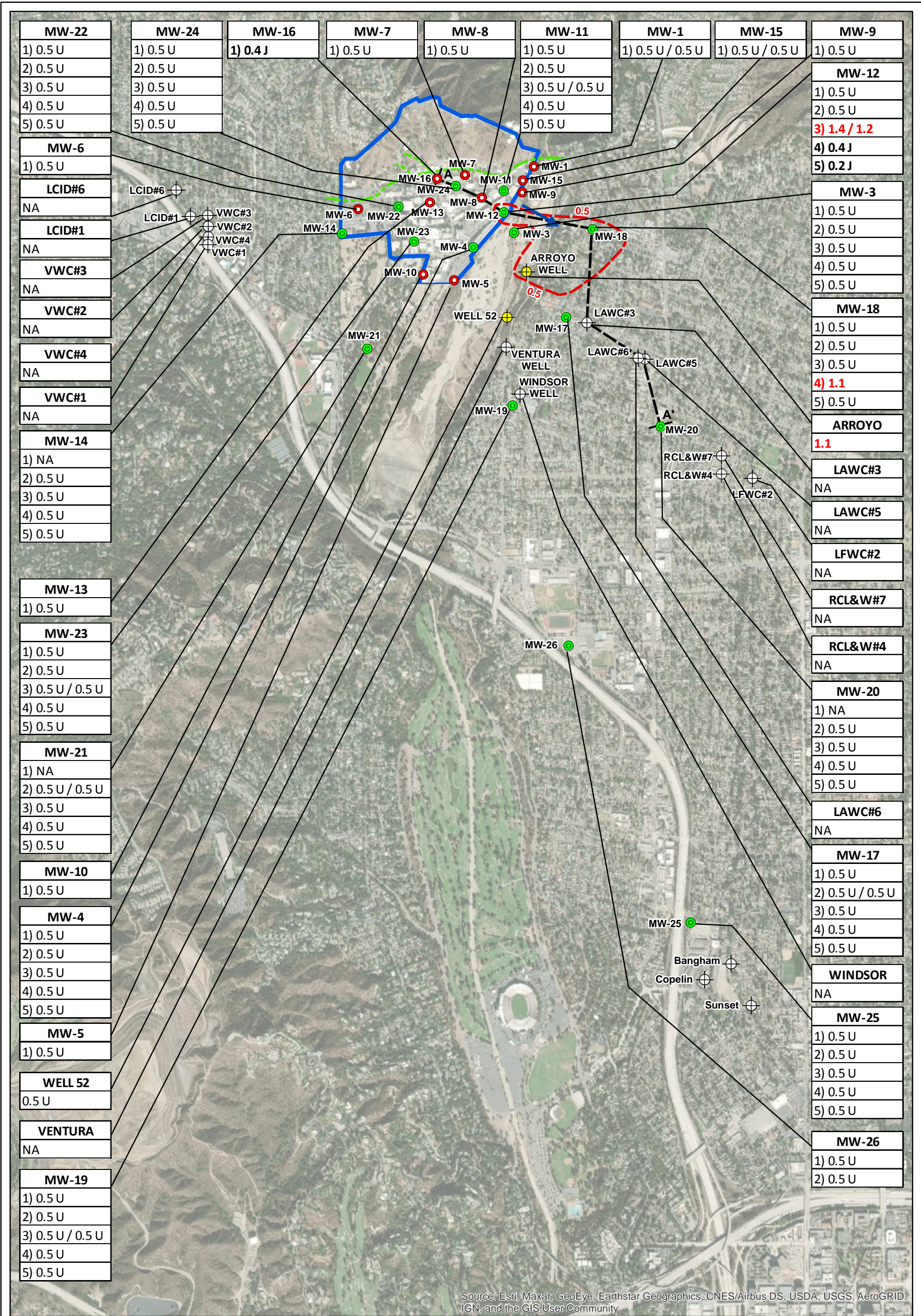
Legend

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

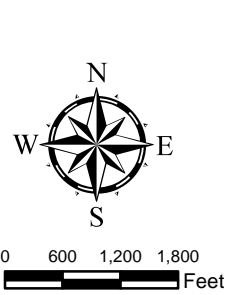


Locations of JPL Groundwater Monitoring Wells and Nearby Municipal Production Wells

DESIGNED BY JHG	JPL - Pasadena, CA	Figure 1
DRAWN BY JHG	Contract No: W912PL-13-D-0018 TO 001	Oct 2019
CHECKED BY DC		



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



Legend

● Deep Multi-Port Monitoring Well Location	Cross-Section Transect A-A'
● Shallow Monitoring Well Location	Estimated Isoconcentration Line (0.5 µg/L)
Municipal Production Well (Data Not Available)	JPL Facility Boundary
Municipal Production Well (Data From June 2020)	Approximate Location of Thrust Fault
	Groundwater Flow Direction

MW-8
1) 0.5 U

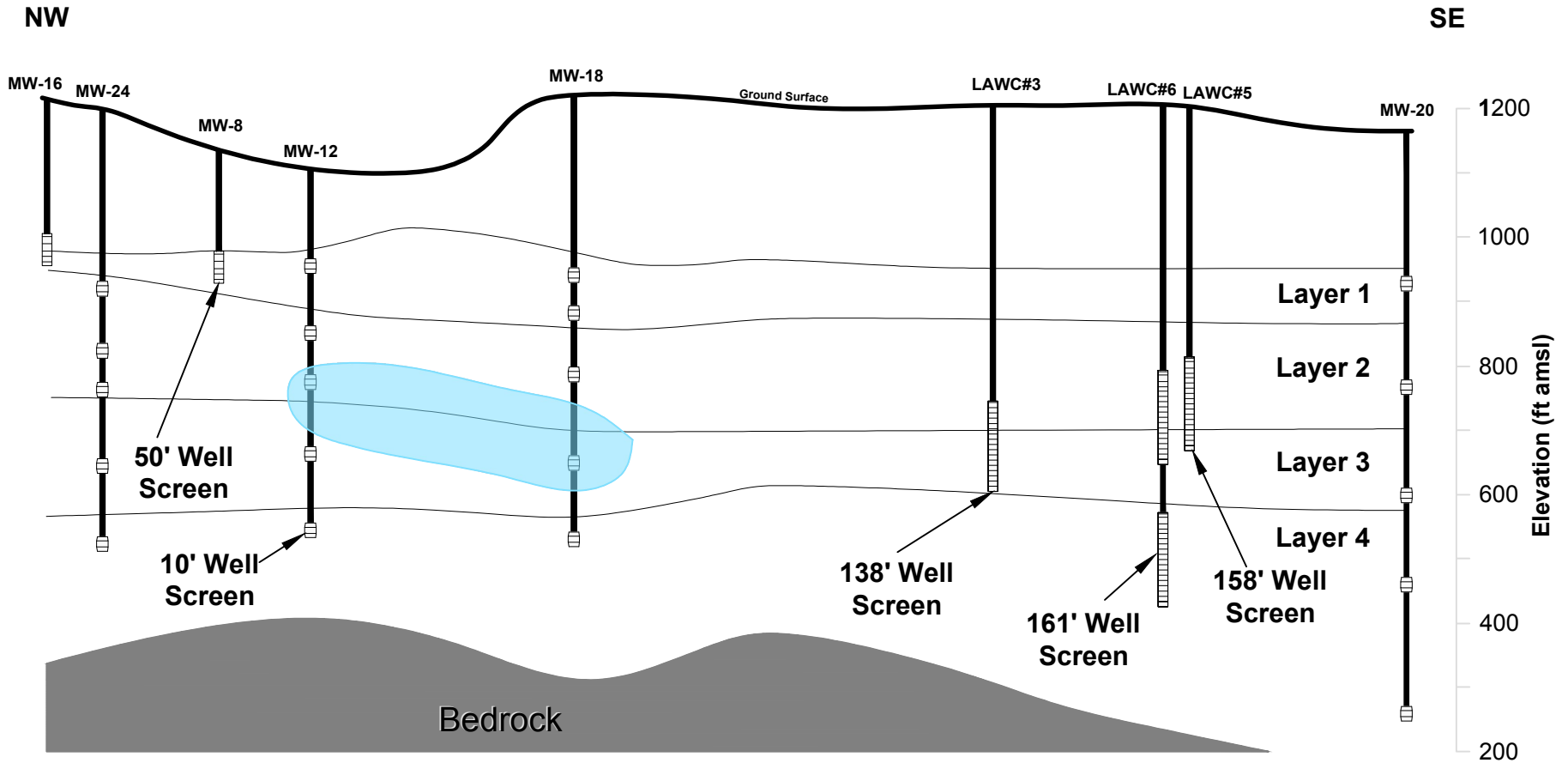
Well ID
 Screen number
 Concentration in micrograms per liter
 J = Detected estimated value
 U = Not detected estimated value
 NA = Not Analyzed

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

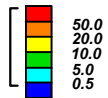
TIDEWATER INC
ENGINEERS / SCIENTISTS / PROGRAM MANAGERS

**Carbon Tetrachloride in Groundwater
 June 2020**

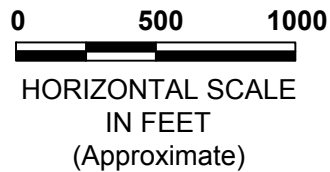
DESIGNED BY JHG	JPL - Pasadena, CA	Figure 2
DRAWN BY JHG	Contract No: FA8903-16-D-0049	Sep 2020
CHECKED BY DC		



Note: Concentrations are Reported in $\mu\text{g/L}$
 Plume depicted above delineates concentrations
 exceeding state MLC ($0.5 \mu\text{g/L}$)

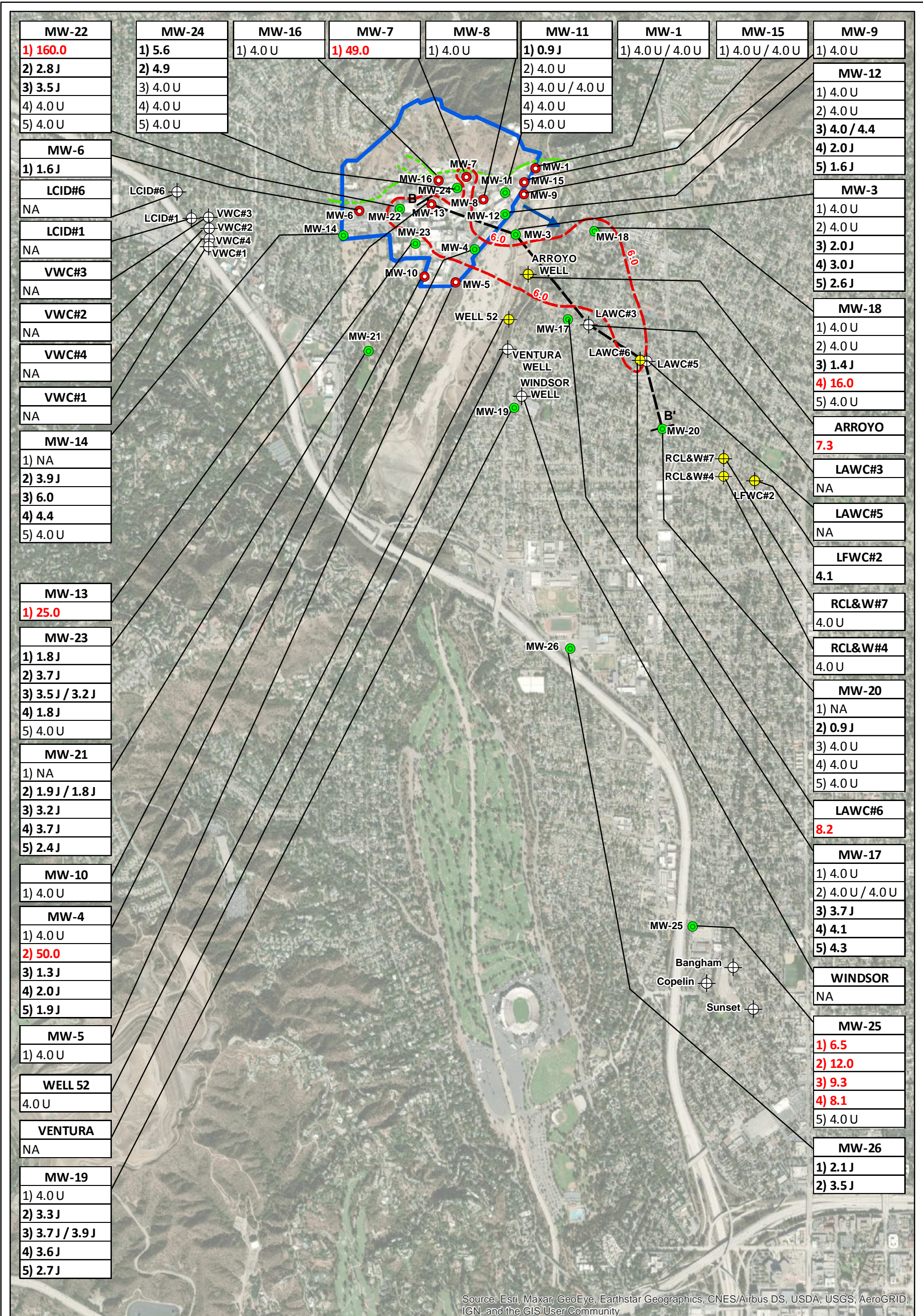


Z exag: 3.0

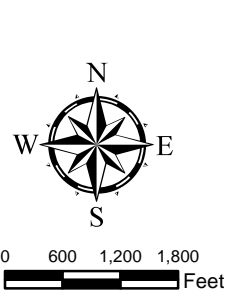


Horizontal and Vertical Extent
 of Carbon Tetrachloride in Groundwater
 June 2020

DESIGNED BY	JPL - Pasadena, CA	Figure 3
DRAWN BY		
CHECKED BY	Contract No:	Sep 2020
DC	FA8903-16-D-0049	



Source: Esri, Maxar, 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 June 2020)
- Cross-Section Transect B-B'
- Estimated Isoconcentration Line (6 µg/L)
- Approximate Location of Thrust Fault
- JPL Facility Boundary
- Groundwater Flow Direction

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.

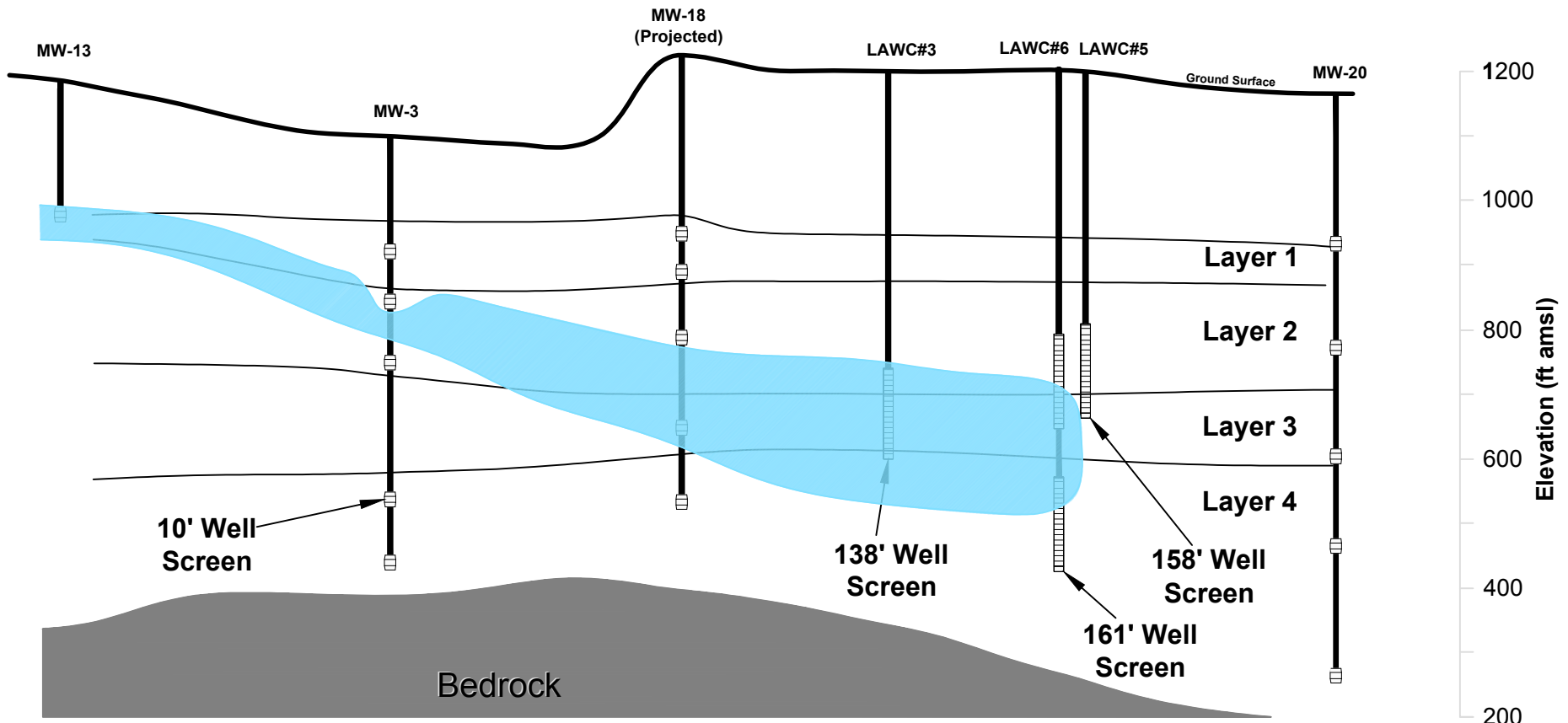


Perchlorate in Groundwater
 June 2020

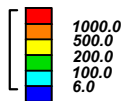
DESIGNED BY JHG	JPL - Pasadena, CA	Figure 4
DRAWN BY JHG		
CHECKED BY DC	Contract No: FA8903-16-D-0049	Sep 2020

NW

SE



Note: Concentrations are Reported in $\mu\text{g/L}$
 Plume depicted above delineates concentrations
 exceeding state MCL ($6.0 \mu\text{g/L}$)



Z exag: 3.0

0 500 1000



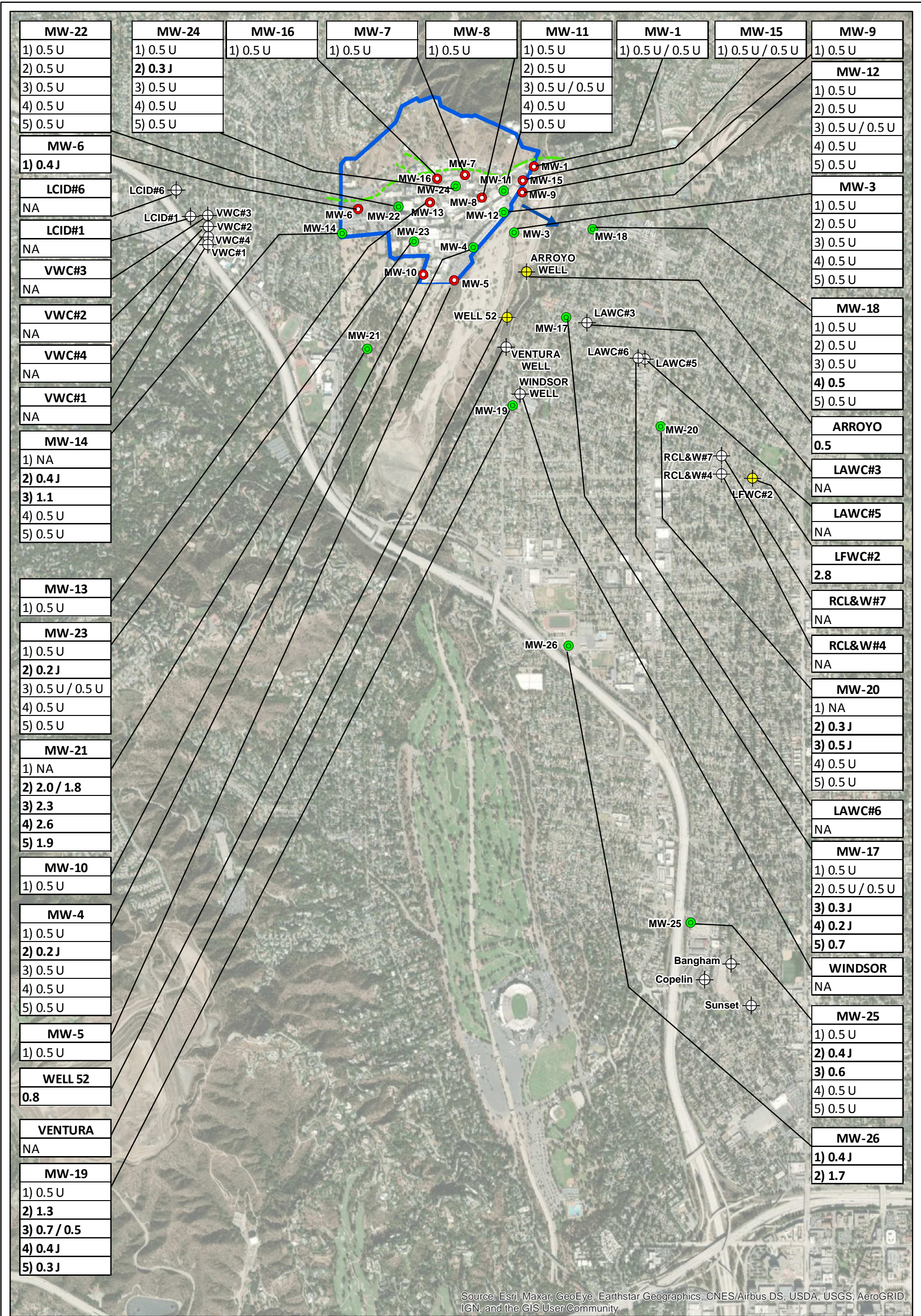
HORIZONTAL SCALE
 IN FEET
 (Approximate)



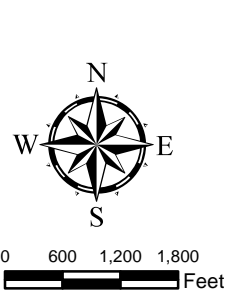
TIDEWATER INC
ENGINEERS / SCIENTISTS / PROGRAM MANAGERS

Horizontal and Vertical Extent
 of Perchlorate in Groundwater
 June 2020

DESIGNED BY	JPL - Pasadena, CA	Figure 5
JHG		
DRAWN BY	Contract No: FA8903-16-D-0049	Sep 2020
JHG		
CHECKED BY		
DC		



Source: Esri, Maxar, 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 June 2020)
- 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
 Screen number
 Concentration in micrograms per liter
 J = Detected estimated value
 U = Not detected estimated value
 NA = Not Analyzed

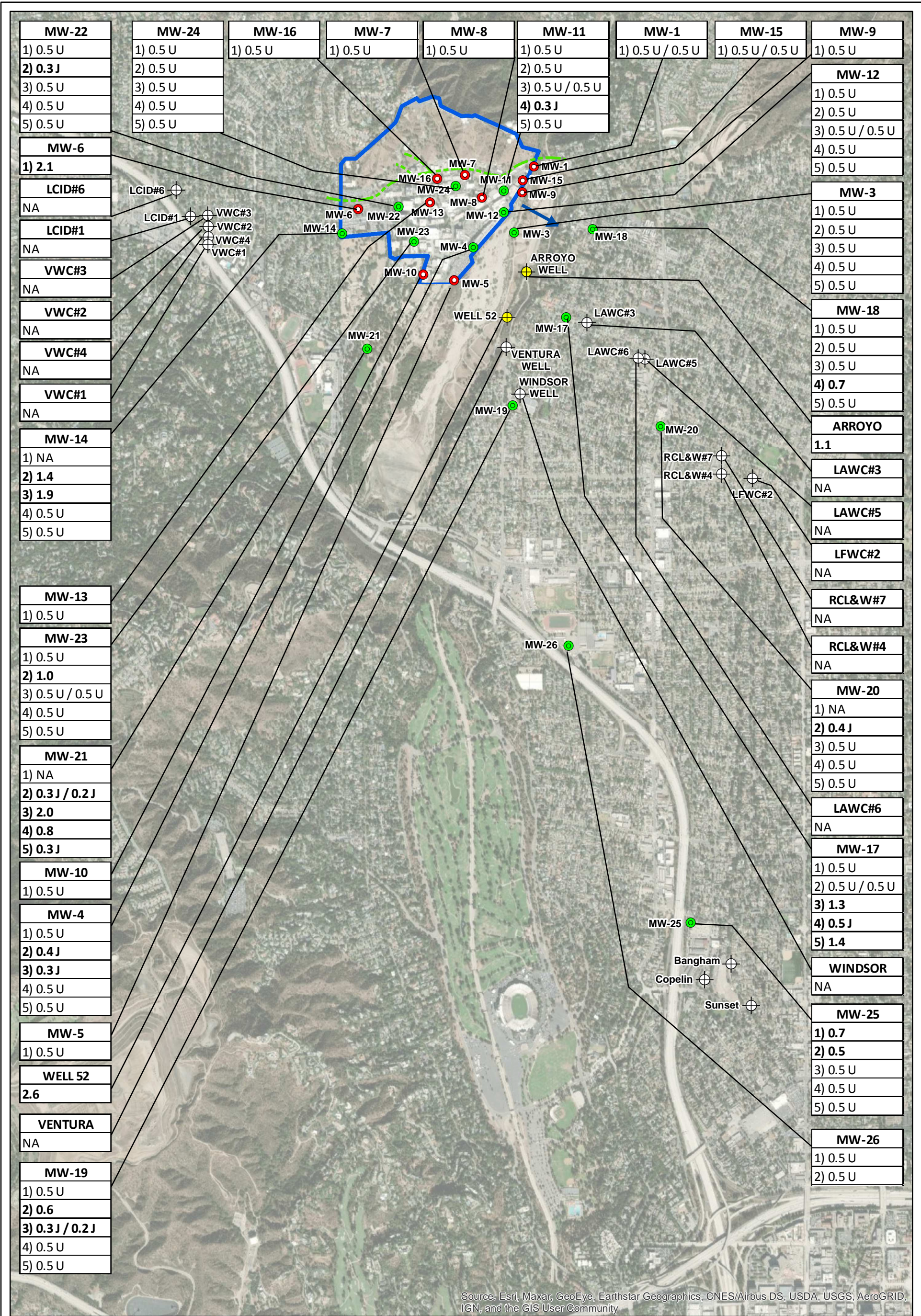
Bold font indicates detected concentration below the State maximum contaminant level (MCL) of 5 micrograms per liter; red font indicates concentration exceeds MCL.



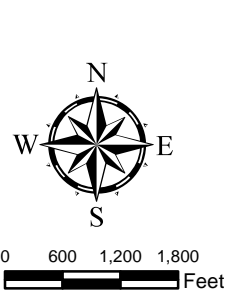
Tetrachloroethene in Groundwater
 June 2020

DESIGNED BY JHG	JPL - Pasadena, CA	Contract No: FA8903-16-D-0049	Figure 6
DRAWN BY JHG			Sep 2020
CHECKED BY DC			

MW-22 1) 0.5 U 2) 0.5 U 3) 0.5 U 4) 0.5 U 5) 0.5 U	MW-24 1) 0.5 U 2) 0.3 J 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 / 0.5 U	MW-15 1) 0.5 U / 0.5 U	MW-9 1) 0.5 U
MW-6 1) 0.4 J	LCID#6 NA	LCID#1 NA	VWC#3 NA	VWC#2 NA	VWC#4 NA	VWC#1 NA	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-3 1) 0.5 U 2) 0.5 U 3) 0.5 U 4) 0.5 U 5) 0.5 U
MW-14 1) NA 2) 0.4 J 3) 1.1 4) 0.5 U 5) 0.5 U	MW-13 1) 0.5 U	MW-23 1) 0.5 U 2) 0.2 J 3) 0.5 U / 0.5 U 4) 0.5 U 5) 0.5 U	MW-21 1) NA 2) 2.0 / 1.8 3) 2.3 4) 2.6 5) 1.9	MW-10 1) 0.5 U	MW-4 1) 0.5 U 2) 0.2 J 3) 0.5 U 4) 0.5 U 5) 0.5 U	MW-5 1) 0.5 U	WELL 52 0.8	VENTURA NA
MW-19 1) 0.5 U 2) 1.3 3) 0.7 / 0.5 4) 0.4 J 5) 0.3 J	MW-20 1) NA 2) 0.3 J 3) 0.5 J 4) 0.5 U 5) 0.5 U	LAWC#3 NA	LAWC#5 NA	LFWC#2 2.8	RCL&W#7 NA	RCL&W#4 NA	MW-20 1) NA 2) 0.3 J 3) 0.5 J 4) 0.5 U 5) 0.5 U	LAWC#6 NA
MW-26 1) 0.4 J 2) 1.7	MW-25 1) 0.5 U 2) 0.4 J 3) 0.6 4) 0.5 U 5) 0.5 U	WINDSOR NA	MW-17 1) 0.5 U 2) 0.5 U / 0.5 U 3) 0.3 J 4) 0.2 J 5) 0.7	MW-18 1) 0.5 U 2) 0.5 U 3) 0.5 U 4) 0.5 5) 0.5 U	ARROYO 0.5	LAWC#3 NA	MW-18 1) 0.5 U 2) 0.5 U 3) 0.5 U 4) 0.5 5) 0.5 U	MW-18 1) 0.5 U 2) 0.5 U 3) 0.5 U 4) 0.5 5) 0.5 U



Source: Esri, Maxar, 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 June 2020)
- Estimated Isoconcentration Line (5 µg/L)
- JPL Facility Boundary
- Approximate Location of Thrust Fault
- Groundwater Flow Direction

MW-8
1) 0.5 U

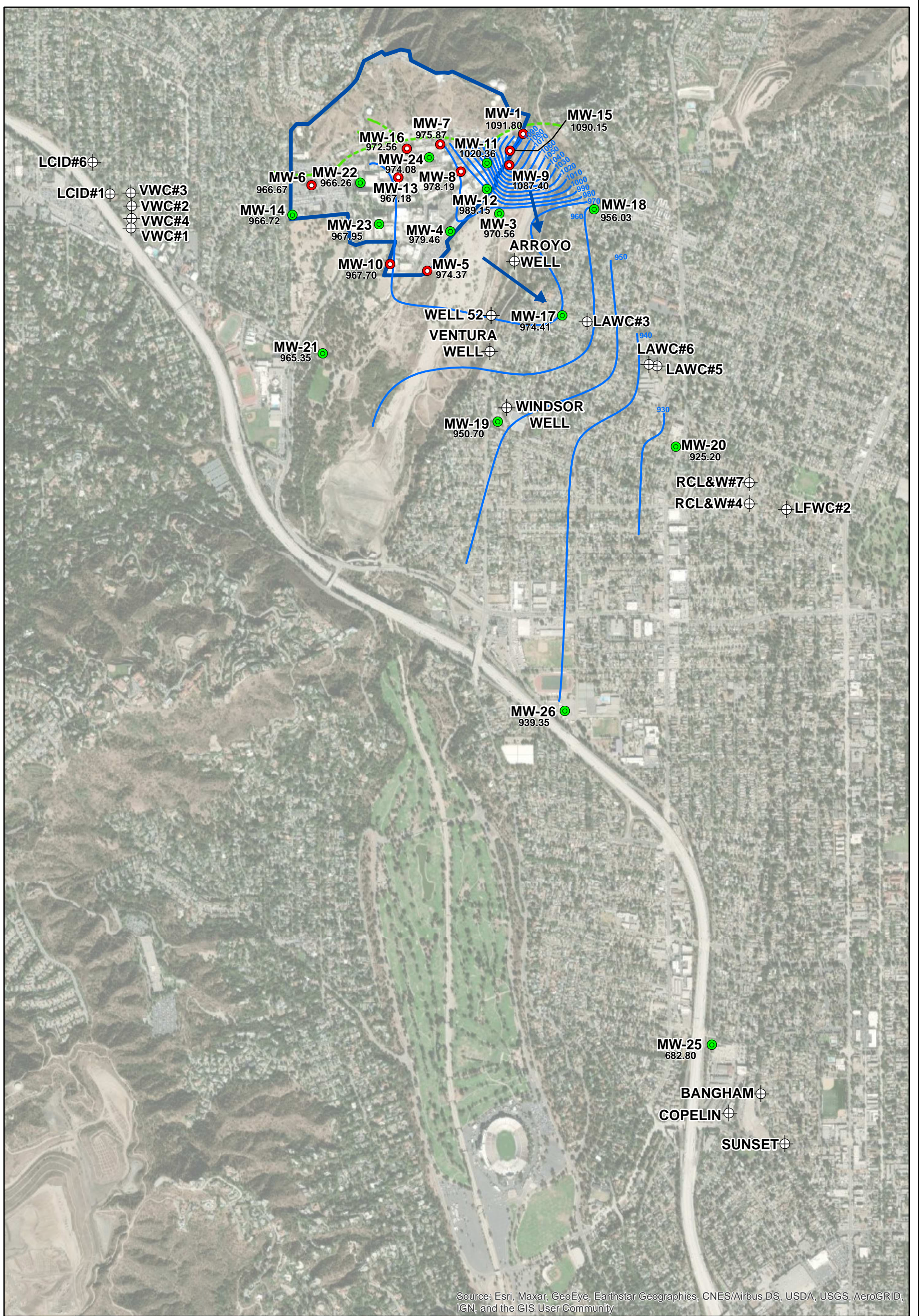
Well ID
 Screen number
 Concentration in micrograms per liter
 J = Detected estimated value
 U = Not detected estimated value
 NA = Not Analyzed

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



Trichloroethene in Groundwater
 June 2020

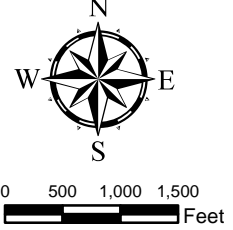
DESIGNED BY JHG	JPL - Pasadena, CA	Figure 7
DRAWN BY JHG		
CHECKED BY DC	Contract No: FA8903-16-D-0049	Sep 2020



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

Legend

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



**Groundwater Elevation Contours
June 2020**

DESIGNED BY JHG	JPL - Pasadena, CA	Figure 8
DRAWN BY JHG	Contract No: W912PL-13-D-0018 TO 001	Sep 2020
CHECKED BY DC		

TABLES

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

(All concentrations reported in µg/L.)

(Shaded values exceed State or Federal 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 2019	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	0.9 J	
MW-1	Apr/May 2019	DUP-8-2Q19	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-1	Oct 2019	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	Jun 2020	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	Jun 2020	Dup-8-2Q2020	0.5 U	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 2019	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3-Screen-1	Oct 2019	MW-3-1	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3-Screen-1	Jun 2020	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 2019	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	Jul/Aug 2019	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	Oct 2019	MW-3-2	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3-Screen-2	Feb 2020	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	Jun 2020	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-3												
MW-3-Screen-3	Apr/May 2019	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	Jul/Aug 2019	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	1.4 J	
MW-3-Screen-3	Jul/Aug 2019	DUP-2-3Q19	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	1.3 J	
MW-3-Screen-3	Oct 2019	MW-3-3	0.5 UJ	0.5 U	0.4 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.4 J	
MW-3-Screen-3	Feb 2020	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	1.3 J	
MW-4-Screen-3	Feb 2020	DUP-7-1Q20	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-3-Screen-3	Jun 2020	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	2.0 J	
MW-3-Screen-4												
MW-3-Screen-4	Apr/May 2019	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	1.2 J	
MW-3-Screen-4	Jul/Aug 2019	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	1.1 J	
MW-3-Screen-4	Oct 2019	MW-3-4	0.5 UJ	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	Feb 2020	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	1.3 J	
MW-3-Screen-4	Feb 2020	DUP-2-1Q20	0.5 U	0.5 U	0.2 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	1.2 J	
MW-3-Screen-4	Jun 2020	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	3.0 J	
MW-3-Screen-5												
MW-3-Screen-5	Apr/May 2019	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	1.1 J	
MW-3-Screen-5	Oct 2019	MW-3-5	0.5 UJ	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.9 J	
MW-3-Screen-5	Jun 2020	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 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-4-Screen-1													
MW-4-Screen-1	Apr/May 2019	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 2019	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-4-Screen-1	Oct 2019	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	Feb 2020	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	Jun 2020	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-2													
MW-4-Screen-2	Apr/May 2019	MW-4-2	0.5 U	0.9	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	31.0		
MW-4-Screen-2	Jul/Aug 2019	MW-4-2	0.5 U	1.2	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.8	34.0		
MW-4-Screen-2	Oct 2019	MW-4-2	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	32.0		
MW-4-Screen-2	Feb 2020	MW-4-2	0.5 U	1.2	0.6	0.5 U	0.5 U	0.5 U	0.5 U	1.0	51.0		
MW-4-Screen-2	Jun 2020	MW-4-2	0.5 U	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	50.0		
MW-4-Screen-3													
MW-4-Screen-3	Apr/May 2019	MW-4-3	0.5 U	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	3.9 J		
MW-4-Screen-3	Jul/Aug 2019	MW-4-3	0.5 U	1.2	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-4-Screen-3	Oct 2019	MW-4-3	0.5 U	0.6	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	Feb 2020	MW-4-3	0.5 U	0.5 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1.8 J		
MW-4-Screen-3	Feb 2020	DUP-7-1Q20	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-4-Screen-3	Jun 2020	MW-4-3	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3 J		
MW-4-Screen-4													
MW-4-Screen-4	Apr/May 2019	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		
MW-4-Screen-4	Oct 2019	MW-4-4	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-4-Screen-4	Jun 2020	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J		
MW-4-Screen-5													
MW-4-Screen-5	Apr/May 2019	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	0.4 J 0.2 J
MW-4-Screen-5	Oct 2019	MW-4-5	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-4-Screen-5	Jun 2020	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9 J		
MW-5													
MW-5	Apr/May 2019	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 2019	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	Oct 2019	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	Oct 2019	DUP-6-4Q19	0.5 U	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	Feb 2020	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	Jun 2020	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-6													
MW-6	Apr/May 2019	MW-6	0.5 U	4.8	1.0	0.2 J	0.5 U	0.5 U	0.5 U	0.8	6.0	trans-1,2-Dichloroethene	0.2 J
MW-6	Jul/Aug 2019	MW-6	0.5 U	3.2	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.6	3.7 J	trans-1,2-Dichloroethene	0.2 J
MW-6	Oct 2019	MW-6	0.5 U	2.6	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5	3.4 J		
MW-6	Feb 2020	MW-6	0.5 U	2.7	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5	3.4 J		
MW-6	Jun 2020	MW-6	0.5 U	2.1	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	1.6 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													
MW-7	Apr/May 2019	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0	21.0	Bromodichloromethane	2.6
												Dibromochloromethane	0.3 J
MW-7	Jul/Aug 2019	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.4	4.3	Bromodichloromethane	1.5
MW-7	Oct 2019	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.8	0.8 J		
MW-7	Feb 2020	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	4.0 U	Bromodichloromethane	0.7
MW-7	Jun 2020	MW-7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.0	49.0	Bromodichloromethane	0.2 J
MW-8													
MW-8	Apr/May 2019	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		
MW-8	Apr/May 2019	DUP-6-2Q19	0.5 U	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-8	Jul/Aug 2019	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		
MW-8	Oct 2019	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		
MW-8	Oct 2019	DUP-8-4Q19	0.5 U	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-8	Feb 2020	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		
MW-8	Jun 2020	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	Trichlorofluoromethane	0.2 J
MW-9													
MW-9	Apr/May 2019	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	Oct 2019	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	Jun 2020	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 2019	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	4.0 U		
MW-10	Jul/Aug 2019	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	4.0 U		
MW-10	Oct 2019	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	4.0 U		
MW-10	Feb 2020	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	0.8 J		
MW-10	Jun 2020	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	4.0 U		
MW-11-Screen-1													
MW-11-Screen-1	Apr/May 2019	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3 J		
MW-11-Screen-1	Jul/Aug 2019	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 J		
MW-11-Screen-1	Oct 2019	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	Feb 2020	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	Jun 2020	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	0.9 J		
MW-11-Screen-2													
MW-11-Screen-2	Apr/May 2019	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 2019	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-11-Screen-2	Oct 2019	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	Feb 2020	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	Feb 2020	DUP-4-1Q20	0.5 U	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	Jun 2020	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		

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													
MW-11-Screen-3	Apr/May 2019	MW-11-3	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	Methyl-tert-butyl ether (MTBE)	0.2 J
												Styrene	0.2 J
												Toluene	0.2 J
MW-11-Screen-3	Apr/May 2019	DUP-5-2Q19	0.5 U	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)	0.2 J
												Styrene	0.3 J
MW-11-Screen-3	Jul/Aug 2019	MW-11-3	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Methyl-tert-butyl ether (MTBE)	0.2 J
												Styrene	0.4 J
MW-11-Screen-3	Oct 2019	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	Carbon disulfide	0.5 J
												Methyl-tert-butyl ether (MTBE)	0.3 J
												Styrene	0.4 J
MW-11-Screen-3	Feb 2020	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	Carbon disulfide	0.6 J
												Methyl-tert-butyl ether (MTBE)	0.3 J
												Styrene	0.2 J
MW-11-Screen-3	Jun 2020	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	Methyl-tert-butyl ether (MTBE)	0.2 J
												Styrene	0.2 J
MW-11-Screen-3	Jun 2020	Dup-5-2Q2020	0.5 U	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													
MW-11-Screen-4	Apr/May 2019	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	Jul/Aug 2019	MW-11-4	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.2 J
MW-11-Screen-4	Oct 2019	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		
MW-11-Screen-4	Feb 2020	MW-11-4	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	1.1
MW-11-Screen-4	Jun 2020	MW-11-4	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-11-Screen-5													
MW-11-Screen-5	Apr/May 2019	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	Oct 2019	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	Jun 2020	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-12-Screen-1													
MW-12-Screen-1	Apr/May 2019	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 J		
MW-12-Screen-1	Jul/Aug 2019	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	Feb 2020	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	Acetone	14.0
MW-12-Screen-1	Jun 2020	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 2019	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 J		
MW-12-Screen-2	Jul/Aug 2019	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	Acrylonitrile	16
												Benzene	0.2 J
												Ethylbenzene	0.2 J
												Methyl-tert-butyl ether (MTBE)	0.5
												Styrene	1.8
												Vinyl chloride	0.4 J
MW-12-Screen-2	Oct 2019	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 J		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-12-Screen-2	Feb 2020	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1 J	Trichlorofluoromethane	0.2 J
MW-12-Screen-2	Feb 2020	DUP-6-1Q20	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-12-Screen-2	Jun 2020	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 2019	MW-12-3	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.9		
MW-12-Screen-3	Jul/Aug 2019	MW-12-3	2.2	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.9		
MW-12-Screen-3	Oct 2019	MW-12-3	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	3.6 J		
MW-12-Screen-3	Feb 2020	MW-12-3	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	3.5 J		
MW-12-Screen-3	Jun 2020	MW-12-3	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.0		
MW-12-Screen-3	Jun 2020	Dup-4-2Q2020	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	4.4		
MW-12-Screen-4													
MW-12-Screen-4	Apr/May 2019	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	2.5 J		
MW-12-Screen-4	Apr/May 2019	DUP-6-2Q19	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.0 J		
MW-12-Screen-4	Jul/Aug 2019	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	2.6 J		
MW-12-Screen-4	Oct 2019	MW-12-4	0.2 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	Feb 2020	MW-12-4	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.7 J		
MW-12-Screen-4	Jun 2020	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	2.0 J		
MW-12-Screen-5													
MW-12-Screen-5	Apr/May 2019	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	1.4 J		
MW-12-Screen-5	Jul/Aug 2019	MW-12-5	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.2 J	Styrene	0.2 J
MW-12-Screen-5	Oct 2019	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	1.7 J		
MW-12-Screen-5	Feb 2020	MW-12-5	0.4 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	Jun 2020	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	1.6 J		
MW-13													
MW-13	Apr/May 2019	MW-13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	39.0	Trichlorofluoromethane	4.1
MW-13	Jul/Aug 2019	MW-13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	29.0	Trichlorofluoromethane	3.6
MW-13	Oct 2019	MW-13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1	40.0	Trichlorofluoromethane	2.8
MW-13	Feb 2020	MW-13	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5	50.0	Trichlorofluoromethane	1.6
MW-13	Jun 2020	MW-13	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	25.0	Trichlorofluoromethane	1.4
MW-14-Screen-1													
MW-14-Screen-1	Apr/May 2019	MW-14-1	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.4 J		
MW-14-Screen-1	Jul/Aug 2019	MW-14-1	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.5 J	Methyl-tert-butyl ether (MTBE)	0.3 J
MW-14-Screen-2													
MW-14-Screen-2	Apr/May 2019	MW-14-2	0.5 U	1.1	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 J	3.9 J		
MW-14-Screen-2	Jul/Aug 2019	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 J	4.2		
MW-14-Screen-2	Oct 2019	MW-14-2	0.5 U	1.5	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.6	3.5 J		
MW-14-Screen-2	Feb 2020	MW-14-2	0.5 U	1.5	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	3.7 J		
MW-14-Screen-2	Jun 2020	MW-14-2	0.5 U	1.4	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	3.9 J		
MW-14-Screen-3													
MW-14-Screen-3	Apr/May 2019	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	4.8		
MW-14-Screen-3	Jul/Aug 2019	MW-14-3	0.5 U	0.7	0.4 J	0.3 J	0.5 U	0.5 U	0.5 U	0.3 J	3.9 J		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-14-Screen-3	Oct 2019	MW-14-3	0.5 U	0.9	0.4 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 J	4.0		
MW-14-Screen-3	Feb 2020	MW-14-3	0.5 U	1.0	0.6	0.3 J	0.5 U	0.5 U	0.5 U	0.5	4.2		
MW-14-Screen-3	Jun 2020	MW-14-3	0.5 U	1.9	1.1	0.7	0.5 U	0.5 U	0.5 U	0.9	6.0	1,2,3-Trichlorobenzene	0.2 J
MW-14-Screen-4													
MW-14-Screen-4	Apr/May 2019	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	3.5 J		
MW-14-Screen-4	Jul/Aug 2019	MW-14-4	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.6		
MW-14-Screen-4	Oct 2019	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	4.1		
MW-14-Screen-4	Feb 2020	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	Jun 2020	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-5													
MW-14-Screen-5	Apr/May 2019	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	Jul/Aug 2019	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	Acrylonitrile Styrene	2.3 J 0.2 J
MW-14-Screen-5	Oct 2019	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	Feb 2020	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	Jun 2020	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U		
MW-15													
MW-15	Apr/May 2019	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-15	Oct 2019	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-15	Jun 2020	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-15	Jun 2020	Dup-7-2Q2020	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-16													
MW-16	Apr/May 2019	MW-16	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.3	4.0 U	Bromodichloromethane	3.0
MW-16	Jul/Aug 2019	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.6	2.9 J	Bromodichloromethane	0.8
MW-16	Oct 2019	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 J		
MW-16	Feb 2020	MW-16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.9	4.0 U	Bromodichloromethane	3.3
MW-16	Jun 2020	MW-16	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	4.0 U	Bromodichloromethane	0.3 J
MW-17-Screen-1													
MW-17-Screen-1	Apr/May 2019	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	Oct 2019	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	Jun 2020	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 2019	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-17-Screen-2	Jul/Aug 2019	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-17-Screen-2	Oct 2019	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	Feb 2020	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	Jun 2020	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	Jun 2020	Dup-2-2Q2020	0.5 U	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 2019	MW-17-3	0.5 U	2.0	0.4 J	0.2 J	0.5 U	0.5 U	0.5 U	0.3 J	6.5		
MW-17-Screen-3	Jul/Aug 2019	MW-17-3	0.5 U	1.9	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.4 J	5.5		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-17-Screen-3	Oct 2019	MW-17-3	0.5 UJ	2.0	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.4 J	4.6		
MW-17-Screen-3	Feb 2020	MW-17-3	0.5 U	5.2	1.0	0.3 J	0.5 U	0.5 U	0.5 U	0.6	3.5 J		
MW-17-Screen-3	Jun 2020	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	3.7 J		
MW-17-Screen-4													
MW-17-Screen-4	Apr/May 2019	MW-17-4	0.5 U	0.8	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.7 J		
MW-17-Screen-4	Jul/Aug 2019	MW-17-4	0.5 U	0.6	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.4		
MW-17-Screen-4	Oct 2019	MW-17-4	0.5 UJ	0.9	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.7	3.8 J		
MW-17-Screen-4	Feb 2020	MW-17-4	0.5 U	1.1	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.9 J		
MW-17-Screen-4	Jun 2020	MW-17-4	0.5 U	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.1		
MW-17-Screen-5													
MW-17-Screen-5	Apr/May 2019	MW-17-5	0.5 U	0.7	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.2 J		
MW-17-Screen-5	Oct 2019	MW-17-5	0.5 UJ	0.9	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	4.2		
MW-17-Screen-5	Jun 2020	MW-17-5	0.5 U	1.4	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.3		
MW-18-Screen-1													
MW-18-Screen-1	Apr/May 2019	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	5.0		
MW-18-Screen-1	Jun 2020	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	4.0 U		
MW-18-Screen-2													
MW-18-Screen-2	Apr/May 2019	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 2019	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 2019	DUP-3-3Q19	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-18-Screen-2	Oct 2019	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-18-Screen-2	Oct 2019	DUP-7-4Q19	0.5 U	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	Feb 2020	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	Jun 2020	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 2019	MW-18-3	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 J		
MW-18-Screen-3	Apr/May 2019	DUP-3-2Q19	0.2 J	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-18-Screen-3	Jul/Aug 2019	MW-18-3	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	3.0 J		
MW-18-Screen-3	Oct 2019	MW-18-3	0.2 J	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-18-Screen-3	Feb 2020	MW-18-3	0.4 J	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	Jun 2020	MW-18-3	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-18-Screen-4													
MW-18-Screen-4	Apr/May 2019	MW-18-4	2.8	0.7	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0	17.0		
MW-18-Screen-4	Jul/Aug 2019	MW-18-4	1.0	0.6	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.6	16.0		
MW-18-Screen-4	Oct 2019	MW-18-4	2.2	1.1	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.9	16.0		
MW-18-Screen-4	Feb 2020	MW-18-4	4.7	2.3	1.9	0.5 U	0.5 U	0.5 U	0.5 U	1.3	15.0		
MW-18-Screen-4	Jun 2020	MW-18-4	1.1	0.7	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.6	16.0		
MW-18-Screen-5													
MW-18-Screen-5	Apr/May 2019	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-18-Screen-5	Jul/Aug 2019	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	Acrylonitrile Styrene	1.6 J 0.2 J

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP		
MW-18-Screen-5	Oct 2019	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.1 J	
MW-18-Screen-5	Feb 2020	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	Jun 2020	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	Carbon disulfide Styrene	0.8 J 0.1 J	
MW-19-Screen-1														
MW-19-Screen-1	Apr/May 2019	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U		
MW-19-Screen-1	Jul/Aug 2019	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	1.7 J		
MW-19-Screen-1	Oct 2019	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.0 U		
MW-19-Screen-1	Feb 2020	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	4.0 U		
MW-19-Screen-1	Jun 2020	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.0 U		
MW-19-Screen-2														
MW-19-Screen-2	Apr/May 2019	MW-19-2	0.5 U	0.9	1.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	2.6 J	cis-1,2-Dichloroethene	0.3 J
MW-19-Screen-2	Jul/Aug 2019	MW-19-2	0.5 U	0.9	2.4	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	2.2	3.8 J	cis-1,2-Dichloroethene Methyl-tert-butyl ether (MTBE)	0.4 J 0.1 J
MW-19-Screen-2	Oct 2019	MW-19-2	0.5 U	0.8	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	3.7 J	cis-1,2-Dichloroethene	0.3 J
MW-19-Screen-2	Feb 2020	MW-19-2	0.5 U	1.0	2.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	2.6 J	cis-1,2-Dichloroethene	0.3 J
MW-19-Screen-2	Jun 2020	MW-19-2	0.5 U	0.6	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3	3.3 J		
MW-19-Screen-3														
MW-19-Screen-3	Apr/May 2019	MW-19-3	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.7	2.3 J		
MW-19-Screen-3	Jul/Aug 2019	MW-19-3	0.5 U	0.3 J	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.3	3.8 J		
MW-19-Screen-3	Oct 2019	MW-19-3	0.5 U	0.2 J	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5	3.5 J		
MW-19-Screen-3	Feb 2020	MW-19-3	0.5 U	0.4 J	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	3.3 J		
MW-19-Screen-3	Jun 2020	MW-19-3	0.5 U	0.3 J	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1	3.7 J		
MW-19-Screen-3	Jun 2020	DUP-1-2Q2020	0.5 U	0.2 J	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	3.9 J		
MW-19-Screen-4														
MW-19-Screen-4	Apr/May 2019	MW-19-4	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	2.7 J		
MW-19-Screen-4	Jul/Aug 2019	MW-19-4	0.5 U	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	3.7 J		
MW-19-Screen-4	Oct 2019	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 U	0.7	3.0 J		
MW-19-Screen-4	Oct 2019	DUP-2-4Q19	0.5 U	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	2.9 J		
MW-19-Screen-4	Feb 2020	MW-19-4	0.5 U	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0	3.1 J		
MW-19-Screen-4	Jun 2020	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 U	1.7	3.6 J		
MW-19-Screen-5														
MW-19-Screen-5	Apr/May 2019	MW-19-5	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5	1.9 J	Bromodichloromethane	0.2 J
MW-19-Screen-5	Jul/Aug 2019	MW-19-5	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	2.3 J	Bromodichloromethane	0.2 J
MW-19-Screen-5	Oct 2019	MW-19-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.8	1.7 J		
MW-19-Screen-5	Feb 2020	MW-19-5	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0	1.5 J		
MW-19-Screen-5	Jun 2020	MW-19-5	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3	2.7 J		
MW-20-Screen-1														
MW-20-Screen-1	Jul/Aug 2019	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	0.2 J	4.0 U		
MW-20-Screen-2														
MW-20-Screen-2	Apr/May 2019	MW-20-2	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.9 J		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-20-Screen-2	Jul/Aug 2019	MW-20-2	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.0 J		
MW-20-Screen-2	Oct 2019	MW-20-2	0.5 U	0.6	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.9	2.2 J		
MW-20-Screen-2	Feb 2020	MW-20-2	0.5 U	0.9	0.9	0.5 U	0.5 U	0.5 U	0.5 U	1.1	1.0 J		
MW-20-Screen-2	Jun 2020	MW-20-2	0.5 U	0.4 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.8	0.9 J		
MW-20-Screen-3													
MW-20-Screen-3	Apr/May 2019	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 Styrene	2 J 0.3 J
MW-20-Screen-3	Apr/May 2019	DUP-4-2Q19	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 Styrene	1.7 J 0.3 J
MW-20-Screen-3	Jul/Aug 2019	MW-20-3	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Acrylonitrile Ethylbenzene Styrene	1.8 J 0.2 J 0.5
MW-20-Screen-3	Oct 2019	MW-20-3	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Acrylonitrile Carbon disulfide Styrene	1.9 J 0.6 J 0.3 J
MW-20-Screen-3	Feb 2020	MW-20-3	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide Styrene	0.7 J 0.3 J
MW-20-Screen-3	Jun 2020	MW-20-3	0.5 U	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide Ethylbenzene Styrene	0.6 J 0.2 J 0.4 J
MW-20-Screen-4													
MW-20-Screen-4	Apr/May 2019	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 2019	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene	0.1 J
MW-20-Screen-4	Oct 2019	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.7 J
MW-20-Screen-4	Oct 2019	DUP-1-4Q19	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.5 J
MW-20-Screen-4	Feb 2020	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	Jun 2020	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 2019	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 2019	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide Styrene	0.5 J 0.2 J
MW-20-Screen-5	Oct 2019	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide Styrene	0.6 J 0.2 J
MW-20-Screen-5	Feb 2020	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		
MW-20-Screen-5	Jun 2020	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide Styrene	0.8 J 0.2 J
MW-21-Screen-1													
MW-21-Screen-1	Apr/May 2019	MW-21-1	0.5 U	0.3 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	1.1	7.0		
MW-21-Screen-1	Jul/Aug 2019	MW-21-1	0.5 U	0.6	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.4	7.5		
MW-21-Screen-2													
MW-21-Screen-2	Apr/May 2019	MW-21-2	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1.8 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-2	Jul/Aug 2019	MW-21-2	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.9 J	Methyl-tert-butyl ether (MTBE)	0.2 J
MW-21-Screen-2	Jul/Aug 2019	DUP-6-3Q19	0.5 U	0.3 J	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	2.2 J	Methyl-tert-butyl ether (MTBE)	0.1 J
MW-21-Screen-2	Oct 2019	MW-21-2	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1.8 J		
MW-21-Screen-2	Feb 2020	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	2.0 J		
MW-21-Screen-2	Jun 2020	MW-21-2	0.5 U	0.3 J	2.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	1.9 J		
MW-21-Screen-2	Jun 2020	DUP-6-2Q2020	0.5 U	0.2 J	1.8	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	1.8 J		
MW-21-Screen-3													
MW-21-Screen-3	Apr/May 2019	MW-21-3	0.5 U	0.8	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.3 J		
MW-21-Screen-3	Jul/Aug 2019	MW-21-3	0.5 U	1.3	1.0	0.2 J	0.5 U	0.5 U	0.5 U	0.4 J	3.9 J	Methyl-tert-butyl ether (MTBE)	0.4 J
												Styrene	0.3 J
MW-21-Screen-3	Jul/Aug 2019	DUP-5-3Q19	0.5 U	1.9	1.8	0.3 J	0.5 U	0.5 U	0.5 U	0.6	3.3 J	Methyl-tert-butyl ether (MTBE)	0.2 J
MW-21-Screen-3	Oct 2019	MW-21-3	0.5 U	0.7	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.7 J		
MW-21-Screen-3	Feb 2020	MW-21-3	0.5 U	0.9	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.2 J		
MW-21-Screen-3	Feb 2020	DUP-3-1Q20	0.5 U	1.5	1.9	0.2 J	0.5 U	0.5 U	0.5 U	0.6	2.7 J		
MW-21-Screen-3	Jun 2020	MW-21-3	0.5 U	2.0	2.3	0.5 U	0.5 U	0.5 U	0.5 U	0.7	3.2 J		
MW-21-Screen-4													
MW-21-Screen-4	Apr/May 2019	MW-21-4	0.5 U	0.3 J	0.9	0.5 U	0.5 U	0.5 U	0.5 U	4.9	2.4 J		
MW-21-Screen-4	Jul/Aug 2019	MW-21-4	0.5 U	0.7	2.0	0.2 J	0.5 U	0.5 U	0.5 U	4.2	3.5 J	cis-1,2-Dichloroethene	0.4 J
MW-21-Screen-4	Oct 2019	MW-21-4	0.5 U	1.0	2.9	0.2 J	0.5 U	0.5 U	0.5 U	5.3	2.7 J	cis-1,2-Dichloroethene	0.3 J
MW-21-Screen-4	Oct 2019	DUP-5-4Q19	0.5 U	1.0	3.0	0.2 J	0.5 U	0.5 U	0.5 U	6.1	2.7 J	cis-1,2-Dichloroethene	0.5 J
MW-21-Screen-4	Feb 2020	MW-21-4	0.5 U	0.4 J	1.2	0.5 U	0.5 U	0.5 U	0.5 U	4.6	3.3 J		
MW-21-Screen-4	Jun 2020	MW-21-4	0.5 U	0.8	2.6	0.5 U	0.5 U	0.5 U	0.5 U	7.8	3.7 J		
MW-21-Screen-5													
MW-21-Screen-5	Apr/May 2019	MW-21-5	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	5.8	1.6 J		
MW-21-Screen-5	Jul/Aug 2019	MW-21-5	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	3.0	2.8 J	Acrylonitrile	7.3
												Benzene	0.1 J
												Ethylbenzene	0.3 J
												Methyl-tert-butyl ether (MTBE)	1.7
												Styrene	1.5
												Vinyl chloride	0.4 J
MW-21-Screen-5	Oct 2019	MW-21-5	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	5.4	2.1 J		
MW-21-Screen-5	Feb 2020	MW-21-5	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	4.4	2.5 J		
MW-21-Screen-5	Jun 2020	MW-21-5	0.5 U	0.3 J	1.9	0.5 U	0.5 U	0.5 U	0.5 U	9.5	2.4 J		
MW-22-Screen-1													
MW-22-Screen-1	Apr/May 2019	MW-22-1	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	65.0		
MW-22-Screen-1	Apr/May 2019	DUP-2-2Q19	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	64.0		
MW-22-Screen-1	Jul/Aug 2019	MW-22-1	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	160.0		
MW-22-Screen-1	Oct 2019	MW-22-1	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	170.0		
MW-22-Screen-1	Feb 2020	MW-22-1	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	5.8		
MW-22-Screen-1	Jun 2020	MW-22-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1	160.0		

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-22-Screen-2													
MW-22-Screen-2	Apr/May 2019	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	0.2 J	2.7 J	
MW-22-Screen-2	Jul/Aug 2019	MW-22-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.9 J	
MW-22-Screen-2	Jul/Aug 2019	MW-22-2	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	2.9 J	
MW-22-Screen-2	Oct 2019	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	0.5 U	2.6 J	
MW-22-Screen-2	Oct 2019	DUP-4-4Q19	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9 J	
MW-22-Screen-2	Feb 2020	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	0.5 U	2.3 J	
MW-22-Screen-2	Jun 2020	MW-22-2	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.8 J	
MW-22-Screen-3													
MW-22-Screen-3	Apr/May 2019	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	0.5 U	2.6 J	
MW-22-Screen-3	Jul/Aug 2019	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	0.5 U	2.5 J	
MW-22-Screen-3	Oct 2019	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	0.5 U	1.8 J	
MW-22-Screen-3	Feb 2020	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	0.5 U	2.8 J	
MW-22-Screen-3	Jun 2020	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	0.5 U	3.5 J	
MW-22-Screen-4													
MW-22-Screen-4	Apr/May 2019	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	0.5 U	1.0 J	
MW-22-Screen-4	Oct 2019	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	0.5 U	1.0 J	
MW-22-Screen-4	Jun 2020	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	0.5 U	4.0 U	
MW-22-Screen-5													
MW-22-Screen-5	Apr/May 2019	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	0.5 U	4.0 U	
MW-22-Screen-5	Oct 2019	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	0.5 U	4.0 U	
MW-22-Screen-5	Jun 2020	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	0.5 U	4.0 U	Carbon disulfide 0.7 J
MW-23-Screen-1													
MW-23-Screen-1	Apr/May 2019	MW-23-1	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1.9 J	
MW-23-Screen-1	Jul/Aug 2019	MW-23-1	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7 J	
MW-23-Screen-1	Oct 2019	MW-23-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3 J	
MW-23-Screen-1	Feb 2020	MW-23-1	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	7.2	
MW-23-Screen-1	Jun 2020	MW-23-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8 J	
MW-23-Screen-2													
MW-23-Screen-2	Apr/May 2019	MW-23-2	0.5 U	1.5	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5	0.5	3.1 J	
MW-23-Screen-2	Apr/May 2019	DUP-1-2Q19	0.5 U	2.1	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.6	0.6	3.4 J	
MW-23-Screen-2	Jul/Aug 2019	MW-23-2	0.5 U	3.0	0.5 J	0.2 J	0.5 U	0.5 U	0.5 U	0.7	0.7	4.0	
MW-23-Screen-2	Oct 2019	MW-23-2	0.5 U	1.4	0.3 J	0.2 J	0.5 U	0.5 U	0.5 U	0.5 J	0.5	3.9 J	
MW-23-Screen-2	Feb 2020	MW-23-2	0.5 U	1.2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	0.5	4.4	
MW-23-Screen-2	Jun 2020	MW-23-2	0.5 U	1.0	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.4	3.7 J	
MW-23-Screen-3													
MW-23-Screen-3	Apr/May 2019	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	0.5 U	2.6 J	
MW-23-Screen-3	Jul/Aug 2019	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	0.5 U	3.1 J	
MW-23-Screen-3	Oct 2019	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	0.5 U	2.6 J	
MW-23-Screen-3	Feb 2020	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	0.5 U	2.9 J	
MW-23-Screen-3	Jun 2020	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	0.5 U	3.5 J	

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP		
MW-23-Screen-3	Jun 2020	Dup-3-2Q2020	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.2 J			
MW-23-Screen-4														
MW-23-Screen-4	Apr/May 2019	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	0.5 U	0.9 J		
MW-23-Screen-4	Oct 2019	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	0.5 U	1.2 J		
MW-23-Screen-4	Jun 2020	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	0.5 U	1.8 J		
MW-23-Screen-5														
MW-23-Screen-5	Apr/May 2019	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	0.5 U	4.0 U	Styrene	0.3 J
MW-23-Screen-5	Oct 2019	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	0.5 U	4.0 U	Styrene	0.3 J
MW-23-Screen-5	Jun 2020	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	0.5 U	4.0 U	Styrene	0.3 J
MW-24-Screen-1														
MW-24-Screen-1	Apr/May 2019	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8	9.3		
MW-24-Screen-1	Jul/Aug 2019	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3	17.0		
MW-24-Screen-1	Oct 2019	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.4	2.1 J		
MW-24-Screen-1	Feb 2020	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.8	2.2 J		
MW-24-Screen-1	Jun 2020	MW-24-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.1	5.6		
MW-24-Screen-2														
MW-24-Screen-2	Apr/May 2019	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	0.4 J	3.0 J	Bromodichloromethane	0.3 J
MW-24-Screen-2	Jul/Aug 2019	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	0.5 J	4.5	Bromodichloromethane	0.3 J
MW-24-Screen-2	Oct 2019	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	0.5 J	5.6	Bromodichloromethane	0.2 J
MW-24-Screen-2	Feb 2020	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	0.4 J	4.3	Bromodichloromethane	0.2 J
MW-24-Screen-2	Feb 2020	DUP-5-1Q20	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.8		
MW-24-Screen-2	Jun 2020	MW-24-2	0.5 U	0.5 U	0.3 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.9	Bromodichloromethane	0.4 J
MW-24-Screen-3														
MW-24-Screen-3	Apr/May 2019	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	0.5 U	4.0 U		
MW-24-Screen-3	Jul/Aug 2019	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	0.5 U	4.0 U		
MW-24-Screen-3	Oct 2019	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	0.5 U	4.0 U		
MW-24-Screen-3	Feb 2020	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	0.5 U	4.0 U		
MW-24-Screen-3	Jun 2020	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	0.5 U	4.0 U		
MW-24-Screen-4														
MW-24-Screen-4	Apr/May 2019	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	0.5 U	4.0 U	Styrene	0.2 J
MW-24-Screen-4	Oct 2019	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	0.5 U	1.3 J	Carbon disulfide Styrene	0.6 J 0.2 J
MW-24-Screen-4	Jun 2020	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	0.5 U	4.0 U	Carbon disulfide Styrene	0.5 J 0.2 J
MW-24-Screen-5														
MW-24-Screen-5	Apr/May 2019	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	0.5 U	4.0 U		
MW-24-Screen-5	Oct 2019	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	0.5 U	4.0 U		
MW-24-Screen-5	Jun 2020	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	0.5 U	4.0 U		
MW-25-Screen-1														
MW-25-Screen-1	Apr/May 2019	MW-25-1	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	7.1	Methyl-tert-butyl ether (MTBE)	0.4 J
MW-25-Screen-1	Jul/Aug 2019	MW-25-1	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	6.7	Methyl-tert-butyl ether (MTBE)	0.5

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP	
MW-25-Screen-1	Oct 2019	MW-25-1	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	7.1	Methyl-tert-butyl ether (MTBE)	0.4 J
MW-25-Screen-1	Feb 2020	MW-25-1	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	6.5	Methyl-tert-butyl ether (MTBE)	0.5 J
MW-25-Screen-1	Jun 2020	MW-25-1	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	6.5	Methyl-tert-butyl ether (MTBE)	0.5 J
MW-25-Screen-2													
MW-25-Screen-2	Apr/May 2019	MW-25-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	14.0		
MW-25-Screen-2	Jul/Aug 2019	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	Oct 2019	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	Feb 2020	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	11.0		
MW-25-Screen-2	Jun 2020	MW-25-2	0.5 U	0.5	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	12.0		
MW-25-Screen-3													
MW-25-Screen-3	Apr/May 2019	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	8.6		
MW-25-Screen-3	Jul/Aug 2019	MW-25-3	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	10.0		
MW-25-Screen-3	Oct 2019	MW-25-3	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	9.2		
MW-25-Screen-3	Oct 2019	DUP-3-4Q19	0.5 U	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.8	9.3		
MW-25-Screen-3	Feb 2020	MW-25-3	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	8.6		
MW-25-Screen-3	Jun 2020	MW-25-3	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	9.3		
MW-25-Screen-4													
MW-25-Screen-4	Apr/May 2019	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	8.8		
MW-25-Screen-4	Jul/Aug 2019	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	6.2		
MW-25-Screen-4	Jul/Aug 2019	DUP-1-3Q19	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.4		
MW-25-Screen-4	Oct 2019	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	7.8		
MW-25-Screen-4	Feb 2020	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	7.8		
MW-25-Screen-4	Jun 2020	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-5													
MW-25-Screen-5	Apr/May 2019	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 2019	MW-25-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		
MW-25-Screen-5	Oct 2019	MW-25-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.7 J
MW-25-Screen-5	Feb 2020	MW-25-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.8 J
MW-25-Screen-5	Feb 2020	DUP-1-1Q20	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Carbon disulfide	0.7 J
MW-25-Screen-5	Jun 2020	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 2019	MW-26-1	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.6	1.8 J		
MW-26-Screen-1	Jul/Aug 2019	MW-26-1	0.5 U	0.3 J	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.7	3.1 J		
MW-26-Screen-1	Oct 2019	MW-26-1	0.5 U	0.5 J	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.8	1.8 J		
MW-26-Screen-1	Feb 2020	MW-26-1	0.5 U	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	1.9 J		
MW-26-Screen-1	Jun 2020	MW-26-1	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.1 J		
MW-26-Screen-2													
MW-26-Screen-2	Apr/May 2019	MW-26-2	0.5 U	0.2 J	1.8	0.5 U	0.5 U	0.5 U	0.5 U	1.9	2.0 J		
MW-26-Screen-2	Jul/Aug 2019	MW-26-2	0.5 U	0.3 J	2.2	0.5 U	0.5 U	0.5 U	0.5 U	2.1	2.9 J	cis-1,2-Dichloroethene	0.3 J
MW-26-Screen-2	Oct 2019	MW-26-2	0.5 U	0.2 J	2.0	0.5 U	0.5 U	0.5 U	0.5 U	1.8	3.0 J		
MW-26-Screen-2	Feb 2020	MW-26-2	0.5 U	0.3 J	2.8	0.5 U	0.5 U	0.5 U	0.5 U	2.1	2.6 J		

Sample Location	Sampling Event	Sample Number	Carbon tetrachloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds and 1,4-Dioxane, NDMA, NDPA, 1,2,3-TCP
MW-26-Screen-2	Jun 2020	MW-26-2	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	1.5	3.5 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 2019	MW-1	2.0 U	1.0 U	3.0 U	0.2 U
MW-1	Apr/May 2019	DUP-8-2Q19	0.9 J	1.0 U	3.0 U	0.2 U
MW-1	Oct 2019	MW-1	NA	NA	3.0 U	0.2 U
MW-1	Jun 2020	MW-1	2.0 U	1.0 U	3.0 U	0.4 U
MW-1	Jun 2020	Dup-8-2Q2020	2.0 U	1.0 U	3.0 U	0.2 U
MW-3-Screen-1						
MW-3-Screen-1	Apr/May 2019	MW-3-1	2.0 U	1.0 U	3.0 U	0.2
MW-3-Screen-1	Oct 2019	MW-3-1	NA	NA	3.0 U	0.2 U
MW-3-Screen-1	Jun 2020	MW-3-1	2.0 U	1.0 U	3.0 U	0.1 J
MW-3-Screen-2						
MW-3-Screen-2	Apr/May 2019	MW-3-2	2.0 U	1.0 U	3.0 U	0.2 U
MW-3-Screen-2	Jul/Aug 2019	MW-3-2	NA	NA	3.0 U	0.2 U
MW-3-Screen-2	Oct 2019	MW-3-2	NA	NA	3.0 U	0.2 U
MW-3-Screen-2	Feb 2020	MW-3-2	NA	NA	3.0 U	0.2 U
MW-3-Screen-2	Jun 2020	MW-3-2	0.8 J	1.0 U	3.0 U	0.4
MW-3-Screen-3						
MW-3-Screen-3	Apr/May 2019	MW-3-3	3.0	1.0 U	1.6 J	2.0
MW-3-Screen-3	Jul/Aug 2019	MW-3-3	NA	NA	1.2 J	1.4
MW-3-Screen-3	Jul/Aug 2019	DUP-2-3Q19	NA	NA	1.2 J	1.4
MW-3-Screen-3	Oct 2019	MW-3-3	NA	NA	2.1 J	1.0
MW-3-Screen-3	Feb 2020	MW-3-3	NA	NA	1.8 J	1.6
MW-3-Screen-3	Jun 2020	MW-3-3	2.4	1.0 U	4.6	0.4
MW-3-Screen-4						
MW-3-Screen-4	Apr/May 2019	MW-3-4	14.0	1.0 U	24.0	0.3
MW-3-Screen-4	Jul/Aug 2019	MW-3-4	NA	NA	47.0 J	0.1 J
MW-3-Screen-4	Oct 2019	MW-3-4	NA	NA	95.0	0.2 J
MW-3-Screen-4	Feb 2020	MW-3-4	NA	NA	64.0	0.3
MW-3-Screen-4	Feb 2020	DUP-2-1Q20	NA	NA	57.0	0.2
MW-3-Screen-4	Jun 2020	MW-3-4	26.0	1.0 U	44.0	0.3
MW-3-Screen-5						
MW-3-Screen-5	Apr/May 2019	MW-3-5	1.6 J	1.0 U	1.8 J	0.1 J
MW-3-Screen-5	Oct 2019	MW-3-5	NA	NA	3.6	0.1 J
MW-3-Screen-5	Jun 2020	MW-3-5	77.0	1.0 U	140.0	0.3
MW-4-Screen-1						
MW-4-Screen-1	Apr/May 2019	MW-4-1	2.0 U	1.0 U	3.0 U	0.1 J
MW-4-Screen-1	Jul/Aug 2019	MW-4-1	NA	NA	3.0 U	0.1 J
MW-4-Screen-1	Oct 2019	MW-4-1	NA	NA	3.0 U	0.1 J
MW-4-Screen-1	Feb 2020	MW-4-1	NA	NA	3.0 U	0.1 J
MW-4-Screen-1	Jun 2020	MW-4-1	0.9 J	1.0 U	3.0 U	0.1 J
MW-4-Screen-2						
MW-4-Screen-2	Apr/May 2019	MW-4-2	2.0 U	1.0 U	3.0 U	0.3
MW-4-Screen-2	Jul/Aug 2019	MW-4-2	NA	NA	3.0 U	1.1
MW-4-Screen-2	Oct 2019	MW-4-2	NA	NA	1.4 J	0.7
MW-4-Screen-2	Feb 2020	MW-4-2	NA	NA	0.9 J	0.9
MW-4-Screen-2	Jun 2020	MW-4-2	2.0 U	1.0 U	0.9 J	0.2 U
MW-4-Screen-3						
MW-4-Screen-3	Apr/May 2019	MW-4-3	2.0 U	1.0 U	100.0	0.2 U
MW-4-Screen-3	Jul/Aug 2019	MW-4-3	NA	NA	53.0	0.2 U
MW-4-Screen-3	Oct 2019	MW-4-3	NA	NA	3.8	0.2 U
MW-4-Screen-3	Feb 2020	MW-4-3	NA	NA	1.5 J	0.1 J

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-4-Screen-3	Feb 2020	DUP-7-1Q20	NA	NA	2.1 J	0.1 J
MW-4-Screen-3	Jun 2020	MW-4-3	2.0 U	1.0 U	1.0 J	0.03 J
MW-4-Screen-4						
MW-4-Screen-4	Apr/May 2019	MW-4-4	2.0 U	1.0 U	3.0 U	0.2 U
MW-4-Screen-4	Oct 2019	MW-4-4	NA	NA	3.0 U	0.2 U
MW-4-Screen-4	Jun 2020	MW-4-4	2.0 U	1.0 U	0.6 J	0.2 U
MW-4-Screen-5						
MW-4-Screen-5	Apr/May 2019	MW-4-5	2.0 U	1.0 U	3.0 U	0.2 U
MW-4-Screen-5	Oct 2019	MW-4-5	NA	NA	9.5	0.2 U
MW-4-Screen-5	Jun 2020	MW-4-5	1.1 J	1.0 U	2.4 J	0.2 U
MW-5						
MW-5	Apr/May 2019	MW-5	2.0 U	1.0 U	3.0 U	0.2 J
MW-5	Jul/Aug 2019	MW-5	NA	NA	0.8 J	0.2 J
MW-5	Oct 2019	MW-5	NA	NA	0.7 J	0.2 U
MW-5	Oct 2019	DUP-6-4Q19	NA	NA	0.7 J	0.2 U
MW-5	Feb 2020	MW-5	NA	NA	2.5 J	0.1 J
MW-5	Jun 2020	MW-5	1.0 J	1.0 U	3.0 U	0.2 U
MW-6						
MW-6	Apr/May 2019	MW-6	2.0 U	1.0 U	48.0	1.6
MW-6	Jul/Aug 2019	MW-6	NA	NA	9.9	1.5
MW-6	Oct 2019	MW-6	NA	NA	39.0	2.1
MW-6	Feb 2020	MW-6	NA	NA	8.1	1.7
MW-7						
MW-7	Apr/May 2019	MW-7	2.0 U	1.0 U	7.0	2.3
MW-7	Jul/Aug 2019	MW-7	NA	NA	25.0	1.6
MW-7	Oct 2019	MW-7	NA	NA	20.0 J	1.0
MW-7	Feb 2020	MW-7	NA	NA	17.0	1.0
MW-7	Jun 2020	MW-7	2.0 U	1.0 U	37.0	1.2
MW-8						
MW-8	Feb/Mar 2019	DUP-7-1Q19	NA	NA	16.0	0.8 J
MW-8	Apr/May 2019	MW-8	2.0 U	1.0 U	1.0 J	0.3
MW-8	Apr/May 2019	DUP-6-2Q19	2.0 U	1.0 U	0.7 J	0.3
MW-8	Jul/Aug 2019	MW-8	NA	NA	3.4	0.2 J
MW-8	Oct 2019	MW-8	NA	NA	2.1 J	0.6
MW-8	Oct 2019	DUP-8-4Q19	NA	NA	4.0 J	0.6
MW-8	Feb 2020	MW-8	NA	NA	2.4 J	0.5
MW-8	Jun 2020	MW-8	2.0 U	1.0 U	6.0	0.3
MW-9						
MW-9	Apr/May 2019	MW-9	2.0 U	0.2 J	6.3	0.6
MW-9	Oct 2019	MW-9	NA	NA	80.0 J	0.4
MW-9	Jun 2020	MW-9	2.0 U	1.0 U	3.0 U	0.5
MW-10						
MW-10	Apr/May 2019	MW-10	2.0 U	1.0 U	4.0	1.2
MW-10	Jul/Aug 2019	MW-10	NA	NA	7.8	1.0
MW-10	Oct 2019	MW-10	NA	NA	4.1	1.1
MW-10	Feb 2020	MW-10	NA	NA	12.0	0.9
MW-10	Jun 2020	MW-10	1.0 J	1.0 U	7.4	0.8
MW-11-Screen-1						
MW-11-Screen-1	Apr/May 2019	MW-11-1	2.0 U	1.0 U	3.0 U	0.1 J
MW-11-Screen-1	Jul/Aug 2019	MW-11-1	NA	NA	3.0 U	0.1 J
MW-11-Screen-1	Oct 2019	MW-11-1	NA	NA	4.5	0.2 U
MW-11-Screen-1	Feb 2020	MW-11-1	NA	NA	3.0 U	0.1 J
MW-11-Screen-1	Jun 2020	MW-11-1	2.0 U	1.0 U	3.0 U	0.1 J
MW-11-Screen-2						
MW-11-Screen-2	Apr/May 2019	MW-11-2	2.0 U	1.0 U	3.0 U	0.2 U
MW-11-Screen-2	Jul/Aug 2019	MW-11-2	NA	NA	3.0 U	0.2 U

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-11-Screen-2	Oct 2019	MW-11-2	NA	NA	3.0 U	0.2 U
MW-11-Screen-2	Feb 2020	MW-11-2	NA	NA	1.4 J	0.2 U
MW-11-Screen-2	Feb 2020	DUP-4-1Q20	NA	NA	3.0 U	0.2 U
MW-11-Screen-2	Jun 2020	MW-11-2	1.0 J	1.0 U	3.0 U	0.05 J
MW-11-Screen-3						
MW-11-Screen-3	Apr/May 2019	MW-11-3	1.8 J	1.0 U	4.8	0.2 U
MW-11-Screen-3	Apr/May 2019	DUP-5-2Q19	1.6 J	1.0 U	3.6	0.2 U
MW-11-Screen-3	Jul/Aug 2019	MW-11-3	NA	NA	4.0	0.2 U
MW-11-Screen-3	Oct 2019	MW-11-3	NA	NA	1.3 J	0.2 U
MW-11-Screen-3	Mar-20	MW-11-3	NA	NA	3.0 U	0.2 U
MW-11-Screen-3	Jun 2020	MW-11-3	1.7 J	0.2 J	6.7	0.1 J
MW-11-Screen-3	Jun 2020	Dup-5-2Q2020	1.6 J	1.0 U	3.0 U	0.04 J
MW-11-Screen-4						
MW-11-Screen-4	Apr/May 2019	MW-11-4	2.0 U	1.0 U	3.0 U	0.1 J
MW-11-Screen-4	Oct 2019	MW-11-4	NA	NA	3.0 U	0.2 U
MW-11-Screen-4	Jun 2020	MW-11-4	2.0 U	1.0 U	3.0 U	0.1 J
MW-11-Screen-5						
MW-11-Screen-5	Apr/May 2019	MW-11-5	6.4	0.3 J	1.6 J	0.3
MW-11-Screen-5	Oct 2019	MW-11-5	NA	NA	1.2 J	0.2 U
MW-11-Screen-5	Jun 2020	MW-11-5	5.6	1.6	7.4	0.1 J
MW-12-Screen-1						
MW-12-Screen-1	Apr/May 2019	MW-12-1	2.0 U	1.0 U	1.7 J	1.0
MW-12-Screen-1	Jul/Aug 2019	MW-12-1	NA	NA	3.0 U	0.5
MW-12-Screen-1	Feb 2020	MW-12-1	NA	NA	3.0 U	0.3
MW-12-Screen-1	Jun 2020	MW-12-1	2.0 U	1.0 U	3.0 U	0.8
MW-12-Screen-2						
MW-12-Screen-2	Apr/May 2019	MW-12-2	0.9 J	1.0 U	0.7 J	0.2 U
MW-12-Screen-2	Jul/Aug 2019	MW-12-2	NA	NA	3.0 U	0.2 U
MW-12-Screen-2	Oct 2019	MW-12-2	NA	NA	0.5 J	0.1 J
MW-12-Screen-2	Feb 2020	MW-12-2	NA	NA	0.8 J	0.2 U
MW-12-Screen-2	Feb 2020	DUP-6-1Q20	NA	NA	0.6 J	0.2 U
MW-12-Screen-2	Jun 2020	MW-12-2	2.0 U	1.0 U	3.0 U	0.2 U
MW-12-Screen-3						
MW-12-Screen-3	Apr/May 2019	MW-12-3	1.1 J	1.0 U	1.0 J	0.5
MW-12-Screen-3	Jul/Aug 2019	MW-12-3	NA	NA	3.0 U	0.3
MW-12-Screen-3	Oct 2019	MW-12-3	NA	NA	3.0 U	0.2
MW-12-Screen-3	Feb 2020	MW-12-3	NA	NA	3.0 U	0.3
MW-12-Screen-3	Jun 2020	MW-12-3	2.0 U	1.0 U	3.0 U	0.5
MW-12-Screen-3	Jun 2020	Dup-4-2Q2020	2.0 U	1.0 U	3.0 U	0.5
MW-12-Screen-4						
MW-12-Screen-4	Apr/May 2019	MW-12-4	1.7 J	1.0 U	3.0 U	0.6
MW-12-Screen-4	Apr/May 2019	DUP-6-2Q19	1.5 J	1.0 U	0.7 J	0.6
MW-12-Screen-4	Oct 2019	MW-12-4	NA	NA	3.0 U	0.6
MW-12-Screen-4	Jun 2020	MW-12-4	1.8 J	1.0 U	0.6 J	0.6
MW-12-Screen-5						
MW-12-Screen-5	Apr/May 2019	MW-12-5	1.8 J	1.0 U	1.0 J	0.9
MW-12-Screen-5	Oct 2019	MW-12-5	NA	NA	0.6 J	1.0
MW-12-Screen-5	Jun 2020	MW-12-5	2.2	0.1 J	2.4 J	1.2
MW-13						
MW-13	Apr/May 2019	MW-13	2.0 U	1.0 U	5.7	3.7
MW-13	Jul/Aug 2019	MW-13	NA	NA	8.5	3.1
MW-13	Jun 2020	MW-13	2.0 U	1.0 U	8.3	2.6
MW-14-Screen-1						
MW-14-Screen-1	Apr/May 2019	MW-14-1	2.0 U	1.0 U	1.2 J	2.0
MW-14-Screen-1	Jul/Aug 2019	MW-14-1	NA	NA	1.2 J	0.2 U
MW-14-Screen-2						

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-14-Screen-2	Apr/May 2019	MW-14-2	2.0 U	1.0 U	3.0 U	0.2 J
MW-14-Screen-2	Jul/Aug 2019	MW-14-2	NA	NA	1.0 J	0.6
MW-14-Screen-2	Oct 2019	MW-14-2	NA	NA	3.0 U	0.4
MW-14-Screen-2	Feb 2020	MW-14-2	NA	NA	3.0 U	0.2
MW-14-Screen-2	Jun 2020	MW-14-2	2.0 U	1.0 U	1.3 J	0.1 J
MW-14-Screen-3						
MW-14-Screen-3	Apr/May 2019	MW-14-3	2.0 U	1.0 U	3.0 U	0.4
MW-14-Screen-3	Jul/Aug 2019	MW-14-3	NA	NA	3.0 U	0.4
MW-14-Screen-3	Oct 2019	MW-14-3	NA	NA	3.0 U	0.1 J
MW-14-Screen-3	Feb 2020	MW-14-3	NA	NA	3.0 U	0.4
MW-14-Screen-3	Jun 2020	MW-14-3	2.0 U	1.0 U	0.6 J	0.2 U
MW-14-Screen-4						
MW-14-Screen-4	Apr/May 2019	MW-14-4	2.0 U	1.0 U	3.0 U	0.7
MW-14-Screen-4	Oct 2019	MW-14-4	NA	NA	1.9 J	2.1
MW-14-Screen-4	Jun 2020	MW-14-4	0.9 J	1.0 U	3.3	0.6
MW-14-Screen-5						
MW-14-Screen-5	Apr/May 2019	MW-14-5	2.0 U	1.0 U	3.0 U	0.2 U
MW-14-Screen-5	Oct 2019	MW-14-5	NA	NA	3.0 U	0.1 J
MW-14-Screen-5	Jun 2020	MW-14-5	2.0 U	1.0 U	3.9	0.04 J
MW-15						
MW-15	Apr/May 2019	MW-15	2.0 U	1.0 U	2.4 J	0.6
MW-15	Jul/Aug 2019	MW-15	NA	NA	2.6 J	0.5
MW-15	Jul/Aug 2019	DUP-7-3Q19	NA	NA	1.9 J	0.5
MW-15	Oct 2019	MW-15	NA	NA	1.7 J	0.5
MW-15	Feb 2020	MW-15	NA	NA	3.0 U	0.6
MW-15	Jun 2020	MW-15	0.9 J	1.0 U	3.0 U	0.6
MW-15	Jun 2020	Dup-7-2Q2020	0.9 J	1.0 U	3.0 U	0.6
MW-16						
MW-16	Apr/May 2019	MW-16	5.1	1.0 U	1.6 J	1.1
MW-16	Jul/Aug 2019	MW-16	NA	NA	40.0	1.1
MW-16	Oct 2019	MW-16	NA	NA	16000.0	0.7
MW-17-Screen-1						
MW-17-Screen-1	Apr/May 2019	MW-17-1	2.0 U	1.0 U	3.0 U	0.1 J
MW-17-Screen-1	Oct 2019	MW-17-1	NA	NA	3.0 U	0.1 J
MW-17-Screen-1	Jun 2020	MW-17-1	2.0 U	1.0 U	3.0 U	0.2 U
MW-17-Screen-2						
MW-17-Screen-2	Apr/May 2019	MW-17-2	2.0 U	1.0 U	3.0 U	0.2 U
MW-17-Screen-2	Jul/Aug 2019	MW-17-2	NA	NA	3.0 U	0.1 J
MW-17-Screen-2	Oct 2019	MW-17-2	NA	NA	3.0 U	0.2 U
MW-17-Screen-2	Feb 2020	MW-17-2	NA	NA	3.0 U	0.2 U
MW-17-Screen-2	Jun 2020	MW-17-2	2.0 U	1.0 U	3.0 U	0.2 U
MW-17-Screen-2	Jun 2020	Dup-2-2Q2020	2.0 U	1.0 U	3.0 U	0.2 U
MW-17-Screen-3						
MW-17-Screen-3	Apr/May 2019	MW-17-3	2.0 U	1.0 U	3.0 U	0.2 J
MW-17-Screen-3	Jul/Aug 2019	MW-17-3	NA	NA	3.0 U	0.2 U
MW-17-Screen-3	Oct 2019	MW-17-3	NA	NA	3.0 U	0.2 U
MW-17-Screen-3	Feb 2020	MW-17-3	NA	NA	3.0 U	0.1 J
MW-17-Screen-3	Jun 2020	MW-17-3	2.0 U	0.1 J	3.0 U	0.2 U
MW-17-Screen-4						
MW-17-Screen-4	Apr/May 2019	MW-17-4	2.0 U	1.0 U	1.2 J	1.0
MW-17-Screen-4	Jul/Aug 2019	MW-17-4	NA	NA	0.8 J	1.4
MW-17-Screen-4	Oct 2019	MW-17-4	NA	NA	1.5 J	1.4
MW-17-Screen-4	Feb 2020	MW-17-4	NA	NA	0.9 J	1.2
MW-17-Screen-4	Jun 2020	MW-17-4	2.0 U	1.0 U	3.0 U	0.6
MW-17-Screen-5						
MW-17-Screen-5	Apr/May 2019	MW-17-5	2.0 U	0.7 J	1.4 J	0.5

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-17-Screen-5	Oct 2019	MW-17-5	NA	NA	1.6 J	1.2
MW-17-Screen-5	Jun 2020	MW-17-5	2.0 U	1.0	5.2	1.3
MW-18-Screen-1						
MW-18-Screen-1	Apr/May 2019	MW-18-1	2.0 U	1.0 U	0.5 J	0.1 J
MW-18-Screen-1	Apr/May 2019	MW-18-1	2.0 U	1.0 U	0.5 J	0.1 J
MW-18-Screen-1	Jun 2020	MW-18-1	2.0 U	1.0 U	3.0 U	0.2
MW-18-Screen-2						
MW-18-Screen-2	Apr/May 2019	MW-18-2	0.9 J	1.0 U	3.0 U	0.1 J
MW-18-Screen-2	Jul/Aug 2019	MW-18-2	NA	NA	3.0 U	0.05 J
MW-18-Screen-2	Jul/Aug 2019	DUP-3-3Q19	NA	NA	3.0 U	0.04 J
MW-18-Screen-2	Oct 2019	MW-18-2	NA	NA	3.0 U	0.2 U
MW-18-Screen-2	Oct 2019	DUP-7-4Q19	NA	NA	3.0 U	0.2 U
MW-18-Screen-2	Feb 2020	MW-18-2	NA	NA	3.0 U	0.1 J
MW-18-Screen-2	Jun 2020	MW-18-2	2.0 U	1.0 U	3.0 U	0.1 J
MW-18-Screen-3						
MW-18-Screen-3	Apr/May 2019	MW-18-3	1.4 J	1.0 U	2.2 J	1.8
MW-18-Screen-3	Apr/May 2019	DUP-3-2Q19	1.1 J	1.0 U	2.1 J	1.8
MW-18-Screen-3	Jul/Aug 2019	MW-18-3	NA	NA	1.6 J	1.5
MW-18-Screen-3	Oct 2019	MW-18-3	NA	NA	1.5 J	1.7
MW-18-Screen-3	Feb 2020	MW-18-3	NA	NA	1.5 J	1.4
MW-18-Screen-3	Jun 2020	MW-18-3	2.0 U	1.0 U	1.2 J	1.6
MW-18-Screen-4						
MW-18-Screen-4	Apr/May 2019	MW-18-4	1.1 J	1.0 U	2.0 J	0.9
MW-18-Screen-4	Jul/Aug 2019	MW-18-4	NA	NA	3.2	2.1
MW-18-Screen-4	Oct 2019	MW-18-4	NA	NA	2.3 J	1.9
MW-18-Screen-4	Feb 2020	MW-18-4	NA	NA	2.5 J	2.2
MW-18-Screen-4	Jun 2020	MW-18-4	2.0 U	1.0 U	2.4 J	2.8
MW-18-Screen-5						
MW-18-Screen-5	Apr/May 2019	MW-18-5	1.8 J	1.0 U	3.0 U	0.1 J
MW-18-Screen-5	Oct 2019	MW-18-5	NA	NA	3.0 U	0.2 U
MW-18-Screen-5	Jun 2020	MW-18-5	2.0 U	1.0 U	3.0 U	0.2 U
MW-19-Screen-1						
MW-19-Screen-1	Apr/May 2019	MW-19-1	2.0 U	1.0 U	3.0 U	0.2 U
MW-19-Screen-1	Oct 2019	MW-19-1	NA	NA	3.0 U	0.2 U
MW-19-Screen-1	Jun 2020	MW-19-1	2.0 U	1.0 U	3.0 U	0.2 U
MW-19-Screen-2						
MW-19-Screen-2	Apr/May 2019	MW-19-2	2.0 U	1.0 U	2.0 J	0.3
MW-19-Screen-2	Oct 2019	MW-19-2	NA	NA	1.5 J	0.9
MW-19-Screen-2	Jun 2020	MW-19-2	2.0 U	1.0 U	1.3 J	1.6
MW-19-Screen-3						
MW-19-Screen-3	Apr/May 2019	MW-19-3	2.0 U	1.0 U	2.8 J	1.5
MW-19-Screen-3	Oct 2019	MW-19-3	NA	NA	2.0 J	1.9
MW-19-Screen-3	Jun 2020	MW-19-3	2.0 U	1.0 U	1.9 J	0.9
MW-19-Screen-3	Jun 2020	DUP-1-2Q2020	2.0 U	1.0 U	2.0 J	1.9
MW-19-Screen-4						
MW-19-Screen-4	Apr/May 2019	MW-19-4	1.4 J	1.0 U	1.5 J	1.6
MW-19-Screen-4	Oct 2019	MW-19-4	NA	NA	2.2 J	2.6
MW-19-Screen-4	Oct 2019	DUP-2-4Q19	NA	NA	2.4 J	2.6
MW-19-Screen-4	Jun 2020	MW-19-4	1.4 J	1.0 U	2.2 J	2.6
MW-19-Screen-5						
MW-19-Screen-5	Apr/May 2019	MW-19-5	1.9 J	1.0 U	2.2 J	1.7
MW-19-Screen-5	Oct 2019	MW-19-5	NA	NA	2.2 J	1.9
MW-19-Screen-5	Jun 2020	MW-19-5	1.5 J	1.0 U	2.0 J	2.2
MW-20-Screen-1						
MW-20-Screen-1	Jul/Aug 2019	MW-20-1	NA	NA	0.6 J	0.2 J
MW-20-Screen-2						

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-20-Screen-2	Apr/May 2019	MW-20-2	2.0 U	1.0 U	3.0 U	0.2 U
MW-20-Screen-2	Jul/Aug 2019	MW-20-2	NA	NA	0.6 J	0.2 U
MW-20-Screen-2	Oct 2019	MW-20-2	NA	NA	3.0 U	0.2 U
MW-20-Screen-2	Feb 2020	MW-20-2	NA	NA	3.0 U	0.2 U
MW-20-Screen-2	Jun 2020	MW-20-2	2.0 U	1.0 U	3.0 U	0.1 J
MW-20-Screen-3						
MW-20-Screen-3	Apr/May 2019	MW-20-3	2.0 U	1.0 U	3.0 U	0.2 U
MW-20-Screen-3	Apr/May 2019	DUP-4-2Q19	0.7 J	1.0 U	3.0 U	0.2 U
MW-20-Screen-3	Jul/Aug 2019	MW-20-3	NA	NA	3.0 U	0.2 U
MW-20-Screen-3	Oct 2019	MW-20-3	NA	NA	3.0 U	0.2 U
MW-20-Screen-3	Feb 2020	MW-20-3	NA	NA	0.6 J	0.2 U
MW-20-Screen-3	Jun 2020	MW-20-3	1.5 J	1.0 U	3.0 U	0.1 J
MW-20-Screen-4						
MW-20-Screen-4	Apr/May 2019	MW-20-4	1.3 J	1.0 U	3.0 U	0.2 U
MW-20-Screen-4	Jul/Aug 2019	MW-20-4	NA	NA	3.0 U	0.1 J
MW-20-Screen-4	Oct 2019	MW-20-4	NA	NA	3.0 U	0.1 J
MW-20-Screen-4	Oct 2019	Dup-1-4Q19	NA	NA	0.6 J	0.1 J
MW-20-Screen-4	Feb 2020	MW-20-4	NA	NA	3.0 U	0.1 J
MW-20-Screen-4	Jun 2020	MW-20-4	0.8 J	1.0 U	3.0 U	0.1 J
MW-20-Screen-5						
MW-20-Screen-5	Apr/May 2019	MW-20-5	1.7 J	1.0 U	3.0 U	0.1 J
MW-20-Screen-5	Jul/Aug 2019	MW-20-5	NA	NA	3.0 U	0.1 J
MW-20-Screen-5	Oct 2019	MW-20-5	NA	NA	3.0 U	0.1 J
MW-20-Screen-5	Feb 2020	MW-20-5	NA	NA	3.0 U	0.1 J
MW-20-Screen-5	Jun 2020	MW-20-5	1.0 J	1.0 U	3.0 U	0.1 J
MW-21-Screen-1						
MW-21-Screen-1	Apr/May 2019	MW-21-1	2.0 U	1.0 U	2.2 J	0.7
MW-21-Screen-1	Jul/Aug 2019	MW-21-1	NA	NA	2.3 J	1.3
MW-21-Screen-2						
MW-21-Screen-2	Apr/May 2019	MW-21-2	2.0 U	1.0 U	0.9 J	0.2 J
MW-21-Screen-2	Jul/Aug 2019	MW-21-2	NA	NA	1.4 J	0.1 J
MW-21-Screen-2	Jul/Aug 2019	DUP-6-3Q19	NA	NA	1.0 J	0.2
MW-21-Screen-2	Oct 2019	MW-21-2	NA	NA	3.0 U	0.2 U
MW-21-Screen-2	Feb 2020	MW-21-2	NA	NA	3.0 U	0.1 J
MW-21-Screen-2	Jun 2020	MW-21-2	2.0 U	1.0 U	7.0	0.2 U
MW-21-Screen-2	Jun 2020	DUP-6-2Q2020	2.0 U	1.0 U	0.9 J	0.4
MW-21-Screen-3						
MW-21-Screen-3	Apr/May 2019	MW-21-3	1.1 J	1.0 U	0.7 J	0.2
MW-21-Screen-3	Jul/Aug 2019	MW-21-3	NA	NA	1.6 J	0.1 J
MW-21-Screen-3	Jul/Aug 2019	DUP-5-3Q19	NA	NA	1.2 J	0.1 J
MW-21-Screen-3	Oct 2019	MW-21-3	NA	NA	3.0 U	0.2 U
MW-21-Screen-3	Feb 2020	MW-21-3	NA	NA	3.0 U	0.4
MW-21-Screen-3	Feb 2020	DUP-3-1Q20	NA	NA	3.0 U	0.6
MW-21-Screen-3	Jun 2020	MW-21-3	2.0 U	0.1 J	7.6	0.2 U
MW-21-Screen-4						
MW-21-Screen-4	Apr/May 2019	MW-21-4	1.4 J	1.0 U	3.0 U	1.2
MW-21-Screen-4	Jul/Aug 2019	MW-21-4	NA	NA	11.0 J	1.3
MW-21-Screen-4	Oct 2019	MW-21-4	NA	NA	1.2 J	1.2
MW-21-Screen-4	Oct 2019	DUP-5-4Q19	NA	NA	1.2 J	1.2
MW-21-Screen-4	Feb 2020	MW-21-4	NA	NA	3.0 U	1.2
MW-21-Screen-4	Jun 2020	MW-21-4	2.0 U	1.0 U	1.4 J	1.2
MW-21-Screen-5						
MW-21-Screen-5	Apr/May 2019	MW-21-5	1.2 J	1.0 U	1.2 J	0.9
MW-21-Screen-5	Jul/Aug 2019	MW-21-5	NA	NA	1.8 J	0.2 U
MW-21-Screen-5	Oct 2019	MW-21-5	NA	NA	1.0 J	1.1
MW-21-Screen-5	Feb 2020	MW-21-5	NA	NA	1.1 J	1.4

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-21-Screen-5	Jun 2020	MW-21-5	2.0 U	0.2 J	4.8	1.2
MW-22-Screen-1						
MW-22-Screen-1	Apr/May 2019	MW-22-1	2.0 U	1.0 U	3.0 U	0.8
MW-22-Screen-1	Apr/May 2019	DUP-2-2Q19	2.0 U	1.0 U	0.5 J	0.7
MW-22-Screen-1	Jul/Aug 2019	MW-22-1	NA	NA	3.0 U	0.6
MW-22-Screen-1	Oct 2019	MW-22-1	NA	NA	3.0 U	0.6
MW-22-Screen-1	Feb 2020	MW-22-1	NA	NA	3.0 U	0.4
MW-22-Screen-1	Jun 2020	MW-22-1	2.0 U	1.0 U	0.9 J	0.5
MW-22-Screen-2						
MW-22-Screen-2	Apr/May 2019	MW-22-2	2.0 U	1.0 U	3.0 U	0.3
MW-22-Screen-2	Jul/Aug 2019	MW-22-2	NA	NA	3.0 U	0.5
MW-22-Screen-2	Oct 2019	MW-22-2	NA	NA	1.6 J	1.6
MW-22-Screen-2	Oct 2019	DUP-4-4Q19	NA	NA	0.8 J	0.9
MW-22-Screen-2	Feb 2020	MW-22-2	NA	NA	1.6 J	1.8
MW-22-Screen-2	Jun 2020	MW-22-2	2.0 U	1.0 U	1.4 J	1.3
MW-22-Screen-3						
MW-22-Screen-3	Apr/May 2019	MW-22-3	0.9 J	1.0 U	0.5 J	0.9
MW-22-Screen-3	Jul/Aug 2019	MW-22-3	NA	NA	3.0 U	1.2
MW-22-Screen-3	Oct 2019	MW-22-3	NA	NA	1.2 J	0.9
MW-22-Screen-3	Feb 2020	MW-22-3	NA	NA	2.0 J	2.0
MW-22-Screen-3	Jun 2020	MW-22-3	2.0 U	1.0 U	1.0 J	0.8
MW-22-Screen-4						
MW-22-Screen-4	Apr/May 2019	MW-22-4	0.9 J	1.0 U	2.0 J	2.4
MW-22-Screen-4	Oct 2019	MW-22-4	NA	NA	2.3 J	2.5
MW-22-Screen-4	Jun 2020	MW-22-4	2.0 U	1.0 U	2.8 J	2.5
MW-22-Screen-5						
MW-22-Screen-5	Apr/May 2019	MW-22-5	2.0 U	1.0 U	3.0 U	0.2 U
MW-22-Screen-5	Oct 2019	MW-22-5	NA	NA	3.0 U	0.1 J
MW-22-Screen-5	Jun 2020	MW-22-5	2.0 U	1.0 U	3.0 U	0.1 J
MW-23-Screen-1						
MW-23-Screen-1	Apr/May 2019	MW-23-1	0.8 J	1.0 U	3.0 U	0.5
MW-23-Screen-1	Jul/Aug 2019	MW-23-1	NA	NA	0.7 J	0.2 J
MW-23-Screen-1	Oct 2019	MW-23-1	NA	NA	0.6 J	0.4
MW-23-Screen-1	Feb 2020	MW-23-1	NA	NA	0.6 J	0.2 J
MW-23-Screen-1	Jun 2020	MW-23-1	2.0 U	1.0 U	3.0 U	0.6
MW-23-Screen-2						
MW-23-Screen-2	Apr/May 2019	MW-23-2	2.0 U	1.0 U	3.0 U	1.4
MW-23-Screen-2	Apr/May 2019	DUP-1-2Q19	2.0 U	1.0 U	3.0 U	1.3
MW-23-Screen-2	Jul/Aug 2019	MW-23-2	NA	NA	1.1 J	0.9
MW-23-Screen-2	Oct 2019	MW-23-2	NA	NA	0.6 J	0.9
MW-23-Screen-2	Feb 2020	MW-23-2	NA	NA	1.0 J	0.8
MW-23-Screen-2	Jun 2020	MW-23-2	2.0 U	1.0 U	1.2 J	0.9
MW-23-Screen-3						
MW-23-Screen-3	Apr/May 2019	MW-23-3	1.0 J	1.0 U	3.0 U	2.8
MW-23-Screen-3	Jul/Aug 2019	MW-23-3	NA	NA	3.1	2.7
MW-23-Screen-3	Oct 2019	MW-23-3	NA	NA	2.6 J	2.6
MW-23-Screen-3	Feb 2020	MW-23-3	NA	NA	2.8 J	2.6
MW-23-Screen-3	Jun 2020	MW-23-3	2.0 U	1.0 U	3.2	2.3
MW-23-Screen-3	Jun 2020	Dup-3-2Q2020	2.0 U	1.0 U	3.5	2.9
MW-23-Screen-4						
MW-23-Screen-4	Apr/May 2019	MW-23-4	1.7 J	1.0 U	3.4	3.1
MW-23-Screen-4	Jul/Aug 2019	MW-23-4	NA	NA	3.2	2.9
MW-23-Screen-4	Oct 2019	MW-23-4	NA	NA	2.4 J	2.9
MW-23-Screen-4	Feb 2020	MW-23-4	NA	NA	2.9 J	2.7
MW-23-Screen-4	Jun 2020	MW-23-4	1.7 J	1.0 U	3.4	2.6
MW-23-Screen-5						

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-23-Screen-5	Apr/May 2019	MW-23-5	2.4	0.3 J	3.0 U	0.2 U
MW-23-Screen-5	Oct 2019	MW-23-5	NA	NA	3.0 U	0.2 U
MW-23-Screen-5	Jun 2020	MW-23-5	2.0	0.1 J	3.0 U	0.2 U
MW-24-Screen-1						
MW-24-Screen-1	Apr/May 2019	MW-24-1	2.0 U	1.0 U	6.3	0.6
MW-24-Screen-1	Jul/Aug 2019	MW-24-1	NA	NA	1.7 J	0.7
MW-24-Screen-1	Oct 2019	MW-24-1	NA	NA	3.6	0.1 J
MW-24-Screen-1	Feb 2020	MW-24-1	NA	NA	0.9 J	0.2 U
MW-24-Screen-1	Jun 2020	MW-24-1	2.0 U	1.0 U	1.1 J	0.1 J
MW-24-Screen-2						
MW-24-Screen-2	Apr/May 2019	MW-24-2	1.6 J	1.0 U	2.0 J	1.9
MW-24-Screen-2	Jul/Aug 2019	MW-24-2	NA	NA	1.3 J	1.6
MW-24-Screen-2	Oct 2019	MW-24-2	NA	NA	2.1 J	2.1
MW-24-Screen-2	Feb 2020	MW-24-2	NA	NA	1.9 J	2.0
MW-24-Screen-2	Feb 2020	DUP-5-1Q20	NA	NA	2.2 J	2.0
MW-24-Screen-2	Jun 2020	MW-24-2	2.0 U	1.0 U	3.0 U	2.2
MW-24-Screen-3						
MW-24-Screen-3	Apr/May 2019	MW-24-3	2.0	1.0 U	0.6 J	0.2 U
MW-24-Screen-3	Jul/Aug 2019	MW-24-3	NA	NA	3.0 U	0.2 U
MW-24-Screen-3	Oct 2019	MW-24-3	NA	NA	3.0 U	0.0 J
MW-24-Screen-3	Feb 2020	MW-24-3	NA	NA	3.0 U	0.2 U
MW-24-Screen-3	Jun 2020	MW-24-3	1.3 J	1.0 U	3.0 U	0.2 U
MW-24-Screen-4						
MW-24-Screen-4	Apr/May 2019	MW-24-4	1.4 J	1.0 U	3.0 U	0.2 U
MW-24-Screen-4	Jul/Aug 2019	MW-24-4	NA	NA	3.0 U	0.1 J
MW-24-Screen-4	Jul/Aug 2019	DUP-4-3Q19	NA	NA	3.0 U	0.1 J
MW-24-Screen-4	Oct 2019	MW-24-4	NA	NA	3.0 U	0.1 J
MW-24-Screen-4	Feb 2020	MW-24-4	NA	NA	3.0 U	0.2 U
MW-24-Screen-4	Jun 2020	MW-24-4	2.0 U	0.1 J	0.9 J	0.2 U
MW-24-Screen-5						
MW-24-Screen-5	Apr/May 2019	MW-24-5	2.7	0.2 J	3.0 U	2.5
MW-24-Screen-5	Oct 2019	MW-24-5	NA	NA	3.1	2.5
MW-24-Screen-5	Jun 2020	MW-24-5	2.3	0.1 J	3.1	2.3
MW-25-Screen-1						
MW-25-Screen-1	Apr/May 2019	MW-25-1	1.1 J	1.0 U	2.1 J	0.6
MW-25-Screen-1	Jul/Aug 2019	MW-25-1	NA	NA	2.0 J	0.3
MW-25-Screen-1	Oct 2019	MW-25-1	NA	NA	1.3 J	0.3
MW-25-Screen-1	Feb 2020	MW-25-1	NA	NA	1.6 J	0.2 U
MW-25-Screen-1	Jun 2020	MW-25-1	2.0 U	1.0 U	1.6 J	0.2 U
MW-25-Screen-2						
MW-25-Screen-2	Apr/May 2019	MW-25-2	1.0 J	1.0 U	3.2	2.9
MW-25-Screen-2	Jul/Aug 2019	MW-25-2	NA	NA	3.1	1.0
MW-25-Screen-2	Oct 2019	MW-25-2	NA	NA	1.2 J	1.0
MW-25-Screen-2	Feb 2020	MW-25-2	NA	NA	3.6	2.8
MW-25-Screen-2	Jun 2020	MW-25-2	1.1 J	1.0 U	3.2	2.8
MW-25-Screen-3						
MW-25-Screen-3	Apr/May 2019	MW-25-3	0.9 J	1.0 U	3.7	3.3
MW-25-Screen-3	Jul/Aug 2019	MW-25-3	NA	NA	2.4 J	1.9
MW-25-Screen-3	Oct 2019	MW-25-3	NA	NA	1.9 J	2.5
MW-25-Screen-3	Oct 2019	DUP-3-4Q19	NA	NA	3.9	2.5
MW-25-Screen-3	Feb 2020	MW-25-3	NA	NA	3.3	3.7
MW-25-Screen-3	Jun 2020	MW-25-3	1.2 J	1.0 U	3.0	3.2
MW-25-Screen-4						
MW-25-Screen-4	Apr/May 2019	MW-25-4	2.0 U	1.0 U	0.9 J	0.6
MW-25-Screen-4	Jul/Aug 2019	MW-25-4	NA	NA	1.8 J	0.5
MW-25-Screen-4	Jul/Aug 2019	DUP-1-3Q19	NA	NA	1.7 J	0.4

Sample Location	Sampling Event	Sample Number	Arsenic (µg/L)	Lead (µg/L)	Chromium, Total (µg/L)	Chromium, Hexavalent (µg/L)
MW-25-Screen-4	Oct 2019	MW-25-4	NA	NA	0.9 J	0.4
MW-25-Screen-4	Feb 2020	MW-25-4	NA	NA	1.8 J	0.9
MW-25-Screen-4	Jun 2020	MW-25-4	1.2 J	1.0 U	3.6	1.0
MW-25-Screen-5						
MW-25-Screen-5	Apr/May 2019	MW-25-5	0.7 J	1.0 U	3.0 U	0.2 U
MW-25-Screen-5	Jul/Aug 2019	MW-25-5	NA	NA	0.5 J	0.1 J
MW-25-Screen-5	Oct 2019	MW-25-5	NA	NA	3.0 U	0.0 J
MW-25-Screen-5	Feb 2020	MW-25-5	NA	NA	3.0 U	0.0 J
MW-25-Screen-5	Feb 2020	DUP-1-1Q20	NA	NA	3.0 U	0.1 J
MW-25-Screen-5	Jun 2020	MW-25-5	0.8 J	1.0 U	3.0 U	0.2 U
MW-26-Screen-1						
MW-26-Screen-1	Apr/May 2019	MW-26-1	2.0 U	1.0 U	3.0 U	0.5
MW-26-Screen-1	Jul/Aug 2019	MW-26-1	NA	NA	3.0 U	0.5
MW-26-Screen-1	Oct 2019	MW-26-1	NA	NA	3.0 U	0.2 U
MW-26-Screen-1	Feb 2020	MW-26-1	NA	NA	3.0 U	0.4
MW-26-Screen-1	Jun 2020	MW-26-1	2.0 U	1.0 U	3.0 U	0.3
MW-26-Screen-2						
MW-26-Screen-2	Apr/May 2019	MW-26-2	1.0 J	1.0 U	3.0 U	0.8
MW-26-Screen-2	Jul/Aug 2019	MW-26-2	NA	NA	2.6 J	0.9
MW-26-Screen-2	Oct 2019	MW-26-2	NA	NA	1.1 J	0.4
MW-26-Screen-2	Feb 2020	MW-26-2	NA	NA	0.5 J	0.2 U
MW-26-Screen-2	Jun 2020	MW-26-2	2.0 U	1.0 U	3.0 U	0.2 U
Analyte concentration exceeds the standard for:						
CA MCL			10.0	15.0*	50.0	50.0**
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					
**	Due to a court ruling, the State Water Resources Control Board adopted a resolution on August 1, 2017 to remove the current maximum contaminant level (MCL[10.0 µg/L]) for CrVI. CrVI is regulated under the 50.0 µg/L MCL for total chromium."					
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					
LA CANADA IRRIGATION DIST. WELL 06					
	3/31/2019	4.0 U	0.5 U	0.5 U	0.8
LAS FLORES WATER CO. WELL 02					
	1/2/2019	4.3	NA	1.0	NA
	1/7/2019	4.5	NA	1.6	NA
	1/14/2019	4.0 U	NA	1.0	NA
	1/21/2019	4.0 U	NA	0.9	NA
	1/28/2019	4.6	NA	1.2	NA
	2/4/2019	4.0 U	NA	0.8	NA
	2/11/2019	4.2	NA	1.3	NA
	2/19/2019	4.0 U	NA	1.0	NA
	2/25/2019	4.0 U	NA	1.0	NA
	3/4/2019	4.0 U	NA	1.2	NA
	3/12/2019	4.0 U	NA	0.6	NA
	3/18/2019	4.0 U	NA	1.2	NA
	3/25/2019	4.0 U	NA	1.0	NA
	4/1/2019	4.0 U	NA	0.9	NA
	4/8/2019	4.0 U	NA	0.7	NA
	4/15/2019	4.0	NA	1.4	NA
	4/22/2019	5.6	NA	1.7	NA
	4/29/2019	4.0	NA	1.0	NA
	5/6/2019	4.3	NA	1.8	NA
	5/13/2019	4.4	NA	1.8	NA
	5/20/2019	4.2	NA	1.8	NA
	5/28/2019	4.0 U	NA	1.0	NA
	6/10/2019	4.5	NA	1.8	NA
	6/17/2019	4.3	NA	0.9	NA
	6/24/2019	4.2	NA	1.9	NA
	7/1/2019	4.7	NA	2.1	NA
	7/8/2019	4.0 U	NA	1.7	NA
	7/15/2019	4.4	NA	1.9	NA
	7/22/2019	4.3	NA	1.1	NA
	7/29/2019	4.6	NA	1.8	NA
	8/5/2019	4.4	NA	2.1	NA
	8/12/2019	4.0 U	NA	1.7	NA
	8/19/2019	4.0 U	NA	1.8	NA
	9/3/2019	4.2	NA	2.1	NA
	9/9/2019	4.1	NA	1.4	NA

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
	9/16/2019	4.7	NA	1.4	NA
	9/23/2019	4.2	NA	1.2	NA
	9/30/2019	4.1	NA	1.0	NA
	10/7/2019	4.6	NA	2.4	NA
	10/14/2019	4.5	NA	2.1	NA
	10/21/2019	4.5	NA	1.6	NA
	10/28/2019	4.4	NA	1.8	NA
	11/4/2019	4.0 U	NA	1.1	NA
	11/11/2019	4.3	NA	1.8	NA
	11/18/2019	4.7	NA	2.1	NA
	11/25/2019	4.3	NA	2.1	NA
	12/2/2019	4.3	NA	1.4	NA
	12/9/2019	4.0 U	NA	1.3	NA
	12/16/2019	4.0 U	0.5 U	1.6	0.5 U
	12/23/2019	4.4	NA	1.5	NA
	12/30/2019	4.3	NA	1.7	NA
	1/6/2020	4.0 U	NA	2.8	NA
	1/13/2020	4.0	NA	1.6	NA
	1/20/2020	4.6	NA	2.2	NA
	1/27/2020	4.3	NA	2.2	NA
	2/3/2020	4.3	NA	2.4	NA
	2/10/2020	4.1	NA	2.6	NA
	2/18/2020	5.1	NA	2.6	NA
	2/24/2020	4.2	NA	2.0	NA
	3/2/2020	4.7	NA	2.3	NA
	3/9/2020	0.0 U	NA	2.1	NA
	3/16/2020	4.2	NA	2.1	NA
	3/23/2020	4.3	NA	1.6	NA
	3/30/2020	0.0 U	NA	1.9	NA
	4/6/2020	0.0 U	NA	2.3	NA
	4/13/2020	0.0 U	NA	2.4	NA
	4/20/2020	0.0 U	NA	2.0	NA
	4/27/2020	4.6	NA	2.2	NA
	5/4/2020	0.0 U	NA	1.9	NA
	5/11/2020	0.0 U	NA	2.4	NA
	5/18/2020	0.0 U	NA	2.1	NA
	5/26/2020	4.0	NA	1.8	NA
	6/1/2020	0.0 U	NA	2.0	NA
	6/8/2020	0.0 U	NA	2.4	NA
	6/22/2020	4.1	NA	2.8	NA
	6/29/2020	4.8	NA	2.2	NA
LINCOLN AVENUE WATER CO. WELL 05					
	2/25/2019	6.2	4.9	0.2	0.4
	4/26/2019	5.5	3.7	0.5 U	0.5
	4/30/2019	8.1	NA	NA	NA
	5/7/2019	10.0	2.1	0.6	1.4

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
	5/14/2019	12.0	NA	NA	NA
	5/21/2019	10.0	NA	NA	NA
	5/28/2019	12.0	NA	NA	NA
	6/4/2019	12.0	2.1	0.8	1.9
	6/11/2019	11.0	NA	NA	NA
	6/18/2019	11.0	NA	NA	NA
	6/25/2019	12.0	NA	NA	NA
	7/2/2019	11.0	1.9	0.7	2.0
	7/9/2019	11.0	NA	NA	NA
	2/12/2020	5.2	5.0	0.5 U	0.5 U
	2/18/2020	7.4	NA	NA	NA
	2/19/2020	NA	2.3	0.5	0.9
LINCOLN AVENUE WATER CO. WELL #6					
	1/2/2019	12.0	2.0	0.6	1.4
	1/8/2019	11.0	NA	NA	NA
	1/15/2019	11.0	NA	NA	NA
	1/22/2019	12.0	NA	NA	NA
	1/29/2019	11.0	NA	NA	NA
	2/5/2019	11.0	2.1	0.6	1.3
	2/12/2019	11.0	NA	NA	NA
	2/19/2019	12.0	NA	NA	NA
	2/26/2019	13.0	NA	NA	NA
	3/5/2019	11.0	1.8	0.7	1.5
	3/12/2019	11.0	NA	NA	NA
	3/19/2019	10.0	NA	NA	NA
	3/26/2019	10.0	NA	NA	NA
	4/2/2019	11.0	1.6	0.7	1.7
	4/10/2019	10.0	NA	NA	NA
	4/16/2019	11.0	NA	NA	NA
	4/23/2019	12.0	NA	NA	NA
	7/11/2019	7.5	0.5 U	0.7	1.9
	7/16/2019	11.0	NA	NA	NA
	7/23/2019	11.0	NA	NA	NA
	7/30/2019	11.0	NA	NA	NA
	8/6/2019	11.0	2.1	0.7	1.7
	8/13/2019	11.0	NA	NA	NA
	8/20/2019	11.0	NA	NA	NA
	9/3/2019	10.0	2.3	0.7	1.4
	9/10/2019	12.0	NA	NA	NA
	9/17/2019	10.0	NA	NA	NA
	9/24/2019	11.0	NA	NA	NA
	10/1/2019	11.0	1.7	0.6	1.1
	10/8/2019	10.0	NA	NA	NA
	10/15/2019	10.0	NA	NA	NA
	10/21/2019	9.8	NA	NA	NA
	10/29/2019	9.8	NA	NA	NA

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
	11/5/2019	9.7	1.8	0.7	1.2
	11/12/2019	9.6	NA	NA	NA
	11/19/2019	9.9	NA	NA	NA
	11/26/2019	9.5	NA	NA	NA
	12/3/2019	9.2	1.8	0.5	1.1
	12/12/2019	9.7	NA	NA	NA
	12/17/2019	9.1	NA	NA	NA
	12/24/2019	9.4	NA	NA	NA
	12/31/2019	10.0	NA	NA	NA
	1/7/2020	9.6	2.6	0.7	1.4
	1/15/2020	9.7	NA	NA	NA
	1/21/2020	9.5	NA	NA	NA
	1/28/2020	9.5	NA	NA	NA
	2/4/2020	8.9	1.8	0.6	1.2
	2/11/2020	9.5	NA	NA	NA
	2/25/2020	11.0	NA	NA	NA
	3/4/2020	9.7	1.9	0.6	1.4
	3/10/2020	9.0	NA	NA	NA
	3/17/2020	10.0	NA	NA	NA
	3/24/2020	9.0	NA	NA	NA
	3/31/2020	9.1	NA	NA	NA
	4/8/2020	8.7	1.8	0.5	1.2
	4/14/2020	9.6	NA	NA	NA
	4/21/2020	9.5	NA	NA	NA
	4/28/2020	8.4	NA	NA	NA
	5/6/2020	7.4	2.1	0.6	1.3
	5/13/2020	8.2	NA	NA	NA
	5/19/2020	7.3	NA	NA	NA
	5/26/2020	7.3	NA	NA	NA
	6/2/2020	7.2	2.1	0.6	1.3
	6/9/2020	8.3	NA	NA	NA
	6/16/2020	7.8	NA	NA	NA
	6/23/2020	8.2	NA	NA	NA
	6/30/2020	9.8	NA	NA	NA
PASADENA-CITY, WATER DEPT. ARROYO					
	1/2/2019	9.5	1.0	0.5	2.0
	1/8/2019	9.8	1.0	0.5	2.0
	1/15/2019	9.0	0.9	0.5	1.8
	1/22/2019	8.4	0.8	0.5 U	1.6
	1/29/2019	8.8	0.9	0.5	1.9
	2/5/2019	8.5	0.9	0.6	1.9
	2/13/2019	8.1	1.0	0.6	1.9
	2/19/2019	7.8	1.0	0.5	1.9
	2/26/2019	7.9	1.0	0.6	2.0
	3/5/2019	8.0	1.0	0.5	2.0
	3/12/2019	7.3	0.7	0.5 U	1.5

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
	3/19/2019	7.1	0.6	0.5	1.3
	3/26/2019	6.7	0.6	0.6	1.3
	4/2/2019	7.5	0.6	0.6	1.4
	4/8/2019	7.3	0.7	0.5	1.6
	4/16/2019	6.6	0.6	0.6	1.6
	4/23/2019	8.8	0.8	0.5	1.7
	4/30/2019	7.1	0.7	0.5	1.6
	5/7/2019	6.9	0.8	0.5	1.6
	5/14/2019	7.2	0.9	0.6	1.7
	5/21/2019	7.2	0.8	0.5 U	1.6
	5/28/2019	7.7	0.9	0.5 U	1.7
	6/4/2019	7.0	0.9	0.5 U	1.6
	6/11/2019	7.0	0.8	0.5 U	1.5
	6/18/2019	7.0	0.8	0.5 U	1.6
	6/25/2019	7.2	0.8	0.5 U	1.6
	7/2/2019	7.5	0.7	0.5 U	1.4
	7/9/2019	7.5	0.8	0.5 U	1.4
	7/16/2019	7.9	0.9	0.6	1.7
	7/22/2019	7.4	0.8	0.5 U	1.3
	7/30/2019	8.4	0.8	0.5 U	1.5
	9/3/2019	8.6	0.8	0.5 U	1.4
	9/10/2019	8.8	0.7	0.5 U	1.2
	9/17/2019	8.5	1.0	0.5 U	1.6
	9/24/2019	8.7	0.8	0.5 U	1.4
	10/1/2019	7.9	0.8	0.5 U	1.5
	10/7/2019	NA	0.5 U	0.7	3.2
	10/8/2019	8.1	0.9	0.5 U	1.5
	10/15/2019	7.8	0.7	0.5 U	1.3
	10/21/2019	7.1	0.6	0.5 U	1.0
	10/29/2019	6.2	0.8	0.5 U	1.4
	11/5/2019	8.0	0.7	0.5 U	1.4
	11/12/2019	6.1	0.8	0.5 U	1.3
	11/19/2019	6.8	0.8	0.5 U	1.5
	11/26/2019	7.9	0.8	0.5	1.6
	12/3/2019	9.1	0.7	0.5	1.5
	12/10/2019	7.3	0.8	0.5 U	1.5
	12/17/2019	6.9	0.8	0.6	1.6
	12/24/2019	7.2	0.9	0.5	1.5
	12/31/2019	7.4	0.8	0.5 U	1.3
	1/7/2020	8.1	0.8	0.5	1.4
	1/14/2020	7.6	0.8	0.5 U	1.4
	1/21/2020	8.3	0.8	0.5	1.4
	1/28/2020	7.0	0.8	0.5 U	1.4
	2/4/2020	8.5	0.8	0.5 U	1.5
	2/11/2020	7.6	0.8	0.5 U	1.4
	2/18/2020	9.5	0.8	0.5	1.3

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
	2/25/2020	8.1	0.9	0.5	1.4
	3/3/2020	10.2	1.0	0.0 U	1.3
	3/10/2020	8.5	0.9	0.0 U	1.2
	3/17/2020	6.2	1.0	0.0 U	1.3
	3/24/2020	8.3	1.0	0.5	1.3
	3/31/2020	7.8	1.0	0.5	1.3
	4/8/2020	7.7	0.8	0.0 U	0.9
	4/14/2020	7.1	0.8	0.0 U	0.9
	4/21/2020	7.1	1.0	0.0 U	1.3
	4/28/2020	7.7	0.9	0.0 U	1.0
	5/5/2020	7.4	1.0	0.5	1.1
	5/12/2020	7.9	1.0	0.0 U	0.0 U
	5/19/2020	7.5	0.9	0.0 U	0.9
	5/27/2020	7.4	1.0	0.0 U	1.0
	6/2/2020	7.8	1.1	0.0 U	1.1
	6/9/2020	7.8	1.1	0.0 U	1.1
	6/16/2020	8.6	1.1	0.0 U	1.1
	6/23/2020	7.3	1.1	0.5	1.1
	6/30/2020	7.6	1.1	0.0 U	1.2
PASADENA-CITY, WATER DEPT. VENTURA					
	1/14/2019	5.0	0.5 U	1.5	3.1
	1/28/2019	4.7	0.5 U	1.7	3.1
	3/4/2019	4.0 U	0.5 U	1.5	3.4
	4/15/2019	4.1	0.5 U	1.4	3.7
	5/20/2019	4.0 U	0.5 U	1.4	3.9
	7/1/2019	4.1	0.5 U	1.2	3.4
	7/15/2019	4.4	0.5 U	1.3	3.4
	9/16/2019	4.5	0.5 U	1.1	2.9
	9/23/2019	4.4	0.5 U	1.3	3.5
	9/30/2019	NA	0.5 U	1.3	3.3
	10/14/2019	4.9	0.5 U	1.1	3.2
	10/28/2019	4.0 U	0.5 U	1.3	3.2
	11/18/2019	4.0 U	0.5 U	1.4	3.3
	12/2/2019	4.4	0.5 U	1.4	3.7
PASADENA-CITY, WATER DEPT. WELL 52					
	1/7/2019	4.5	0.5 U	0.8	4.8
	1/23/2019	5.4	0.5 U	0.8	4.5
	2/4/2019	4.4	0.5 U	1.0	4.9
	2/25/2019	4.4	0.5 U	0.9	4.8
	3/11/2019	4.0	0.5 U	1.0	4.8
	4/22/2019	4.0 U	0.5 U	0.8	4.0
	5/6/2019	4.0 U	0.5 U	0.8	3.6
	6/24/2019	4.0 U	0.5 U	0.6	3.1
	7/8/2019	4.0 U	0.5 U	0.7	3.1
	7/24/2019	4.0 U	0.5 U	0.7	3.2
	9/9/2019	5.0	0.5 U	0.7	3.1

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
	10/7/2019	4.0 U	0.5 U	0.7	3.2
	11/25/2019	4.3	0.5 U	0.8	3.1
	12/9/2019	4.0 U	0.5 U	0.7	3.3
	12/16/2019	4.0 U	0.5 U	0.8	3.3
	12/24/2019	4.0 U	0.5 U	0.8	3.0
	12/31/2019	4.0 U	0.5 U	0.8	3.1
	1/7/2020	4.0 U	0.5 U	0.8	3.2
	1/14/2020	4.0 U	0.5 U	0.6	2.3
	1/21/2020	4.0 U	0.5 U	0.8	3.3
	2/7/2020	4.0 U	0.5 U	0.5 U	1.8
	2/11/2020	4.0 U	0.5 U	0.8	3.2
	2/18/2020	4.0 U	0.5 U	0.5	2.4
	2/25/2020	4.2	0.5 U	0.8	3.2
	3/3/2020	5.3	0.0 U	0.8	3.5
	3/10/2020	0.0 U	0.0 U	0.5	2.2
	3/17/2020	4.3	0.0 U	0.8	3.0
	3/24/2020	4.3	0.0 U	0.8	3.0
	3/31/2020	0.0 U	0.0 U	0.8	2.9
	4/8/2020	0.0 U	0.0 U	0.7	2.9
	4/14/2020	4.8	0.0 U	0.8	2.9
	4/21/2020	4.1	0.0 U	0.8	2.9
	4/28/2020	0.0 U	0.0 U	0.7	2.7
	5/5/2020	0.0 U	0.0 U	0.9	2.9
	5/12/2020	0.0 U	0.0 U	0.6	2.3
	5/19/2020	0.0 U	0.0 U	0.8	2.6
	5/27/2020	0.0 U	0.0 U	0.8	2.6
	6/2/2020	0.0 U	0.0 U	0.7	2.6
	6/9/2020	4.3	0.0 U	0.8	2.5
	6/16/2020	0.0 U	0.0 U	0.8	2.5
	6/23/2020	0.0 U	0.0 U	0.8	2.6
	6/30/2020	0.0 U	0.0 U	0.8	2.2
PASADENA-CITY, WATER DEPT. WINDSOR					
RUBIO CANON LAND & WATER ASSOCIATION WELL 04					
	1/2/2019	4.0 U	NA	NA	NA
	1/8/2019	4.0 U	NA	2.1	NA
	1/14/2019	4.0 U	NA	NA	NA
	1/22/2019	4.0 U	NA	NA	NA
	1/28/2019	4.0 U	NA	NA	NA
	2/5/2019	4.0 U	0.5 U	3.7	0.5 U
	2/11/2019	4.0 U	NA	NA	NA
	2/19/2019	4.0 U	NA	NA	NA
	2/25/2019	4.0 U	NA	NA	NA
	3/4/2019	4.0 U	NA	NA	NA
	3/11/2019	4.0 U	NA	NA	NA
	3/18/2019	4.0 U	NA	NA	NA
	3/25/2019	4.0 U	NA	NA	NA

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
	4/2/2019	4.0 U	NA	3.1	NA
	4/8/2019	4.0 U	NA	NA	NA
	4/15/2019	4.0 U	NA	NA	NA
	4/22/2019	4.0 U	NA	NA	NA
	4/29/2019	4.0 U	NA	NA	NA
	5/6/2019	4.0 U	NA	NA	NA
	5/13/2019	4.0 U	NA	NA	NA
	5/20/2019	4.0 U	NA	NA	NA
	5/28/2019	4.0 U	NA	NA	NA
	6/3/2019	4.0 U	NA	NA	NA
	6/10/2019	4.0 U	NA	NA	NA
	6/17/2019	4.0 U	NA	NA	NA
	6/24/2019	4.0 U	NA	NA	NA
	7/1/2019	4.0 U	NA	NA	NA
	7/8/2019	4.0 U	NA	NA	NA
	7/15/2019	4.0 U	NA	3.4	NA
	7/22/2019	4.0 U	NA	NA	NA
	7/29/2019	4.0 U	NA	NA	NA
	8/5/2019	4.0 U	NA	NA	NA
	8/12/2019	4.0 U	NA	NA	NA
	8/19/2019	4.0 U	NA	NA	NA
	9/3/2019	4.0 U	NA	NA	NA
	9/9/2019	4.0 U	NA	NA	NA
	9/16/2019	4.0 U	NA	NA	NA
	9/23/2019	4.0 U	NA	NA	NA
	9/30/2019	4.0 U	NA	NA	NA
	10/7/2019	4.0 U	NA	4.6	NA
	10/14/2019	4.0 U	NA	NA	NA
	10/21/2019	4.0 U	NA	NA	NA
	10/28/2019	4.0 U	NA	NA	NA
	11/4/2019	4.0 U	NA	NA	NA
	11/12/2019	4.0 U	NA	NA	NA
	11/18/2019	4.0 U	NA	NA	NA
	11/25/2019	4.0 U	NA	NA	NA
	12/2/2019	4.0 U	NA	NA	NA
	12/9/2019	4.0 U	NA	NA	NA
	12/16/2019	4.0 U	NA	NA	NA
	12/23/2019	4.0 U	NA	NA	NA
	12/30/2019	4.0 U	NA	NA	NA
	1/6/2020	4.0 U	NA	5.0	NA
	1/13/2020	4.0 U	NA	NA	NA
	1/21/2020	4.0 U	NA	NA	NA
	1/27/2020	4.0 U	NA	NA	NA
	2/3/2020	NA	0.5 U	4.3	0.5 U
	2/4/2020	4.0 U	NA	NA	NA
	2/10/2020	4.0 U	NA	NA	NA

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
	2/18/2020	4.0 U	NA	NA	NA
	2/24/2020	4.0 U	NA	NA	NA
	3/2/2020	0.0 U	NA	NA	NA
	3/9/2020	0.0 U	NA	NA	NA
	3/16/2020	0.0 U	NA	NA	NA
	3/23/2020	0.0 U	NA	NA	NA
	3/30/2020	0.0 U	NA	NA	NA
	4/6/2020	0.0 U	NA	2.0	NA
	4/13/2020	0.0 U	NA	NA	NA
	4/20/2020	0.0 U	NA	NA	NA
	4/27/2020	0.0 U	NA	NA	NA
	5/4/2020	0.0 U	NA	NA	NA
	5/11/2020	0.0 U	NA	NA	NA
	5/18/2020	0.0 U	NA	NA	NA
	5/26/2020	0.0 U	NA	NA	NA
	6/1/2020	0.0 U	NA	NA	NA
	6/8/2020	0.0 U	NA	NA	NA
	6/15/2020	0.0 U	NA	NA	NA
	6/22/2020	0.0 U	NA	NA	NA
	6/29/2020	0.0 U	NA	NA	NA
RUBIO CANON LAND & WATER ASSOCIATION WELL 07					
	1/2/2019	4.0 U	NA	NA	NA
	1/8/2019	4.0 U	NA	0.6	NA
	1/14/2019	4.0 U	NA	NA	NA
	1/22/2019	4.0 U	NA	NA	NA
	1/28/2019	4.0 U	NA	NA	NA
	2/5/2019	4.0 U	0.5 U	0.5	0.5 U
	2/11/2019	4.0 U	NA	NA	NA
	2/19/2019	4.0 U	NA	NA	NA
	2/25/2019	4.0 U	NA	NA	NA
	3/4/2019	4.0 U	NA	NA	NA
	3/11/2019	4.0 U	NA	NA	NA
	3/18/2019	4.0 U	NA	NA	NA
	3/25/2019	4.0 U	NA	NA	NA
	4/2/2019	4.0 U	NA	0.7	NA
	4/8/2019	4.0 U	NA	NA	NA
	4/15/2019	4.0 U	NA	NA	NA
	4/22/2019	4.0 U	NA	NA	NA
	4/29/2019	4.0 U	NA	NA	NA
	5/6/2019	4.0 U	NA	NA	NA
	5/13/2019	4.0 U	NA	NA	NA
	5/20/2019	4.0 U	NA	NA	NA
	5/28/2019	4.0 U	NA	NA	NA
	6/3/2019	4.0 U	NA	NA	NA
	6/10/2019	4.0 U	NA	NA	NA
	6/17/2019	4.0 U	NA	NA	NA

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
	6/24/2019	4.0 U	NA	NA	NA
	7/1/2019	4.0 U	NA	NA	NA
	7/8/2019	4.0 U	NA	NA	NA
	7/15/2019	4.0 U	NA	0.6	NA
	7/22/2019	4.0 U	NA	NA	NA
	7/29/2019	4.0 U	NA	NA	NA
	8/5/2019	4.0 U	NA	NA	NA
	8/12/2019	4.0 U	NA	NA	NA
	8/19/2019	4.0 U	NA	NA	NA
	9/3/2019	4.0 U	NA	NA	NA
	9/9/2019	4.0 U	NA	NA	NA
	9/16/2019	4.0 U	NA	NA	NA
	9/23/2019	4.0 U	NA	NA	NA
	9/30/2019	4.0 U	NA	NA	NA
	10/7/2019	4.0 U	NA	0.7	NA
	10/14/2019	4.0 U	NA	NA	NA
	10/21/2019	4.0 U	NA	NA	NA
	10/28/2019	4.0 U	NA	NA	NA
	11/4/2019	4.0 U	NA	NA	NA
	11/12/2019	4.0 U	NA	NA	NA
	11/18/2019	4.0 U	NA	NA	NA
	11/25/2019	4.0 U	NA	NA	NA
	12/2/2019	4.0 U	NA	NA	NA
	12/9/2019	4.0 U	NA	NA	NA
	12/16/2019	4.0 U	NA	NA	NA
	12/23/2019	4.0 U	NA	NA	NA
	12/30/2019	4.0 U	NA	NA	NA
	1/6/2020	4.0 U	NA	0.8	NA
	1/13/2020	4.0 U	NA	NA	NA
	1/21/2020	4.0 U	NA	NA	NA
	1/27/2020	4.0 U	NA	NA	NA
	2/3/2020	NA	0.5 U	0.6	0.5 U
	2/4/2020	4.0 U	NA	NA	NA
	2/10/2020	4.0 U	NA	NA	NA
	2/18/2020	4.0 U	NA	NA	NA
	2/24/2020	4.0 U	NA	NA	NA
	3/2/2020	0.0 U	NA	NA	NA
	3/9/2020	0.0 U	NA	NA	NA
	3/16/2020	0.0 U	NA	NA	NA
	3/23/2020	0.0 U	NA	NA	NA
	3/30/2020	0.0 U	NA	NA	NA
	4/6/2020	0.0 U	NA	0.0 U	NA
	4/13/2020	0.0 U	NA	NA	NA
	4/20/2020	0.0 U	NA	NA	NA
	4/27/2020	0.0 U	NA	NA	NA
	5/4/2020	0.0 U	NA	NA	NA

Purveyor, Well Name	Sample Date	Perchlorate	Carbon tetrachloride	PCE	TCE
	5/11/2020	0.0 U	NA	NA	NA
	5/18/2020	0.0 U	NA	NA	NA
	5/26/2020	0.0 U	NA	NA	NA
	6/1/2020	0.0 U	NA	NA	NA
	6/8/2020	0.0 U	NA	NA	NA
	6/15/2020	0.0 U	NA	NA	NA
	6/22/2020	0.0 U	NA	NA	NA
	6/29/2020	0.0 U	NA	NA	NA
VALLEY WATER CO. WELL 01					
	5/7/2019	4.0 U	0.5 U	0.9	1.2
	6/4/2019	4.0 U	0.5 U	1.1	1.3
	7/2/2019	4.0 U	0.5 U	1.1	1.3
	9/3/2019	4.0 U	0.5 U	0.9	1.2
	10/2/2019	4.0 U	0.5 U	1.1	1.4
	6/3/2020	4.0 U	0.5 U	1.3	1.6
VALLEY WATER CO. WELL 02					
	5/7/2019	4.0 U	0.5 U	0.6	0.5 U
	6/4/2019	4.0 U	0.5 U	0.8	0.8
	7/2/2019	4.0 U	0.5 U	0.8	0.7
	9/3/2019	4.0 U	0.5 U	0.5 U	0.6
	10/2/2019	4.0 U	0.5 U	0.5	0.7
	5/7/2020	4.0 U	0.5 U	0.5 U	0.5 U
	6/3/2020	4.0 U	0.5 U	0.6	0.8
VALLEY WATER CO. WELL 03					
	5/7/2019	4.0 U	0.5 U	0.7	0.5 U
	6/4/2019	4.0 U	0.5 U	0.6	0.5 U
	7/2/2019	4.0 U	0.5 U	0.5 U	0.5 U
	9/3/2019	4.0 U	NA	NA	NA
	5/7/2020	4.0 U	0.5 U	1.2	0.6
	6/3/2020	4.0 U	0.5 U	1.0	0.5 U
VALLEY WATER CO. WELL 04					
	5/7/2019	4.0 U	0.5 U	0.7	0.5 U
	6/4/2019	4.0 U	0.5 U	1.0	0.9
	9/3/2019	4.0 U	0.5 U	1.5	1.3
	10/2/2019	4.0 U	0.5 U	1.2	1.4
	5/7/2020	4.0 U	0.5 U	2.0	1.5
	6/3/2020	4.0 U	0.5 U	2.2	1.8
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				