

Charnock Annual Groundwater Monitoring Report (January – June 2020)

Prepared for:

**City of Santa Monica
Water Resources Division
Santa Monica, California**

July 15, 2020

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Advisian
WorleyParsons Group



**CHARNOCK ANNUAL
GROUNDWATER MONITORING REPORT
(January 1 to June 30, 2020)
Charnock Sub-Basin; Los Angeles, California**

Prepared for:

City of Santa Monica
Santa Monica, California

Prepared by:

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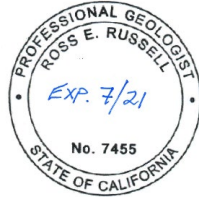
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Project No. 169001 2325

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1.0 Introduction

The results of the Charnock groundwater monitoring program for January – June 2020 are presented in this annual groundwater monitoring report. The groundwater monitoring program was conducted in January 2020 on behalf of the City of Santa Monica (the City). In first quarter 2019, the City initiated the Charnock Groundwater Management Program to be conducted during the period from 2019-2023. This program includes the annual and semiannual monitoring of the Charnock regional monitoring wells in accordance with revised monitoring program referenced in the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB) letter dated May 22, 2018, as described below. The 2020 annual sampling event was conducted in January 2020, and the results are presented in this report.

The sampling of the Charnock regional wells, including this annual sampling event, has been conducted in accordance with the modified schedule described in the LARWQCB's letter dated March 5, 2007. In May 2018, the City provided recommendations to refocus the regional well monitoring program to reflect current conditions following operation of the Charnock Well Field since December 2010 (Ramboll 2018). The LARWQCB concurred with the recommended modifications to the groundwater monitoring program in a letter dated May 22, 2018. The sampling of the Charnock regional wells during this annual event was conducted in accordance with the updated groundwater monitoring schedule. Table 1a presents the monitoring schedule for the 2020 annual and semiannual sampling events. The analytical program, which has not been modified, is summarized in Table 1b.

The annual groundwater sampling event described in this report was conducted from January 15 through 24, 2020. Field work performed included:

- Measurement of groundwater elevations in 52 monitoring wells (48 regional monitoring wells and 4 monitoring wells located at the Charnock Well Field) was conducted on January 15, 2020 (see Table 1a); and
- Sampling and chemical analysis of groundwater from 15 of the 52 monitoring wells and piezometers scheduled for annual sampling parameters was conducted from January 21 through 24, 2020 (see Table 1b).

Eleven shallow regional monitoring wells (RMW-4A, RMW-7, RMW-10, RMW-12, RMW-16A, RMW-18, RMW-24, RMW-29, RMW-31, RMW-48, and RMW-51) and two shallow regional piezometers (RPZ-4 and RPZ-7) were found to be dry during the annual sampling event. Data presented and discussed in this report were collected from selected regional wells. A summary of well construction data for regional wells, including the date the well was completed, the total depth of the well, and well construction details, are provided in Table 2. Regional monitoring well and regional piezometer locations are shown on Figures 1a and 1b.

Each well was purged and sampled using low-flow methods with disposable tubing and bladders. During purging, field parameter measurements were obtained using a flow-through cell. Field parameter measurements are provided in Appendix A. During the annual sampling, each of the 15 wells were sampled for the full range of volatile organic compounds (VOCs) and tentatively identified compounds (TICs), including fuel oxygenates, the fuel constituents

benzene, toluene, ethylbenzene, and xylenes (BTEX), 1,2,4- and 1,3,5-trimethylbenzene (TMB), and total petroleum hydrocarbons reported as TPH-gasoline (C₆–C₁₂ range) and TPH-gasoline (C₄–C₁₂ range).

In addition, first quarter 2020 groundwater elevations, methyl tert-butyl ether (MTBE) concentration data and tert-butyl alcohol (TBA) concentration data from other fuel leak sites available from the state Geotracker database are posted on the appropriate figures in this report. The locations of fuel leak sites within the Charnock Sub-Basin are shown on Figure 1c. According to information in the state Geotracker database, nineteen sites have been closed and four sites remain open. The sites that have been closed are labelled on Figure 1c. First quarter 2020 data are available for all four sites: the Abrams Shell (January 2020 data) and Mobil 18-FX5 (March 2020 data) sites located near the Sepulveda/Venice intersection, the Exxon 7-9477 site (March 2020 data) located near the Sawtelle/Venice intersection, and the Thrifty 247 site (March 2020 data) located near the Sepulveda/Palms intersection.

Charnock Well Field wells KMX-1 and KMX-2 were found to be dry on January 15, 2020.

2.0 Groundwater Occurrence

2.1 Hydrogeology

Perched groundwater zones are present above the regional aquifer in many parts of the Charnock Sub-Basin. The depth to regional groundwater currently ranges between approximately 91 and 169 feet below ground surface. Following shutdown of the Charnock well fields in 1996, quarterly and semiannual water level data from the regional wells indicated rising regional groundwater elevations as the Charnock Sub-Basin refilled. The City's Charnock Well Field began operating again in mid-December 2010, and regional groundwater levels have been decreasing since that time.

The Shallow Aquifer ranges from approximately 15 to 80 feet thick. It consists of predominantly fine to medium grained sands and silty sands of marine origin, with localized intervals of coarse sand and gravelly sand. This zone is an aquifer when and where saturated. At Sepulveda/Venice, the Shallow Aquifer extended up into the recent alluvium that overlies the marine sands during the period when the well fields were not operating. However, during periods of relatively high groundwater extraction, the Shallow Aquifer has likely been dewatered in the vicinity of the City and Southern California Water Company (SCWC) Charnock well fields. In the absence of well field pumping, the overall direction of groundwater flow is to the southeast. Calculated average bulk horizontal seepage velocities range from approximately 110 feet/year north of Venice to approximately 145 feet/year north of the City's Charnock well field, and approximately 30 feet/year in the vicinity of the Sepulveda/Washington where the groundwater gradient flattens.

The Shallow Aquifer is underlain by the Shallow Aquitard. Where present, the Shallow Aquitard consists of predominantly fine-grained sediment, but in some areas contains interbeds of silty sand. At some locations, transitional silts and silty sands are present above or below the aquitard unit.

The deeper Silverado Aquifer is comprised of the Upper Silverado Aquifer and the Lower Silverado Aquifer. The Silverado Aquitard separates the Upper Silverado and the Lower Silverado Aquifers. Calculated average bulk horizontal seepage velocities in the Upper Silverado Aquifer range between approximately 100 and 110 feet/year north of Venice, and approximately 30 feet/year in the vicinity of the Sepulveda/Washington where the groundwater gradient flattens. Overall, the Silverado Aquifer consists primarily of fine to medium-grained sand, silty sand, and sandy silt with some localized intervals of coarse sand. It ranges from about 70 to 270 feet thick and is offset by the Charnock and Overland Avenue Faults. It is generally the uppermost water-producing zone within the Charnock Sub-Basin during periods of relatively heavy groundwater extraction. Most deep water supply wells are screened in the Silverado Aquifer, and many wells are terminated at its base.

2.2 Water Level Measurements

Water levels were measured in the regional monitoring wells on January 15, 2020. The Charnock Well Field resumed operation in mid-December 2010. Production well Charnock 15 was decommissioned in December 2012 and replaced with new well Charnock 20. Production wells Charnock 13, Charnock 16, Charnock 18, Charnock 19, and Charnock 20 were all operating in January 2020 (Charnock 19 was temporarily offline from January 1 thru 5). A Durham Geoslope water level indicator was used to obtain the water level measurements. Measurements at each well were made twice from a referenced survey point on the well casing and recorded on the Water Level Measurements Log. Water level field procedures are provided in Appendix B.

The City provides groundwater elevation data to the California Department of Water Resources (DWR) California Statewide Groundwater Elevation Monitoring (CASGEM) program on a regular basis. A total of 12 regional monitoring wells have been designated for inclusion in this program by the DWR. These include Upper Silverado Aquifer wells (RMW-9, RMW-13, RMW-14, RMW-17, RMW-21, RMW-23, RMW-28, RMW-30, RMW-49, RMW-50, RMW-52, RMW-54). Starting in Fall of 2001, all data required under the CASGEM program has been uploaded to the CASGEM database in accordance with DWR's requirements.

2.2.1 Shallow Aquifer

Tabulated water level measurement data for Shallow Aquifer wells are listed in Table 3a. In January 2020, the general groundwater flow direction in the area monitored by the regional Shallow Aquifer wells was northwest, toward the Charnock Well Field. Between July 2019 and January 2020, water levels in the subset of regional Shallow Aquifer wells measured in both July and January decreased an average of 0.16 feet, largely in response to pumping at the Charnock Well Field. Shallow Aquifer wells RMW-4A, RMW-7, RMW-10, RMW-12, RMW-16A, RMW-18, RMW-24, RMW-29, RMW-31, RMW-48, and RMW-51, and piezometers RPZ-4 and RPZ-7 were dry in January 2020. A thin zone of perched groundwater is now present in well RMW-53. A groundwater level was recorded in piezometer RPZ-9, but it is considered anomalous as RPZ-9 has been dry since January 2016. The groundwater elevations for regional wells are shown on Figure 2a.

2.2.2 Silverado Aquifer

Tabulated water level measurement data for Upper Silverado and Lower Silverado Aquifer wells are listed in Tables 3b and 3c, respectively. In January 2020, the general groundwater flow direction in the area monitored by the regional Silverado Aquifer wells ranged from southwest to northeast, flowing radially toward the Charnock Well Field. Between July 2019 and January 2020, water levels in the subset of regional Silverado Aquifer wells measured in both July and January decreased an average of 0.26 feet, largely in response to pumping at the Charnock Well Field. The groundwater elevations for regional wells are shown on Figures 3a.

3.0 Groundwater Analytical Results

Groundwater samples were collected from 15 of the 52 monitoring wells and piezometers scheduled for annual sampling from January 21 through 24, 2020. Groundwater sampling field procedures are described in Appendix C. Groundwater samples were collected, stored, and shipped in accordance with chain-of-custody protocol. Purge water generated was stored temporarily in a 55-gallon DOT approved drum and handled in accordance with local, state, and federal waste disposal regulations.

3.1 Groundwater Samples

During the annual sampling event, groundwater samples were delivered within 24 hours of collection to Eurofins Calscience Irvine (Calscience; formerly Eurofins TestAmerica Laboratories, Inc.), a California State-certified laboratory located in Irvine, California. For the annual sampling program, groundwater samples, including two duplicates, were analyzed in accordance with EPA Method 8260B for fuel constituents including BTEX and the fuel oxygenates MTBE, TBA, tert-amyl methyl ether (TAME), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), ethanol, 1,2,4-TMB, and 1,3,5-TMB; and EPA Method 8015B(M) for total petroleum hydrocarbons reported as TPH-gasoline (C₆–C₁₂ range), and TPH-gasoline (C₄–C₁₂ range). Primary and secondary Maximum Contaminant Levels (MCLs) for drinking water and other criteria established by the California Department of Health Services (DHS) for these compounds are shown in Table 4, where available. MCLs or other criteria have not been established for DIPE, ETBE, TAME, ethanol, and TPH-gasoline.

Groundwater analytical results for the annual sampling event, including duplicates, are summarized in Table 5a (fuel constituents). Results for VOCs are presented in Table 6a. Complete laboratory reports and Quality Assurance/Quality Control (QA/QC) reports for the January 2020 sampling event are attached in Appendix D.

Calscience met the project-specific laboratory reporting limits, or Estimated Quantitation Limits (EQLs) (as specified in Del Mar Analytical's Quality Assurance Project Plan [QAPP] [see Table 2, revised 9/21/00, of the Del Mar QAPP included in ENVIRON 2000b]). The EQLs for each compound are shown in the data tables. Detected concentrations that are below the EQLs but above the Method Detection Limits (MDLs) are considered semi-quantitative by the laboratory. These concentrations are therefore flagged 'J' in Tables 5a, 5b, 6a, and 6b, meaning that the data are estimated. Concentrations above the EQLs may also be qualified with a 'J' flag based on the data validation review of the laboratory calibration and quality control samples.

3.1.1 Perched Groundwater Zones

Perched groundwater zones are present beneath fuel leak sites located near the Sepulveda/Palms intersection and the Sawtelle/Venice intersection. MTBE and TBA data for the Exxon 7-9477 site and the Thrifty 247 site available from the state Geotracker database are displayed on Figures 4a and 5a, respectively. The Thrifty 247 site is located near the Sepulveda/Palms intersection. The Exxon 7-9477 site is located near the Sawtelle/Venice intersection and the most recent available data are from monitoring conducted in March 2020. The highest reported

MTBE concentration was 1,010 µg/L in well MW-07 on the Thrifty 247 site. The highest reported TBA concentration was 15,000 µg/L in well MW-3A on the Exxon 7-9477 site.

3.1.2 Shallow Aquifer

Sampling of the regional Shallow Aquifer wells has been discontinued (see Table 1a). Available MTBE and TBA concentrations in the Shallow Aquifer wells sampled at the fuel leak sites are presented on Figures 4b and 5b, respectively. The Exxon 7-9477 site is located near the Sawtelle/Venice intersection and the most recent available data are from monitoring conducted in March 2020. The Abrams Shell site is located near the Sepulveda/Venice intersection and the most recent available data are from monitoring conducted in January 2020. The Mobil 18-FX5 site is located near the Sepulveda/Venice intersection and the most recent available data are from monitoring conducted in March 2020. The highest reported MTBE concentration was 4.4 µg/L in well MW-15S. The highest reported TBA concentration was 120 µg/L, also in well MW-15S.

3.1.3 Upper Silverado Aquifer

MTBE concentrations in the Upper Silverado Aquifer wells are presented in Table 5a and Figure 4c. MTBE was detected above the EQL (0.50 µg/L) in seven of the 15 Upper Silverado Aquifer wells sampled. MTBE was detected at concentrations ranging from 0.52 µg/L to 4.6 µg/L. MTBE was also detected at concentrations below the EQL in wells RMW-9 (0.29 µg/L, 'J' qualified) and RMW-50 (0.42 µg/L, 'J' qualified). MTBE was not detected at or above the secondary MCL of 5 µg/L in any of the 15 sampled wells.

TBA was detected in two of the 15 wells sampled. TBA was detected in well RMW-6 above the EQL of 10 µg/L at a concentration of 140 µg/L. The TBA concentration in well RMW-50 was 8.0 µg/L ('J' qualified). There is one available criterion for TBA, a California DPH Notification Level of 12 µg/L.

TPH-gasoline was detected above the EQL of 50 µg/L in two of the 15 wells sampled. In well RMW-14, both TPH-gasoline (C₄-C₁₂) and TPH-gasoline (C₆-C₁₂) were detected above the EQL at concentrations of 77 µg/L and 84 µg/L, respectively. In well RMW-19, TPH-gasoline (C₄-C₁₂) was detected above the EQL at a concentration of 100 µg/L. TPH-gasoline (C₄-C₁₂) was also detected in three wells at concentrations below the EQL, and TPH-gasoline (C₆-C₁₂) was detected below the EQL in two wells. Concentrations below the EQL ranged from 27 ('J' qualified) to 39 µg/L ('J' qualified). TPH-gasoline was not detected in 10 of the 15 wells sampled. No MCLs or other criteria have been established for TPH-gasoline.

No fuel oxygenates (TAME, DIPE, ETBE, or ethanol), benzene, or ethylbenzene were detected above their respective EQLs in any of the Upper Silverado Aquifer wells. Ethylbenzene was detected in two wells at concentrations below the EQL of 0.50 µg/L.

Five fuel constituents (1,2,4-TMB, 1,3,5-TMB, toluene, m,p-xylenes and o-xylene) were detected above their EQLs in one or more wells. 1,2,4-TMB was detected above the EQL of 0.50 µg/L in four wells at concentrations ranging from 0.51 µg/L to 6.7 µg/L. 1,2,4-TMB was also detected in 7 wells below the EQL at concentrations ranging from 0.25 µg/L ('J' qualified) to 0.42 µg/L ('J' qualified). 1,3,5-TMB was detected above the EQL of 0.50 µg/L in well RMW-14

(1.8 µg/L) and below the EQL in well RMW-28 (0.47 µg/L ('J' qualified)). Toluene was detected at or above the EQL of 0.50 µg/L in two wells (RMW-28, 0.86 µg/L; and RMW-14, 0.50 µg/L), and below the EQL in one well (RMW-17, 0.34 µg/L, 'J' qualified). Both m,p-xylenes and o-xylene were detected above their EQLs in three wells at concentrations ranging from 0.76 µg/L to 4.1 µg/L. m,p-Xylenes were also detected at concentrations below the EQL of 1.0 µg/L in two wells, and o-xylene was detected at concentrations below the EQL of 0.50 µg/L in five wells.

VOCs were detected above regulatory criteria in five of the 15 Upper Silverado Aquifer wells sampled (see Table 6a).

- In well RMW-3, TCE was detected at a concentration of 10 µg/L, which is above its MCL of 5 µg/L. Chloroform, 1,2-DCA, and 1,1-DCE were detected in the same well at concentrations of 1.1 µg/L, 0.70 µg/L, and 1.5 µg/L respectively.

Cis-1,2-DCE was detected above its MCL of 6 µg/L in four wells: RMW-19, RMW-13, RMW-23, and RMW-11.

- In well RMW-19, cis-1,2-DCE was detected at a concentration of 65 µg/L. TCE (9.5 µg/L) and vinyl chloride (0.64 µg/L) were also detected at concentrations above their MCLs, and PCE was detected below its EQL at a concentration of 0.37 µg/L ('J' qualified).
- In well RMW-13, cis-1,2-DCE was detected at a concentration of 16 µg/L. One other VOC was detected at a concentration above its EQL (trans-1,2-DCE at 0.53 µg/L).
- In well RMW-23, cis-1,2-DCE was detected at a concentration of 15 µg/L. Two other VOCs were detected at concentrations below their EQLs: TCE at 0.32 µg/L ('J' qualified); and 1,2-DCA at 2.6 µg/L ('J' qualified).
- In well RMW-11, cis-1,2-DCE was detected at a concentration of 13 µg/L. One other VOC was detected in this well at a concentration above its EQL (TCE at 0.52 µg/L).

In three wells, cis-1,2-DCE was detected at concentrations below the MCL (6 µg/L) but above the EQL (0.50 µg/L). These wells were RMW-9 (0.63 µg/L), RMW-21 (1.2 µg/L in both the primary and duplicate samples), and RMW-49 (3.9 µg/L). No other VOCs were detected in these three wells.

In well RMW 14, three VOCs were detected at concentrations below their EQLs: cis-1,2-DCA, 0.48 µg/L ('J' qualified); n-propylbenzene, 0.41 µg/L ('J' qualified); and naphthalene, 0.72 µg/L ('J' qualified).

VOCs were not detected in six of the 15 wells sampled: RMW-6, RMW-17, RMW-28, RMW-30 (both primary and duplicate samples), RMW-50, and RMW-54.

One TIC was reported this reporting period. As shown in Table 7, 1-methyl-2-ethylbenzene was reported at a concentration on 3.8 µg/L ('J' qualified) in well RMW-14.

3.1.4 Lower Silverado Aquifer

No Lower Silverado Aquifer wells were sampled during the annual groundwater monitoring event.

3.1.5 Summary of Unusual Data Trends

The Charnock Well Field resumed operation in mid-December 2010. Overall, groundwater levels decreased by approximately 0.26 feet between July 2019 and January 2020. Eleven shallow regional monitoring wells (RMW-4A, RMW-7, RMW-10, RMW-12, RMW-16A, RMW-18, RMW-24, RMW-29, RMW-31, RMW-48, and RMW-51), two shallow regional piezometers (RPZ-4 and RPZ-7), and two Charnock Well Field wells (KMX-1 and KMX-2) were found to be dry. In addition, a thin zone of perched groundwater is now present in shallow well RMW-53. A groundwater level recorded in shallow regional piezometer RPZ-9 in January 2020 is considered anomalous as RPZ-9 has been dry since January 2016. The overall groundwater flow direction in the absence of pumping at the well field is toward the southeast. In January 2020, the groundwater flow directions in the area between the Sepulveda/Palms and Sepulveda/Venice intersections ranged from southwest to northeast, flowing radially toward the well field. There were no unusual analytical data trends observed in the January-June 2020 annual sampling data. Changes in regional monitoring well concentrations may be observed during future sampling events in response to the well field pumping.

3.2 Field Quality Control Samples

3.2.1 Duplicate Samples

Duplicate groundwater samples were collected to evaluate the precision of the overall sampling and analytical procedures. Table 9 presents the duplicate sample results for compounds that were detected in both the primary and duplicate samples. For each compound, the relative percent difference (RPD) was calculated for each duplicate pair and compound to illustrate the precision achieved. The RPDs in Table 9 were calculated by dividing the difference between the results by the average of the results.

The RPD shown in Table 9 indicates that overall precision between duplicate pairs is good. The RPDs for five duplicate pairs ranged from 0 to 10 percent, with one higher RPD of 18 percent between two 'J' qualified results for 1,2,4-trimethylbenzene.

3.2.2 Field Blank Samples

QC field blank samples collected during the annual sampling, including four trip blanks, two atmospheric blanks, and two equipment rinsate blanks, were delivered to the laboratory along with the groundwater samples for analysis. All QC samples collected were analyzed in accordance with EPA Method 8260B. QC sample analytical results are summarized in Tables 5b and 6b.

No compounds were detected above their respective EQLs in the QC samples collected.

3.3 Data Quality Review

Data validation under USEPA Level II and Level IV guidelines was performed by Laboratory Data Consultants, Inc. of Carlsbad, California. Level IV data validation was performed on the samples collected from wells RMW-9, RMW-14, RMW-17, RMW-28, RMW-30, and RMW-54. A summary of qualified data is presented in Tables 10 and 11. Overall, QA/QC criteria

established in ENVIRON's QAPP (ENVIRON 2000a) were met for the annual sampling conducted in January 2020.

4.0 References

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T A B L E S

TABLE 1a. GROUNDWATER MONITORING SCHEDULE FOR CHARNOCK REGIONAL MONITORING WELLS

Charnock Sub-Basin; Los Angeles, California

<u>Month of sampling (a):</u>			<u>ANNUAL</u> January 2020 (Q1/ Q2)	<u>SEMIANNUAL</u> July 2020 (Q3/ Q4)
Regional Well or Piezometer	Water Levels (c)	Updated Sampling Frequency (c)	Volatile Organic Compounds [1]	Fuel Parameters [2]
Shallow Aquifer Wells				
RMW-4A	Semiannual (b)	Discontinue	--	--
RMW-7	Semiannual	Discontinue	--	--
RMW-10	Semiannual (b)	Discontinue	--	--
RMW-12	Semiannual (b)	Discontinue	--	--
RMW-16A	Semiannual (b)	Discontinue	--	--
RMW-18	Semiannual (b)	Discontinue	--	--
RMW-20	Semiannual	Discontinue	--	--
RMW-22	Semiannual	Discontinue	--	--
RMW-24	Semiannual (b)	Discontinue	--	--
RMW-25	Semiannual	Discontinue	--	--
RMW-27	Semiannual	Discontinue	--	--
RMW-29	Semiannual (b)	Discontinue	--	--
RMW-31	Semiannual (b)	Discontinue	--	--
RMW-33	Semiannual	Discontinue	--	--
RMW-48	Semiannual	Discontinue	--	--
RMW-51	Semiannual (b)	Discontinue	--	--
RMW-53	Semiannual	Discontinue	--	--
RMW-55	Semiannual	Discontinue	--	--
RMW-57	Semiannual	Discontinue	--	--
RMW-59	Semiannual	Discontinue	--	--
RPZ-4	Semiannual (b)	Discontinue	--	--
RPZ-7	Semiannual (b)	Discontinue	--	--
RPZ-9	Semiannual (b)	Discontinue	--	--
Shallow/ Upper Silverado Aquifer Wells				
KMX-MW-1	Semiannual	Annual	KMX-MW-1	--
KMX-MW-2	Semiannual	Annual	KMX-MW-2	--
KMX-MW-3	Semiannual (b)	Discontinue	--	--
KMX-MW-4	Semiannual (b)	Discontinue	--	--
Upper Silverado Aquifer Wells				
RMW-3	Semiannual	Annual	RMW-3	--
RMW-5	Semiannual	Discontinue	--	--
RMW-6	Semiannual	Annual	RMW-6	--
RMW-9	Semiannual	Semiannual	RMW-9	RMW-9
RMW-11	Semiannual	Annual	RMW-11	--
RMW-13	Semiannual	Semiannual	RMW-13	RMW-13
RMW-14	Semiannual	Semiannual	RMW-14	RMW-14

TABLE 1a. GROUNDWATER MONITORING SCHEDULE FOR CHARNOCK REGIONAL MONITORING WELLS

Charnock Sub-Basin; Los Angeles, California

<u>Month of sampling (a):</u>			<u>ANNUAL</u> January 2020 (Q1/ Q2)	<u>SEMIANNUAL</u> July 2020 (Q3/ Q4)
Regional Well or Piezometer	Water Levels (c)	Updated Sampling Frequency (c)	Volatile Organic Compounds [1]	Fuel Parameters [2]
RMW-17	Semiannual	Semiannual (d)	RMW-17	RMW-17
RMW-19	Semiannual	Annual	RMW-19	--
RMW-21	Semiannual	Semiannual	RMW-21	RMW-21
RMW-23	Semiannual	Semiannual	RMW-23	RMW-23
RMW-28	Semiannual	Semiannual	RMW-28	RMW-28
RMW-30	Semiannual	Semiannual	RMW-30	RMW-30
RMW-32	Semiannual	Discontinue	--	--
RMW-49	Semiannual	Semiannual	RMW-49	RMW-49
RMW-50	Semiannual	Semiannual	RMW-50	RMW-50
RMW-52	Semiannual	Semiannual	RMW-52	RMW-52
RMW-54	Semiannual	Semiannual	RMW-54	RMW-54
RMW-56	Semiannual	Discontinue	--	--
RMW-58	Semiannual	Discontinue	--	--
RPZ-5	Semiannual	Every 3 years	--	--
RPZ-6	Semiannual	Every 3 years	--	--
RPZ-8	Semiannual	Every 3 years	--	--
Lower Silverado Aquifer Wells				
RMW-8	Semiannual	Every 3 years	--	--
RMW-15	Semiannual	Every 3 years	--	--
Total Wells Sampled (a):			18	12
Total Wells Sampled every 3 years beginning in 2018:				23

Notes:

- VOCs (including fuel parameters) by EPA Method 8260B, and volatile fuel hydrocarbons (C4-C12 and C6-C12) by DHS LUFT Method or EPA 8015B(M).
- Fuel constituents and oxygenates by EPA Method 8260B, and volatile fuel hydrocarbons (C4-C12 and C6-C12) by DHS LUFT Method or EPA 8015B(M). Depending on DPH requirements, the full suite of VOCs may be tested for during a July sampling event.
- Annual monitoring reports are due to the LARWQCB on July 15 every year.
- Semiannual monitoring reports are due to the LARWQCB on January 15 every year.
 - The current sampling event and next months of future scheduled sampling are shown.
 - Inspect well head condition; confirm well remains dry.
 - Water level monitoring and well sampling frequencies were updated in May 2018.
 - Well sampling frequency revised from annual to semiannual in February 2019.

TABLE 1b. GROUNDWATER ANALYTICAL TESTING PROGRAM FOR REGIONAL MONITORING WELLS
Charnock Sub-Basin; Los Angeles, California

Analytical Parameters	Analytical Method
Annual Monitoring Parameters	
Volatile Organic Compounds (VOCs)	EPA Method 8260B (see note 1)
TPH-gasoline (C4-C12)	DHS LUFT Method or EPA 8015B(M)
TPH-gasoline (C6-C12)	DHS LUFT Method or EPA 8015B(M)
Semiannual Monitoring - Fuel Parameters	
MTBE	EPA Method 8260B
TBA	EPA Method 8260B
TAME	EPA Method 8260B
DIPE	EPA Method 8260B
ETBE	EPA Method 8260B
1,2,4-Trimethylbenzene	EPA Method 8260B
1,3,5-Trimethylbenzene	EPA Method 8260B
Ethanol	EPA Method 8260B
Benzene	EPA Method 8260B
Ethylbenzene	EPA Method 8260B
Toluene	EPA Method 8260B
m,p-Xylenes	EPA Method 8260B
o-Xylenes	EPA Method 8260B
Total Xylenes	EPA Method 8260B
TPH-gasoline (C4-C12)	DHS LUFT Method or EPA 8015B(M)
TPH-gasoline (C6-C12)	DHS LUFT Method or EPA 8015B(M)

Notes:

TPH = Total Petroleum Hydrocarbons

EPA = United States Environmental Protection Agency

- (1) VOC analyte list to include all EPA Method 8260B fuel parameters;
Tentatively Identified Compounds (TICs) to be reported.

TABLE 2. SUMMARY OF WELL CONSTRUCTION DATA FOR REGIONAL MONITORING WELLS AND PIEZOMETERS
Charnock Sub-Basin; Los Angeles, California

Well Number	Date Construction Completed	Depth of Well Elevation (ft msl)	Depth of Well* (ft bgs)	Screened Elevation (ft msl)	Screened Interval* (ft bgs)	Well Casing Nominal Diameter (inches)	Well Casing Material	Well Screen Material	Screen Slot Size (inches)	Filter Pack Elevation (ft msl)	Filter Pack Interval* (ft bgs)
<u>Thrifty site (Sepulveda & Palms)</u>											
RMW-1	3/7/1997	-33.0	158.5	-5.5 to -31.5	131.0 - 157.0	5	Sch. 80 PVC	Type 304 SS	0.01	0.5 to -33.0	125.0 - 158.5
RMW-2A	3/26/1997	-130.2	255.0	-110.2 to -130.2	235.0 - 255.0	5	Sch. 80 PVC	Type 304 SS	0.02	-105.2 to -130.2	230.0 - 255.0
<u>Mar Vista Park</u>											
RMW-3	4/4/1997	-96.9	202.0	-74.4 to -94.4	179.5 - 199.5	5	Sch. 80 PVC	Type 304 SS	0.02	-65.9 to -96.9	171.0 - 202.0
RMW-4A	4/25/1997	-42.8	148.5	-2.3 to -42.3	108.0 - 148.0	4	Sch. 40 PVC	Type 304 SS	0.02	1.2 to -42.8	104.5 - 148.5
PZ-1	4/10/1997	50.8	54.0	66.8 to 51.8	38.0 - 53.0	2	Sch. 40 PVC	Sch. 40 PVC	0.02	68.8 to 50.8	36.0 - 54.0
PZ-2	4/16/1997	32.6	72.0	42.6 to 32.6	62.0 - 72.0	2	Sch. 40 PVC	Sch. 40 PVC	0.02	44.6 to 32.6	60.0 - 72.0
PZ-3	4/22/1997	15.5	89.5	26.0 to 16.0	79.0 - 89.0	2	Sch. 40 PVC	Sch. 40 PVC	0.02	29.0 to 15.5	76.0 - 89.5
<u>Tuller Avenue north of Venice</u>											
RMW-5	4/11/1997	-87.1	147.0	-74.1 to -84.1	134.0 - 144.0	5	Sch. 80 PVC	Type 304 SS	0.01	-71.1 to -87.1	131.0 - 147.0
RMW-6	4/18/1997	-64.3	124.4	-52.4 to -61.9	112.5 - 122.0	5	Sch. 80 PVC	Type 304 SS	0.02	-49.9 to -64.3	110.0 - 124.4
RMW-7	4/30/1997	-43.2	103.0	-11.7 to -41.7	71.5 - 101.5	4	Sch. 40 PVC	Type 304 SS	0.02	-10.2 to -43.2	70.0 - 103.0
<u>Corinth Avenue</u>											
RMW-8	07/09/1997	-178.9	271.5	-147.4 to -176.9	240.0 - 269.5	5	Sch. 80 PVC	Type 304 SS	0.02	-142.4 to -178.9	235.0 - 271.5
RMW-9	07/14/1997	-93.4	186.0	-71.4 to -91.4	164.0 - 184.0	5	Sch. 80 PVC	Type 304 SS	0.03	-66.4 to -93.4	159.0 - 186.0
RMW-10	06/30/1997	-45.0	137.5	-24.0 to -44.0	116.5 - 136.5	4	Sch. 40 PVC	Type 304 SS	0.01	-21.5 to -45.0	114.0 - 137.5
<u>Globe & Regent</u>											
RMW-11	12/9/1997	-72.1	181.5	-56.6 to -71.1	166.0 - 180.5	5	Sch. 80 PVC	Type 304 SS	0.02	-53.6 to -72.1	163.0 - 181.5
RMW-12	12/18/1997	-36.9	146.0	-5.9 to -35.4	115.0 - 144.5	4	Sch. 40 PVC	Type 304 SS	0.02	-2.9 to -36.9	112.0 - 146.0
<u>Globe between Regent and Charnock</u>											
RMW-48	3/29/2001	-49.3	157.5	-32.8 to -47.8	141.0 - 156.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-31.8 to -49.3	140.0 - 157.5
RMW-49	3/27/2001	-71.2	179.5	-54.7 to -69.7	163.0 - 178.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-54.2 to -71.2	162.5 - 179.5
<u>Globe between Regent and Venice</u>											
RMW-19	10/4/2000	-69.1	131.1	-53.0 to -68.0	115.0 - 130.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-50.4 to -69.1	112.4 - 131.1
RMW-20	10/10/2000	-80.9	111.2	-33.0 to -48.0	95.0 - 110.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-30.8 to -49.2	92.8 - 111.2
<u>Globe & Charnock</u>											
RMW-23	11/9/2000	-78.8	186.5	-62.4 to -77.4	170.1 - 185.1	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-59.33 to -78.83	167.0 - 186.5
RMW-24	11/7/2000	-43.2	151.0	-27.5 to -42.5	135.3 - 150.3	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-25.2 to -43.2	133.0 - 151.0

TABLE 2. SUMMARY OF WELL CONSTRUCTION DATA FOR REGIONAL MONITORING WELLS AND PIEZOMETERS
Charnock Sub-Basin; Los Angeles, California

Well Number	Date Construction Completed	Depth of Well Elevation (ft msl)	Depth of Well* (ft bgs)	Screened Elevation (ft msl)	Screened Interval* (ft bgs)	Well Casing Nominal Diameter (inches)	Well Casing Material	Well Screen Material	Screen Slot Size (inches)	Filter Pack Elevation (ft msl)	Filter Pack Interval* (ft bgs)
<u>Alleyway bordered by Sawtelle, Globe, and Regent</u>											
RMW-25	7/16/2001	-51.01	113.6	-21.0 to -51.0	83.5 - 113.5	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-19.0 to -51.0	81.5 - 113.6
<u>Sawtelle between Tabor and Charnock</u>											
RMW-13	5/13/1998	-86.3	188.0	-63.3 to -82.3	165.0 - 184.0	5	Sch. 80 PVC	Type 304 SS	0.02	-60.3 to -86.3	162.0 - 188.0
RMW-27	1/23/2001	-56.5	158.0	-40.0 to -55.0	141.5 - 156.5	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-37.6 to -56.5	139.0 - 158.0
<u>Sawtelle between Charnock and Regent</u>											
RMW-21	12/12/2000	-73.2	179.0	-57.2 to -72.2	163.0 - 178.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-55.5 to -73.2	161.3 - 179.0
RMW-22	12/8/2000	-51.3	157.0	-35.3 to -50.3	141.0 - 156.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-32.3 to -51.3	138.0 - 157.0
<u>Sawtelle & Tabor</u>											
RMW-14	7/7/1998	-73.6	176.0	-60.6 to -70.6	163.0 - 173.0	5	Sch. 80 PVC	Type 304 SS	0.02	-58.6 to -73.6	161.0 - 176.0
RMW-15	7/30/1998	-149.6	252.0	-133.6 to -148.1	236.0 - 250.5	5	Sch. 80 PVC	Type 304 SS	0.02	-129.6 to -149.6	232.0 - 252.0
RMW-16A	8/10/1998	-51.7	154.0	-35.7 to -50.7	138.0 - 153.0	4	Sch. 40 PVC	Type 304 SS	0.02	-33.2 to -51.7	135.5 - 154.0
<u>Sawtelle & Westminster</u>											
RMW-17	7/29/1999	-78.6	182.0	-64.6 to -73.6	168.0 - 177.0	5	Sch. 80 PVC	Type 304 SS	0.02	-60.1 to -78.6	163.5 - 182.0
RMW-18	8/4/1999	-37.4	141.0	-24.9 to -34.4	128.5 - 138.0	5	Sch. 80 PVC	Type 304 SS	0.02	-20.9 to -37.4	124.5 - 141.0
<u>Sawtelle & Tabor</u>											
RMW-28	12/15/2000	-71.2	174.0	-54.3 to -69.3	157.0 - 172.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-52.2 to -71.2	155.0 - 174.0
RMW-29	12/20/2000	-49.6	152.0	-33.4 to -48.4	136.0 - 151.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-31.2 to -49.6	134.0 - 152.0
<u>Charnock & Tuller</u>											
RMW-30	7/6/2001	-73.9	185.0	-56.9 to -71.9	168.0 - 183.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-53.9 to -73.9	165.0 - 185.0
RMW-31	7/3/2001	-21.9	133.0	-4.4 to -14.4	115.0 - 125.5	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-1.4 to -21.9	112.5 - 133.0
<u>Butler between Charnock and Westminster</u>											
RMW-32	4/3/2001	-107.7	200.0	-90.7 to -105.7	183.0 - 198.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-89.7 to -107.7	182.0 - 200.0
RMW-33	4/5/2001	-62.2	154.5	-45.7 to -60.7	138.0 - 153.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-44.2 to -62.2	136.5 - 154.5
<u>Tuller between Charnock and Regent</u>											
RMW-50	4/10/2001	-81.3	193.0	-63.8 to -78.3	175.5 - 190.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-61.1 to -81.3	173.0 - 193.0
RMW-51	4/12/2001	-33.8	145.5	-16.8 to -31.3	128.5 - 143.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-14.3 to -33.8	126.0 - 145.5
<u>Sepulveda between Venice & Regent</u>											
RMW-52	7/27/2001	-52.8	121.5	-36.3 to -51.3	105.0 - 120.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-35.3 to -52.8	104.0 - 121.5
RMW-53	7/26/2001	-27.9	96.0	3.1 to -26.9	65.0 - 95.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	6.1 to -27.9	62.0 - 96.0

TABLE 2. SUMMARY OF WELL CONSTRUCTION DATA FOR REGIONAL MONITORING WELLS AND PIEZOMETERS
Charnock Sub-Basin; Los Angeles, California

Well Number	Date Construction Completed	Depth of Well Elevation (ft msl)	Depth of Well* (ft bgs)	Screened Elevation (ft msl)	Screened Interval* (ft bgs)	Well Casing Nominal Diameter (inches)	Well Casing Material	Well Screen Material	Screen Slot Size (inches)	Filter Pack Elevation (ft msl)	Filter Pack Interval* (ft bgs)
<u>Corinth between Charnock and Victoria</u>											
RMW-54	2/1/2006	-71.2	169.0	-56.2 to -70.7	154.0 - 168.5	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-54.2 to -74.2	152.0 - 172.0
RMW-55	2/3/2006	-47.7	145.5	-32.2 to -47.2	130.0 - 145.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-30.2 to -48.2	128.0 - 146.0
<u>Victoria between Purdue and Corinth</u>											
RMW-56	4/10/2006	-74.7	168.5	-59.2 to -74.2	153.0 - 168.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-56.7 to -76.2	150.5 - 170.0
RMW-57	4/12/2006	-51.5	143.5	-36.0 to -51.0	130.0 - 145.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-34.0 to -54.0	128.0 - 148.0
<u>Purdue Avenue near Regent</u>											
RMW-58	2/17/2006	-79.8	168.5	-64.3 to -79.3	153.0 - 168.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-61.3 to -81.3	150.0 - 170.0
RMW-59	2/22/2006	-54.8	143.5	-39.3 to -54.3	128.0 - 143.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-37.3 to -56.3	126.0 - 145.0
<u>Venice & Sepulveda</u>											
MWM-1	1/12/2000	-55.9	114.0	-44.9 to -54.9	103.0 - 113.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-41.9 to -55.9	100.0 - 114.0
MWM-2	1/20/2000	-62.0	123.0	-48.0 to -58.0	109.0 - 119.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-46.0 to -62.0	107.0 - 123.0
MWM-3	2/9/2000	-52.0	111.0	-41.0 to -51.0	100.0 to 110.0	5	Sch. 80 PVC	Sch. 80 PVC	0.02	-39.0 to -52.0	98.0 - 111.0
<u>Regent</u>											
RPZ-4	11/9/2000	-9.4	79.0	6.6 to -8.4	63.0 - 78.0	4	Sch. 80 PVC	Sch. 80 PVC	0.02	9.6 to -9.4	60.0 - 79.0
RPZ-5	11/21/2000	-41.1	110.5	-24.6 to -39.6	94.0 - 109.0	4	Sch. 80 PVC	Sch. 80 PVC	0.02	-22.4 to -41.1	92.0 - 110.5
<u>Queensland & Veteran</u>											
RPZ-6	12/19/2000	-61.3	212.0	-45.3 to -60.3	196.0 - 211.0	4	Sch. 80 PVC	Sch. 80 PVC	0.02	-43.3 to -61.3	194.0 - 212.0
RPZ-7	1/18/2001	-25.3	176.0	-8.8 to -24.8	159.5 - 175.5	4	Sch. 80 PVC	Sch. 80 PVC	0.02	-6.8 to -25.3	157.5 - 176.0
<u>Bently between Charnock and Venice</u>											
RPZ-8	5/23/2001	-54.0	113.0	-36.0 to -51.0	95.0 - 110.0	4	Sch. 80 PVC	Sch. 80 PVC	0.02	-33.5 to -54.0	92.5 - 113.0
RPZ-9	5/24/2001	-12.9	72.0	4.1 to -10.9	55.0 - 70.0	4	Sch. 80 PVC	Sch. 80 PVC	0.02	6.6 to -12.9	52.5 - 72.0

Notes:

ft bgs = feet below ground surface

ft msl = feet, mean sea level

PVC = polyvinyl chloride

SS = stainless steel

* Depths rounded to nearest 0.5 foot.

TABLE 3a. HISTORIC GROUNDWATER ELEVATIONS - SHALLOW AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin; Los Angeles, California

Well ID	RMW-1		RMW-4A		RMW-7		RMW-10		RMW-12		RMW-16A	
TOC	124.52		105.01		59.22		91.78		108.41		101.03 [1]	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
5/21/97	146.19	-21.67	125.49	-20.48	82.55	-23.33	--	--	--	--	--	--
7/21/97	143.70	-19.18	123.16	-18.15	79.87	-20.65	111.51	-19.73	--	--	--	--
10/27/97	140.31	-15.79	119.94	-14.93	76.36	-17.14	108.17	-16.39	--	--	--	--
2/9/98	137.28	-12.76	117.09	-12.08	73.37	-14.15	105.32	-13.54	122.62	-14.21	--	--
4/20/98	135.54	-11.02	115.29	-10.28	71.14	-11.92	103.27	-11.49	120.59	-12.18	--	--
7/27/98	132.73	-8.21	112.61	-7.60	67.78	-8.56	100.44	-8.66	117.33	-8.92	--	--
10/26/98	131.13	-6.61	111.36	-6.35	65.97	-6.75	99.21	-7.43	115.59	-7.18	108.90	-7.20
1/25/99	129.21	-4.69	109.27	-4.26	64.43	-5.21	97.17	-5.39	113.95	-5.54	106.87	-5.17
4/26/99	127.35	-2.83	107.33	-2.32	62.91	-3.69	95.26	-3.48	112.30	-3.89	105.30	-3.60
7/26/99	125.45	-0.93	105.41	-0.40	61.35	-2.13	93.65	-1.87	110.67	-2.26	103.24	-1.54
10/26/99	123.88	0.64	103.92	1.09	59.98	-0.76	92.20	-0.42	109.20	-0.79	101.78	-0.08
2/22/00	122.36	2.16	102.44	2.57	59.28	-0.06	90.91	0.87	108.22	0.19	100.35	1.35
4/25/00	121.28	3.24	101.32	3.69	58.50	0.72	89.89	1.89	107.26	1.15	99.35	2.35
7/25/00	120.14	4.38	100.23	4.78	57.63	1.59	88.83	2.95	106.36	2.05	98.26	3.44
10/30/00	119.16	5.36	99.28	5.73	57.06	2.16	88.83	2.95	105.55	2.86	97.35	4.35
1/22/01	118.23	6.29	98.32	6.69	56.28	2.94	87.12	4.66	104.67	3.74	96.39	5.31
4/24/01	117.24	7.28	97.32	7.69	55.33	3.89	86.14	5.64	103.73	4.68	95.48	6.22
7/24/01	116.36	8.16	96.39	8.62	54.22	5.00	85.11	6.67	102.77	5.64	94.57	7.13
10/23/01	115.48	9.04	95.44	9.57	53.63	5.59	84.42	7.36	102.40	6.01(a)	93.75	7.95
1/22/02	114.66	9.86	94.69	10.32	53.09	6.13	83.63	8.15	101.43	6.98	92.95	8.75
4/23/02	113.95	10.57	94.04	10.97	52.50	6.72	83.10	8.68	100.86	7.55	92.38	9.32
7/23/02	113.15	11.37	93.20	11.81	51.77	7.45	82.24	9.54	99.96	8.45	91.51	10.19
10/15/02	112.5	12.02	92.55	12.46	51.30	7.92	81.81	9.97	99.65	8.76	91.00	10.70
1/14/03	111.82	12.70	91.96	13.05	50.65	8.57	81.27	10.51	99.08	9.33	90.41	11.29
4/15/03	111.31	13.21	91.28	13.73	49.52	9.70	80.42	11.36	98.23	10.18	89.63	12.07
7/15/03	110.17	14.35	90.15	14.86	48.25	10.97	79.40	12.38	97.02	11.39	88.53	13.17
10/15/03	109.41	15.11	89.49	15.52	48.12	11.10	78.89	12.89	96.59	11.82	87.96	13.74
1/13/04	108.53	15.99	88.65	16.36	46.92	12.30	78.12	13.66	95.75	12.66	87.17	14.53
4/13/04	107.71	16.81	87.73	17.28	46.67	12.55	77.35	14.43	95.15	13.26	86.36	15.34
1/11/05	--	--	--	--	--	--	75.22	16.56	93.26	15.15	84.04	17.66
4/12/05	103.73	20.79	83.67	21.34	42.85	16.37	73.41	18.37	91.25	17.16	82.38	19.32
7/12/05	--	--	--	--	--	--	72.22	19.56	89.89	18.52	81.16	20.54
10/19/05	--	--	--	--	--	--	71.66	20.12	89.56	18.85	80.45	21.25
1/18/06	--	--	--	--	--	--	70.94	20.84	89.03	19.38	79.62	22.08
4/19/06	99.77	24.75	79.71	25.30	40.23	18.99	70.31	21.47	88.51	19.90	78.90	22.80
7/19/06	--	--	--	--	--	--	69.82	21.96	88.13	20.28	78.42	23.28
10/18/06	--	--	--	--	--	--	69.34	22.44	87.64	20.77	77.90	23.80
4/18/07	--	--	76.91	28.10	--	--	68.11	23.67	86.46	21.95	76.52	25.18
7/18/07	--	--	--	--	--	--	67.92	23.86	86.65	21.76	--	--
1/23/08	--	--	75.56	29.45	--	--	67.11	24.67	85.81	22.60	75.43	26.27
7/23/08	--	--	--	--	--	--	66.34	25.44	84.96	23.45	--	--
1/21/09	--	--	74.09	30.92	36.18	23.04	65.84	25.94	84.30	24.11	74.00	27.70
7/22/09	--	--	--	--	--	--	64.93	26.85	83.33	25.08	--	--
1/21/10	--	--	72.89	32.12	--	--	64.29	27.49	82.63	25.78	72.60	29.10
7/21/10	--	--	--	--	--	--	64.85	26.93	82.14	26.27	--	--
1/19/11	--	--	89.40	15.61	--	--	81.87	9.91	92.78	15.63	88.65	13.05
7/20/11	--	--	95.85	9.16	49.11	10.11	86.88	4.90	99.20	9.21	--	--
1/18/12	--	--	101.95	3.06	54.30	4.92	92.02	-0.24	104.39	4.02	100.44	1.26
7/18/12	--	--	--	--	--	--	92.58	-0.80	107.38	1.03	--	--
1/23/13	--	--	111.41	-6.40	60.40	-1.18	101.69	-9.91	111.06	-2.65	111.04	-9.34
7/24/13	--	--	120.56	-15.55	--	--	110.31	-18.53	119.09	-10.68	--	--
1/22/14	--	--	126.67	-21.66	74.14	-14.92	116.01	-24.23	125.90	-17.49	125.51	-23.81
7/23/14	--	--	133.95	-28.94	79.08	-19.86	122.48	-30.70	131.24	-22.83	--	--
1/22/15	--	--	137.03	-32.02	83.15	-23.93	125.41	-33.63	135.42	-27.01	135.61	-33.91
1/20/16	--	--	DRY	--	89.48	-30.26	DRY	--	142.59	-34.18	145.01	-43.31
7/20/16	--	--	DRY	--	91.51	-32.29	DRY	--	DRY	--	--	--
8/31/16	--	--	DRY	--	92.27	-33.05	DRY	--	DRY	--	147.49	-46.46
1/18/17	--	--	DRY	--	96.79	-37.57	DRY	--	DRY	--	--	--
3/7/17	--	--	DRY	--	93.97	-34.75	DRY	--	DRY	--	147.19	-46.16
7/19/17	--	--	DRY	--	93.41	-34.19	DRY	--	DRY	--	149.51	-48.48
1/17/18	--	--	DRY	--	95.99	-36.77	DRY	--	DRY	--	151.45	-50.42
7/18/18	--	--	DRY	--	97.36	-38.14	DRY	--	DRY	--	DRY	--
4/29/19	--	--	DRY	--	100.34	-41.12	DRY	--	DRY	--	DRY	--
7/22/19	--	--	DRY(i)	--	100.20	-40.98 (a)	DRY	--	DRY	--	DRY	--
1/15/20	--	--	DRY	--	DRY	--	DRY	--	DRY	--	DRY	--
Change*	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3a. HISTORIC GROUNDWATER ELEVATIONS - SHALLOW AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin; Los Angeles, California

Well ID	RMW-18		RMW-20		RMW-22		RMW-24		RMW-25		RMW-27		RMW-29	
TOC	102.22 [2]		61.60 [3]		105.16 [4]		107.15 [5]		62.03 [6]		100.96 [7]		102.24 [8]	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
5/21/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/21/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/27/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/9/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/20/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/27/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/26/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/26/99	102.50	0.25	--	--	--	--	--	--	--	--	--	--	--	--
2/22/00	101.02	1.73	--	--	--	--	--	--	--	--	--	--	--	--
4/25/00	100.01	2.74	--	--	--	--	--	--	--	--	--	--	--	--
7/25/00	98.94	3.81	--	--	--	--	--	--	--	--	--	--	--	--
10/30/00	98.04	4.71	--	--	--	--	--	--	--	--	--	--	--	--
1/22/01	97.18	5.57	58.38	3.18	101.09	4.35	103.25	4.16	--	--	--	--	97.37	4.97
4/24/01	96.31	6.44	57.45	4.11	100.19	5.25	102.27	5.14	--	--	95.26	5.79	96.44	5.90
7/24/01	95.15	7.60	56.43	5.13	99.24	6.20	101.34	6.07	57.03	5.00	94.42	6.63	95.50	6.84
10/23/01	94.41	8.34	55.90	5.66	98.52	6.92	99.61	7.80(a)	56.43	5.60	93.76	7.29	94.75	7.59
1/22/02	93.73	9.02	55.21	6.35	97.77	7.67	99.05	8.36	55.85	6.18	92.88	8.17	93.96	8.38
4/23/02	92.95	9.80	54.60	6.96	97.23	8.21	99.30	8.11(a)	55.26	6.77	92.34	8.71	93.37	8.97
7/23/02	92.08	10.67	53.70	7.86	96.37	9.07	98.21	9.22	54.38	7.65	91.48	9.57	92.49	9.85
10/15/02	91.52	11.23	53.45	8.11	95.97	9.47	97.83	9.60	54.17	7.86	91.01	10.04	92.03	10.31
1/14/03	90.98	11.77	52.92	8.64	95.42	10.02	97.23	10.20	53.63	8.40	90.41	10.64	91.49	10.85
4/15/03	90.15	12.60	51.96	9.60	94.6	10.84	96.45	10.98	52.63	9.40	89.6	11.45	90.73	11.61
7/15/03	89.10	13.65	50.75	10.81	93.44	12.00	95.27	12.16	51.41	10.62	88.55	12.50	89.57	12.77
10/15/03	88.51	14.24	50.40	11.16	92.98	12.46	94.75	12.68	51.10	10.93	88.00	13.05	89.00	13.34
1/13/04	87.75	15.00	49.49	12.07	92.20	13.24	93.95	13.48	50.16	11.87	87.21	13.84	88.21	14.13
4/13/04	86.87	15.88	49.00	12.56	91.50	13.94	93.27	14.16	49.72	12.31	86.44	14.61	87.47	14.87
1/11/05	--	--	47.11	14.45	89.47	15.97	--	--	--	--	--	--	--	--
4/12/05	82.88	19.87	45.15	16.41	87.58	17.86	89.32	18.11	45.80	16.23	82.49	18.56	83.43	18.91
7/12/05	--	--	43.55	18.01	86.30	19.14	88.07	19.36	--	--	--	--	--	--
10/19/05	--	--	43.53	18.03	85.84	19.60	87.50	19.93	--	--	--	--	--	--
1/18/06	--	--	43.04	18.52	85.15	20.29	86.81	20.62	--	--	--	--	--	--
4/19/06	79.26	23.49	42.65	18.91	84.57	20.87	86.19	21.24	43.46	18.57	79.27	21.78	80.11	22.23
7/19/06	--	--	42.34	19.22	84.19	21.25	85.76	21.67	43.16	18.87	--	--	--	--
10/18/06	78.17	24.58	41.86	19.70	83.67	21.77	85.25	22.18	42.64	19.39	--	--	--	--
4/18/07	76.78	25.97	40.76	20.80	82.44	23.00	84.04	23.39	41.56	20.47	--	--	--	--
7/18/07	--	--	41.05	20.51	82.48	22.96	--	--	41.88	20.15	--	--	--	--
1/23/08	75.57	27.18	40.19	21.37	81.70	23.74	83.16	24.27	41.05	20.98	--	--	--	--
7/23/08	--	--	39.37	22.19	80.84	24.60	--	--	40.19	21.84	--	--	--	--
1/21/09	74.06	28.69	38.59	23.01	80.00	25.16	81.45	25.70	39.94	22.09	74.60	26.36	75.18	27.06
7/22/09	--	--	37.58	24.02	79.13	26.03	--	--	38.40	23.63	--	--	--	--
1/21/10	72.80	29.95	36.90	24.70	78.44	26.72	79.89	27.26	37.70	24.33	--	--	--	--
7/21/10	--	--	36.33	25.27	77.97	27.19	--	--	37.19	24.84	--	--	--	--
1/19/11	90.55	12.20	45.80	15.80	90.79	14.37	91.76	15.39	46.26	15.77	--	--	--	--
7/20/11	--	--	51.96	9.64	97.40	7.76	98.48	8.67	52.34	9.69	--	--	94.45	7.79
1/18/12	102.23	0.52	56.94	4.66	102.35	2.81	103.96	3.19	57.24	4.79	99.11	1.85	100.00	2.24
7/18/12	--	--	59.91	1.69	104.69	0.47	--	--	60.28	1.75	--	--	--	--
1/23/13	112.88	-10.13	63.44	-1.84	110.73	-5.57	111.37	-4.22	63.55	-1.52	--	--	108.60	-6.36
7/24/13	--	--	70.99	-9.39	118.45	-13.29	119.91	-12.76	70.87	-8.84	--	--	117.48	-15.24
1/22/14	128.60	-25.85	77.25	-15.65	125.63	-20.47	127.25	-20.10	76.90	-14.87	--	--	124.60	-22.36
7/23/14	--	--	82.32	-20.72	130.95	-25.79	133.11	-25.96	81.79	-19.76	--	--	131.04	-28.80
1/22/15	DRY	--	86.35	-24.75	134.89	-29.73	137.28	-30.13	85.79	-23.76	133.41	-32.45	134.70	-32.46
1/20/16	DRY	--	93.03	-31.43	142.84	-37.68	145.00	-37.85	92.18	-30.15	142.09	-41.13	143.45	-41.21
7/20/16	DRY	--	95.03	-33.43	144.29 (c)	-39.13 (c)	146.38	-39.23	94.26	-32.23	--	--	144.07	-41.83
8/31/16	DRY	--	95.93	-34.33	--	--	146.41	-39.26	95.04	-33.01	144.54	-43.58	145.90	-43.66
1/18/17	DRY	--	98.22	-36.62	--	--	149.92	-42.77	97.38	-35.35	144.37	-43.41	147.96	-45.72
3/7/17	DRY	--	97.09	-35.49	146.18	-41.02	148.84	-41.69	96.40	-34.37	--	--	145.99	-43.75
7/19/17	DRY	--	98.42	-36.82	147.00	-41.84	148.71	-41.56	96.82	-34.79	145.94	-44.98	149.34	-47.10
1/17/18	DRY	--	100.35	-38.75	149.40	-44.24	149.97	-42.82	99.46	-37.43	147.94	-46.98	149.37	-47.13
7/18/18	DRY	--	102.14	-40.54	151.06	-45.90	150.04	-42.89	101.04	-39.01	149.49	-48.53	150.46	-48.22
4/29/19	DRY	--	108.69	-47.09	151.91	-46.75	DRY	--	105.99	-43.96	153.83	-52.87	DRY	--
7/22/19	DRY	--	109.00	-47.40	152.28	-47.12	DRY	--	106.43	-44.40	154.38	--	DRY(i)	--
1/15/20	DRY	--	109.67	-48.07	149.81	-44.65	DRY	--	107.00	-44.97	154.66	-53.70	DRY	--
Change*		--		-0.67		2.47		--		-0.57		-0.28		--

TABLE 3a. HISTORIC GROUNDWATER ELEVATIONS - SHALLOW AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin; Los Angeles, California

Well ID	RMW-31		RMW-33		RMW-48		RMW-51		RMW-53	
TOC	110.54 [9]		91.79 [10]		107.51 [11]		111.06 [12]		67.50 [13]	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
5/21/97	--	--	--	--	--	--	--	--	--	--
7/21/97	--	--	--	--	--	--	--	--	--	--
10/27/97	--	--	--	--	--	--	--	--	--	--
2/9/98	--	--	--	--	--	--	--	--	--	--
4/20/98	--	--	--	--	--	--	--	--	--	--
7/27/98	--	--	--	--	--	--	--	--	--	--
10/26/98	--	--	--	--	--	--	--	--	--	--
1/25/99	--	--	--	--	--	--	--	--	--	--
4/26/99	--	--	--	--	--	--	--	--	--	--
7/26/99	--	--	--	--	--	--	--	--	--	--
10/26/99	--	--	--	--	--	--	--	--	--	--
2/22/00	--	--	--	--	--	--	--	--	--	--
4/25/00	--	--	--	--	--	--	--	--	--	--
7/25/00	--	--	--	--	--	--	--	--	--	--
10/30/00	--	--	--	--	--	--	--	--	--	--
1/22/01	--	--	--	--	--	--	--	--	--	--
4/24/01	--	--	86.21	5.66	102.50	5.15	106.06	5.11	--	--
7/24/01	104.20	6.64	85.18	6.69	101.67	5.98	105.00	6.17	--	--
10/23/01	104.55	6.29(a)	84.31	7.56	100.98	6.67	104.31	6.86	61.41	6.22
1/22/02	102.86	7.98	84.38	7.49(b)	100.25	7.40	103.61	7.56	60.80	6.83
4/23/02	102.28	8.56	83.76	8.11(b)	99.68	7.97	103.03	8.14	60.21	7.42
7/23/02	101.40	9.44	82.11	9.76	98.79	8.86	102.15	9.02	59.31	8.32
10/15/02	100.97	9.87	81.65	10.22	98.45	9.20	101.77	9.40	59.03	8.60
1/14/03	100.38	10.46	81.26	10.61	97.85	9.80	101.15	10.02	58.38	9.25
4/15/03	99.69	11.15	80.31	11.56	97.03	10.62	100.45	10.72	57.51	10.12
7/15/03	98.45	12.39	79.46	12.41	95.87	11.78	99.17	12.00	56.23	11.40
10/15/03	97.88	12.96	78.85	13.02	95.38	12.27	98.64	12.53	55.77	11.86
1/13/04	97.06	13.78	78.15	13.72	94.59	13.06	97.85	13.32	54.93	12.70
4/13/04	96.37	14.47	77.38	14.49	93.93	13.72	97.19	13.98	54.41	13.22
1/11/05	--	--	--	--	91.95	15.70	95.16	16.01	52.59	15.04
4/12/05	92.47	18.37	73.66	18.21	89.99	17.66	93.21	17.96	50.44	17.19
7/12/05	--	--	--	--	88.56	19.09	91.96	19.21	--	--
10/19/05	--	--	--	--	88.19	19.46	91.41	19.76	--	--
1/18/06	--	--	--	--	87.58	20.07	90.74	20.43	--	--
4/19/06	88.96	21.88	69.99	21.88	86.78	20.87	90.04	21.13	47.66	19.97
7/19/06	--	--	--	--	86.65	21.00	89.80	21.37	--	--
10/18/06	--	--	--	--	86.14	21.51	89.31	21.86	--	--
4/18/07	--	--	--	--	84.91	22.74	88.11	23.06	45.74	21.89
7/18/07	--	--	--	--	85.02	22.63	--	--	--	--
1/23/08	--	--	--	--	84.14	23.51	87.18	23.99	44.97	22.66
7/23/08	--	--	--	--	83.33	24.32	--	--	--	--
1/21/09	84.26	26.28	65.42	26.37	82.60	24.91	85.63	25.43	43.30	24.20
7/22/09	--	--	--	--	81.65	25.86	--	--	--	--
1/21/10	--	--	--	--	80.98	26.53	84.05	27.01	41.55	25.95
7/21/10	--	--	--	--	80.45	27.06	--	--	--	--
1/19/11	--	--	--	--	91.90	15.61	94.71	16.35	--	--
7/20/11	101.11	9.43	--	--	98.42	9.09	101.58	9.48	--	--
1/18/12	106.65	3.89	86.63	5.16	103.80	3.71	106.90	4.16	62.46	5.04
7/18/12	--	--	--	--	106.79	0.72	--	--	--	--
1/23/13	--	--	92.66	-0.87	110.68	-3.17	113.70	-2.64	68.45	-0.95
7/24/13	--	--	100.06	-8.27	118.98	-11.47	--	--	--	--
1/22/14	DRY	--	105.86	-14.07	126.14	-18.63	129.63	-18.57	83.41	-15.91
7/23/14	DRY	--	110.68	-18.89	131.71	-24.20	135.06	-24.00	--	--
1/22/15	DRY	--	114.54	-22.75	136.00	-28.49	139.41	-28.35	94.45	-26.95(a*)
1/20/16	DRY	--	121.31	-29.52	143.40	-35.89	DRY	--	91.34	-23.84(a*)
7/20/16	DRY	--	124.35	-32.56	145.00	-37.49	DRY	--	93.10 (d)	-25.60 (a*)
8/31/16	DRY	--	124.81	-33.02	146.11	-38.60	DRY	--	91.37	-23.87(a*)
1/18/17	DRY	--	127.00	-35.21	--(e)	--(e)	DRY	--	--	--
3/7/17	DRY	--	127.28	-35.49	147.61	-40.10	DRY	--	90.85 (g)	-23.35 (a*)
7/19/17	DRY	--	127.42	-35.63	147.39	-39.88	DRY	--	--	--
1/17/18	DRY	--	130.08	-38.29	150.38	-42.87	DRY	--	90.47(h)	-22.97 (a*)
7/18/18	DRY	--	131.90	-40.11	151.73	-44.22	DRY	--	91.19	-23.69 (a*)
4/29/19	DRY	--	135.99	-44.20	155.70	-48.19	DRY	--	90.67	-23.17 (a*)
7/22/19	DRY	--	136.85	-45.06	DRY	--	DRY	--	90.00	-22.50 (a*)
1/15/20	DRY	--	138.28	-46.49	DRY	--	DRY	--	90.71	-23.21 (a*)
Change*		--		-1.43		--		--		-0.71 (a*)

TABLE 3a. HISTORIC GROUNDWATER ELEVATIONS - SHALLOW AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin; Los Angeles, California

Well ID	RMW-55		RMW-57		RMW-59		RPZ-4		RPZ-7		RPZ-9	
TOC	97.40		92.85 [14]		87.67 [15]		69.15 [16]		150.30 [17]		58.89 [18]	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
5/21/97	--	--	--	--	--	--	--	--	--	--	--	--
7/21/97	--	--	--	--	--	--	--	--	--	--	--	--
10/27/97	--	--	--	--	--	--	--	--	--	--	--	--
2/9/98	--	--	--	--	--	--	--	--	--	--	--	--
4/20/98	--	--	--	--	--	--	--	--	--	--	--	--
7/27/98	--	--	--	--	--	--	--	--	--	--	--	--
10/26/98	--	--	--	--	--	--	--	--	--	--	--	--
1/25/99	--	--	--	--	--	--	--	--	--	--	--	--
4/26/99	--	--	--	--	--	--	--	--	--	--	--	--
7/26/99	--	--	--	--	--	--	--	--	--	--	--	--
10/26/99	--	--	--	--	--	--	--	--	--	--	--	--
2/22/00	--	--	--	--	--	--	--	--	--	--	--	--
4/25/00	--	--	--	--	--	--	--	--	--	--	--	--
7/25/00	--	--	--	--	--	--	--	--	--	--	--	--
10/30/00	--	--	--	--	--	--	--	--	--	--	--	--
1/22/01	--	--	--	--	--	--	66.20	2.79	--	--	--	--
4/24/01	--	--	--	--	--	--	65.24	3.75	142.85	7.24	--	--
7/24/01	--	--	--	--	--	--	64.15	4.84	141.91	8.18	52.77	5.98
10/23/01	--	--	--	--	--	--	63.12	5.87	139.85	10.24(a)	52.69	6.06(a)
1/22/02	--	--	--	--	--	--	62.22	6.77	139.82	10.27	51.81	6.94
4/23/02	--	--	--	--	--	--	61.39	7.60	138.94	11.15	51.24	7.51
7/23/02	--	--	--	--	--	--	NM	NM	137.91	12.18	50.41	8.34
10/15/02	--	--	--	--	--	--	NM	NM	136.97	13.12	50.12	8.63
1/14/03	--	--	--	--	--	--	59.24	9.75	136.13	13.96	49.47	9.28
4/15/03	--	--	--	--	--	--	58.66	10.33	135.48	14.61	48.49	10.26
7/15/03	--	--	--	--	--	--	57.75	11.24	134.30	15.79	47.23	11.52
10/15/03	--	--	--	--	--	--	56.98	12.01	133.38	16.71	46.66	12.09
1/13/04	--	--	--	--	--	--	56.26	12.73	132.43	17.66	46.05	12.70
4/13/04	--	--	--	--	--	--	55.57	13.42	131.45	18.64	45.50	13.25
1/11/05	--	--	--	--	--	--	--	--	--	--	--	--
4/12/05	--	--	--	--	--	--	52.10	16.89	127.41	22.68	41.15	17.60
7/12/05	--	--	--	--	--	--	--	--	--	--	--	--
10/19/05	--	--	--	--	--	--	--	--	--	--	--	--
1/18/06	--	--	--	--	--	--	--	--	--	--	39.09	19.66
4/19/06	77.32	20.08	74.02	19.65	68.04	20.44	48.67	20.32	122.91	27.18	38.72	20.03
7/19/06	76.69	20.71	73.65	20.02	67.70	20.78	--	--	--	--	38.30	20.45
10/18/06	76.49	20.91	73.23	20.44	67.28	21.20	--	--	--	--	37.94	20.81
4/18/07	75.36	22.04	72.13	21.54	66.13	22.35	--	--	--	--	--	--
7/18/07	75.33	22.07	72.15	21.52	66.06	22.42	--	--	--	--	--	--
1/23/08	74.60	22.80	71.41	22.26	65.34	23.14	--	--	--	--	--	--
7/23/08	73.83	23.57	70.60	23.07	64.55	23.93	--	--	--	--	--	--
1/21/09	73.28	24.12	70.30	22.55	64.11	23.56	43.45	25.70	114.85	35.45	34.63	24.26
7/22/09	72.35	25.05	69.19	23.66	63.21	24.46	--	--	--	--	--	--
1/21/10	71.66	25.74	68.37	24.48	62.52	25.15	--	--	--	--	--	--
7/21/10	71.21	26.19	68.08	24.77	62.08	25.59	--	--	--	--	--	--
1/19/11	84.02	13.38	80.11	12.74	75.29	12.38	--	--	--	--	--	--
7/20/11	89.85	7.55	85.84	7.01	81.11	6.56	--	--	120.05	30.25	47.08	11.81
1/18/12	94.87	2.53	90.71	2.96	86.15	2.33	53.23	15.92	123.50	26.80	52.19	6.70
7/18/12	96.56	0.84	92.43	0.42	87.73	0.75	--	--	--	--	--	--
1/23/13	102.48	-5.08	98.05	-4.38	93.51	-5.03	59.12	10.03	128.79	21.51	57.69	1.20
7/24/13	110.81	-13.41	105.96	-12.29	102.00	-13.52	63.85	5.30	133.61	16.69	--	--
1/22/14	117.09	-19.69	111.53	-17.86	108.32	-19.84	68.07	1.08	137.70	12.60	65.41	-6.52
7/23/14	122.40	-25.00	117.01	-23.34	114.29	-25.81	71.96	-2.81	141.64	8.66	67.03	-8.14
1/22/15	125.73	-28.33	120.32	-26.65	117.64	-29.16	75.52	-6.37	145.07	5.23	68.90	-10.01
1/20/16	133.76	-36.36	128.04	-34.37	126.11	-37.63	DRY	--	150.96	-0.66	DRY	--
7/20/16	134.92	-37.52	129.37	-35.70	127.46	-38.98	DRY	--	153.20	-2.90	DRY	--
8/31/16	136.47	-39.07	130.60	-37.75	128.50	-40.83	DRY	--	154.05	-3.75	DRY	--
1/18/17	137.39	-39.99	131.57	-38.72	130.08	-42.41	DRY	--	156.61	-6.31	DRY	--
3/7/17	136.20	-38.80	130.55	-37.70	128.45	-40.78	DRY	--	156.64	-6.34	DRY	--
7/19/17	138.41	-41.01	132.69	-39.84	130.78	-43.11	DRY	--	--(e)	--(e)	DRY	--
1/17/18	140.31	-42.91	134.55	-41.70	132.89	-45.22	DRY	--	DRY	--	DRY	--
7/18/18	142.61	-45.21	136.70	-43.85	135.10	-47.43	DRY	--	DRY	--	DRY	--
4/29/19	143.72	-46.32	143.74	-50.89	142.42	-54.75	DRY	--	DRY	--	DRY	--
7/22/19	143.17	-45.77	143.81	-50.96	142.20	-54.53	DRY(i)	--	DRY(i)	--	DRY(i)	--
1/15/20	143.29	-45.89	144.28	-51.43	142.42	-54.75	DRY	--	DRY	--	63.40(a)	--
Change*		-0.12		-0.47		-0.22		--		--		--

TABLE 3a. HISTORIC GROUNDWATER ELEVATIONS - SHALLOW AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin; Los Angeles, California

NOTES:

TOC indicates top of casing elevation; Depth to groundwater is in feet below top of casing.

Elevation is in feet above or below Mean Sea Level datum (msl).

* Difference between two most recent semiannual measurements (July 2019 and January 2020).

(a) Groundwater elevation appears anomalous, possibly due to measurement error.

(a*) Groundwater elevation appears anomalous; shallow groundwater has become perched at this location.

(b) Groundwater elevation appears anomalously low, possibly due to slow recovery following sampling.

(c) Water level measured on 7/21/2016.

(d) Water level measured on 8/15/2016.

(e) Data not available due to access issues.

(f) Water level measured on 3/6/2017.

(g) Water level measured on 3/8/2017.

(h) Water level measured on 1/23/2018.

(i) Water level measured on 7/23/2019.

NM - Water level could not be measured due to new asphalt pavement over well box.

TOC Resurveys:

(1) Water elevations prior to August 2016 were calculated using a TOC elevation of 101.70.

(2) Water elevations prior to August 2016 were calculated using a TOC elevation of 102.75.

(3) Water elevations prior to November 2008 were calculated using a TOC elevation of 61.56.

(4) Water elevations prior to November 2008 were calculated using a TOC elevation of 105.44.

(5) Water elevations prior to July 2002 were calculated using a TOC elevation of 107.41

Water elevations prior to November 2008 were calculated using a TOC elevation of 107.43.

(6) Water elevations prior to November 2008 were calculated using a TOC elevation of 62.03.

(7) Water elevations prior to November 2008 were calculated using a TOC elevation of 101.05.

(8) Water elevations prior to November 2008 were calculated using a TOC elevation of 102.34.

(9) Water elevations prior to November 2008 were calculated using a TOC elevation of 110.84.

(10) Water elevations prior to November 2008 were calculated using a TOC elevation of 91.87.

(11) Water elevations prior to November 2008 were calculated using a TOC elevation of 107.65.

(12) Water elevations prior to November 2008 were calculated using a TOC elevation of 111.17.

(13) Water elevations prior to November 2008 were calculated using a TOC elevation of 67.63.

(14) Water elevations prior to August 2016 were calculated using a TOC elevation of 93.67.

(15) Water elevations prior to August 2016 were calculated using a TOC elevation of 88.48.

(16) Water elevations prior to November 2008 were calculated using a TOC elevation of 68.99.

(17) Water elevations prior to November 2008 were calculated using a TOC elevation of 150.09

(18) Water elevations prior to November 2008 were calculated using a TOC elevation of 58.75.

TABLE 3b. HISTORIC GROUNDWATER ELEVATIONS - UPPER SILVERADO AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin, Los Angeles, California

Well ID	RMW-3		RMW-5		RMW-6		RMW-9		RMW-11		RMW-13	
TOC	104.61		59.41		59.58		91.83		108.85		100.51 [1]	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
5/21/97	124.99	-20.38	82.61	-23.20	82.88	-23.30	--	--	--	--	--	--
7/21/97	122.68	-18.07	79.99	-20.58	80.23	-20.65	111.41	-19.58	--	--	--	--
10/27/97	119.48	-14.87	76.46	-17.05	76.62	-17.04	108.05	-16.22	--	--	--	--
2/9/98	116.75	-12.14	73.43	-14.02	73.67	-14.09	105.29	-13.46	122.74	-13.89	--	--
4/20/98	114.83	-10.22	71.31	-11.90	71.52	-11.94	103.22	-11.39	120.67	-11.82	--	--
7/27/98	112.13	-7.52	68.25	-8.84	68.35	-8.77	100.40	-8.57	117.61	-8.76	109.61	-8.59
10/26/98	110.96	-6.35	66.57	-7.16	66.67	-7.09	99.17	-7.34	116.06	-7.21	108.27	-7.25
1/25/99	108.86	-4.25	64.83	-5.42	64.98	-5.40	97.13	-5.30	114.30	-5.45	106.28	-5.26
4/26/99	106.87	-2.26	63.33	-3.92	63.44	-3.86	95.32	-3.49	112.67	-3.82	104.45	-3.43
7/26/99	105.01	-0.40	62.72	-3.31	61.84	-2.26	93.55	-1.72	111.00	-2.15	102.72	-1.70
10/26/99	103.51	1.10	60.38	-0.97	60.48	-0.90	92.19	-0.36	109.60	-0.75	101.21	-0.19
2/22/00	102.04	2.57	59.39	0.02	59.57	0.01	90.88	0.95	108.53	0.32	100.04	0.98
4/25/00	100.95	3.66	58.62	0.79	58.82	0.76	89.87	1.96	107.57	1.28	98.92	2.10
7/25/00	99.86	4.75	57.52	1.89	57.72	1.86	88.83	3.00	106.60	2.25	97.92	3.10
10/30/00	98.89	5.72	56.85	2.56	57.11	2.47	88.01	3.82	105.82	3.03	87.02	14.00 (a)
1/22/01	97.96	6.65	56.07	3.34	56.39	3.19	87.11	4.72	104.93	3.92	96.09	4.93
4/24/01	96.99	7.62	55.34	4.07	55.42	4.16	86.15	5.68	104.03	4.82	95.17	5.85
7/24/01	96.03	8.59	54.23	5.18	54.58	5.00	85.15	6.68	103.08	5.77	94.22	6.80
10/23/01	95.71	8.91(a)	53.65	5.76	53.99	5.59	84.43	7.40	102.35	6.50	93.50	7.52
1/22/02	93.35	11.26	53.04	6.37	53.45	6.13	83.68	8.15	101.71	7.14	92.70	8.32
4/23/02	93.71	10.90	52.37	7.04	52.65	6.93	83.13	8.70	101.12	7.73	92.14	8.88
7/23/02	92.85	11.76	51.78	7.63	52.17	7.41	82.28	9.55	100.28	8.57	91.30	9.72
10/15/02	92.22	12.39	51.29	8.12	51.66	7.92	81.84	9.99	99.90	8.95	90.83	10.19
1/14/03	91.63	12.98	50.74	8.67	51.10	8.48	81.30	10.53	99.38	9.47	90.24	10.78
4/15/03	90.95	13.66	49.60	9.81	49.80	9.78	80.47	11.36	98.53	10.32	89.42	11.60
7/15/03	89.83	14.78	48.48	10.93	48.55	11.03	79.42	12.41	97.38	11.47	88.36	12.66
10/15/03	89.16	15.45	48.33	11.08	48.62	10.96	78.92	12.91	96.92	11.93	87.84	13.18
1/13/04	88.33	16.28	47.16	12.25	47.31	12.27	78.15	13.68	96.11	12.74	87.08	13.94
4/13/04	87.41	17.20	46.82	12.59	47.09	12.49	77.38	14.45	95.47	13.38	86.29	14.73
1/11/05	84.91	19.70	--	--	--	--	75.24	16.59	93.46	15.39	--	--
4/12/05	83.36	21.25	42.99	16.42	43.21	16.37	73.43	18.40	91.61	17.24	82.34	18.68
7/12/05	82.15	22.46	--	--	41.52	18.06	72.25	19.58	90.21	18.64	--	--
10/19/05	81.25	23.36	--	--	41.63	17.95	71.69	20.14	89.97	18.88	--	--
1/18/06	80.29	24.32	--	--	41.39	18.19	70.93	20.90	89.32	19.53	--	--
4/16/06	79.47	25.14	40.65	18.76	40.81	18.77	70.36	21.47	88.87	19.98	79.15	21.87
7/19/06	79.80	24.81(a)	--	--	40.45	19.13	69.88	21.95	88.49	20.36	--	--
10/18/06	78.21	26.40	--	--	40.02	19.56	69.36	22.47	88.01	20.84	--	--
4/18/07	76.66	27.95	--	--	38.95	20.63	68.15	23.68	86.85	22.00	--	--
7/18/07	--	--	--	--	39.20	20.38	--	--	86.94	21.91	--	--
1/23/08	75.31	29.30	--	--	38.35	21.23	67.19	24.64	86.17	22.68	--	--
7/23/08	--	--	--	--	37.54	22.04	--	--	85.34	23.51	--	--
1/21/09	73.93	30.68	36.82	22.59	36.83	22.75	65.84	25.99	84.53	24.32	74.60	26.42
7/22/09	--	--	--	--	35.79	23.79	--	--	83.71	25.14	--	--
1/20/10	72.87	31.74	--	--	35.01	24.57	64.35	27.48	83.02	25.83	--	--
7/21/10	--	--	--	--	34.54	25.04	63.93	27.90	82.54	26.31	--	--
1/19/11	90.52	14.09	50.27	9.14	44.10	15.48	81.30	10.53	94.40	14.45	--	--
7/20/11	96.71	7.90	50.07	9.34	50.50	9.08	86.99	4.84	100.46	8.39	--	--
1/18/12	102.54	2.07	55.05	4.36	55.21	4.37	92.11	-0.28	105.54	3.31	99.65	1.37
7/18/12	--	--	--	--	58.03	1.55	92.84	-1.01	107.89	0.96	--	--
1/23/13	112.33	-7.72	61.43	-2.02	61.65	-2.07	101.64	-9.81	112.95	-4.10	--	--
7/24/13	122.60	-17.99	--	--	69.21	-9.63	110.52	-18.69	120.98	-12.13	--	--
1/22/14	126.61	-22.00	75.11	-15.70	75.43	-15.85	116.18	-24.35	127.26	-18.41	--	--
7/23/14	135.91	-31.30	80.28	-20.87	80.60	-21.02	122.58	-30.75	132.83	-23.98	--	--
1/22/15	138.63	-34.02	84.31	-24.90	84.71	-25.13	125.50	-33.67	136.57	-27.72	133.93	-32.91
7/22/15	142.00	-37.39	86.01	-26.60	86.34	-26.76	128.91	-37.08	138.76	-29.91	136.99	-35.97
1/20/16	148.21	-43.60	90.98	-31.57	91.39	-31.81	134.66 (b)	-42.83 (b)	144.17	-35.32	143.02	-42.00
7/20/16	146.79	-42.18	92.74	-33.33	93.22	-33.64	135.15	-43.32	144.58	-35.73	--	--
8/31/16	151.18	-46.57	93.78	-34.37	94.23	-34.65	137.59	-45.76	146.97	-38.12	--	--
1/18/17	150.20	-45.59	95.98	-36.57	96.59	-37.01	136.94	-45.11	148.76	-39.91	144.68	-44.17
3/7/17	148.41	-43.80	94.91	-35.50	95.47	-35.89	135.76	-43.93	147.45	-38.60	--	--
7/19/17	150.14(a)	-45.53(a)	95.83	-36.42	96.22	-36.64	139.98	-48.15	149.68	-40.83	148.28	-47.77
1/17/18	154.67	-50.06	98.12	-38.71	98.66	-39.08	140.66	-48.83	151.20	-42.35	149.34	-48.83
7/18/18	156.27	-51.66	99.97	-40.56	100.45	-40.87	143.53	-51.70	153.29	-44.44	152.02	-51.51
4/29/19	168.56	-63.95	106.21	-46.80	106.81	-47.23	152.02	-60.19	160.45	-51.60	160.64	-60.13
7/22/19	168.39(k)	-63.78(k)	106.76	-47.35	107.27	-47.69	152.21	-60.38	160.68	-51.83	160.55	-60.04
1/15/20	168.30	-63.69	107.31	-47.90	107.91	-48.33	152.00	-60.17	161.00	-52.15	160.47	-59.96
Change*		0.09		-0.55		-0.64		0.21		-0.32		0.08

TABLE 3b. HISTORIC GROUNDWATER ELEVATIONS - UPPER SILVERADO AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin, Los Angeles, California

Well ID	RMW-14		RMW-17		RMW-19		RMW-21		RMW-23		RMW-28	
TOC	101.49		101.93 [2]		61.41 [3]		105.11 [4]		107.25 [5]		102.38 [6]	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
5/21/97	--	--	--	--	--	--	--	--	--	--	--	--
7/21/97	--	--	--	--	--	--	--	--	--	--	--	--
10/27/97	--	--	--	--	--	--	--	--	--	--	--	--
2/9/98	--	--	--	--	--	--	--	--	--	--	--	--
4/20/98	--	--	--	--	--	--	--	--	--	--	--	--
7/27/98	--	--	--	--	--	--	--	--	--	--	--	--
10/26/98	108.68	-7.19	--	--	--	--	--	--	--	--	--	--
1/25/99	106.66	-5.17	--	--	--	--	--	--	--	--	--	--
4/26/99	104.76	-3.27	--	--	--	--	--	--	--	--	--	--
7/26/99	103.01	-1.52	--	--	--	--	--	--	--	--	--	--
10/26/99	101.54	-0.05	102.07	0.37	--	--	--	--	--	--	--	--
2/22/00	100.13	1.36	100.92	1.52	--	--	--	--	--	--	--	--
4/25/00	99.13	2.36	99.81	2.63	--	--	--	--	--	--	--	--
7/25/00	98.60	2.89	98.81	3.63	--	--	--	--	--	--	--	--
10/30/00	97.17	4.32	98.00	4.44	--	--	--	--	--	--	--	--
1/22/01	96.22	5.27	96.81	5.63	58.33	3.23	101.88	3.44	103.05	4.44	97.39	5.04
4/24/01	95.29	6.20	95.86	6.58	57.43	4.13	100.01	5.31	102.07	5.42	96.47	5.96
7/24/01	94.34	7.15	94.99	7.45	56.41	5.15	99.10	6.22	101.13	6.36	95.01	7.42
10/23/01	93.58	7.91	94.13	8.31	55.77	5.79	98.41	6.91	100.41	7.08	94.76	7.67(a)
1/22/02	92.78	8.71	93.33	9.11	55.19	6.37	97.65	7.67	99.65	7.84	93.98	8.45
4/23/02	92.22	9.27	92.74	9.70	54.58	6.98	97.10	8.22	99.06	8.43	93.38	9.05
7/23/02	91.37	10.12	91.90	10.54	53.71	7.85	96.27	9.05	97.93	9.32	92.51	9.92
10/15/02	90.86	10.63	91.35	11.09	53.38	8.18	95.83	9.49	97.51	9.74	92.04	10.39
1/14/03	90.30	11.19	90.78	11.66	52.91	8.65	95.30	10.02	96.95	10.30	91.51	10.92
4/15/03	89.52	11.97	90.19	12.25	51.97	9.59	94.44	10.88	96.15	11.10	90.74	11.69
7/15/03	88.44	13.05	88.93	13.51	50.75	10.81	93.34	11.98	95.06	12.19	89.61	12.82
10/15/03	87.96	13.53	88.33	14.11	50.41	11.15	92.86	12.46	94.52	12.73	89.03	13.40
1/13/04	87.10	14.39	87.55	14.89	49.52	12.04	92.10	13.22	93.74	13.51	88.21	14.22
4/13/04	86.29	15.20	86.72	15.72	49.01	12.55	91.36	13.96	93.03	14.22	87.48	14.95
1/11/05	84.16	17.33	--	--	47.00	14.56	89.29	16.03	--	--	--	--
4/12/05	82.28	19.21	82.70	19.74	45.18	16.38	87.47	17.85	89.14	18.11	83.47	18.96
7/12/05	81.08	20.41	--	--	43.54	18.02	86.20	19.12	87.83	19.42	--	--
10/19/05	80.43	21.06	--	--	43.61	17.95	85.80	19.52	87.40	19.85	--	--
1/18/06	79.63	21.86	--	--	43.14	18.42	85.16	20.16	86.75	20.50	--	--
4/16/06	78.95	22.54	79.20	23.24	42.73	18.83	84.59	20.73	86.11	21.14	80.17	22.26
7/19/06	78.44	23.05	--	--	42.41	19.15	84.19	21.13	85.67	21.58	--	--
10/18/06	77.92	23.57	78.12	24.32	41.94	19.62	83.69	21.63	85.13	22.12	--	--
4/18/07	76.58	24.91	76.70	25.74	40.88	20.68	82.49	22.83	83.95	23.30	--	--
7/18/07	--	--	--	--	41.13	20.43	--	--	--	--	--	--
1/23/08	75.54	25.95	75.74	26.70	40.29	21.27	81.67	23.65	83.07	24.18	--	--
7/23/08	--	--	--	--	39.45	22.11	--	--	81.55	25.70	--	--
1/21/09	74.17	27.32	74.07	28.37	38.45	22.96	80.04	25.07	81.63	25.62	75.30	27.08
7/22/09	--	--	--	--	37.50	23.91	--	--	--	--	--	--
1/20/10	72.84	28.65	73.29	29.15	36.82	24.59	78.50	26.61	80.09	27.16	--	--
7/21/10	--	--	--	--	36.23	25.18	--	--	--	--	--	--
1/19/11	91.29	10.20	91.91	10.53	45.77	15.64	91.77	13.34	93.55	13.70	--	--
7/20/11	--	--	--	--	51.87	9.54	--	--	99.71	7.54	95.12	7.26
1/18/12	101.21	0.28	102.81	-0.37	56.81	4.60	102.60	2.51	104.94	2.31	100.54	1.84
7/18/12	--	--	--	--	59.71	1.70	--	--	--	--	--	--
1/23/13	110.79	-9.30	113.47	-11.03	63.36	-1.95	111.81	-6.70	113.01	-5.76	109.17	-6.79
7/24/13	--	--	--	--	78.86	-17.45	119.35	-14.24	121.62	-14.37	118.27	-15.89
1/22/14	126.23	-24.74	129.67	-27.23	77.08	-15.67	125.90	-20.79	128.03	-20.78	125.05	-22.67
7/23/14	--	--	--	--	82.14	-20.73	--	--	134.07	-26.82	131.55	-29.17
1/22/15	136.06	-34.57	138.70	-36.26	86.17	-24.76	134.80	-29.69	137.61	-30.36	135.02	-32.64
7/22/15	141.56	-40.07	142.27	-39.83	87.84	-26.43	137.54	-32.43	140.22	-32.97	137.92	-35.54
1/20/16	145.76	-44.27	148.82	-46.38	92.84	-31.43	143.16	-38.05	146.01	-38.76	144.06	-41.68
7/20/16	--	--	148.39	-45.95	94.84	-33.43	144.57 (c)	-39.46 (c)	146.97	-39.72	144.58	-42.20
8/31/16	151.54	-50.05	151.77	-49.84	95.74	-34.33	--	--	148.79	-41.54	146.85	-44.47
1/18/17	--	--	--	--	97.96	-36.55	--	--	150.21	-42.96	148.13	-45.75
3/7/17	--	--	144.99 (f)	-43.06 (f)	96.87	-35.46	145.73	-40.62	148.42	-41.17	146.34	-43.96
7/19/17	--	--	154.25	-52.32	98.68	-37.27	148.22	-43.11	157.11(a)	-49.86 (a)	149.70	-47.32
1/17/18	151.76(h)	-50.27	154.28(i)	-52.35	100.13	-38.72	149.89	-44.78	152.85	-45.60	150.79	-48.41
7/18/18	154.72	-53.23	157.49	-55.56	101.89	-40.48	152.18	-47.07	155.21	-47.96	153.41	-51.03
4/29/19	164.16	-62.67	167.87	-65.94	108.40	-46.99	159.96	-54.85	163.19	-55.94	162.35	-59.97
7/22/19	163.80	-62.31	167.12	-65.19	108.81(k)	-47.40(k)	160.05	-54.94	163.20	-55.95	162.30(k)	-59.92(k)
1/15/20	163.54	-62.05	167.00	-65.07	109.44	-48.03	160.18	-55.07	163.33	-56.08	162.03	-59.65
Change*		0.26		0.12		-0.63		-0.13		-0.13		0.27

TABLE 3b. HISTORIC GROUNDWATER ELEVATIONS - UPPER SILVERADO AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin, Los Angeles, California

Well ID	RMW-30		RMW-32		RMW-49		RMW-50		RMW-52		RMW-54	
TOC	110.48 [7]		91.84 [8]		107.81 [9]		111.05 [10]		68.15 [11]		96.69 [12]	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
5/21/97	--	--	--	--	--	--	--	--	--	--	--	--
7/21/97	--	--	--	--	--	--	--	--	--	--	--	--
10/27/97	--	--	--	--	--	--	--	--	--	--	--	--
2/9/98	--	--	--	--	--	--	--	--	--	--	--	--
4/20/98	--	--	--	--	--	--	--	--	--	--	--	--
7/27/98	--	--	--	--	--	--	--	--	--	--	--	--
10/26/98	--	--	--	--	--	--	--	--	--	--	--	--
1/25/99	--	--	--	--	--	--	--	--	--	--	--	--
4/26/99	--	--	--	--	--	--	--	--	--	--	--	--
7/26/99	--	--	--	--	--	--	--	--	--	--	--	--
10/26/99	--	--	--	--	--	--	--	--	--	--	--	--
2/22/00	--	--	--	--	--	--	--	--	--	--	--	--
4/25/00	--	--	--	--	--	--	--	--	--	--	--	--
7/25/00	--	--	--	--	--	--	--	--	--	--	--	--
10/30/00	--	--	--	--	--	--	--	--	--	--	--	--
1/22/01	--	--	--	--	--	--	--	--	--	--	--	--
4/24/01	--	--	85.80	6.29	102.75	5.09	105.98	5.21	--	--	--	--
7/24/01	104.00	6.65	84.83	7.26	101.80	6.04	104.97	6.22	--	--	--	--
10/23/01	103.53	7.12	84.08	8.01	101.50	6.34(a)	104.26	6.93	62.25	6.11	--	--
1/22/02	102.61	8.04	83.32	8.77	100.38	7.46	103.59	7.60	61.61	6.75	--	--
4/23/02	102.03	8.62	82.75	9.34	99.77	8.07	103.01	8.18	61.04	7.32	--	--
7/23/02	101.18	9.47	81.93	10.16	98.92	8.92	102.16	9.03	60.18	8.18	--	--
10/15/02	100.73	9.92	81.44	10.65	98.54	9.30	101.73	9.46	59.79	8.57	--	--
1/14/03	100.15	10.50	80.90	11.19	97.97	9.87	101.18	10.01	59.30	9.06	--	--
4/15/03	99.43	11.22	80.05	12.04	97.16	10.68	100.44	10.75	58.53	9.83	--	--
7/15/03	98.25	12.40	79.06	13.03	96.04	11.80	99.23	11.96	57.30	11.06	--	--
10/15/03	97.73	12.92	78.50	13.59	95.58	12.26	98.72	12.47	56.86	11.50	--	--
1/13/04	96.78	13.87	77.75	14.34	94.77	13.07	97.90	13.29	55.97	12.39	--	--
4/13/04	96.18	14.47	76.95	15.14	94.10	13.74	97.24	13.95	55.36	13.00	--	--
1/11/05	--	--	--	--	92.06	15.78	95.18	16.01	53.38	14.98	--	--
4/12/05	92.28	18.37	72.99	19.10	90.21	17.63	93.38	17.81	51.55	16.81	--	--
7/12/05	--	--	--	--	88.81	19.03	92.05	19.14	50.03	18.33	--	--
10/19/05	--	--	--	--	88.54	19.30	91.86	19.33	49.92	18.44	--	--
1/18/06	--	--	--	--	87.89	19.95	91.04	20.15	49.38	18.98	--	--
4/16/06	89.01	21.64	69.81	22.28	87.12	20.72	90.27	20.92	48.87	19.49	77.32	20.11
7/19/06	--	--	--	--	86.94	20.90	90.03	21.16	48.46	19.90	76.91	20.52
10/18/06	--	--	--	--	86.46	21.38	89.55	21.64	48.02	20.34	76.45	20.98
4/18/07	86.99	23.66	--	--	85.29	22.55	88.36	22.83	46.89	21.47	75.31	22.12
7/18/07	--	--	--	--	85.28	22.56	--	--	47.06	21.30	75.32	22.11
1/23/08	86.03	24.62	--	--	84.47	23.37	87.44	23.75	46.26	22.10	74.57	22.86
7/23/08	--	--	--	--	83.68	24.16	--	--	45.46	22.90	73.76	23.67
1/21/09	84.37	26.11	65.00	26.84	82.93	24.88	85.91	25.14	44.5	23.65	73.18	24.25
7/22/09	--	--	--	--	82.07	25.74	--	--	43.58	24.57	72.30	25.13
1/20/10	82.81	27.67	--	--	81.39	26.42	84.28	26.77	43.00	25.15	71.65	25.78
7/21/10	--	--	--	--	80.93	26.88	--	--	42.27	25.88	71.20	26.23
1/19/11	96.12	14.36	--	--	93.73	14.08	96.64	14.41	52.84	15.31	84.19	13.24
7/20/11	--	--	--	--	99.80	8.01	102.75	8.30	59.20	8.95	90.06	7.37
1/18/12	107.60	2.88	95.10	-3.26	104.96	2.85	107.88	3.17	63.87	4.28	95.04	2.39
7/18/12	--	--	--	--	107.08	0.73	--	--	66.56	1.59	96.67	0.76
1/23/13	115.87	-5.39	106.59	-14.75	112.68	-4.87	115.64	-4.59	70.80	-2.65	102.72	-5.29
7/24/13	--	--	115.81	-23.97	120.99	-13.18	--	--	78.70	-10.55	111.00	-13.57
1/22/14	130.81	-20.33	120.77	-28.93	127.25	-19.44	130.26	-19.21	85.40	-17.25	116.85	-19.42
7/23/14	136.90	-26.42	126.69	-34.85	133.04	-25.23	136.13	-25.08	90.50	-22.35	122.44	-25.01
1/22/15	140.28	-29.80	129.02	-37.18	136.67	-28.86	139.86	-28.81	89.80	-21.65	125.86	-28.43
7/22/15	143.10	-32.62	133.81	-41.97	139.04	-31.23	142.25	-31.20	96.31	-28.16	128.56	-31.13
1/20/16	148.99	-38.51	139.58	-47.74	144.64	-36.83	147.91	-36.86	101.56	-33.41	133.94	-36.51
7/20/16	150.03	-39.55	139.47	-47.63	145.85	-38.04	149.14	-38.09	104.22 (d)	-36.07 (d)	135.04	-37.61
8/31/16	151.74	-41.26	141.49	-49.65	147.42	-39.61	150.74	-39.69	104.31	-36.16	136.47	-39.78
1/18/17	153.84	-43.36	138.22	-46.38	--(e)	--(e)	152.57	-41.52	--	--	137.28	-40.59
3/7/17	152.21	-41.73	138.57	-46.73	147.63	-39.82	151.16	-40.11	105.60 (f)	-37.45 (f)	136.15	-39.46
7/19/17	154.00	-43.52	144.04	-52.20	149.68	-41.87	153.04	-41.99	106.38 (g)	-38.23 (g)	138.20	-41.51
1/17/18	156.12	-45.64	144.85	-53.01	151.57	-43.76	155.01	-43.96	108.94(j)	-40.79	140.32	-43.63
7/18/18	158.36	-47.88	148.26	-56.42	153.76	-45.95	157.17	-46.12	110.65	-42.50	142.61	-45.92
4/29/19	166.57	-56.09	156.31	-64.47	161.27	-53.46	164.87	-53.82	117.25	-49.10	149.97	-53.28
7/22/19	166.50(k)	-56.02(k)	156.76	-64.92	161.40	-53.59	165.56(l)	-54.51	117.70	-49.55	150.18	-53.49
1/15/20	166.58	-56.10	156.21	-64.37	161.89	-54.08	165.18	-54.13	118.43	-50.28	150.30	-53.61
Change*		-0.08		0.55		-0.49		0.38		-0.73		-0.12

TABLE 3b. HISTORIC GROUNDWATER ELEVATIONS - UPPER SILVERADO AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin, Los Angeles, California

Well ID	RMW-56		RMW-58		MWM-1		MWM-2		MWM-3		RPZ-5	
TOC	92.72 [13]		87.71 [14]		58.13		60.99		58.98		69.10 [15]	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
5/21/97	--	--	--	--	--	--	--	--	--	--	--	--
7/21/97	--	--	--	--	--	--	--	--	--	--	--	--
10/27/97	--	--	--	--	--	--	--	--	--	--	--	--
2/9/98	--	--	--	--	--	--	--	--	--	--	--	--
4/20/98	--	--	--	--	--	--	--	--	--	--	--	--
7/27/98	--	--	--	--	--	--	--	--	--	--	--	--
10/26/98	--	--	--	--	--	--	--	--	--	--	--	--
1/25/99	--	--	--	--	--	--	--	--	--	--	--	--
4/26/99	--	--	--	--	--	--	--	--	--	--	--	--
7/26/99	--	--	--	--	--	--	--	--	--	--	--	--
10/26/99	--	--	--	--	--	--	--	--	--	--	--	--
2/22/00	--	--	--	--	58.15	-0.03	60.59	0.40	58.76	0.22	--	--
4/25/00	--	--	--	--	51.68	0.44	56.74	4.25	58.47	0.49	--	--
7/25/00	--	--	--	--	56.40	1.72	59.03	1.96	57.22	1.74	--	--
10/30/00	--	--	--	--	--	--	--	--	--	--	--	--
1/22/01	--	--	--	--	55.37	2.76	57.57	3.42	56.08	2.90	--	--
4/24/01	--	--	--	--	54.73	3.40	56.74	4.25	55.40	3.58	65.40	3.67
7/24/01	--	--	--	--	53.61	4.52	55.67	5.32	54.37	4.61	64.25	4.82
10/23/01	--	--	--	--	52.80	5.33	55.11	5.88	53.71	5.27	63.32	5.75
1/22/02	--	--	--	--	52.43	5.70	54.55	6.44	53.18	5.80	62.33	6.74
4/23/02	--	--	--	--	51.77	6.36	53.85	7.14	52.51	6.47	61.10	7.97
7/23/02	--	--	--	--	51.01	7.12	53.16	7.83	51.73	7.25	NM	NM
10/15/02	--	--	--	--	50.45	7.68	52.67	8.32	51.20	7.78	NM	NM
1/14/03	--	--	--	--	50.21(a)	7.92	52.10	8.89	50.92	8.06	59.19	9.88
4/15/03	--	--	--	--	49.32	8.81	51.01	9.98	50.03	8.95	58.83	10.24
7/15/03	--	--	--	--	47.87	10.26	49.80	11.19	48.66	10.32	57.81	11.26
10/15/03	--	--	--	--	47.77	10.36	49.68	11.31	48.51	10.47	57.02	12.05
1/13/04	--	--	--	--	46.88	11.25	48.45	12.54	47.58	11.40	56.31	12.76
4/13/04	--	--	--	--	46.30	11.83	48.14	12.85	46.98	12.00	55.61	13.46
1/11/05	--	--	--	--	44.06	14.07	46.20	14.79	44.85	14.13	--	--
4/12/05	--	--	--	--	42.55	15.58	44.36	16.63	43.18	15.80	52.15	16.92
7/12/05	--	--	--	--	40.49	17.64	42.76	18.23	41.24	17.74	--	--
10/19/05	--	--	--	--	41.07	17.06	42.74	18.25	41.71	17.27	--	--
1/18/06	--	--	--	--	40.90	17.23	42.24	18.75	41.46	17.52	--	--
4/16/06	73.89	19.62	68.02	20.42	40.30	17.83	41.82	19.17	40.83	18.15	48.48	20.59
7/19/06	73.48	20.03	67.60	20.84	39.88	18.25	41.36	19.63	40.51	18.47	--	--
10/18/06	73.08	20.43	67.15	21.29	39.58	18.55	40.91	20.08	40.09	18.89	--	--
4/18/07	71.99	21.52	66.02	22.42	--	--	--	--	--	--	--	--
7/18/07	71.98	21.53	65.90	22.54	--	--	--	--	--	--	--	--
1/23/08	71.28	22.23	65.16	23.28	--	--	--	--	--	--	--	--
7/23/08	70.48	23.03	64.34	24.10	--	--	--	--	--	--	--	--
1/21/09	70.14	23.37	63.95	23.76	--	--	--	--	--	--	43.38	25.72
7/22/09	69.06	24.45	63.02	24.69	--	--	--	--	--	--	--	--
1/20/10	68.54	24.97	62.34	25.37	--	--	--	--	--	--	--	--
7/21/10	67.91	25.60	61.94	25.77	--	--	--	--	--	--	--	--
1/19/11	80.04	13.47	76.18	11.53	--	--	--	--	--	--	--	--
7/20/11	85.74	7.77	81.96	5.75	--	--	--	--	--	--	49.02	20.08
1/18/12	90.60	2.91	86.98	1.46	--	--	--	--	--	--	52.83	16.27
7/18/12	92.27	1.24	88.04	0.40	--	--	--	--	--	--	--	--
1/23/13	98.02	-4.51	95.19	-6.75	--	--	--	--	--	--	58.65	10.45
7/24/13	105.95	-12.44	103.6	-15.16	--	--	--	--	--	--	63.26	5.84
1/22/14	111.48	-17.97	109.15	-20.71	--	--	--	--	--	--	67.57	1.53
7/23/14	116.96	-23.45	115.05	-26.61	--	--	--	--	--	--	71.48	-2.38
1/22/15	120.23	-26.72	118.13	-29.69	--	--	--	--	--	--	74.99	-5.89
7/22/15	122.88	-29.37	121.30	-32.86	83.55	-25.42	88.71	-27.72	--	--	77.28	-8.18
1/20/16	127.98	-34.47	126.68	-38.24	89.41	-31.28	93.93	-32.94	--	--	80.07	-10.97
7/20/16	129.28	-35.77	127.55	-39.11	--	--	--	--	--	--	82.41	-13.31
8/31/16	130.56	-37.84	129.19	-41.48	--	--	--	--	--	--	82.88	-13.78
1/18/17	131.56	-38.84	129.15	-41.44	--	--	--	--	--	--	84.57	-15.47
3/7/17	130.44	-37.72	128.29	-40.58	--	--	--	--	--	--	84.85	-15.75
7/19/17	132.66	-39.94	131.54	-43.83	--	--	--	--	--	--	84.02	-14.92
1/17/18	134.46	-41.74	132.77	-45.06	--	--	--	--	--	--	86.90	-17.80
7/18/18	136.62	-43.90	135.29	-47.58	--	--	--	--	--	--	87.62	-18.52
4/29/19	143.56	-50.84	142.69	-54.98	--	--	--	--	--	--	90.52	-21.42
7/22/19	143.84	-51.12	143.00	-55.29	--	--	--	--	--	--	91.21(k)	-22.11(k)
1/15/20	144.09	-51.37	143.11	-55.40	--	--	--	--	--	--	92.20	-23.10
Change*		-0.25	.	-0.11		--		--		--		-0.99

TABLE 3b. HISTORIC GROUNDWATER ELEVATIONS - UPPER SILVERADO AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin, Los Angeles, California

Well ID	RPZ-6		RPZ-8	
TOC	150.12 [16]		58.76 [17]	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
5/21/97	--	--	--	--
7/21/97	--	--	--	--
10/27/97	--	--	--	--
2/9/98	--	--	--	--
4/20/98	--	--	--	--
7/27/98	--	--	--	--
10/26/98	--	--	--	--
1/25/99	--	--	--	--
4/26/99	--	--	--	--
7/26/99	--	--	--	--
10/26/99	--	--	--	--
2/22/00	--	--	--	--
4/25/00	--	--	--	--
7/25/00	--	--	--	--
10/30/00	--	--	--	--
1/22/01	--	--	--	--
4/24/01	143.12	7.18	--	--
7/24/01	142.16	8.14	52.38	6.14
10/23/01	141.12	9.18	52.35	6.17(a)
1/22/02	140.09	10.21	51.98	6.54
4/23/02	139.20	11.10	51.42	7.10
7/23/02	138.15	12.15	50.57	7.95
10/15/02	137.23	13.07	50.25	8.27
1/14/03	136.35	13.95	49.74	8.78
4/15/03	135.74	14.56	49.01	9.51
7/15/03	134.54	15.76	47.78	10.74
10/15/03	133.63	16.67	47.36	11.16
1/13/04	132.67	17.63	46.50	12.02
4/13/04	131.64	18.66	45.86	12.66
1/11/05	--	--	--	--
4/12/05	127.62	22.68	42.07	16.45
7/12/05	--	--	--	--
10/19/05	--	--	--	--
1/18/06	--	--	39.97	18.55
4/16/06	123.19	27.11	39.49	19.03
7/19/06	--	--	39.12	19.40
10/18/06	--	--	38.69	19.83
4/18/07	--	--	--	--
7/18/07	--	--	--	--
1/23/08	--	--	--	--
7/23/08	--	--	--	--
1/21/09	115.09	35.03	35.64	23.12
7/22/09	--	--	--	--
1/20/10	--	--	--	--
7/21/10	--	--	--	--
1/19/11	--	--	--	--
7/20/11	120.10	30.02	48.20	10.56
1/18/12	123.49	26.63	53.09	5.67
7/18/12	--	--	--	--
1/23/13	128.61	21.51	59.50	-0.74
7/24/13	133.36	16.76	66.74	-7.98
1/22/14	137.44	12.68	72.74	-13.98
7/23/14	141.17	8.95	77.81	-19.05
1/22/15	144.58	5.54	82.07	-23.31
7/22/15	147.29	2.83	83.46	-24.70
1/20/16	150.36	-0.24	88.55	-29.79
7/20/16	152.83	-2.71	90.74	-31.98
8/31/16	153.56	-3.44	91.52	-32.76
1/18/17	156.08	-5.96	94.52	-35.76
3/7/17	156.17	-6.05	93.62	-34.86
7/19/17	--(e)	--(e)	94.50	-35.74
1/17/18	159.93	-9.81	96.47	-37.71
7/18/18	162.77	-12.65	99.02	-40.26
4/29/19	165.02	-14.90	103.61	-44.85
7/22/19	166.60(k)	-16.48(k)	104.70(k)	-45.94(k)
1/15/20	168.30	-18.18	105.77	-47.01
Change*		-1.70		-1.07

**TABLE 3b. HISTORIC GROUNDWATER ELEVATIONS - UPPER SILVERADO AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin; Los Angeles, California**

NOTES:

TOC indicates top of casing elevation; Depth to groundwater is in feet below top of casing.

Elevation is in feet above or below Mean Sea Level datum (msl).

* Difference between two most recent semiannual measurements (July 2019 and January 2020).

(a) Groundwater elevation appears anomalous, possibly due to measurement error.

(b) Water level measured on 1/19/16.

(c) Water level measured on 7/21/2016.

(d) Water level measured on 8/15/2016.

(e) Data not available due to access issues.

(f) Water level measured on 3/8/2017.

(g) Water level measured on 7/18/2017.

(h) Water level measured on 2/1/2018.

(i) Water level measured on 1/31/2018.

(j) Water level measured on 1/23/2018.

(k) Water level measured on 7/23/2019.

(l) Water level measured on 8/7/2019.

NM - Water level could not be measured due to new asphalt pavement over well box.

TOC Resurveys:

(1) Water elevations prior to August 2016 were calculated using a TOC elevation of 101.02.

(2) Water elevations prior to August 2016 were calculated using a TOC elevation of 102.44.

(3) Water elevations prior to November 2008 were calculated using a TOC elevation of 61.56.

(4) Water elevations prior to November 2008 were calculated using a TOC elevation of 105.32.

(5) TOC was resurveyed after well casing was cut during well box maintenance.

Water elevations prior to July 2002 were calculated using a TOC elevation of 107.49.

(6) Water elevations prior to November 2008 were calculated using a TOC elevation of 102.43.

(7) Water elevations prior to November 2008 were calculated using a TOC elevation of 110.65.

(8) Water elevations prior to November 2008 were calculated using a TOC elevation of 92.09.

(9) Water elevations prior to November 2008 were calculated using a TOC elevation of 107.84.

(10) Water elevations prior to November 2008 were calculated using a TOC elevation of 111.19.

(11) Water elevations prior to November 2008 were calculated using a TOC elevation of 68.36.

(12) Water elevations prior to August 2016 were calculated using a TOC elevation of 97.43.

(13) Water elevations prior to August 2016 were calculated using a TOC elevation of 93.51.

(14) Water elevations prior to August 2016 were calculated using a TOC elevation of 88.44.

(15) Water elevations prior to November 2008 were calculated using a TOC elevation of 69.07.

(16) Water elevations prior to November 2008 were calculated using a TOC elevation of 150.30.

(17) Water elevations prior to November 2008 were calculated using a TOC elevation of 58.52.

TABLE 3c. HISTORIC GROUNDWATER ELEVATIONS - LOWER SILVERADO AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin, Los Angeles, California

Well ID	RMW-2A		RMW-8		RMW-15	
TOC	124.09		91.92		101.53	
Date	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)	Depth (ft)	Elevation (ft msl)
05/21/97	145.63	-21.54	--	--	--	--
07/21/97	143.27	-19.18	111.31	-19.39	--	--
10/27/97	140.00	-15.91	108.05	-16.13	--	--
02/09/98	137.19	-13.10	105.28	-13.36	--	--
04/20/98	135.24	-11.15	103.25	-11.33	--	--
07/27/98	132.70	-8.61	100.46	-8.54	--	--
10/26/98	131.26	-7.17	99.31	-7.39	108.81	-7.28
01/25/99	129.23	-5.14	97.27	-5.35	106.75	-5.22
04/26/99	127.37	-3.28	95.30	-3.38	104.64	-3.11
07/26/99	125.49	-1.40	93.71	-1.79	102.99	-1.46
10/26/99	124.10	-0.01	92.30	-0.38	101.47	0.06
02/22/00	122.56	1.53	90.95	0.97	100.06	1.47
04/25/00	121.50	2.59	89.95	1.97	99.18	2.35
07/25/00	120.38	3.71	88.88	3.04	98.13	3.40
10/30/00	119.40	4.69	88.07	3.85	97.24	4.29
01/22/01	118.42	5.67	87.21	4.71	96.33	5.20
04/24/01	117.44	6.65	86.20	5.72	95.27	6.26
07/24/01	116.43	7.66	85.26	6.66	94.46	7.07
10/23/01	115.57	8.52	84.51	7.41	93.63	7.90
01/22/02	114.73	9.36	83.71	8.21	92.86	8.67
04/23/02	114.04	10.05	83.18	8.74	92.31	9.22
07/23/02	113.21	10.88	82.37	9.55	91.50	10.03
10/15/02	112.57	11.52	81.89	10.03	91.00	10.53
01/14/03	111.92	12.17	81.34	10.58	90.30	11.23
04/15/03	111.19	12.90	80.48	11.44	89.42	12.11
07/15/03	110.14	13.95	79.47	12.45	88.52	13.01
10/15/03	109.46	14.63	78.94	12.98	88.01	13.52
01/13/04	108.61	15.48	78.20	13.72	87.21	14.32
04/13/04	107.80	16.29	77.41	14.51	86.32	15.21
01/11/05	--	--	--	--	84.02(a)	17.51
04/12/05	103.83	20.26	73.45	18.47	82.35	19.18
07/12/05	--	--	--	--	81.22	20.31
10/19/05	--	--	--	--	80.62	20.91
01/18/06	--	--	--	--	79.88	21.65
04/19/06	100.11	23.98	70.36	21.56	79.19	22.34
07/19/06	--	--	--	--	78.68	22.85
10/18/06	--	--	--	--	78.14	23.39
04/18/07	--	--	68.15	23.77	76.89	24.64
07/18/07	--	--	--	--	--	--
01/23/08	--	--	67.20	24.72	75.77	25.76
07/23/08	--	--	--	--	--	--
01/12/09	--	--	65.89	26.03	74.34	27.19
07/22/09	--	--	--	--	--	--
01/20/10	--	--	64.40	27.52	72.40	29.13
07/21/10	--	--	--	--	--	--
01/19/11	--	--	82.82	9.10	95.21	6.32
07/20/11	--	--	88.18	3.74	--	--
01/18/12	--	--	93.57	-1.65	103.59	-2.06
07/18/12	--	--	--	--	--	--
01/23/13	--	--	104.51	-12.59	104.51	-2.98
07/24/13	--	--	112.34	-20.42	--	--
01/22/14	--	--	117.44	-25.52	129.92	-28.39
07/23/14	--	--	--	--	--	--
01/22/15	--	--	126.41	-34.49	139.07	-37.54
07/22/15	--	--	128.68	-36.76	143.73	-42.20
01/20/16	--	--	135.80 (b)	-43.88 (b)	149.33	-47.80
07/20/16	--	--	136.12	-44.20	--(c)	--(c)
08/31/16	--	--	138.91	-46.99	152.40	-50.87
01/18/17	--	--	137.31	-45.39	--	--
03/07/17	--	--	136.45	-44.53	149.52	-47.99(d)
07/19/17	--	--	140.58	-48.66	154.95	-53.42
01/17/18	--	--	141.35	-49.43	154.27(e)	-52.74
07/18/18	--	--	144.51	-52.59	156.71	-55.18
04/29/19	--	--	152.65	-60.73	166.68	-65.15
07/22/19	--	--	153.50	-61.58	167.40	-65.87
01/15/20	--	--	153.12	-61.20	166.83	-65.30
Change*	--	--	--	0.38	--	0.57

TABLE 3c. HISTORIC GROUNDWATER ELEVATIONS - LOWER SILVERADO AQUIFER
Regional Wells, 5/97-1/20; Charnock Sub-Basin, Los Angeles, California

NOTES:

TOC indicates top of casing elevation; Depth to groundwater is in feet below top of casing.

Elevation is in feet above or below Mean Sea Level datum (msl).

* Difference between two most recent semiannual measurements (July 2019 and January 2020).

(a) Water level measured on 1/31/05.

(b) Water level measured on 1/19/16.

(c) Data not available due to access issues.

(d) Water level measured on 3/6/17.

(e) Water level measured on 1/25/18.

TABLE 4. SUMMARY OF DRINKING WATER QUALITY CRITERIA
Charnock Sub-Basin; Los Angeles, California

PARAMETER	EQL (µg/L)	California DPH			
		Primary MCL ¹ (µg/L)	Secondary MCL ² (µg/L)	NL ² (µg/L)	PHG ^{1,3} (µg/L)
Fuel Constituents					
Methyl-tert-Butyl Ether (MTBE)	0.5	13	5	--	13
tert-Butyl Alcohol (TBA)	10	--	--	12	--
tert-Amyl Methyl Ether (TAME)	0.5	--	--	--	--
Di-isoprpyl Ether (DIPE)	0.5	--	--	--	--
Ethyl-tert-Butyl Ether (ETBE)	0.5	--	--	--	--
1,2,4-Trimethylbenzene	0.5	--	--	330	--
1,3,5-Trimethylbenzene	0.5	--	--	330	--
Ethanol	150	--	--	--	--
Benzene	0.50	1	--	--	0.15
Ethylbenzene	0.5	300	--	--	300
Toluene	0.5	150	--	--	150
m/p-Xylenes	1.0	1,750	--	--	1,800
o-Xylene	0.5	1,750	--	--	1,800
Total Xylenes	1.5	1,750	--	--	1,800
TPH-gasoline (C6-C12)	50	--	--	--	--
TPH-gasoline (C4-C12)	50	--	--	--	--
Volatile Organics (EPA Method 8260B)					
Acetone	20	--	--	--	--
Bromobenzene	0.5	--	--	--	--
Bromoform	1.0	--	--	--	--
Bromochloromethane	0.5	--	--	--	--
Bromodichloromethane	0.5	--	--	--	--
Bromomethane	1	--	--	--	--
n-Butyl-benzene	1.0	--	--	260	--
sec-Butyl-benzene	0.5	--	--	260	--
tert-Butyl-benzene	0.5	--	--	260	--
Carbon Disulfide	1	--	--	160	--
Carbon tetrachloride	0.5	0.5	--	--	0.1
Chloroform	0.5	--	--	--	--
Chlorobenzene	0.5	70	--	--	200
2-Chlorotoluene	0.5	--	--	140	--
4-Chlorotoluene	0.5	--	--	140	--
Chloroethane	1.0	--	--	--	--
Chloromethane	1	--	--	--	--
p-Isopropyl-toluene	0.5	--	--	--	--
Dibromochloromethane	0.5	--	--	--	--
1,2-Dibromo-3-chloropropane	1.0	0.2	--	--	0.0017
Dibromomethane	0.5	--	--	--	--
1,1-Dichloroethane (1,1-DCA)	0.5	5	--	--	3
1,2-Dichloroethane (1,2-DCA)	0.50	0.5	--	--	0.4
1,2-Dichlorobenzene	0.5	600	--	--	600
1,3-Dichlorobenzene	0.5	--	--	--	--
1,4-Dichlorobenzene	0.5	5	--	--	6

TABLE 4. SUMMARY OF DRINKING WATER QUALITY CRITERIA
Charnock Sub-Basin; Los Angeles, California

PARAMETER	EQL (µg/L)	California DPH			
		Primary MCL ¹ (µg/L)	Secondary MCL ² (µg/L)	NL ² (µg/L)	PHG ^{1,3} (µg/L)
1,1-Dichloroethene (1,1-DCE)	0.5	6	--	--	10
cis-1,2-Dichloroethene (cis-1,2-DCE)	0.5	6	--	--	13
trans-1,2-Dichloroethene (trans-1,2-DCE)	0.5	10	--	--	50
1,1-Dichloropropene	0.5	--	--	--	--
cis-1,3-Dichloropropene	0.50	0.5	--	--	0.2
trans-1,3-Dichloropropene	0.50	0.5	--	--	0.2
1,2-Dichloropropane	0.5	5	--	--	0.5
1,3-Dichloropropane	0.5	--	--	--	--
2,2-Dichloropropane	1.0	--	--	--	--
1,2-Dibromoethane (EDB)	0.5	0.05	--	--	0.01
Trichlorofluoromethane (Freon 11)	0.5	150	--	--	1,300
Dichlorofluoromethane (Freon 12)	1.0	--	--	1,000	--
Isopropylbenzene	0.5	--	--	770	--
n-Propylbenzene	0.5	--	--	260	--
2-Butanone (MEK)	5	--	--	--	--
4-Methyl-2-pentanone (MIBK)	6	--	--	120	--
Methylene Chloride	2	5	--	--	4
Naphthalene	1	--	--	17	--
Styrene	0.5	100	--	--	--
1,1,1,2-Tetrachloroethane	0.5	--	--	--	--
1,1,2,2-Tetrachloroethane	0.5	1	--	--	0.1
Tetrachloroethene (PCE)	0.5	5	--	--	0.06
1,1,1-Trichloroethane (1,1,1-TCA)	0.5	200	--	--	1,000
1,1,2-Trichloroethane	0.5	5	--	--	0.3
Trichloroethene (TCE)	0.5	5	--	--	1.7
1,2,3-Trichlorobenzene	1.0	--	--	--	--
1,2,4-Trichlorobenzene	1.0	5	--	--	5
1,2,3-Trichloropropane	1.0	--	--	0.005	--
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2	1,200	--	--	4,000
Vinyl Chloride	0.50	0.5	--	--	0.05

Notes:

-- means None Available

µg/L = micrograms per liter

DPH = California Department of Public Health (formerly Department of Health Services)

EQL = Laboratory Estimated Quantitation Limit

MCL = Maximum Contaminant Level

NL = Notification Level

PHG = Public Health Goal

Sources:

1 California Code of Regulations. 2019. Title 22, Chapter 15: Domestic Water Quality and Monitoring. March 13. Accessed 6/6/20 at: http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/MCLsandPHGs.shtml

2 California Department of Health Services. 2020. Drinking Water Program. February 6. Accessed 6/6/20 at: http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/NotificationLevels.shtml

3 Cal/EPA. 2020. Office of Environmental Health Hazard Assessment (OEHHA) Public Health Goals. February 7. Accessed 6/6/20 at: <https://oehha.ca.gov/water/public-health-goals-phgs>

TABLE 5a. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS, January 2020 - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Well No.	Aquifer	Sample Date	MTBE	TBA	TAME	DIPE	ETBE	1,2,4-TMB	1,3,5-TMB	Ethanol	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Volatile Fuel Hydrocarbons	
			EPA Method 8260B														C6-C12
EQL (µg/L):			0.50	10	0.50	0.50	0.50	0.50	0.50	150	0.50	0.50	0.50	1.0	0.50	50	50
SILVERADO AQUIFER																	
RMW-3	Upper Silverado	1/24/20	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<75	<0.25	<0.25	<0.25	<0.50	<0.25	<25	<25
RMW-6	Upper Silverado	1/23/20	0.72	140	<0.25	<0.25	<0.25	<0.25	<0.25	<75	<0.25	<0.25	<0.25	<0.50	<0.25	<25	<25
RMW-9	Upper Silverado	1/22/20	0.29 J	5.0 UJ	<0.25	<0.25	<0.25	0.42 J	<0.25	75 UJ	<0.25	<0.25	<0.25	<0.50	0.26 J	<25	<25
RMW-11	Upper Silverado	1/23/20	0.52	<5.0	<0.25	<0.25	<0.25	0.29 J	<0.25	<75	<0.25	<0.25	<0.25	<0.50	<0.25	<25	28 J
RMW-13	Upper Silverado	1/24/20	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<75	<0.25	<0.25	<0.25	<0.50	<0.25	<25	<25
RMW-14	Upper Silverado	1/21/20	<0.25	5.0 UJ	<0.25	<0.25	<0.25	6.7	1.8	75 UJ	<0.25	0.46 J	0.50	4.1	3.1	84	77
RMW-17	Upper Silverado	1/21/20	<0.25	5.0 UJ	<0.25	<0.25	<0.25	0.68	<0.25	75 UJ	<0.25	<0.25	0.34 J	1.0	0.76	<25	<25
RMW-19	Upper Silverado	1/23/20	0.98	<5.0	<0.25	<0.25	<0.25	0.25 J	<0.25	<75	<0.25	<0.25	<0.25	<0.50	<0.25	39 J	100
RMW-21	Upper Silverado	1/24/20	4.5	<5.0	<0.25	<0.25	<0.25	0.28 J	<0.25	<75	<0.25	<0.25	<0.25	<0.50	<0.25	<25	<25
RMW-21-fd	Upper Silverado	1/24/20	4.6	<5.0	<0.25	<0.25	<0.25	0.30 J	<0.25	<75	<0.25	<0.25	<0.25	<0.50	<0.25	<25	<25
RMW-23	Upper Silverado	1/23/20	1.8	<5.0	<0.25	<0.25	<0.25	0.40 J	<0.25	<75	<0.25	<0.25	<0.25	0.51 J	0.28 J	<25	27 J
RMW-28	Upper Silverado	1/21/20	<0.25	5.0 UJ	<0.25	<0.25	<0.25	1.5	0.47 J	75 UJ	<0.25	0.36 J	0.86	2.7	2.3	34 J	32 J
RMW-30	Upper Silverado	1/22/20	0.96	5.0 UJ	<0.25	<0.25	<0.25	0.31 J	<0.25	75 UJ	<0.25	<0.25	<0.25	<0.50	0.25 J	<25	<25
RMW-30-fd	Upper Silverado	1/22/20	0.87	5.0 UJ	<0.25	<0.25	<0.25	0.37 J	<0.25	75 UJ	<0.25	<0.25	<0.25	<0.50	0.27 J	<25	<25
RMW-49	Upper Silverado	1/23/20	<0.25	<5.0	<0.25	<0.25	<0.25	0.32 J	<0.25	<75	<0.25	<0.25	<0.25	<0.50	0.28 J	<25	<25
RMW-50	Upper Silverado	1/22/20	0.42 J	8.0 J	<0.25	<0.25	<0.25	0.51	<0.25	<75	<0.25	<0.25	<0.25	0.54 J	0.31 J	<25	<25
RMW-54	Upper Silverado	1/22/20	1.8	5.0 UJ	<0.25	<0.25	<0.25	<0.25	<0.25	75 UJ	<0.25	<0.25	<0.25	<0.50	<0.25	<25	<25
Monitoring Wells Located at Charnock Well Field																	
KMX-MW1	Shallow and USA	1/15/20	DRY; insufficient water to sample														
KMX-MW2	Shallow and USA	1/15/20	DRY; insufficient water to sample														

**TABLE 5a. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS, January 2020 - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California**

Notes:

All units are in micrograms per liter (µg/L), or parts per billion

EQL = Estimated Quantitation Limit

fd = duplicate sample

<xx = Analyte not detected above the indicated detection limit

J = Estimated value

UJ = The analyte was analyzed for, but it was not detected and the sample detection limit is an estimated quantity.

Volatile fuel hydrocarbons were analyzed using EPA Method 8015B (M).

Shallow and USA = well is screened in both the Shallow Aquifer and the Upper Silverado Aquifer

TABLE 5b. SUMMARY OF QC SAMPLE RESULTS, January 2020 - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Sample ID No.	Sample Type	Sample Date	MTBE	TBA	TAME	DIPE	ETBE	1,2,4-TMB	1,3,5-TMB	Ethanol	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Volatile Fuel Hydrocarbons		
			EPA Method 8260B														C6-C12	C4-C12
			EQL (µg/L):			0.50	10	0.50	0.50	0.50	0.50	150	0.50	0.50	0.50	1.0	0.50	50
RMW-3-20200124-EB	EB	1/24/20	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<75	<0.25	<0.25	<0.25	<0.50	<0.25	na	na	
RMW-3-20200124-TB	TB	1/24/20	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<75	<0.25	<0.25	<0.25	<0.50	<0.25	na	na	
RMW-9-20200122-EB	EB	1/22/20	<0.25	5.0 UJ	<0.25	<0.25	<0.25	<0.25	<0.25	75 UJ	<0.25	<0.25	<0.25	<0.50	<0.25	na	na	
RMW-11-20200123-AB	AB	1/23/20	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<75	<0.25	<0.25	<0.25	<0.50	<0.25	na	na	
RMW-17-20200121-AB	AB	1/21/20	<0.25	5.0 UJ	<0.25	<0.25	<0.25	<0.25	<0.25	75 UJ	<0.25	<0.25	<0.25	<0.50	<0.25	na	na	
RMW-28-20200121-TB	TB	1/21/20	<0.25	5.0 UJ	<0.25	<0.25	<0.25	<0.25	<0.25	75 UJ	<0.25	<0.25	<0.25	<0.50	<0.25	<25	<25	
RMW-50-20200122-TB	TB	1/22/20	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<75	<0.25	<0.25	<0.25	<0.50	<0.25	na	na	
RMW-54-20200122-TB	TB	1/22/20	<0.25	5.0 UJ	<0.25	<0.25	<0.25	<0.25	<0.25	75 UJ	<0.25	<0.25	<0.25	<0.50	<0.25	na	na	

Notes:

AB = Atmospheric blank

EB = Equipment blank

TB = Trip blank

na = Not analyzed

EQL = Estimated Quantitation Limit.

<xx = Analyte not detected above the indicated detection limit.

J = Estimated value

UJ = The analyte was analyzed for, but it was not detected and the sample detection limit is an estimated quantity.

Detections are shown in **bold**.

MTBE = Methyl Tert-Butyl Ether

TBA = Tert-Butyl Alcohol

TAME = Tert-Amyl Methyl Ether

DIPE = Di-isopropyl Ether

ETBE = Ethyl Tert-Butyl Ether

TABLE 6a. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS, January 2020 - VOCs
Charnock Sub-Basin; Los Angeles, California

Well No.	Aquifer	Sample Date	Acetone	Bromo-benzene	Bromo-form	Bromo-chloro-methane	Bromo-dichloro-methane	Bromo-methane	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Carbon Disulfide	Carbon tetra-chloride	Chloro-form	Chloro-benzene
EPA Method 8260B EQL (µg/L):			20	0.50	1.0	0.50	0.50	0.50	1.0	0.50	0.50	1.0	0.50	0.50	0.50
SILVERADO AQUIFER															
RMW-3	Upper Silverado	1/24/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	1.1	<0.25
RMW-6	Upper Silverado	1/23/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-9	Upper Silverado	1/22/20	<10	<0.25	0.40 UJ	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	0.25 UJ	<0.25	<0.25
RMW-11	Upper Silverado	1/23/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-13	Upper Silverado	1/24/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-14	Upper Silverado	1/21/20	<10	<0.25	0.40 UJ	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	0.25 UJ	<0.25	<0.25
RMW-17	Upper Silverado	1/21/20	<10	<0.25	0.40 UJ	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	0.25 UJ	<0.25	<0.25
RMW-19	Upper Silverado	1/23/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-21	Upper Silverado	1/24/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-21-fd	Upper Silverado	1/24/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-23	Upper Silverado	1/23/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-28	Upper Silverado	1/21/20	<10	<0.25	0.40 UJ	<0.25	<0.25	0.25 UJ	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-30	Upper Silverado	1/22/20	<10	<0.25	0.40 UJ	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	0.25 UJ	<0.25	<0.25
RMW-30-fd	Upper Silverado	1/22/20	<10	<0.25	0.40 UJ	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	0.25 UJ	<0.25	<0.25
RMW-49	Upper Silverado	1/23/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-50	Upper Silverado	1/22/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-54	Upper Silverado	1/22/20	<10	<0.25	0.40 UJ	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	0.25 UJ	<0.25	<0.25

Notes:

All units are in micrograms per liter (µg/L), or parts per billion.

EQL = Estimated Quantitation Limit.

fd = duplicate sample

<xx = Analyte not detected above the indicated detection limit.

J = Estimated value.

UJ Qualifier: A "UJ" qualifier is defined as meaning the analyte was analyzed for, but it was not detected and the sample quantitation or detection limit is an estimated quantity.

TABLE 6a. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS, January 2020 - VOCs
Charnock Sub-Basin; Los Angeles, California

Well No.	Aquifer	Sample Date	2-Chloro-toluene	4-Chloro-toluene	Chloro-ethane	Chloro-methane	p-Isopropyl-toluene	Dibromo-chloro-methane	1,2-Dibromo-3-chloro-propane	Dibromo-methane	1,1-DCA	1,2-DCA	1,2-Dichloro-benzene	1,3-Dichloro-benzene
EPA Method 8260B EQL (µg/L):			0.50	0.50	1.0	0.50	0.50	0.50	1.0	0.50	0.50	0.50	0.50	0.50
SILVERADO AQUIFER														
RMW-3	Upper Silverado	1/24/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	0.70	<0.25	<0.25
RMW-6	Upper Silverado	1/23/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-9	Upper Silverado	1/22/20	<0.25	<0.25	<0.40	0.25 UJ	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-11	Upper Silverado	1/23/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-13	Upper Silverado	1/24/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-14	Upper Silverado	1/21/20	<0.25	<0.25	<0.40	0.25 UJ	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-17	Upper Silverado	1/21/20	<0.25	<0.25	<0.40	0.25 UJ	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-19	Upper Silverado	1/23/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-21	Upper Silverado	1/24/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-21-fd	Upper Silverado	1/24/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-23	Upper Silverado	1/23/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	0.26 J	<0.25	<0.25
RMW-28	Upper Silverado	1/21/20	<0.25	<0.25	0.40 UJ	0.25 UJ	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-30	Upper Silverado	1/22/20	<0.25	<0.25	<0.40	0.25 UJ	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-30-fd	Upper Silverado	1/22/20	<0.25	<0.25	<0.40	0.25 UJ	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-49	Upper Silverado	1/23/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-50	Upper Silverado	1/22/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-54	Upper Silverado	1/22/20	<0.25	<0.25	<0.40	0.25 UJ	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25

Notes:

All units are in micrograms per liter (µg/L), or parts per billion.

EQL = Estimated Quantitation Limit.

fd = duplicate sample

<xx = Analyte not detected above the indicated detection limit.

J = Estimated value.

UJ Qualifier: A "UJ" qualifier is defined as meaning the analyte was analyzed for, but it was not detected and the sample quantitation or detection limit is an estimated quantity.

TABLE 6a. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS, January 2020 - VOCs
Charnock Sub-Basin; Los Angeles, California

Well No.	Aquifer	Sample Date	1,4-Dichloro-benzene	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	1,1-Dichloro-propene	cis-1,3-Dichloro-propene	trans-1,3-Dichloro-propene	1,2-Dichloro-propane	1,3-Dichloro-propane	2,2-Dichloro-propane	1,2-Dibromo-ethane (EDB)	Trichloro-fluoro-methane (Freon 11)
EPA Method 8260B EQL (µg/L):			0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.0	0.50	0.50
SILVERADO AQUIFER														
RMW-3	Upper Silverado	1/24/20	<0.25	1.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25
RMW-6	Upper Silverado	1/23/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25
RMW-9	Upper Silverado	1/22/20	<0.25	<0.25	0.63	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 UJ	0.40 UJ	<0.25	0.25 UJ
RMW-11	Upper Silverado	1/23/20	<0.25	<0.25	13	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25
RMW-13	Upper Silverado	1/24/20	<0.25	<0.25	16	0.53	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25
RMW-14	Upper Silverado	1/21/20	<0.25	<0.25	0.48 J	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 UJ	0.40 UJ	<0.25	0.25 UJ
RMW-17	Upper Silverado	1/21/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 UJ	0.40 UJ	<0.25	0.25 UJ
RMW-19	Upper Silverado	1/23/20	<0.25	<0.25	65	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25
RMW-21	Upper Silverado	1/24/20	<0.25	<0.25	1.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25
RMW-21-fd	Upper Silverado	1/24/20	<0.25	<0.25	1.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25
RMW-23	Upper Silverado	1/23/20	<0.25	<0.25	15	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25
RMW-28	Upper Silverado	1/21/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 UJ	<0.40	<0.25	<0.25
RMW-30	Upper Silverado	1/22/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 UJ	0.40 UJ	<0.25	0.25 UJ
RMW-30-fd	Upper Silverado	1/22/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 UJ	0.40 UJ	<0.25	0.25 UJ
RMW-49	Upper Silverado	1/23/20	<0.25	<0.25	3.9	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25
RMW-50	Upper Silverado	1/22/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25
RMW-54	Upper Silverado	1/22/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 UJ	0.40 UJ	<0.25	0.25 UJ

Notes:

All units are in micrograms per liter (µg/L), or parts per billion.

EQL = Estimated Quantitation Limit.

fd = duplicate sample

<xx = Analyte not detected above the indicated detection limit.

J = Estimated value.

UJ Qualifier: A "UJ" qualifier is defined as meaning the analyte was analyzed for, but it was not detected and the sample quantitation or detection limit is an estimated quantity.

TABLE 6a. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS, January 2020 - VOCs
Charnock Sub-Basin; Los Angeles, California

Well No.	Aquifer	Sample Date	Dichloro-fluoro-methane (Freon 12)	Isopropyl-benzene	n-Propyl-benzene	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Methylene chloride	Naphthalene	1,1,1,2-PCA	1,1,2,2-PCA	PCE	Styrene	1,1,1-TCA
EPA Method 8260B EQL (µg/L):			1.0	0.50	0.50	5.0	5.0	2.0	1.0	0.50	0.50	0.50	0.50	0.50
SILVERADO AQUIFER														
RMW-3	Upper Silverado	1/24/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-6	Upper Silverado	1/23/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-9	Upper Silverado	1/22/20	0.40 UJ	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	0.25 UJ	<0.25	<0.25	<0.25
RMW-11	Upper Silverado	1/23/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-13	Upper Silverado	1/24/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-14	Upper Silverado	1/21/20	0.40 UJ	<0.25	0.41 J	<2.5	<2.5	<0.88	0.72 J	<0.25	0.25 UJ	<0.25	<0.25	<0.25
RMW-17	Upper Silverado	1/21/20	0.40 UJ	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	0.25 UJ	<0.25	<0.25	<0.25
RMW-19	Upper Silverado	1/23/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	0.37 J	<0.25	<0.25
RMW-21	Upper Silverado	1/24/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-21-fd	Upper Silverado	1/24/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-23	Upper Silverado	1/23/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-28	Upper Silverado	1/21/20	0.40 UJ	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-30	Upper Silverado	1/22/20	0.40 UJ	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	0.25 UJ	<0.25	<0.25	<0.25
RMW-30-fd	Upper Silverado	1/22/20	0.40 UJ	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	0.25 UJ	<0.25	<0.25	<0.25
RMW-49	Upper Silverado	1/23/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-50	Upper Silverado	1/22/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-54	Upper Silverado	1/22/20	0.40 UJ	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	0.25 UJ	<0.25	<0.25	<0.25

Notes:

All units are in micrograms per liter (µg/L), or parts per billion.

EQL = Estimated Quantitation Limit.

fd = duplicate sample

<xx = Analyte not detected above the indicated detection limit.

J = Estimated value.

UJ Qualifier: A "UJ" qualifier is defined as meaning the analyte was analyzed for, but it was not detected and the sample quantitation or detection limit is an estimated quantity.

TABLE 6a. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS, January 2020 - VOCs
Charnock Sub-Basin; Los Angeles, California

Well No.	Aquifer	Sample Date	1,1,2-TCA	1,2,3-Trichloro-benzene	1,2,4-Trichloro-benzene	TCE	1,2,3-Trichloro-propane	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl chloride	Freon 113	Hexanone	Vinyl Acetate	Tentatively Identified Compounds
EPA Method 8260B EQL (µg/L):			0.50	1.0	1.0	0.50	1.0	0.50	0.50	0.50	2.0	5.0	4.0	
SILVERADO AQUIFER														
RMW-3	Upper Silverado	1/24/20	<0.25	<0.40	<0.40	10	<0.40	<0.25	<0.25	<0.25	<0.50	<2.5	<2.0	None
RMW-6	Upper Silverado	1/23/20	<0.25	<0.40	<0.40	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<2.5	<2.0	None
RMW-9	Upper Silverado	1/22/20	<0.25	<0.40	<0.40	<0.25	<0.40	0.42 J	<0.25	<0.25	<0.50	<2.5	2.0 UJ	None
RMW-11	Upper Silverado	1/23/20	<0.25	<0.40	<0.40	0.52	<0.40	0.29 J	<0.25	<0.25	<0.50	<2.5	<2.0	None
RMW-13	Upper Silverado	1/24/20	<0.25	<0.40	<0.40	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<2.5	<2.0	None
RMW-14	Upper Silverado	1/21/20	<0.25	<0.40	<0.40	<0.25	<0.40	6.7	1.8	<0.25	<0.50	<2.5	2.0 UJ	(1)
RMW-17	Upper Silverado	1/21/20	<0.25	<0.40	<0.40	<0.25	<0.40	0.68	<0.25	<0.25	<0.50	<2.5	2.0 UJ	None
RMW-19	Upper Silverado	1/23/20	<0.25	<0.40	<0.40	9.5	<0.40	0.25 J	<0.25	0.64	<0.50	<2.5	<2.0	None
RMW-21	Upper Silverado	1/24/20	<0.25	<0.40	<0.40	<0.25	<0.40	0.28 J	<0.25	<0.25	<0.50	<2.5	<2.0	None
RMW-21-fd	Upper Silverado	1/24/20	<0.25	<0.40	<0.40	<0.25	<0.40	0.30 J	<0.25	<0.25	<0.50	<2.5	<2.0	None
RMW-23	Upper Silverado	1/23/20	<0.25	<0.40	<0.40	0.32 J	<0.40	0.40 J	<0.25	<0.25	<0.50	<2.5	<2.0	None
RMW-28	Upper Silverado	1/21/20	<0.25	<0.40	<0.40	<0.25	<0.40	1.5	0.47 J	0.25 UJ	<0.50	<2.5	<2.0	None
RMW-30	Upper Silverado	1/22/20	<0.25	<0.40	<0.40	<0.25	<0.40	0.31 J	<0.25	<0.25	<0.50	<2.5	2.0 UJ	None
RMW-30-fd	Upper Silverado	1/22/20	<0.25	<0.40	<0.40	<0.25	<0.40	0.37 J	<0.25	<0.25	<0.50	<2.5	2.0 UJ	None
RMW-49	Upper Silverado	1/23/20	<0.25	<0.40	<0.40	<0.25	<0.40	0.32 J	<0.25	<0.25	<0.50	<2.5	<2.0	None
RMW-50	Upper Silverado	1/22/20	<0.25	<0.40	<0.40	<0.25	<0.40	0.51	<0.25	<0.25	<0.50	<2.5	<2.0	None
RMW-54	Upper Silverado	1/22/20	<0.25	<0.40	<0.40	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<2.5	2.0 UJ	None

Notes:

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EQL = Estimated Quantitation Limit.

fd = duplicate sample

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(1) See Table 7 - Summary of Tentatively Identified Compounds.

TABLE 6b. SUMMARY OF QC SAMPLE RESULTS, January 2020 - VOCs
Charnock Sub-Basin; Los Angeles, California

Sample ID No.	Type of QC Blank Sample	Sample Date	Acetone	Bromo-benzene	Bromo-form	Bromo-chloro-methane	Bromo-dichloro-methane	Bromo-methane	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Carbon Disulfide	Carbon tetra-chloride	Chloro-form	Chloro-benzene
EPA Method 8260B			EQL ($\mu\text{g/L}$):			20	0.50	1.0	0.50	0.50	0.50	1.0	0.50	0.50	0.50
RMW-3-20200124-EB	EB	1/24/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-3-20200124-TB	TB	1/24/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-9-20200122-EB	EB	1/22/20	<10	<0.25	0.40 UJ	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	0.25 UJ	<0.25	<0.25
RMW-11-20200123-AB	AB	1/23/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-17-20200121-AB	AB	1/21/20	<10	<0.25	0.40 UJ	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	0.25 UJ	<0.25	<0.25
RMW-28-20200121-TB	TB	1/21/20	<10	<0.25	0.40 UJ	<0.25	<0.25	0.25 UJ	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-50-201200122-TB	TB	1/22/20	<10	<0.25	<0.40	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25
RMW-54-20200122-TB	TB	1/22/20	<10	<0.25	0.40 UJ	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	<0.50	0.25 UJ	<0.25	<0.25

Notes:

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TABLE 6b. SUMMARY OF QC SAMPLE RESULTS, January 2020 - VOCs
Charnock Sub-Basin; Los Angeles, California

Sample ID No.	Type of QC Blank Sample	Sample Date	2-Chloro-toluene	4-Chloro-toluene	Chloro-ethane	Chloro-methane	p-Isopropyl-toluene	Dibromo-chloro-methane	1,2-Dibromo-3-chloro-propane	Dibromo-methane	1,1-DCA	1,2-DCA	1,2-Dichloro-benzene	1,3-Dichloro-benzene
EPA Method 8260B			EQL (µg/L):		0.50	0.50	1.0	0.50	0.50	1.0	0.50	0.50	0.50	0.50
RMW-3-20200124-EB	EB	1/24/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-3-20200124-TB	TB	1/24/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-9-20200122-EB	EB	1/22/20	<0.25	<0.25	<0.40	0.25 UJ	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-11-20200123-AB	AB	1/23/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-17-20200121-AB	AB	1/21/20	<0.25	<0.25	<0.40	0.25 UJ	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-28-20200121-TB	TB	1/21/20	<0.25	<0.25	0.40 UJ	0.25 UJ	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-50-201200122-TB	TB	1/22/20	<0.25	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-54-20200122-TB	TB	1/22/20	<0.25	<0.25	<0.40	0.25 UJ	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25

Notes:

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TABLE 6b. SUMMARY OF QC SAMPLE RESULTS, January 2020 - VOCs
Charnock Sub-Basin; Los Angeles, California

Sample ID No.	Type of QC Blank Sample	Sample Date	1,4-Dichloro-benzene	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	1,1-Dichloro-propene	cis-1,3-Dichloro-propene	trans-1,3-Dichloro-propene	1,2-Dichloro-propane	1,3-Dichloro-propane	2,2-Dichloro-propane	1,2-Dibromo-ethane (EDB)	Trichloro-fluoro-methane (Freon 11)	
EPA Method 8260B			EQL (µg/L):			0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.0	0.50	0.50
RMW-3-20200124-EB	EB	1/24/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	
RMW-3-20200124-TB	TB	1/24/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	
RMW-9-20200122-EB	EB	1/22/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 UJ	0.40 UJ	<0.25	0.25 UJ	
RMW-11-20200123-AB	AB	1/23/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	
RMW-17-20200121-AB	AB	1/21/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 UJ	0.40 UJ	<0.25	0.25 UJ	
RMW-28-20200121-TB	TB	1/21/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 UJ	<0.40	<0.25	<0.25	
RMW-50-201200122-TB	TB	1/22/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.25	<0.25	
RMW-54-20200122-TB	TB	1/22/20	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 UJ	0.40 UJ	<0.25	0.25 UJ	

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TABLE 6b. SUMMARY OF QC SAMPLE RESULTS, January 2020 - VOCs
Charnock Sub-Basin; Los Angeles, California

Sample ID No.	Type of QC Blank Sample	Sample Date	Dichloro-difluoro-methane (Freon 12)	Isopropyl-benzene	n-Propyl-benzene	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Methylene Chloride	Naphthalene	1,1,1,2-PCA	1,1,2,2-PCA	PCE	Styrene	1,1,1-TCA
EPA Method 8260B			EQL (µg/L):		1.0	0.50	0.50	5.0	5.0	2.0	1.0	0.50	0.50	0.50
RMW-3-20200124-EB	EB	1/24/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-3-20200124-TB	TB	1/24/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-9-20200122-EB	EB	1/22/20	0.40 UJ	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	0.25 UJ	<0.25	<0.25	<0.25
RMW-11-20200123-AB	AB	1/23/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-17-20200121-AB	AB	1/21/20	0.40 UJ	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	0.25 UJ	<0.25	<0.25	<0.25
RMW-28-20200121-TB	TB	1/21/20	0.40 UJ	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-50-201200122-TB	TB	1/22/20	<0.40	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	<0.25	<0.25	<0.25	<0.25
RMW-54-20200122-TB	TB	1/22/20	0.40 UJ	<0.25	<0.25	<2.5	<2.5	<0.88	<0.40	<0.25	0.25 UJ	<0.25	<0.25	<0.25

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TABLE 6b. SUMMARY OF QC SAMPLE RESULTS, January 2020 - VOCs
Charnock Sub-Basin; Los Angeles, California

Sample ID No.	Type of QC Blank Sample	Sample Date	1,1,2-TCA	1,2,3-Trichloro-benzene	1,2,4-Trichloro-benzene	TCE	1,2,3-Trichloro-propane	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Vinyl Chloride	Freon 113	Hexanone	Vinyl Acetate	Tentatively Identified Compounds	
EPA Method 8260B			EQL (µg/L):			0.50	1.0	1.0	0.50	1.0	0.50	2.0	5.0	4.0	
RMW-3-20200124-EB	EB	1/24/20	<0.25	<0.40	<0.40	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<2.5	<2.0	None	
RMW-3-20200124-TB	TB	1/24/20	<0.25	<0.40	<0.40	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<2.5	<2.0	None	
RMW-9-20200122-EB	EB	1/22/20	<0.25	<0.40	<0.40	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<2.5	2.0 UJ	None	
RMW-11-20200123-AB	AB	1/23/20	<0.25	<0.40	<0.40	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<2.5	<2.0	None	
RMW-17-20200121-AB	AB	1/21/20	<0.25	<0.40	<0.40	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<2.5	2.0 UJ	None	
RMW-28-20200121-TB	TB	1/21/20	<0.25	<0.40	<0.40	<0.25	<0.40	<0.25	<0.25	0.25 UJ	<0.50	<2.5	<2.0	None	
RMW-50-201200122-TB	TB	1/22/20	<0.25	<0.40	<0.40	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<2.5	<2.0	None	
RMW-54-20200122-TB	TB	1/22/20	<0.25	<0.40	<0.40	<0.25	<0.40	<0.25	<0.25	<0.25	<0.50	<2.5	2.0 UJ	None	

Notes:

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<xx = Analyte not detected above the indicated detection limit.

J = Estimated value.

UJ Qualifier: A 'UJ' qualifier is defined as meaning the analyte was analyzed for, but it was not detected and the sample quantitation or detection limit is an estimated quantity.

AB = Atmospheric Blank

EB = Equipment Blank

TB = Trip Blank

TABLE 7. SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS (TICs)
2020 Annual Sampling (January 2020)
Charnock Sub-Basin; Los Angeles, California

GROUNDWATER SAMPLES				
Well	Aquifer	Sample Date	Compound	µg/L
RMW-14	Upper Silverado	1/21/20	1-Methyl-2-ethylbenzene	3.8 J

Note:

J = Estimated value

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
MWM-1	Upper Silverado	1/18/00	8260a	220	5.0J	<2	<2	<2								
MWM-1	Upper Silverado	1/18/00	8020	230					<1	1.4J	<1			16	53	
MWM-1	Upper Silverado	1/27/00	8260a	200	54	<2	<2	<2								
MWM-1	Upper Silverado	1/27/00	8020	150					<1	6.6	<1			25	150	
MWM-1	Upper Silverado	4/26/00	8260a	240	14J	<2	<2	<2								
MWM-1	Upper Silverado	4/26/00	8020	240					<1	1.8J	<1			14	69	
MWM-1	Upper Silverado	12/12/00	8260b	120 J	<5	<0.68	<0.5	<2	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	13U	
MWM-1	Upper Silverado	1/26/01	8260b	120	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
MWM-1	Upper Silverado	5/3/01	8260b	150	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	59J
MWM-1	Upper Silverado	7/27/01	8260b	140	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		59J
MWM-1	Upper Silverado	10/26/01	8260b	140	6.8J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	63J
MWM-1 (dup)	Upper Silverado	10/26/01	8260b	170	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	64J
MWM-1	Upper Silverado	1/15/02	8260b	180	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	68J
MWM-1	Upper Silverado	4/16/02	8260b	330	38	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	99J
MWM-1	Upper Silverado	7/18/02	8260b	410	7.4J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	19J	170
MWM-1	Upper Silverado	9/30/02	8260b	270J	8.8J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-1	Upper Silverado	10/17/02	8260b	320	6.1J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	13J	130
MWM-1 (dup)	Upper Silverado	10/17/02	8260b	290	6.1J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	16	<50
MWM-1	Upper Silverado	12/19/02	8260b	330 J	23J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
MWM-1	Upper Silverado	1/16/03	8260b	490	100J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	120
MWM-1	Upper Silverado	3/11/03	8260b	350	33J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-1	Upper Silverado	3/27/03	8260b	390	77J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-1	Upper Silverado	4/17/03	8260b	380	35J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	160
MWM-1	Upper Silverado	5/29/03	8260b	280	53	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-1	Upper Silverado	6/26/03	8260b	500	70	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32		
MWM-1	Upper Silverado	7/17/03	8260b	420	120J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	<44
MWM-1	Upper Silverado	8/28/03	8260b	410	100J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
MWM-1	Upper Silverado	10/2/03	8260b	450	93J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
MWM-1	Upper Silverado	10/16/03	8260b	490	69J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	140
MWM-1	Upper Silverado	1/15/04	8260b	380	160J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	<44
MWM-1 (dup)	Upper Silverado	1/15/04	8260b	350	160J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	<44
MWM-1	Upper Silverado	4/15/04	8260b	290	110J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	140
MWM-1 (dup)	Upper Silverado	4/15/04	8260b	270	110J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	140
MWM-1	Upper Silverado	1/13/05	8260b	58	290	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
MWM-1 (dup)	Upper Silverado	1/13/05	8260b	77	340	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
MWM-1	Upper Silverado	4/14/05	524.2	110	260	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
MWM-1	Upper Silverado	7/14/05	8260b	120	220	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	86
MWM-1 (dup)	Upper Silverado	7/14/05	8260b	110	250	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	73
MWM-1	Upper Silverado	10/19/05	8260b	42	230	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
MWM-1	Upper Silverado	4/19/06	524.2	13 J	76J	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
MWM-1	Upper Silverado	7/21/06	8260b	11	230	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
MWM-1	Upper Silverado	10/18/06	8260b	6.5	310	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
MWM-2	Upper Silverado	1/25/00	8260a	86	<5	<2	<2	<2								
MWM-2	Upper Silverado	1/25/00	8020	56					<1	<1	<1			12	49	
MWM-2	Upper Silverado	1/27/00	8260a	64	15	<2	<2	<2								
MWM-2	Upper Silverado	1/27/00	8020	65					<1	5.9	<1			23	140	
MWM-2	Upper Silverado	4/28/00	8260a	31	<5	<2	<2	<2								
MWM-2	Upper Silverado	4/28/00	8020	28					<1	2.7	<1			9.0	91	
MWM-2	Upper Silverado	12/12/00	8260b	99 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	12U	
MWM-2	Upper Silverado	1/16/01	8260b	140	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
MWM-2	Upper Silverado	4/18/01	8260b	100	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
MWM-2	Upper Silverado	5/30/01	8260b	1,000	30	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	6/27/01	8260b	1,300	130	<0.68	<0.5	<0.57	<0.11	<0.18	0.11J	<0.69	<0.14	<0.82		
MWM-2 (dup)	Upper Silverado	6/27/01	8260b	1,300	150	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	7/25/01	8260b	1,000	28	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		450
MWM-2	Upper Silverado	10/31/01	8260b	620	48	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	110
MWM-2	Upper Silverado	11/28/01	8260b	670 J	8.8J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2 (dup)	Upper Silverado	11/28/01	8260b	650 J	9.3J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	12/26/01	8260b	480	22J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2 (dup)	Upper Silverado	12/26/01	8260b	330	16J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	1/30/02	8260b	580	26	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	110J
MWM-2	Upper Silverado	2/27/02	8260b	560	23J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	3/27/02	8260b	460	66	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	4/24/02	8260b	520	58	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	90J
MWM-2	Upper Silverado	5/29/02	8260b	400	76	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	6/26/02	8260b	410	100	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	7/31/02	8260b	220	66	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
MWM-2	Upper Silverado	8/28/02	8260b	240	120	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	9/25/02	8260b	150 J	50	0.68UJ	0.5UJ	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-2	Upper Silverado	10/30/02	8260b	140 J	61	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	58J
MWM-2	Upper Silverado	11/27/02	8260b	220	70	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
MWM-2	Upper Silverado	12/18/02	8260b	130	65J	0.33UJ	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
MWM-2	Upper Silverado	1/29/03	8260b	72	51J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
MWM-2	Upper Silverado	2/26/03	8260b	110	47J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2 (dup)	Upper Silverado	2/26/03	8260b	110	43J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	3/26/03	8260b	93	110J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	4/30/03	8260b	39	78J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2 (dup)	Upper Silverado	4/30/03	8260b	36	55J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2	Upper Silverado	5/28/03	8260b	46	41J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2 (dup)	Upper Silverado	5/28/03	8260b	46	42J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	6/25/03	8260b	47	80	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	7/30/03	8260b	25	60	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2	Upper Silverado	8/27/03	8260b	32	44	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2 (dup)	Upper Silverado	8/27/03	8260b	32	50	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	9/24/03	8260b	31	87	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-2	Upper Silverado	10/29/03	8260b	30	91	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2 (dup)	Upper Silverado	10/29/03	8260b	32	94	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2	Upper Silverado	1/28/04	8260b	5.5	17J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	0.26J	0.17J	0.43J	<44	<44
MWM-2	Upper Silverado	4/28/04	8260b	1.6 J	15J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-2	Upper Silverado	1/26/05	8260b	13	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
MWM-2	Upper Silverado	4/27/05	524.2	8.4	30	<0.32	<0.27	<0.33	<0.049	<0.029	0.053J	<0.069	<0.034	--	<44	<44
MWM-2	Upper Silverado	7/27/05	8260b	7.7	74	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
MWM-2	Upper Silverado	10/19/05	8260b	2.3	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
MWM-2	Upper Silverado	4/19/06	524.2	0.61	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.11J	<0.03	<0.016	--	<44	<44
MWM-2	Upper Silverado	7/20/06	8260b	14	55	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
MWM-2	Upper Silverado	10/18/06	8260b	7.3	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
MWM-3	Upper Silverado	2/11/00	8260a	93	<5	<2	<2	<2	<1	<1	<1			<1	<10	
MWM-3	Upper Silverado	2/11/00	8020	50												
MWM-3	Upper Silverado	4/26/00	8260a	100	7.2J	<2	<2	<2	<1	1.5J	<1			11	58	
MWM-3	Upper Silverado	4/26/00	8020	120												
MWM-3	Upper Silverado	12/12/00	8260b	130 J	9.4J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	13U	
MWM-3	Upper Silverado	1/26/01	8260b	87	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
MWM-3	Upper Silverado	5/3/01	8260b	140	13J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	63J
MWM-3	Upper Silverado	7/27/01	8260b	200	5.6J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		79J
MWM-3	Upper Silverado	10/26/01	8260b	220	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	72J
MWM-3	Upper Silverado	1/15/02	8260b	290	48	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	93J
MWM-3	Upper Silverado	4/16/02	8260b	560	63	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	160V
MWM-3	Upper Silverado	7/18/02	8260b	130	30	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	69J
MWM-3	Upper Silverado	9/30/02	8260b	150	28	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
MWM-3 (dup)	Upper Silverado	9/30/02	8260b	160	26	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
MWM-3	Upper Silverado	10/17/02	8260b	200	43	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	10J	96J
MWM-3 (dup)	Upper Silverado	10/17/02	8260b	190	44	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	11J	99J
MWM-3	Upper Silverado	11/27/02	8260b	190	51	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
MWM-3	Upper Silverado	12/19/02	8260b	470	160	0.33UJ	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
MWM-3	Upper Silverado	1/16/03	8260b	150 J	44	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	60J
MWM-3 (dup)	Upper Silverado	1/16/03	8260b	160 J	43	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
MWM-3	Upper Silverado	3/11/03	8260b	110	76J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	3/27/03	8260b	41	52J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	4/17/03	8260b	76	48J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3	Upper Silverado	5/29/03	8260b	170	180	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3 (dup)	Upper Silverado	5/29/03	8260b	170	170	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	6/26/03	8260b	190	230	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	7/17/03	8260b	180 J	240	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3 (dup)	Upper Silverado	7/17/03	8260b	190	230	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3	Upper Silverado	8/28/03	8260b	110	210	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	9/25/03	8260b	150	230	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
MWM-3	Upper Silverado	10/16/03	8260b	130	240	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	54
MWM-3	Upper Silverado	1/15/04	8260b	18	59J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3	Upper Silverado	4/15/04	8260b	2.2	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3 (dup)	Upper Silverado	4/15/04	8260b	2.3	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
MWM-3	Upper Silverado	1/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
MWM-3 (dup)	Upper Silverado	1/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
MWM-3	Upper Silverado	4/14/05	524.2	5.9	72	<0.32	<0.27	<0.33	<0.049	<0.029	0.053J	<0.069	<0.034	--	<44	<44
MWM-3	Upper Silverado	7/14/05	8260b	11	90	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
MWM-3	Upper Silverado	10/19/05	8260b	10	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
MWM-3	Upper Silverado	4/19/06	524.2	0.21 J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--	<44	<44
MWM-3	Upper Silverado	7/20/06	8260b	14	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	0.72J	0.59J	0.54J	--	<48	<48
MWM-3	Upper Silverado	10/18/06	8260b	13	50	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-1	Shallow	4/15/97	8020-conf	<2					<0.3	<0.2	0.51J	<0.8	<0.3	<0.5		
RMW-1	Shallow	4/15/97	8020	<2					<0.3	<0.2	0.74J	<0.8	<0.3	<0.5		
RMW-1	Shallow	7/2/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	7/2/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	9/18/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	9/18/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	10/29/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	10/29/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	2/10/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	2/10/98	8020	2.7					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-1	Shallow	2/10/98	8260a	<2	<3	<2	<0.4	<2								
RMW-1	Shallow	4/22/98	8020	<2					<1	<1	<1			<1		
RMW-1	Shallow	4/22/98	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	7/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-1	Shallow	7/28/98	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	10/26/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-1	Shallow	10/26/98	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	1/25/99	8020	3J					<1	<1	<1	<2	<1	<2		
RMW-1	Shallow	1/25/99	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	4/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-1	Shallow	4/26/99	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	7/26/99	8020	160					<1	<1	<1	<1	<1	<1		
RMW-1	Shallow	7/26/99	8260a	150	<50	<2	<2	<2								
RMW-1	Shallow	8/6/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-1	Shallow	8/6/99	8260a	3.4J	<50	<2	<2	<2								
RMW-1 (dup)	Shallow	8/6/99	8020	5.3					<1	<1	<1	<1	<1	<1		
RMW-1 (dup)	Shallow	8/6/99	8260a	3.8J												
RMW-1	Shallow	9/21/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-1	Shallow	9/21/99	8260a	<2	<50	<2	<2	<2								
RMW-1	Shallow	10/27/99	8260a	41	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-1 (dup)	Shallow	10/27/99	8260a	110	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-1	Shallow	4/26/00	8260a	27	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-1 (dup)	Shallow	4/26/00	8260a	22	12J	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-1	Shallow	7/26/00	8260b	5.9	11J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-1	Shallow	10/31/00	8260b	11	8.2J	<0.68	<0.5	<0.57	0.95	0.18J	2.8	1.3	0.65J	1.9J	20J	

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-1	Shallow	3/5/01	8260b	490	56J	<3.4	<2.5	<2.8	<0.55	<0.9	<0.47	<3.4	<0.7	<4.1		190
RMW-1	Shallow	5/1/01	8260b	74	91	<0.68	<0.5	<0.57	<0.11	<0.18	0.1VJ	<0.69	<0.14	<0.82	<10	<50
RMW-1	Shallow	7/17/01	8260b	5.3	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-1	Shallow	11/28/01	8260b	57	29	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-1 (dup)	Shallow	11/28/01	8260b	52	29	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-1	Shallow	1/24/02	8260b	30	6.5J	<0.68	0.5UJ	<0.57	0.37J	0.56J	2.1V	3	0.86J	3.9	10J	<50
RMW-1 (dup)	Shallow	1/24/02	8260b	74	13J	<0.68	0.5UJ	<0.57	0.19J	0.3J	1XJ	1.5	0.47J	2.0	<10	<50
RMW-1	Shallow	4/25/02	8260b	20	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-1	Shallow	7/25/02	8260b	5.9	<5	<0.68	<0.5	<0.57	0.13J	<0.18	0.13J	<0.69	<0.14	<0.82	50XJ	<50
RMW-1	Shallow	10/23/02	8260b	0.99J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-1 (dup)	Shallow	10/23/02	8260b	0.48J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-1	Shallow	1/23/03	8260b	2.4	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-1	Shallow	4/22/03	8260b	3.9	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1	Shallow	7/22/03	8260b	0.74J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1 (dup)	Shallow	7/22/03	8260b	0.66J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1	Shallow	10/21/03	8260b	0.73J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1	Shallow	1/20/04	8260b	2.3	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1	Shallow	4/20/04	8260b	3.1	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-1	Shallow	4/19/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-1	Shallow	4/12/06	524.2	3.9	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.1J	0.22J	<0.016	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-2A	Lower Silverado	4/15/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	4/15/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A (dup)	Lower Silverado	4/15/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A (dup)	Lower Silverado	4/15/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	7/2/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	7/2/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	9/18/97	8020-conf	<2					<0.3	<0.2	0.31J	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	9/18/97	8020	<2					<0.3	<0.2	0.39J	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	10/29/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	10/29/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	2/10/98	8020-conf	8.6					<0.3	<0.2	0.4	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	2/10/98	8020	6.7					<0.3	<0.2	0.42	<0.8	<0.3	<0.5		
RMW-2A	Lower Silverado	4/22/98	8020	<2					<1	<1	<1			<1		
RMW-2A	Lower Silverado	4/22/98	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	7/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-2A	Lower Silverado	7/28/98	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	10/26/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-2A	Lower Silverado	10/26/98	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	1/25/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-2A	Lower Silverado	1/25/99	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	4/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-2A	Lower Silverado	4/26/99	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	7/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-2A	Lower Silverado	7/26/99	8260a	<2	<50	<2	<2	<2								
RMW-2A	Lower Silverado	10/27/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-2A	Lower Silverado	2/23/00	8260a	<2	<5	<2	<2	<2	1.0J	<1	2.6	<2	<1	<2		
RMW-2A	Lower Silverado	4/26/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-2A	Lower Silverado	7/26/00	8260a	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-2A (dup)	Lower Silverado	7/26/00	8260a	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-2A	Lower Silverado	10/31/00	8260b	0.61 J	<5	<0.68	<0.5	<0.57	1.1	<0.18	3.3	1.1	0.52J	1.6J	24J	
RMW-2A	Lower Silverado	3/5/01	8260b	5.3	<5	<0.68	<0.5	<0.57	0.15J	<0.18	<0.093	<0.69	<0.14	<0.82		200
RMW-2A	Lower Silverado	5/1/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-2A	Lower Silverado	7/17/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-2A	Lower Silverado	10/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-2A (dup)	Lower Silverado	10/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-2A	Lower Silverado	1/24/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	1XJ	1XJ	2XJ	<10	<50
RMW-2A	Lower Silverado	4/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.28J	<0.69	<0.14	<0.82	50XJ	<50
RMW-2A (dup)	Lower Silverado	4/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.20J	<0.69	<0.14	<0.82	50XJ	<50
RMW-2A	Lower Silverado	7/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-2A	Lower Silverado	10/23/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.5	<0.14	<0.82	<10	<50
RMW-2A	Lower Silverado	1/23/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-2A	Lower Silverado	4/22/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-2A	Lower Silverado	7/22/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-2A	Lower Silverado	10/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-2A	Lower Silverado	1/20/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-2A	Lower Silverado	4/20/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-2A	Lower Silverado	4/19/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-2A	Lower Silverado	4/12/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	0.091J	<0.016	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-3	Upper Silverado	5/7/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	5/7/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	7/1/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	7/1/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	9/17/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	9/17/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	10/28/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	10/28/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	10/28/97	8260a	<2	<3	<2	<0.4	<2								
RMW-3	Upper Silverado	2/10/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	2/10/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-3	Upper Silverado	2/10/98	8260a	<2	<3	<2	<0.4	<2								
RMW-3	Upper Silverado	4/21/98	8020	<2					<1	<1	<1			<1		
RMW-3	Upper Silverado	4/21/98	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	7/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-3	Upper Silverado	7/28/98	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	10/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-3	Upper Silverado	10/27/98	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	1/26/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-3	Upper Silverado	1/26/99	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	4/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-3	Upper Silverado	4/27/99	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	7/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-3	Upper Silverado	7/27/99	8260a	<2	<50	<2	<2	<2								
RMW-3	Upper Silverado	10/28/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-3	Upper Silverado	2/22/00	8260a	<2	<5	<2	<2	<2	<1	<1	1.8J	<2	<1	<2		
RMW-3	Upper Silverado	4/26/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-3	Upper Silverado	7/25/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	16J	
RMW-3	Upper Silverado	10/31/00	8260b	9.6	<5	<0.68	<0.5	<0.57	9.2	2.5	33	18	9.8	28	100	
RMW-3	Upper Silverado	1/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-3 (dup)	Upper Silverado	1/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-3	Upper Silverado	6/8/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.13J	<0.18	0.39J	<0.69	0.19J	<0.82		
RMW-3 (dup)	Upper Silverado	6/8/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.15J	<0.18	0.39J	<0.69	0.22J	<0.82		
RMW-3	Upper Silverado	7/17/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-3	Upper Silverado	10/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	14J	<50

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-3	Upper Silverado	1/31/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.23J	<0.69	<0.14	<0.82	15J	<50
RMW-3	Upper Silverado	4/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.19J	1XJ	<0.69	<0.14	<0.82	39J	<50
RMW-3 (dup)	Upper Silverado	4/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.20J	1XJ	<0.69	<0.14	<0.82	46J	<50
RMW-3	Upper Silverado	7/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	14J	<50
RMW-3	Upper Silverado	11/6/02	8260b	0.28UJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-3	Upper Silverado	2/3/03	8260b	0.33UJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	50UJ
RMW-3	Upper Silverado	4/21/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-3	Upper Silverado	7/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-3	Upper Silverado	10/20/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-3	Upper Silverado	2/10/04	8260b	0.50 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	0.41J	0.27J	<0.16	0.27J	<44	<44
RMW-3	Upper Silverado	4/19/04	8260b	0.63 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-3 (dup)	Upper Silverado	4/19/04	8260b	0.57 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-3	Upper Silverado	4/18/05	524.2	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-3	Upper Silverado	7/19/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	44J
RMW-3	Upper Silverado	10/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-3 (dup)	Upper Silverado	10/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-3	Upper Silverado	4/11/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.12J	0.091J	<0.016	--	<44	<44
RMW-3 (dup)	Upper Silverado	4/11/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.091J	<0.03	<0.016	--	<44	<44
RMW-3	Upper Silverado	7/21/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-3	Upper Silverado	10/24/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-3 (dup)	Upper Silverado	10/24/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-3	Upper Silverado	4/24/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-3	Upper Silverado	1/31/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-3	Upper Silverado	1/16/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-3	Upper Silverado	1/29/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-3	Upper Silverado	1/28/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-3	Upper Silverado	1/31/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-3	Upper Silverado	1/31/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-3	Upper Silverado	1/29/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-3	Upper Silverado	2/9/15	8260b	<0.31	10X	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-3	Upper Silverado	1/29/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-3 (dup)	Upper Silverado	1/29/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-3	Upper Silverado	2/2/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-3 (dup)	Upper Silverado	2/2/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-3	Upper Silverado	1/25/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-3 (dup)	Upper Silverado	1/25/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-3	Upper Silverado	5/3/19	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	26	34
RMW-3	Upper Silverado	1/24/20	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-4A	Shallow	5/7/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	5/7/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	7/1/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	7/1/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	9/17/97	8020-conf	<2					<0.3	<0.2	0.3J	<0.8	<0.3	<0.5		
RMW-4A	Shallow	9/17/97	8020	<2					<0.3	<0.2	0.31J	<0.8	<0.3	<0.5		
RMW-4A	Shallow	10/29/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	10/29/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	2/10/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	2/10/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-4A	Shallow	2/10/98	8260a	<2	<3	<2	<0.4	<2								
RMW-4A	Shallow	4/21/98	8020	<2					<1	<1	<1			<1		
RMW-4A	Shallow	4/21/98	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	7/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-4A	Shallow	7/28/98	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	10/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-4A	Shallow	10/27/98	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	1/26/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-4A	Shallow	1/26/99	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	4/27/99	8020	2J					<1	<1	<1	<1	<1	<1		
RMW-4A	Shallow	4/27/99	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	7/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-4A	Shallow	7/27/99	8260a	<2	<50	<2	<2	<2								
RMW-4A	Shallow	10/28/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-4A	Shallow	2/22/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-4A	Shallow	4/26/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-4A	Shallow	7/26/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-4A	Shallow	10/31/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-4A	Shallow	1/23/01	8260b	<0.28	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-4A	Shallow	4/17/01	8260b	<0.28	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	<50
RMW-4A (dup)	Shallow	4/17/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-4A	Shallow	7/17/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-4A (dup)	Shallow	7/17/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-4A	Shallow	11/7/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.1J	<0.69	<0.14	<0.82	<10	<50
RMW-4A	Shallow	1/31/02	8260b	<0.28	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-4A	Shallow	4/18/02	8260b	<0.28	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-4A	Shallow	7/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-4A	Shallow	11/6/02	8260b	0.28UJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-4A	Shallow	2/3/03	8260b	0.33UJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-4A	Shallow	4/21/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-4A	Shallow	7/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-4A (dup)	Shallow	7/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-4A	Shallow	10/20/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-4A	Shallow	2/10/04	8260b	1.7 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	0.75J	0.54J	0.19J	0.73J	<44	<44
RMW-4A	Shallow	4/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-4A	Shallow	4/18/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-4A	Shallow	4/11/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-4A (dup)	Shallow	4/11/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--		
RMW-4A	Shallow	4/12/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-4A	Shallow	1/23/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	0.36J	<0.54	<0.17	--	<48	<48
RMW-4A	Shallow	1/12/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-4A	Shallow	2/16/10	8260b	<0.30	<3.5	<0.28	<0.31	0.27UJ	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-4A (dup)	Shallow	2/16/10	8260b	<0.30	<3.5	<0.28	<0.31	0.27UJ	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-4A	Shallow	1/28/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-4A (dup)	Shallow	1/28/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-4A	Shallow	1/18/12	8260b	<0.31	<4.6	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-4A	Shallow	1/31/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-4A	Shallow	1/29/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-4A	Shallow	2/9/15	8260b	<0.31	10X	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-5	Upper Silverado	4/24/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	4/24/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	5/7/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	5/7/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	7/2/97	8260a	<2					<0.2	<0.3	<0.3	<0.8	<0.3	<2		
RMW-5	Upper Silverado	9/18/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	9/18/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	10/29/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	10/29/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	2/10/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	2/10/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-5	Upper Silverado	2/10/98	8260a	<2	<3	<2	<0.4	<2								
RMW-5	Upper Silverado	4/22/98	8020	<2					<1	<1	<1			<1		
RMW-5	Upper Silverado	4/22/98	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	7/30/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-5	Upper Silverado	7/30/98	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	10/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-5	Upper Silverado	10/27/98	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	1/26/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-5	Upper Silverado	1/26/99	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	4/29/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-5	Upper Silverado	4/29/99	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	7/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-5	Upper Silverado	7/27/99	8260a	<2	<50	<2	<2	<2								
RMW-5	Upper Silverado	10/29/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-5	Upper Silverado	2/23/00	8260a	<2	<5	<2	<2	<2	1.4J	<1	4	<2	<1	<2		
RMW-5	Upper Silverado	4/26/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-5	Upper Silverado	7/26/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-5	Upper Silverado	11/3/00	8260b	0.91UJ	<5	<0.68	<0.5	<0.57	1.1	<0.18	4.0	1.9	0.91J	2.8	31U	
RMW-5	Upper Silverado	1/26/01	8260b	0.52 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	0.83J	<10	
RMW-5	Upper Silverado	4/18/01	8260b	0.38 J	<5	<0.68	<0.5	<0.57	0.24J	<0.18	0.46J	<0.69	<0.14	<0.82	<10	<50
RMW-5	Upper Silverado	7/25/01	8260b	0.34 J	<5	<0.68	<0.5	<0.57	0.31J	<0.18	0.2J	<0.69	<0.14	<0.82		<50
RMW-5	Upper Silverado	11/7/01	8260b	<0.28	<5	0.68UJ	<0.5	<0.57	0.2J	<0.18	0.16J	<0.69	<0.14	<0.82	<10	<50
RMW-5	Upper Silverado	1/30/02	8260b	1.1 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.28VJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-5	Upper Silverado	4/24/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	0.14J	1XJ	1.3V	2.3V	1XJ	3V	50XJ	<50

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-5	Upper Silverado	7/31/02	8260b	0.75 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-5	Upper Silverado	10/30/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-5	Upper Silverado	1/29/03	8260b	0.79 J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-5	Upper Silverado	4/30/03	8260b	0.55 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-5	Upper Silverado	7/30/03	8260b	0.55 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-5	Upper Silverado	10/29/03	8260b	1.8 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-5	Upper Silverado	1/28/04	8260b	2.1	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-5	Upper Silverado	4/28/04	8260b	4.3	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-5	Upper Silverado	6/1/05	524.2	1X	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	0.053J	<0.069	<0.034	--	<44	<44
RMW-5	Upper Silverado	1/21/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-5	Upper Silverado	1/25/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-5	Upper Silverado	2/23/15	8260b	0.72 J	10X	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-5 (dup)	Upper Silverado	2/23/15	8260b	0.64 J	11V	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-5	Upper Silverado	1/29/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-6	Upper Silverado	4/24/97	8260a	41					<0.2	<0.3	<0.3	<0.8	1J	<2		
RMW-6	Upper Silverado	4/24/97	8020-conf	36					<0.3	0.55J	<0.3	<0.8	1.1J	1.1J		
RMW-6	Upper Silverado	4/24/97	8020	40					<0.3	0.8J	<0.3	<0.8	1.6J	1.6J		
RMW-6	Upper Silverado	5/8/97	8260a	10					<0.2	<0.3	<0.3	<0.8	<0.3	<2		
RMW-6	Upper Silverado	5/8/97	8020-conf	36					<0.3	<0.2	<0.3	<0.8	<0.3			
RMW-6	Upper Silverado	5/8/97	8020	42					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	7/2/97	8260a	26					0.39J	<0.3	<0.3	<0.8	<0.3	<2		
RMW-6	Upper Silverado	7/2/97	8020-conf	30					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	7/2/97	8020	32					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	7/2/97	8020-conf	28					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	7/2/97	8020	30					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	9/18/97	8020-conf	36					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	9/18/97	8020	30					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	9/18/97	8020-conf	41					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	9/18/97	8020	48					0.39J	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	9/18/97	8260a	34					0.28J	<0.3	<0.3	<0.8	<0.3	<2		
RMW-6	Upper Silverado	10/29/97	8260a	32					0.2J	<0.3	<0.3	<0.8	<0.3	<2		
RMW-6	Upper Silverado	10/29/97	8020-conf	38					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	10/29/97	8020	40					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	10/29/97	8020-conf	38					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	10/29/97	8020	39					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	2/11/98	8020-conf	46					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	2/11/98	8020	47					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6	Upper Silverado	2/11/98	8260a	69	250	<2	<0.4	<2								
RMW-6 (dup)	Upper Silverado	2/11/98	8020-conf	44					<0.3	<0.2	<0.3	<0.8	<0.8	<0.5		
RMW-6 (dup)	Upper Silverado	2/11/98	8020	46					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-6 (dup)	Upper Silverado	2/11/98	8260a	26	5	<2	<0.4	<2								
RMW-6	Upper Silverado	4/23/98	8020	35					<1	<1	<1			<1		
RMW-6	Upper Silverado	4/23/98	8020	22					<1	<1	<1			<1		
RMW-6	Upper Silverado	4/23/98	8260a	36	<50	<2	<2	<2								
RMW-6	Upper Silverado	4/23/98	8260a	19	<50	<2	<2	<2								
RMW-6 (dup)	Upper Silverado	4/23/98	8020	33	<50	<2	<2	<2	<1	<1	<1			<1		
RMW-6 (dup)	Upper Silverado	4/23/98	8260a	41	<50	<2	<2	<2								

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-6	Upper Silverado	7/30/98	8020	24					<1	<1	<1	<2	<1	<1		
RMW-6	Upper Silverado	7/30/98	8260a	27	<50	<2	<2	<2								
RMW-6 (dup)	Upper Silverado	7/30/98	8020	23					<1	<1	<1	<2	<1	<1		
RMW-6 (dup)	Upper Silverado	7/30/98	8260a	29	<50	<2	<2	<2								
RMW-6	Upper Silverado	10/27/98	8020	15					<1	<1	<1	<2	<1	<1		
RMW-6	Upper Silverado	10/27/98	8260a	21	<50	<2	<2	<2								
RMW-6 (dup)	Upper Silverado	10/27/98	8020	14					<1	<1	<1	<2	<1	<1		
RMW-6 (dup)	Upper Silverado	10/27/98	8260a	20	<50	<2	<2	<2								
RMW-6	Upper Silverado	1/26/99	8020	16					<1	<1	<1	<2	<1	<2		
RMW-6	Upper Silverado	1/26/99	8260a	9.7	<50	<2	<2	<2								
RMW-6	Upper Silverado	4/29/99	8020	15					<1	<1	<1	<1	<1	<1		
RMW-6	Upper Silverado	4/29/99	8260a	12	<50	<2	<2	<2								
RMW-6	Upper Silverado	7/27/99	8020	8.9					<1	<1	<1	<1	<1	<1		
RMW-6	Upper Silverado	7/27/99	8260a	14	<50	<2	<2	<2								
RMW-6 (dup)	Upper Silverado	7/27/99	8020	10					<1	<1	<1	<1	<1	<1		
RMW-6 (dup)	Upper Silverado	7/27/99	8260a	13	<50	<2	<2	<2								
RMW-6	Upper Silverado	10/29/99	8260a	11	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-6	Upper Silverado	2/23/00	8260a	39	<5	<2	<2	<2	1.0J	<1	2.6	<2	<1	<2		
RMW-6	Upper Silverado	4/27/00	8260a	70	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-6	Upper Silverado	7/27/00	8260a	52	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-6 (dup)	Upper Silverado	7/27/00	8260a	58	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	
RMW-6	Upper Silverado	11/3/00	8260b	46	<5	<0.68	<0.5	<0.57	1.2	<0.18	4.6	1.9	0.94J	2.9	23U	
RMW-6	Upper Silverado	1/16/01	8260b	33	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	0.88J	<0.14	1.4J	<10	
RMW-6	Upper Silverado	4/18/01	8260b	130	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.28J	<0.69	<0.14	<0.82	<10	<50
RMW-6	Upper Silverado	7/25/01	8260b	340	9.8J	<0.68	<0.5	<0.57	<0.11	<0.18	0.17J	<0.69	<0.14	<0.82		170
RMW-6	Upper Silverado	10/31/01	8260b	750	49	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	140
RMW-6	Upper Silverado	12/26/01	8260b	190	63	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	1/30/02	8260b	1,000	130	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	210J
RMW-6	Upper Silverado	2/27/02	8260b	790	110	<0.68	0.55J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	3/27/02	8260b	470	110	<0.68	0.54J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	4/24/02	8260b	600	96	<0.68	0.54J	<0.57	<0.11	<0.18	0.16J	<0.69	<0.14	<0.82	50XJ	87J
RMW-6	Upper Silverado	5/29/02	8260b	680	290	<0.68	0.77J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	6/26/02	8260b	880	350	<0.68	0.93J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	7/31/02	8260b	420	170	0.68UJ	0.84J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	170
RMW-6	Upper Silverado	8/28/02	8260b	630	440	<0.68	0.88J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	9/25/02	8260b	370	400	0.68UJ	0.76J	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6 (dup)	Upper Silverado	9/25/02	8260b	360	400	0.68UJ	0.80J	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-6	Upper Silverado	10/30/02	8260b	440 J	540	<0.68	0.85J	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	130

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-6	Upper Silverado	11/27/02	8260b	250	900	<0.33	0.93J	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-6	Upper Silverado	12/18/02	8260b	110	2,900	0.33UJ	0.93J	0.61UJ	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-6 (dup)	Upper Silverado	12/18/02	8260b	130 J	2,600	0.33UJ	0.93J	0.61UJ	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-6	Upper Silverado	1/29/03	8260b	51	3,700	<0.33	1.0J	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	50J
RMW-6	Upper Silverado	2/26/03	8260b	56	3,900J	<0.32	0.96J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-6 (dup)	Upper Silverado	2/26/03	8260b	55	3,900J	<0.32	0.96J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-6	Upper Silverado	3/26/03	8260b	19	5,100J	<0.32	0.92J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-6	Upper Silverado	4/30/03	8260b	14	4,600	<0.32	0.83J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-6	Upper Silverado	5/28/03	8260b	9.2	2,900J	<0.32	0.88J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-6	Upper Silverado	6/25/03	8260b	6.2 J	4,100	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
RMW-6	Upper Silverado	7/30/03	8260b	9.6 J	3,300	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	91
RMW-6	Upper Silverado	8/27/03	8260b	5.3 J	2,200	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
RMW-6	Upper Silverado	9/24/03	8260b	5.5 J	1,800	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
RMW-6 (dup)	Upper Silverado	9/24/03	8260b	6.1 J	1,800	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
RMW-6	Upper Silverado	10/29/03	8260b	9.2 J	1,900	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	69
RMW-6	Upper Silverado	1/28/04	8260b	1.8 J	2,100J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	52
RMW-6	Upper Silverado	4/28/04	8260b	2.7 J	2,800	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	<44
RMW-6	Upper Silverado	4/27/05	524.2	<1.4	1,400	<1.6	<1.3	<1.6	<0.25	<0.15	<0.19	<0.35	<0.17	--	<44	<44
RMW-6	Upper Silverado	7/27/05	8260b	<1.5	760	<1.6	<1.6	<1.9	<1.3	<0.87	<1.7	<1.9	<1.0	--	<44	<44
RMW-6	Upper Silverado	10/19/05	8260b	0.47 J	980	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	58
RMW-6	Upper Silverado	4/19/06	524.2	<0.027	900J	<0.015	0.59J	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	48J
RMW-6	Upper Silverado	7/24/06	8260b	1.2 J	1,300J	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-6 (dup)	Upper Silverado	7/24/06	8260b	1.2 J	1,300J	<0.33	0.42J	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-6	Upper Silverado	10/18/06	8260b	0.34 J	720	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-6 (dup)	Upper Silverado	10/18/06	8260b	0.34 J	670	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-6	Upper Silverado	4/11/07	8260b	<0.23	80	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	48UJ	48UJ
RMW-6 (dup)	Upper Silverado	4/11/07	8260b	<0.23	99	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	48UJ	48UJ
RMW-6	Upper Silverado	7/11/07	8260b	<0.26	64	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	59
RMW-6 (dup)	Upper Silverado	7/11/07	8260b	<0.26	63	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	48J
RMW-6	Upper Silverado	1/23/08	8260b	<0.26	28	<1.1	<0.33	<0.18	<0.14	<0.23	0.50J	<0.54	<0.17	--	<48	<48
RMW-6	Upper Silverado	7/7/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-6 (dup)	Upper Silverado	7/7/08	8260b	0.67	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-6	Upper Silverado	1/21/09	8260b	1.1	12	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-6	Upper Silverado	7/15/09	8260b	0.84 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-6	Upper Silverado	1/20/10	8260b	0.75 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-6 (dup)	Upper Silverado	1/20/10	8260b	0.93 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-6	Upper Silverado	7/14/10	8260b	0.51 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-6 (dup)	Upper Silverado	7/14/10	8260b	0.50 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-6	Upper Silverado	1/19/11	8260b	6.3	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-6	Upper Silverado	7/20/11	8260b	0.38 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-6	Upper Silverado	1/18/12	8260b	<0.31	<4.6	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-6 (dup)	Upper Silverado	1/18/12	8260b	<0.31	<4.6	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-6	Upper Silverado	7/16/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-6	Upper Silverado	1/23/13	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-6 (dup)	Upper Silverado	1/23/13	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-6	Upper Silverado	7/24/13	8260b	0.42 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-6	Upper Silverado	1/29/14	8260b	1.9	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-6	Upper Silverado	7/25/14	8260b	0.73 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-6	Upper Silverado	2/23/15	8260b	10	83	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-6	Upper Silverado	7/17/15	8260b	2.4	18	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-6	Upper Silverado	2/1/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-6	Upper Silverado	7/22/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-6	Upper Silverado	2/1/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-6	Upper Silverado	7/21/17	8260b	0.81 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-6	Upper Silverado	1/29/18	8260b	0.42 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-6 (dup)	Upper Silverado	1/29/18	8260b	0.44 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-6	Upper Silverado	5/2/19	8260b	0.53	31	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-6	Upper Silverado	1/23/20	8260b	0.72	140	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-7	Shallow	5/8/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
	Shallow	5/8/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	7/1/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
	Shallow	7/1/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	9/18/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
	Shallow	9/18/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	10/29/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
	Shallow	10/29/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	2/10/98	8020-conf						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
	Shallow	2/10/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-7	Shallow	2/10/98	8260a	<2	<3	<2	<0.4	<2								
	Shallow	4/22/98	8020	<2					<1	<1	<1			<1		
RMW-7	Shallow	4/22/98	8260a	<2	<50	<2	<2	<2								
	Shallow	7/30/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-7	Shallow	7/30/98	8260a	<2	<50	<2	<2	<2								
	Shallow	10/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-7	Shallow	10/27/98	8260a	<2	<50	<2	<2	<2								
	Shallow	1/26/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-7	Shallow	1/26/99	8260a	<2	<50	<2	<2	<2								
	Shallow	4/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-7	Shallow	4/27/99	8260a	<2	<50	<2	<2	<2								
	Shallow	7/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-7	Shallow	7/27/99	8260a	<2	<50	<2	<2	<2								
	Shallow	10/29/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-7	Shallow	2/23/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-7	Shallow	4/26/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-7	Shallow	7/26/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-7	Shallow	11/3/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-7	Shallow	1/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-7	Shallow	4/18/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	14J	<50
RMW-7	Shallow	7/25/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-7	Shallow	10/31/01	8260b	<0.28	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-7	Shallow	1/30/02	8260b	0.8 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.24VJ	<0.69	<0.14	<0.82	<10	<50
RMW-7	Shallow	4/24/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-7	Shallow	7/31/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-7	Shallow	10/30/02	8260b	<0.28	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-7	Shallow	1/29/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-7	Shallow	4/30/03	8260b	0.67 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-7	Shallow	7/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-7	Shallow	10/29/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-7	Shallow	1/28/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-7	Shallow	4/28/04	8260b	0.4 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-7	Shallow	6/1/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	0.055J	<0.069	<0.034	--	<44	<44
RMW-7	Shallow	4/26/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-7	Shallow	1/21/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-7 (dup)	Shallow	1/21/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-7	Shallow	1/18/12	8260b	<0.31	<4.6	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-7	Shallow	2/23/15	8260b	0.36 J	10X	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	53	65
RMW-7	Shallow	1/29/18	8260b	0.45 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-8	Lower Silverado	7/22/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	7/22/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	9/17/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	9/17/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	10/28/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	10/28/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	10/28/97	8260a	<2	<3	<2	<0.4	<2								
RMW-8	Lower Silverado	2/9/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	2/9/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-8	Lower Silverado	2/9/98	8260a	<2	<3	<2	<0.4	<2								
RMW-8	Lower Silverado	4/21/98	8020	<2					<1	<1	<1			<1		
RMW-8	Lower Silverado	4/21/98	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	7/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-8	Lower Silverado	7/27/98	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	10/26/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-8	Lower Silverado	10/26/98	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	1/25/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-8	Lower Silverado	1/25/99	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	4/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-8	Lower Silverado	4/26/99	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	7/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-8	Lower Silverado	7/26/99	8260a	<2	<50	<2	<2	<2								
RMW-8	Lower Silverado	10/28/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-8	Lower Silverado	2/22/00	8260a	<2	<5	<2	<2	<2	<1	<1	2.8	<2	<1	<2		
RMW-8	Lower Silverado	4/25/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-8	Lower Silverado	7/25/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-8	Lower Silverado	10/30/00	8260b	5.1	<5	<0.68	<0.5	<0.57	5.5	1.5	21	11	5.3	16	66	
RMW-8 (dup)	Lower Silverado	10/30/00	8260b	5.2	<5	<0.68	<0.5	<0.57	5.9	1.6	23	12	5.8	17	73	
RMW-8	Lower Silverado	1/22/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-8	Lower Silverado	4/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.18UJ	0.27VJ	0.69UJ	0.14UJ	0.82UJ	14VJ	<50
RMW-8 (dup)	Lower Silverado	4/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.18UJ	0.29VJ	0.69UJ	0.14UJ	0.82UJ	1VJ	<50
RMW-8	Lower Silverado	7/16/01	8260b	13	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-8 (dup)	Lower Silverado	7/16/01	8260b	12	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-8	Lower Silverado	10/31/01	8260b	18	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50R
RMW-8 (dup)	Lower Silverado	10/31/01	8260b	20	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50R

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-8	Lower Silverado	1/14/02	8260b	11	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	52V	58J
RMW-8 (dup)	Lower Silverado	1/14/02	8260b	11	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50X	<50
RMW-8	Lower Silverado	4/15/02	8260b	7J	5UJ	<0.68	<0.5	<0.57	<0.11	0.21J	1XJ	<0.69	<0.14	<0.82	57	54J
RMW-8	Lower Silverado	7/15/02	8260b	11	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-8	Lower Silverado	10/14/02	8260b	10	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	11J	<50
RMW-8 (dup)	Lower Silverado	10/14/02	8260b	9.9	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-8	Lower Silverado	1/13/03	8260b	6.3	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-8 (dup)	Lower Silverado	1/13/03	8260b	7.4	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	11J	<50
RMW-8	Lower Silverado	4/14/03	8260b	6.8	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8	Lower Silverado	7/14/03	8260b	3.3	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8 (dup)	Lower Silverado	7/14/03	8260b	3.2	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8	Lower Silverado	10/13/03	8260b	1.5 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8 (dup)	Lower Silverado	10/13/03	8260b	1.5 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8	Lower Silverado	1/12/04	8260b	1.2 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8	Lower Silverado	5/20/04	8260b	3.5	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-8	Lower Silverado	4/29/05	524.2	1 J	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-8	Lower Silverado	4/10/06	524.2	0.25 J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--	<48	<48
RMW-8 (dup)	Lower Silverado	4/10/06	524.2	0.24 J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	0.24J	<0.016	--	<48	<48
RMW-8	Lower Silverado	4/9/07	8260b	0.29 J	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-8	Lower Silverado	1/30/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-8	Lower Silverado	1/19/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-8 (dup)	Lower Silverado	1/19/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-8	Lower Silverado	1/18/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-8	Lower Silverado	1/17/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-8 (dup)	Lower Silverado	1/17/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-8	Lower Silverado	1/12/12	8260b	2.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-8 (dup)	Lower Silverado	1/12/12	8260b	2.9	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-8	Lower Silverado	1/30/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-8 (dup)	Lower Silverado	1/30/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-8	Lower Silverado	1/20/14	8260B	0.46 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-8 (dup)	Lower Silverado	1/20/14	8260B	0.52 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-8	Lower Silverado	2/12/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-8 (dup)	Lower Silverado	2/12/15	8260b	<0.31	13V	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-8	Lower Silverado	1/19/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-8 (dup)	Lower Silverado	1/19/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-8	Lower Silverado	1/24/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-8 (dup)	Lower Silverado	1/24/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-8	Lower Silverado	1/18/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-8 (dup)	Lower Silverado	1/18/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015		
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes			
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12	
RMW-9	Upper Silverado	7/22/97	8020-conf	<2						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	7/22/97	8020	<2						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9 (dup)	Upper Silverado	7/22/97	8020-conf	<2						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9 (dup)	Upper Silverado	7/22/97	8020	<2						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	9/17/97	8020-conf	<2						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	9/17/97	8020	<2						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	10/28/97	8020-conf	<2						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	10/28/97	8020	<2						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	10/28/97	8260a	<2	<3	<2	<0.4	<2									
RMW-9	Upper Silverado	2/9/98	8020-conf	<2						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	2/9/98	8020	<2						<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-9	Upper Silverado	2/9/98	8260a	<2	<3	<2	<0.4	<2									
RMW-9	Upper Silverado	4/21/98	8020	<2						<1	<1	<1			<1		
RMW-9	Upper Silverado	4/21/98	8260a	<2	<50	<2	<2	<2									
RMW-9	Upper Silverado	7/27/98	8020	<2						<1	<1	<1	<2	<1	<1		
RMW-9	Upper Silverado	7/27/98	8260a	<2	<50	<2	<2	<2									
RMW-9	Upper Silverado	10/26/98	8020	<2						<1	<1	<1	<2	<1	<1		
RMW-9	Upper Silverado	10/26/98	8260a	<2	<50	<2	<2	<2									
RMW-9	Upper Silverado	1/25/99	8020	<2						<1	<1	<1	<2	<1	<2		
RMW-9	Upper Silverado	1/25/99	8260a	<2	<50	<2	<2	<2									
RMW-9	Upper Silverado	4/26/99	8020	<2						<1	<1	<1	<1	<1	<1		
RMW-9	Upper Silverado	4/26/99	8260a	<2	<50	<2	<2	<2									
RMW-9	Upper Silverado	7/26/99	8020	<2						<1	<1	<1	<1	<1	<1		
RMW-9	Upper Silverado	7/26/99	8260a	<2	<50	<2	<2	<2									
RMW-9	Upper Silverado	10/28/99	8260a	<2	<5	<2	<2	<2		<1	<1	<1	<2	<1	<2		
RMW-9	Upper Silverado	2/22/00	8260a	<2	<5	<2	<2	<2		<1	<1	<1	<2	<1	<2		
RMW-9	Upper Silverado	4/25/00	8260a	<2	<5	<2	<2	<2		<1	<1	<1	<2	<1	<2		
RMW-9	Upper Silverado	7/25/00	8260b	<0.28	<5	<0.68	<0.5	<0.57		<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-9	Upper Silverado	10/30/00	8260b	0.62 J	<5	<0.68	<0.5	<0.57		0.91	<0.18	3.6	1.9	0.93J	2.8	21J	
RMW-9	Upper Silverado	1/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57		<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-9	Upper Silverado	4/16/01	8260b	0.39 J	<5	<0.68	<0.5	<0.57		<0.11	<0.18	0.11J	<0.69	<0.14	<0.82	<10	<50
RMW-9	Upper Silverado	7/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57		<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-9	Upper Silverado	10/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57		<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-9	Upper Silverado	1/14/02	8260b	2.8	<5	<0.68	<0.5	<0.57		<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-9	Upper Silverado	4/15/02	8260b	14	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	62	60J
RMW-9 (dup)	Upper Silverado	4/15/02	8260b	11 J	<5	<0.68	<0.5	<0.57	<0.11	0.18J	1XJ	<0.69	<0.14	<0.82	76	72J
RMW-9	Upper Silverado	7/15/02	8260b	18	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.16J	<0.69	<0.14	<0.82	<10	<50
RMW-9	Upper Silverado	10/14/02	8260b	2.7	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-9	Upper Silverado	1/13/03	8260b	6.4	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-9 (dup)	Upper Silverado	1/13/03	8260b	6.8	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-9	Upper Silverado	4/14/03	8260b	2.1	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-9	Upper Silverado	7/14/03	8260b	2.8	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-9	Upper Silverado	10/13/03	8260b	2.7	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-9	Upper Silverado	1/12/04	8260b	6.9	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-9	Upper Silverado	4/12/04	8260b	2.9	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-9	Upper Silverado	1/10/05	8260b	1.5 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-9 (dup)	Upper Silverado	1/10/05	8260b	2.1	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-9	Upper Silverado	4/29/05	524.2	0.76 J	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-9	Upper Silverado	7/19/05	8260b	2.3VJ	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-9	Upper Silverado	10/26/05	8260b	3.9	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-9	Upper Silverado	4/10/06	524.2	5.7	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.13J	<0.03	<0.016	--	<44	<44
RMW-9	Upper Silverado	7/11/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-9	Upper Silverado	10/24/06	8260b	0.71 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-9	Upper Silverado	4/23/07	8260b	1.2	12	<0.5	0.39UJ	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-9	Upper Silverado	1/30/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-9	Upper Silverado	1/19/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-9	Upper Silverado	1/18/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-9	Upper Silverado	1/17/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-9 (dup)	Upper Silverado	1/17/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-9	Upper Silverado	1/12/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-9	Upper Silverado	7/19/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-9	Upper Silverado	1/30/13	8260B	2.4	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-9	Upper Silverado	1/30/13	8260B	52	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-9	Upper Silverado	2/12/15	8260b	9.1	<4.6	0.22UJ	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-9	Upper Silverado	1/19/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-9	Upper Silverado	1/24/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-9	Upper Silverado	1/18/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-9	Upper Silverado	7/31/18	8260b	0.84 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-9	Upper Silverado	5/1/19	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-9	Upper Silverado	7/24/19	8260b	0.25 UJ	<5.0	0.25 UJ	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-9 (dup)	Upper Silverado	7/24/19	8260b	0.25 UJ	<5.0	0.25 UJ	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-9	Upper Silverado	1/22/20	8260b	0.29 J	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	0.26 J	0.26 J	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-10	Shallow	7/22/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	7/22/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	9/17/97	8020-conf	<2					<0.3	<0.2	0.73J	<0.8	0.4J	1.2J		
RMW-10	Shallow	9/17/97	8020	<2					<0.3	<0.2	0.67J	0.9J	0.47J	1.4J		
RMW-10	Shallow	10/28/97	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	10/28/97	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	10/28/97	8260a	<2	<3	<2	<0.4	<2								
RMW-10	Shallow	2/9/98	8020-conf	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	2/9/98	8020	<2					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-10	Shallow	2/9/98	8260a	<2	<3	<2	<0.4	<2								
RMW-10	Shallow	4/21/98	8020	<2					<1	<1	<1			<1		
RMW-10	Shallow	4/21/98	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	7/27/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-10	Shallow	7/27/98	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	10/26/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-10	Shallow	10/26/98	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	1/25/99	8020	<2					<1	<1	<1	<2	<1	<2		
RMW-10	Shallow	1/25/99	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	4/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-10	Shallow	4/26/99	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	7/26/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-10	Shallow	7/26/99	8260a	<2	<50	<2	<2	<2								
RMW-10	Shallow	10/28/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-10	Shallow	2/22/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-10	Shallow	4/25/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-10	Shallow	7/25/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-10	Shallow	10/30/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-10	Shallow	1/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-10	Shallow	4/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.24J	4.7J	11J	28J	9.6J	37J	<10	<50
RMW-10	Shallow	7/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-10 (dup)	Shallow	7/16/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-10	Shallow	10/15/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50R
RMW-10	Shallow	1/14/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-10	Shallow	4/15/02	8260b	12J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	69V	100XJ
RMW-10	Shallow	7/15/02	8260b	160	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	59J

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-10	Shallow	10/14/02	8260b	610	94	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	120
RMW-10	Shallow	11/22/02	8260b	870	130	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-10	Shallow	12/19/02	8260b	1,100	11J	0.66UJ	<1.6	<1.2	<0.56	<0.50	<0.98	<1	<0.48	<1		
RMW-10 (dup)	Shallow	12/19/02	8260b	900	27J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-10	Shallow	1/13/03	8260b	1,000	25	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	270
RMW-10	Shallow	3/11/03	8260b	1,000	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-10	Shallow	3/27/03	8260b	1,100	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-10	Shallow	4/14/03	8260b	1,100	17J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	560
RMW-10	Shallow	5/29/03	8260b	1,000	5.9J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-10	Shallow	6/26/03	8260b	1,100	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-10	Shallow	7/14/03	8260b	1,300	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	560
RMW-10	Shallow	9/25/03	8260b	1,200	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-10 (dup)	Shallow	9/25/03	8260b	1,200	130J	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-10	Shallow	10/13/03	8260b	1,200	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	710
RMW-10	Shallow	1/12/04	8260b	2,500	830J	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	380
RMW-10 (dup)	Shallow	1/12/04	8260b	2,600	440J	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	380
RMW-10	Shallow	4/12/04	8260b	2,700	430J	<6.4	<5.3	<6.6	<5.8	<3.9	<7	<3.4	<3.2	<3.2	<44	1,400
RMW-10	Shallow	1/10/05	8260b	2,000	910	<6.6	<6.5	<7.8	<5.1	<3.5	<6.9	<7.6	<4.2	<4.2	<44	620
RMW-10 (dup)	Shallow	1/10/05	8260b	2,000	910	<6.6	<6.5	<7.8	<5.1	<3.5	<6.9	<7.6	<4.2	<4.2	<44	630
RMW-10	Shallow	4/29/05	524.2	1,400	890	<6.4	<5.3	<6.6	<0.98	<0.59	<0.76	<1.4	<0.68	--	<44	490
RMW-10	Shallow	7/19/05	8260b	570J	700	<0.33	0.34J	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	71	350
RMW-10	Shallow	10/26/05	8260b	270	470	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-10	Shallow	4/10/06	524.2	160	210	<0.015	<0.011	<0.025	<0.014	<0.021	0.11J	<0.03	<0.016	--	<44	140
RMW-10	Shallow	7/11/06	8260b	11	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-10	Shallow	10/24/06	8260b	140	280	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	130
RMW-10	Shallow	4/9/07	8260b	110	210	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-10	Shallow	7/9/07	8260b	57	110J	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-10 (dup)	Shallow	7/9/07	8260b	59	110J	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-10	Shallow	1/30/08	8260b	22	60	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-10	Shallow	7/10/08	8260b	8.2	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-10	Shallow	1/19/09	8260b	4.9	10V	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-10	Shallow	7/17/09	8260b	2.1	10J	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-10	Shallow	1/18/10	8260b	0.94J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-10 (dup)	Shallow	1/18/10	8260b	0.99J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-10	Shallow	7/21/10	8260b	2.3	3.9J	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-10	Shallow	1/17/11	8260b	2.1	93	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-10 (dup)	Shallow	1/17/11	8260b	2.4	110	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-10	Shallow	7/20/11	8260b	<0.31	18	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-10	Shallow	1/12/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-10	Shallow	7/19/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-10	Shallow	1/30/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	0.25J	<0.24	<0.23	--	<48	<48
RMW-10	Shallow	7/25/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	0.25J	<0.24	<0.23	--	<48	<48
RMW-10	Shallow	1/17/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	0.25J	<0.24	<0.23	--	<48	<48
RMW-10	Shallow	7/24/14	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	0.23UJ	--	<48	<48
RMW-10	Shallow	2/12/15	8260b	0.47J	5.6J	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-10	Shallow	7/16/15	8260b	0.39J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-11	Upper Silverado	1/6/98	8020-conf	33					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11	Upper Silverado	1/6/98	8020	35					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11	Upper Silverado	1/6/98	8260a	34												
RMW-11 (dup)	Upper Silverado	1/6/98	8020-conf	30					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11 (dup)	Upper Silverado	1/6/98	8020	32					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11	Upper Silverado	2/11/98	8020-conf	31					0.75J	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11	Upper Silverado	2/11/98	8020	33					0.75J	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-11	Upper Silverado	2/11/98	8260a	38	150	<2	<0.4	<2								
RMW-11	Upper Silverado	4/23/98	8020	35					<1	<1	<1			<1		
RMW-11	Upper Silverado	4/23/98	8020	5.8					<1	<1	<1			<1		
RMW-11	Upper Silverado	4/23/98	8260a	45	<50	<2	<2	<2								
RMW-11	Upper Silverado	4/23/98	8260a	7.5	<50	<2	<2	<2								
RMW-11 (dup)	Upper Silverado	4/23/98	8020	39					<1	<1	<1			<1		
RMW-11 (dup)	Upper Silverado	4/23/98	8260a	46	<50	<2	<2	<2								
RMW-11	Upper Silverado	7/29/98	8020	25					<1	<1	<1	<2	<1	<1		
RMW-11	Upper Silverado	7/29/98	8260a	30	<50	<2	<2	<2								
RMW-11 (dup)	Upper Silverado	7/29/98	8020	20					<1	<1	<1	<2	<1	<1		
RMW-11 (dup)	Upper Silverado	7/29/98	8260a	28	<50	<2	<2	<2								
RMW-11	Upper Silverado	10/29/98	8020	26					<1	<1	<1	<1	<1	<1		
RMW-11	Upper Silverado	10/29/98	8260a	32	<50	<2	<2	<2								
RMW-11 (dup)	Upper Silverado	10/29/98	8020	28					<1	<1	<1	<1	<1	<1		
RMW-11 (dup)	Upper Silverado	10/29/98	8260a	31	<50	<2	<2	<2								
RMW-11	Upper Silverado	1/26/99	8020	16					<1	<1	<1	<2	<1	<2		
RMW-11	Upper Silverado	1/26/99	8260a	27	<50	<2	<2	<2								
RMW-11	Upper Silverado	4/27/99	8020	66					<1	<1	<1	<1	<1	<1		
RMW-11	Upper Silverado	4/27/99	8260a	57	<50	<2	<2	<2								
RMW-11	Upper Silverado	7/29/99	8020	70					<1	<1	<1	<1	<1	<1		
RMW-11	Upper Silverado	7/29/99	8260a	57	<50	<2	<2	<2								
RMW-11 (dup)	Upper Silverado	7/29/99	8020	69					<1	<1	<1	<1	<1	<1		
RMW-11 (dup)	Upper Silverado	7/29/99	8260a	67	<50	<2	<2	<2								
RMW-11	Upper Silverado	10/29/99	8260a	54	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-11	Upper Silverado	2/24/00	8260a	35	<5	<2	<2	<2	<1	<1	1.5J	<2	<1	<2		
RMW-11	Upper Silverado	4/27/00	8260a	26	<5	<2	<2	<2	<1	<1	1	<2	<1	<2		
RMW-11	Upper Silverado	7/27/00	8260b	27	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.12J	<0.69	<0.14	<0.82	15J	

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-11	Upper Silverado	11/1/00	8260b	26	<5	<0.68	<0.5	<0.57	1.8U	0.47J	6.6U	3.3U	1.7U	4.9U	30U	
RMW-11 (dup)	Upper Silverado	11/1/00	8260b	28	<5	<0.68	<0.5	<0.57	1.7U	0.46J	6.3U	<3.0	1.5U	4.6U	29U	
RMW-11	Upper Silverado	1/23/01	8260b	34	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		17J
RMW-11	Upper Silverado	4/19/01	8260b	73	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.23J	<0.69	<0.14	<0.82	12J	<50
RMW-11	Upper Silverado	5/30/01	8260b	54J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.43J	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	6/26/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	7/18/01	8260b	11	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-11	Upper Silverado	10/15/01	8260b	22	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-11	Upper Silverado	11/26/01	8260b	20	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	12/28/01	8260b	62	11J	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	2/1/02	8260b	88 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-11	Upper Silverado	2/22/02	8260b	140	15J	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	4/8/02	8260b	160	18J	<0.68	0.53J	<0.57	<0.11	<0.18	1XJ	<0.69	0.21J	0.88J		
RMW-11	Upper Silverado	4/30/02	8260b	350	6.5J	<0.68	0.55J	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	86J
RMW-11	Upper Silverado	5/28/02	8260b	570	22J	<0.68	0.73J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	6/28/02	8260b	700	<5	<0.68	0.73J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	8/7/02	8260b	530	<5	<0.68	0.67J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	210
RMW-11	Upper Silverado	8/23/02	8260b	530	21J	<1.4	<1.0	<1.1	<0.22	<0.36	<0.19	<1.4	<0.28	<1.6		
RMW-11 (dup)	Upper Silverado	8/23/02	8260b	480	<5	<0.68	0.68J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	9/26/02	8260b	360	13J	<0.68	0.59J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11 (dup)	Upper Silverado	9/26/02	8260b	420 J	11J	<0.68	0.61J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-11	Upper Silverado	10/24/02	8260b	330	<5	<0.68	0.64J	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	140
RMW-11	Upper Silverado	11/26/02	8260b	280	<5	<0.68	0.53J	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-11	Upper Silverado	12/20/02	8260b	470 J	11J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-11	Upper Silverado	1/24/03	8260b	400	8.2J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	110
RMW-11	Upper Silverado	2/28/03	8260b	440	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-11	Upper Silverado	3/25/03	8260b	390	32J	<0.32	0.38J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-11	Upper Silverado	4/29/03	8260b	750	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	320
RMW-11 (dup)	Upper Silverado	4/29/03	8260b	720	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	280
RMW-11	Upper Silverado	5/30/03	8260b	1,100	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-11 (dup)	Upper Silverado	5/30/03	8260b	1,100	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-11	Upper Silverado	6/24/03	8260b	1,500	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-11 (dup)	Upper Silverado	6/24/03	8260b	1,700	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	1.9J	<1.6	1.9J		
RMW-11	Upper Silverado	7/25/03	8260b	1,200	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	840
RMW-11	Upper Silverado	8/26/03	8260b	1,700	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-11	Upper Silverado	9/26/03	8260b	2,200	650	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-11	Upper Silverado	10/24/03	8260b	2,600	<99	<6.4	<5.3	<6.6	<5.8	<3.9	<7	<3.4	<3.2	<3.2	<44	1,200
RMW-11 (dup)	Upper Silverado	10/24/03	8260b	2,700	<99	<6.4	<5.3	<6.6	<5.8	<3.9	<7	<3.4	<3.2	<3.2	<44	1,200
RMW-11	Upper Silverado	1/23/04	8260b	1,600	260J	<6.4	<5.3	<6.6	<5.8	<3.9	<7	<3.4	<3.2	<3.2	<44	1,100
RMW-11	Upper Silverado	4/23/04	8260b	1,200	310	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	730
RMW-11	Upper Silverado	1/11/05	8260b	540	120J	<3.3	<3.3	<3.9	<2.6	<1.7	<3.5	<3.8	<2.1	<2.1	<44	70J
RMW-11	Upper Silverado	4/22/05	524.2	140	29	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	110
RMW-11	Upper Silverado	7/18/05	8260b	190 J	41	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-11	Upper Silverado	11/11/05	8260b	96	48	<0.33	<0.33	<0.39	<0.26	<0.17	0.35J	<0.38	<0.21	--	<44	98
RMW-11	Upper Silverado	4/20/06	524.2	77	9.5J	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	61
RMW-11	Upper Silverado	7/17/06	8260b	95	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	60
RMW-11	Upper Silverado	10/16/06	8260b	74	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	59
RMW-11	Upper Silverado	4/20/07	8260b	1.3	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-11	Upper Silverado	7/10/07	8260b	4.0	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-11 (dup)	Upper Silverado	7/10/07	8260b	4.0	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-11	Upper Silverado	1/17/08	8260b	1.7	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-11	Upper Silverado	7/8/08	8260b	1.6 J	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-11	Upper Silverado	1/15/09	8260b	0.96 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-11	Upper Silverado	7/14/09	8260b	1.8 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-11	Upper Silverado	1/27/10	8260b	0.92 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-11	Upper Silverado	7/14/10	8260b	1.1	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-11	Upper Silverado	1/26/11	8260b	2.0	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-11	Upper Silverado	7/21/11	8260b	3.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-11	Upper Silverado	1/17/12	8260b	1.6	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-11	Upper Silverado	7/20/12	8260b	0.32 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-11	Upper Silverado	1/18/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-11	Upper Silverado	7/26/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-11 (dup)	Upper Silverado	7/26/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-11	Upper Silverado	1/27/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-11 (dup)	Upper Silverado	1/27/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-11	Upper Silverado	7/25/14	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-11	Upper Silverado	2/16/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-11	Upper Silverado	7/17/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-11	Upper Silverado	1/27/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	0.15J	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-11	Upper Silverado	7/19/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-11	Upper Silverado	1/27/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-11	Upper Silverado	7/21/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-11	Upper Silverado	1/22/18	8260b	0.78 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-11 (dup)	Upper Silverado	1/22/18	8260b	0.47 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-11	Upper Silverado	5/2/19	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-11 (dup)	Upper Silverado	5/2/19	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-11	Upper Silverado	1/23/20	8260b	0.52	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	28 J

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-12	Shallow	1/6/98	8020-conf	29					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12	Shallow	1/6/98	8020	31					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12 (dup)	Shallow	1/6/98	8020-conf	33					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12 (dup)	Shallow	1/6/98	8020	32					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12	Shallow	2/11/98	8020-conf	44					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12	Shallow	2/11/98	8020	36					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12	Shallow	2/11/98	8260a	15	<3	<2	<0.4	<2								
RMW-12 (dup)	Shallow	2/11/98	8020-conf	32					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12 (dup)	Shallow	2/11/98	8020	29					<0.3	<0.2	<0.3	<0.8	<0.3	<0.5		
RMW-12 (dup)	Shallow	2/11/98	8260a	31	<3	<2	<0.4	<2								
RMW-12	Shallow	4/23/98	8020	34					<1	<1	<1			<1		
RMW-12	Shallow	4/23/98	8020	28					<1	<1	<1			<1		
RMW-12	Shallow	4/23/98	8260a	40	<50	<2	<2	<2								
RMW-12	Shallow	4/23/98	8260a	39	<50	<2	<2	<2								
RMW-12	Shallow	7/29/98	8020	15					<1	<1	<1	<2	<1	<1		
RMW-12	Shallow	7/29/98	8260a	15	<50	<2	<2	<2								
RMW-12 (dup)	Shallow	7/29/98	8020	16					<1	<1	<1	<2	<1	<1		
RMW-12 (dup)	Shallow	7/29/98	8260a	16	<50	<2	<2	<2								
RMW-12	Shallow	10/28/98	8020	9.7					<1	<1	<1	<2	<1	<1		
RMW-12	Shallow	10/28/98	8260a	11	<50	<2	<2	<2								
RMW-12	Shallow	1/26/99	8020	4.7 J					<1	<1	<1	<2	<1	<2		
RMW-12	Shallow	1/26/99	8260a	<2	<50	<2	<2	<2								
RMW-12	Shallow	4/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-12	Shallow	4/27/99	8260a	<2	<50	<2	<2	<2								
RMW-12 (dup)	Shallow	4/27/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-12 (dup)	Shallow	4/27/99	8260a	<2	<50	<2	<2	<2								
RMW-12	Shallow	7/29/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-12	Shallow	7/29/99	8260a	<2	<50	<2	<2	<2								
RMW-12	Shallow	10/29/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-12	Shallow	2/24/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-12	Shallow	4/27/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-12	Shallow	7/27/00	8260b	260	25	<0.68	<0.5	<0.57	<0.11	<0.18	0.3J	<0.69	0.2J	<0.82	<10	
RMW-12	Shallow	11/1/00	8260b	71	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-12	Shallow	1/23/01	8260b	57	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		20J
RMW-12 (dup)	Shallow	1/23/01	8260b	86	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		24J

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)											VOLATILE FUEL HYDROCARBONS EPA Method 8015		
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene			Total Xylenes
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-12	Shallow	4/19/01	8260b	93	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	11J	<50
RMW-12	Shallow	5/30/01	8260b	1,400 J	56	<0.68	<0.5	<0.57	<0.11	<0.18	0.16J	<0.69	<0.14	<0.82		
RMW-12	Shallow	6/26/01	8260b	1,800	<25	<3.4	<2.5	<2.8	<0.55	<0.9	<0.46	<3.4	<0.7	<4.1		
RMW-12	Shallow	7/19/01	8260b	170	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		92J
RMW-12 (dup)	Shallow	7/19/01	8260b	170	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		70J
RMW-12	Shallow	10/19/01	8260b	150 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-12	Shallow	11/26/01	8260b	180	13J	<0.68	<0.5	<0.57	0.37J	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-12	Shallow	12/28/01	8260b	160	39	<0.68	<0.5	<0.57	0.5XJ	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-12	Shallow	2/1/02	8260b	500	14J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	120
RMW-12	Shallow	2/22/02	8260b	310	9.3J	<0.68	<0.5	<0.57	0.16J	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-12	Shallow	3/25/02	8260b	520	62	<0.68	<0.5	<0.57	0.23J	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-12	Shallow	4/30/02	8260b	580	26	<0.68	<0.5	<0.57	0.12J	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	150
RMW-12	Shallow	5/28/02	8260b	880	200	<0.68	<0.5	<0.57	0.32J	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-12	Shallow	6/28/02	8260b	770	5.1J	<0.68	<0.5	<0.57	0.19J	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-12	Shallow	8/7/02	8260b	700	<5	<0.68	<0.5	<0.57	0.42J	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	280
RMW-12	Shallow	8/23/02	8260b	700	<5	<0.68	<0.5	<0.57	0.79	1.1	<0.093	10	4.7	15		
RMW-12	Shallow	9/26/02	8260b	640 J	17J	<0.68	<0.5	<0.57	0.24J	<0.18	<0.093	<0.69	0.52J	<0.82		
RMW-12	Shallow	10/24/02	8260b	610	<5	<0.68	<0.5	<0.57	0.54	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	190
RMW-12	Shallow	11/26/02	8260b	520	10J	<0.33	<0.78	<0.61	0.62	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-12	Shallow	12/20/02	8260b	370 J	5.0J	0.33UJ	<0.78	0.61UJ	0.40J	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-12	Shallow	1/24/03	8260b	270	7.2J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	72J
RMW-12	Shallow	2/28/03	8260b	260	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-12	Shallow	3/25/03	8260b	210	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-12	Shallow	4/29/03	8260b	210	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	110
RMW-12 (dup)	Shallow	4/29/03	8260b	240	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	100
RMW-12	Shallow	5/30/03	8260b	170	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	1X	<0.16	2X		
RMW-12	Shallow	6/24/03	8260b	190	<4.9	<0.32	<0.27	<0.33	1.7	<0.19	0.57J	0.73J	0.24J	0.97J		
RMW-12	Shallow	7/25/03	8260b	140	<4.9	<0.32	<0.27	<0.33	0.32J	<0.19	<0.35	<0.17	<0.16	<0.16	<44	62
RMW-12	Shallow	8/26/03	8260b	140	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-12	Shallow	9/26/03	8260b	260	24J	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32		
RMW-12	Shallow	10/24/03	8260b	190	<9.9	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32	<44	110
RMW-12	Shallow	1/23/04	8260b	160	4.9UJ	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32	<44	110
RMW-12	Shallow	4/23/04	8260b	130	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	87
RMW-12	Shallow	1/11/05	8260b	37	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-12	Shallow	4/22/05	524.2	82	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	68

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-12	Shallow	7/18/05	8260b	180 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-12	Shallow	11/11/05	8260b	260	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	47J
RMW-12	Shallow	4/21/06	524.2	230	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	0.10J	<0.016	--	<44	<44
RMW-12	Shallow	7/17/06	8260b	560	<20	<1.6	<1.6	<1.9	<1.3	<0.87	<1.7	<1.9	<1.0	--	<48	330
RMW-12	Shallow	10/16/06	8260b	570	<20	<1.6	<1.6	<1.9	<1.3	<0.87	<1.7	<1.9	<1.0	--	<48	300
RMW-12	Shallow	4/20/07	8260b	460 J	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	280
RMW-12	Shallow	7/10/07	8260b	64	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	87
RMW-12	Shallow	1/17/08	8260b	62	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	49J
RMW-12	Shallow	7/8/08	8260b	73	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	49J
RMW-12	Shallow	1/15/09	8260b	2.1	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-12	Shallow	7/14/09	8260b	3.5	<3.5U	<0.28U	<0.31U	<0.27U	<0.28U	<0.22U	<0.33U	<0.45U	<0.24U	--	<48U	<48U
RMW-12	Shallow	1/27/10	8260b	2.7	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-12	Shallow	7/14/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-12	Shallow	1/26/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-12 (dup)	Shallow	1/26/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-12	Shallow	7/21/11	8260b	1X	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-12	Shallow	1/17/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-12	Shallow	7/20/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-12	Shallow	1/18/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-12	Shallow	7/26/13	8260B	0.85 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-12	Shallow	1/27/14	8260B	1.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-12	Shallow	7/25/14	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-12	Shallow	2/16/15	8260b	0.70 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-12	Shallow	7/17/15	8260b	1.6	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-12	Shallow	1/27/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-13	Upper Silverado	5/18/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-13	Upper Silverado	7/28/98	8020	<2					<1	<1	<1	<2	<1	2J		
RMW-13	Upper Silverado	7/28/98	8260a	<2	<50	<2	<2	<2								
RMW-13	Upper Silverado	10/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
RMW-13	Upper Silverado	10/28/98	8260a	<2	<50	<2	<2	<2								
RMW-13	Upper Silverado	1/27/99	8020	15					<1	<1	<1	<2	<1	<2		
RMW-13	Upper Silverado	1/27/99	8260a	7.5	<50	<2	<2	<2								
RMW-13	Upper Silverado	4/28/99	8020	29					<1	<1	<1	<1	<1	<1		
RMW-13	Upper Silverado	4/28/99	8260a	38	<50	<2	<2	<2								
RMW-13	Upper Silverado	7/28/99	8020	290					<1	<1	<1	<1	<1	<1		
RMW-13	Upper Silverado	7/28/99	8260a	420	<50	<2	<2	<2								
RMW-13	Upper Silverado	10/26/99	8260a	6,300	250J	<20	<20	<20	<10	<10	<10	<20	<10	<20		
RMW-13	Upper Silverado	2/25/00	8260a	1,500	97J	<10	<10	<10	<5	<5	<5	<10	<5	<10		
RMW-13	Upper Silverado	4/28/00	8260a	200	26	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-13 (dup)	Upper Silverado	4/28/00	8260a	160	21J	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-13	Upper Silverado	7/27/00	8260b	640	59	<0.68	<0.5	<0.57	<0.11	<0.18	0.12J	<0.69	<0.14	<0.82	12J	
RMW-13	Upper Silverado	11/2/00	8260b	510	67J	<3.4	<2.5	<2.8	2.8	<0.9	11	5.5	2.9J	8.4J	89	
RMW-13	Upper Silverado	1/24/01	8260b	720	260	<3.4	<2.5	<2.8	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		300
RMW-13	Upper Silverado	2/20/01	8260b	250	58J	<2.7	<2	<2.3	<0.44	<0.72	<0.37	<2.8	0.56J	<3.3		
RMW-13	Upper Silverado	3/12/01	8260b	150	31	<0.68	<0.5	<0.57	0.16J	<0.18	0.45J	<0.69	0.15J	<0.82		75
RMW-13	Upper Silverado	5/31/01	8260b	150	13J	<0.68	<0.5	<0.57	<0.11	<0.18	0.29VJ	<0.69	<0.14	<0.82		
RMW-13	Upper Silverado	6/26/01	8260b	190	8.8J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-13	Upper Silverado	7/23/01	8260b	180	15J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		65J
RMW-13 (dup)	Upper Silverado	7/23/01	8260b	190	14J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		65J
RMW-13	Upper Silverado	10/19/01	8260b	64	10J	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-13 (dup)	Upper Silverado	10/22/01	8260b	74	9.4J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-13	Upper Silverado	11/20/01	8260b	65	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-13	Upper Silverado	12/19/01	8260b	21	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-13 (dup)	Upper Silverado	12/19/01	8260b	18	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-13	Upper Silverado	1/25/02	8260b	14V	<5	0.68UJ	<0.5	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	19J	<50
RMW-13	Upper Silverado	2/25/02	8260b	46	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-13	Upper Silverado	3/21/02	8260b	75	7.9J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-13 (dup)	Upper Silverado	3/21/02	8260b	74	8.9J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-13	Upper Silverado	4/26/02	8260b	43 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	52	53J
RMW-13	Upper Silverado	5/23/02	8260b	41	11J	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-13	Upper Silverado	6/21/02	8260b	84 J	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-13	Upper Silverado	7/26/02	8260b	60	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-13	Upper Silverado	8/26/02	8260b	48	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-13	Upper Silverado	10/25/02	8260b	13	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-13	Upper Silverado	1/22/03	8260b	6.0	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-13	Upper Silverado	4/23/03	8260b	68	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-13	Upper Silverado	7/23/03	8260b	24	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	51
RMW-13 (dup)	Upper Silverado	7/23/03	8260b	23	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-13	Upper Silverado	10/31/03	8260b	28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-13	Upper Silverado	1/21/04	8260b	5.5	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-13	Upper Silverado	4/21/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-13	Upper Silverado	4/20/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-13	Upper Silverado	4/18/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-13	Upper Silverado	1/13/09	8260b	<0.30	3.5UJ	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-13 (dup)	Upper Silverado	1/13/09	8260b	<0.30	3.5UJ	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-13	Upper Silverado	1/24/12	8260b	0.81 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-13	Upper Silverado	2/20/15	8260b	4.5	7.1J	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-13	Upper Silverado	1/26/18	8260b	1.5	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-13 (dup)	Upper Silverado	1/26/18	8260b	1.3	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-13	Upper Silverado	8/1/18	8260b	0.98 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	0.42J	<0.30	<0.23	--	<48	<48
RMW-13	Upper Silverado	4/30/19	8260b	0.48 J	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	25J
RMW-13	Upper Silverado	7/24/19	8260b	0.25UJ	<5.0	0.25UJ	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-13	Upper Silverado	1/24/20	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-14	Upper Silverado	7/15/98	8020	12,000					<1	<1	<1	<2	<1	<1		
RMW-14	Upper Silverado	7/15/98	8260a	16,000												
RMW-14	Upper Silverado	7/30/98	8020	10,000					<1	<1	<1	<2	<1	<1		
RMW-14	Upper Silverado	7/30/98	8260a	17,000	660	<5	<5	<5								
RMW-14 (dup)	Upper Silverado	7/30/98	8020	14,000					<1	<1	<1	<2	<1	<1		
RMW-14 (dup)	Upper Silverado	7/30/98	8260a	15,000	1,200	<5	<5	<5								
RMW-14	Upper Silverado	8/28/98	8020	12,000					<1	<1	<1	<2	<1	<1		
RMW-14	Upper Silverado	8/28/98	8260a	14,000	620	4.6J	2.5J	<2								
RMW-14 (dup)	Upper Silverado	8/28/98	8020	13,000					3.1	<1	<1	<2	<1	<1		
RMW-14 (dup)	Upper Silverado	8/28/98	8260a	14,000	560	4.4J	2.4J	<2								
RMW-14	Upper Silverado	10/29/98	8020	11,000					<1	<1	<1	<1	<1	<1		
RMW-14	Upper Silverado	10/29/98	8260a	13,000	3,400	<5	<5	<5								
RMW-14 (dup)	Upper Silverado	10/29/98	8020	16,000					<1	<1	<1	<1	<1	<1		
RMW-14 (dup)	Upper Silverado	10/29/98	8260a	13,000	3,300	<5	<5	<5								
RMW-14	Upper Silverado	1/27/99	8020	17,000					<1	<1	<1	<2	<1	<2		
RMW-14	Upper Silverado	1/27/99	8260a	11,000	390	<4	<4	<4								
RMW-14 (dup)	Upper Silverado	1/27/99	8020	16,000					<1	<1	<1	<2	<1	<2		
RMW-14 (dup)	Upper Silverado	1/27/99	8260a	15,000	360	4.0J	<4	<4								
RMW-14	Upper Silverado	4/28/99	8020	15,000					<1	<1	<1	<1	<1	<1		
RMW-14	Upper Silverado	4/28/99	8260a	14,000	220	4.2J	<2	<2								
RMW-14	Upper Silverado	7/28/99	8020	6,300					<1	<1	<1	<1	<1	<1		
RMW-14	Upper Silverado	7/28/99	8260a	7,900	420	<2	<2	<2								
RMW-14	Upper Silverado	10/26/99	8260a	2,400	140	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-14	Upper Silverado	2/25/00	8260a	530	40	<2	<2	<2	1J	<1	3	<2	<1	<2		
RMW-14	Upper Silverado	4/28/00	8260a	42	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-14	Upper Silverado	7/28/00	8260b	40	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-14	Upper Silverado	11/2/00	8260b	11	<5	<0.68	<0.5	<0.57	0.7	0.26J	3.3	1.8	0.99J	2.8	17J	
RMW-14	Upper Silverado	1/25/01	8260b	7.4	<5	<0.68	<0.5	<0.57	0.22J	<0.18	<0.093	<0.69	<0.14	<0.82		10J
RMW-14	Upper Silverado	2/20/01	8260b	9.8	<5	<0.68	<0.5	<0.57	0.18J	<0.18	1.0	0.78J	0.34J	1.1J		
RMW-14	Upper Silverado	3/12/01	8260b	9.7	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.3J	<0.69	<0.14	<0.82		10J
RMW-14	Upper Silverado	5/2/01	8260b	14	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-14	Upper Silverado	5/29/01	8260b	14J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.36J	<0.69	<0.14	<0.82		
RMW-14	Upper Silverado	6/25/01	8260b	8.6	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.21J	<0.69	<0.14	<0.82		
RMW-14	Upper Silverado	7/26/01	8260b	6.6	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	0.12J	<0.69	<0.14	<0.82		<50
RMW-14	Upper Silverado	10/22/01	8260b	6.4	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl- benzene	Toluene	m,p- Xylenes	o- Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-14	Upper Silverado	1/18/02	8260b	2.4V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-14 (dup)	Upper Silverado	1/18/02	8260b	2.5V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-14	Upper Silverado	4/19/02	8260b	1.7 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-14	Upper Silverado	7/19/02	8260b	4.6	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-14 (dup)	Upper Silverado	7/19/02	8260b	4.6	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-14	Upper Silverado	10/18/02	8260b	0.60 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-14	Upper Silverado	1/17/03	8260b	0.41 J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-14 (dup)	Upper Silverado	1/17/03	8260b	0.61 J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-14	Upper Silverado	4/18/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14 (dup)	Upper Silverado	4/18/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14	Upper Silverado	7/18/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14	Upper Silverado	10/17/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14	Upper Silverado	1/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14 (dup)	Upper Silverado	1/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14	Upper Silverado	4/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-14	Upper Silverado	1/14/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-14	Upper Silverado	4/15/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-14	Upper Silverado	7/15/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-14	Upper Silverado	10/14/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-14	Upper Silverado	4/14/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-14	Upper Silverado	7/10/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-14	Upper Silverado	10/23/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-14 (dup)	Upper Silverado	10/23/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-14	Upper Silverado	4/13/07	8260b	<0.23	11	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-14 (dup)	Upper Silverado	4/13/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-14	Upper Silverado	1/22/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-14	Upper Silverado	1/16/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-14	Upper Silverado	1/19/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-14	Upper Silverado	1/20/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-14	Upper Silverado	1/16/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-14	Upper Silverado	1/31/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-14	Upper Silverado	1/31/13	8260B	3.9	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-14	Upper Silverado	2/19/15	8260b	1.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-14	Upper Silverado	1/22/16	8260b	0.88 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-14	Upper Silverado	3/6/17	8260b	0.56 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-14	Upper Silverado	2/1/18	8260b	0.56 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-14	Upper Silverado	8/1/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-14	Upper Silverado	4/30/19	8260b	3.6	<5.0	<0.25	0.25UJ	0.25 UJ	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-14 (dup)	Upper Silverado	4/30/19	8260b	3.7	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-14	Upper Silverado	7/24/19	8260b	3.4 J	<5.0	0.25UJ	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-14	Upper Silverado	1/21/20	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	0.46 J	0.50	4.1	3.1	7.2	84	77

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-15	Lower Silverado	8/28/98	8020	3.2 J					<1	<1	<1	<2	<1	<1		
	Lower Silverado	8/28/98	8260a	2.2 J	<50	<2	<2	<2								
RMW-15	Lower Silverado	10/28/98	8020	<2					<1	<1	<1	<2	<1	<1		
	Lower Silverado	10/28/98	8260a	<2	<50	<2	<2	<2								
RMW-15	Lower Silverado	1/27/99	8020	<2					<1	<1	<1	<2	<1	<2		
	Lower Silverado	1/27/99	8260a	<2	<50	<2	<2	<2								
RMW-15	Lower Silverado	4/28/99	8020	<2					<1	<1	<1	<1	<1	<1		
	Lower Silverado	4/28/99	8260a	<2	<50	<2	<2	<2								
RMW-15	Lower Silverado	7/28/99	8020	<2					<1	<1	<1	<1	<1	<1		
	Lower Silverado	7/28/99	8260a	<2	<50	<2	<2	<2								
RMW-15	Lower Silverado	10/26/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-15	Lower Silverado	2/25/00	8260a	<2	<5	<2	<2	<2	<1	<1	2.5	<2	<1	<2		
RMW-15	Lower Silverado	4/28/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-15	Lower Silverado	7/28/00	8260b	1.3UJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.12J	<0.69	<0.14	<0.82	11J	
RMW-15	Lower Silverado	11/2/00	8260b	1.8 J	<5	<0.68	<0.5	<0.57	2.1	0.46J	8.1	4.0	1.9	6.0	36U	
RMW-15	Lower Silverado	1/25/01	8260b	0.73 J	<5	<0.68	<0.5	<0.57	0.19J	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-15	Lower Silverado	5/2/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-15 (dup)	Lower Silverado	5/2/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-15	Lower Silverado	7/26/01	8260b	<0.28	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	0.17J	<0.69	<0.14	<0.82		<50
RMW-15	Lower Silverado	10/24/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-15 (dup)	Lower Silverado	10/24/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-15	Lower Silverado	1/18/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-15	Lower Silverado	4/19/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1.3V	<0.69	<0.14	<0.82	99V	88J
RMW-15 (dup)	Lower Silverado	4/19/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1.0V	<0.69	<0.14	<0.82	64V	57J
RMW-15	Lower Silverado	7/19/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-15	Lower Silverado	10/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-15 (dup)	Lower Silverado	10/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-15	Lower Silverado	1/17/03	8260b	2XJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-15 (dup)	Lower Silverado	1/17/03	8260b	2XJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-15	Lower Silverado	4/18/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15 (dup)	Lower Silverado	4/18/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15	Lower Silverado	7/18/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15	Lower Silverado	10/17/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15 (dup)	Lower Silverado	10/17/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-15	Lower Silverado	1/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15	Lower Silverado	4/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15 (dup)	Lower Silverado	4/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-15	Lower Silverado	1/14/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-15	Lower Silverado	4/15/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-15 (dup)	Lower Silverado	4/15/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	0.051J	<0.029	0.5X	<0.069	<0.034	--	<44	<44
RMW-15	Lower Silverado	7/15/05	8260b	0.29UJ	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-15	Lower Silverado	10/14/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-15	Lower Silverado	4/14/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-15	Lower Silverado	7/10/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-15 (dup)	Lower Silverado	7/10/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-15	Lower Silverado	10/23/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-15	Lower Silverado	4/13/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-15	Lower Silverado	1/22/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-15 (dup)	Lower Silverado	1/22/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-15	Lower Silverado	1/16/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-15 (dup)	Lower Silverado	1/16/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-15	Lower Silverado	1/19/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-15 (dup)	Lower Silverado	1/19/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-15	Lower Silverado	1/20/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-15 (dup)	Lower Silverado	1/20/11	8260b	<0.30	5.2J	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-15	Lower Silverado	1/16/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-15	Lower Silverado	1/31/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-15	Lower Silverado	1/22/14	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-15 (dup)	Lower Silverado	1/22/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-15	Lower Silverado	2/19/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-15	Lower Silverado	1/22/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-15	Lower Silverado	3/6/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-15 (dup)	Lower Silverado	3/6/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-15	Lower Silverado	1/25/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-15 (dup)	Lower Silverado	1/25/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-16A	Shallow	8/28/98	8020	240					<1	<1	<1	<2	<1	<1		
	Shallow	8/28/98	8260a	270	<50	<2	<2	<2								
RMW-16A	Shallow	10/28/98	8020	730					<1	<1	<1	<2	<1	<1		
	Shallow	10/28/98	8260a	700	<50	<2	<2	<2								
RMW-16A	Shallow	1/27/99	8020	1,200					<1	<1	<1	<2	<1	<2		
	Shallow	1/27/99	8260a	760	<50	<2	<2	<2								
RMW-16A	Shallow	4/28/99	8020	600					<1	<1	<1	<1	<1	<1		
	Shallow	4/28/99	8260a	560	<50	<2	<2	<2								
RMW-16A(dup)	Shallow	4/28/99	8020	460					<1	<1	<1	<1	<1	<1		
	Shallow	4/28/99	8260a	520	<50	<2	<2	<2								
RMW-16A	Shallow	7/28/99	8020	1,400					<1	<1	<1	<1	<1	<1		
	Shallow	7/28/99	8260a	2,000	170	<2	<2	<2								
RMW-16A	Shallow	10/26/99	8260a	2,600	120	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-16A	Shallow	2/25/00	8260a	4,900	520	<10	<10	<10	<5	<5	<5	<10	<5	<10		
RMW-16A	Shallow	4/28/00	8260a	3,500	900	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-16A	Shallow	7/28/00	8260b	7,600	510	2.5J	1.5J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	36J	
RMW-16A	Shallow	11/3/00	8260b	1,300	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	110	
RMW-16A	Shallow	1/25/01	8260b	4,000	420	1.7J	0.84J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		2,500
RMW-16A	Shallow	2/20/01	8260b	2,800	94J	<3.4	<2.5	<2.8	<0.55	<0.9	<0.47	<3.4	<0.7	<4.1		
RMW-16A	Shallow	3/12/01	8260b	1,800	140J	<6.8	<5	<5.7	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2		960
RMW-16A	Shallow	5/31/01	8260b	1,800	66J	<6.8	<5	<5.7	1.4UJ	<1.8	<0.93	<6.9	<1.4	<8.2		
RMW-16A	Shallow	6/26/01	8260b	1,600	44	0.76J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	7/26/01	8260b	1,200	50	<0.68	0.5UJ	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		450
RMW-16A	Shallow	10/24/01	8260b	320	8.6J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50X	170
RMW-16A	Shallow	11/26/01	8260b	140	6.1J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	12/19/01	8260b	51	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	1/18/02	8260b	40	5.5J	<0.68	<0.5	<0.57	<0.11	<0.18	0.1J	<0.69	<0.14	<0.82	<10	<50
RMW-16A	Shallow	2/26/02	8260b	28J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	3/26/02	8260b	8.8	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	4/19/02	8260b	14	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-16A	Shallow	5/23/02	8260b	22	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	6/21/02	8260b	11VJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	7/19/02	8260b	8.3J	7.9J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-16A	Shallow	8/27/02	8260b	6.7	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-16A	Shallow	10/18/02	8260b	3.5	<5	<0.68	<0.5	<0.57	0.12J	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-16A	Shallow	1/17/03	8260b	9.4	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-16A	Shallow	4/18/03	8260b	5.3	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-16A	Shallow	7/18/03	8260b	0.91 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-16A	Shallow	10/17/03	8260b	0.42 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-16A	Shallow	1/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-16A(dup)	Shallow	1/16/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-16A	Shallow	4/16/04	8260b	0.49 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-16A	Shallow	1/14/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-16A	Shallow	4/15/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-16A	Shallow	7/15/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-16A	Shallow	4/14/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	0.091J	<0.016	--	<44	<44
RMW-16A	Shallow	7/10/06	8260b	0.39 J	<3.9	<0.33	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-16A	Shallow	10/23/06	8260b	0.61 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-16A	Shallow	4/13/07	8260b	0.29 J	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-16A	Shallow	1/22/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-16A	Shallow	1/16/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-16A	Shallow	1/19/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-16A	Shallow	1/20/11	8260b	0.52 J	26	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-16A	Shallow	1/16/12	8260b	1.1	33U	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-16A	Shallow	1/31/13	8260B	0.94 J	25	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-16A	Shallow	1/22/14	8260B	2.7	32	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-16A	Shallow	2/19/15	8260b	8.4	26	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-16A(dup)	Shallow	2/19/15	8260b	8.4	13	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-16A	Shallow	1/22/16	8260b	0.31 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-16A (dup)	Shallow	1/22/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-16A	Shallow	3/7/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-17	Upper Silverado	8/24/99	8020	<2					<1	<1	<1	<1	<1	<1		
RMW-17	Upper Silverado	8/24/99	8260a	<2	<50	<2	<2	<2								
RMW-17	Upper Silverado	10/27/99	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-17	Upper Silverado	2/24/00	8260a	<2	<5	<2	<2	<2	<1	<1	1.7J	<2	<1	<2		
RMW-17	Upper Silverado	4/27/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-17	Upper Silverado	7/27/00	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.1J	<0.69	<0.14	<0.82	<10	
RMW-17	Upper Silverado	11/2/00	8260b	0.42U	<5	<0.68	<0.5	<0.57	0.35J	<0.18	1.3	<0.69	0.34J	0.96J	15U	
RMW-17	Upper Silverado	1/25/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.18J	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-17	Upper Silverado	5/8/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.25J	0.69J	1.5	0.42J	1.9J	<10	<50
RMW-17	Upper Silverado	7/20/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-17	Upper Silverado	10/24/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-17	Upper Silverado	1/24/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-17	Upper Silverado	4/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-17	Upper Silverado	7/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-17	Upper Silverado	10/21/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-17	Upper Silverado	1/20/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-17	Upper Silverado	4/21/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17	Upper Silverado	7/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17	Upper Silverado	10/20/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17 (dup)	Upper Silverado	10/20/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17	Upper Silverado	1/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17 (dup)	Upper Silverado	1/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17	Upper Silverado	4/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-17	Upper Silverado	4/18/05	524.2	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-17	Upper Silverado	4/17/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	0.083J	<0.021	0.5X	<0.03	<0.016	--	<48	<48
RMW-17	Upper Silverado	11/8/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-17	Upper Silverado	4/23/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-17	Upper Silverado	1/29/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-17 (dup)	Upper Silverado	1/29/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-17	Upper Silverado	1/22/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-17	Upper Silverado	1/26/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-17	Upper Silverado	1/25/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-17	Upper Silverado	1/19/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-17	Upper Silverado	1/28/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-17	Upper Silverado	1/28/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-17	Upper Silverado	2/25/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-17 (dup)	Upper Silverado	2/25/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-17	Upper Silverado	1/27/16	8260b	4.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-17	Upper Silverado	3/6/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-17	Upper Silverado	1/31/18	8260b	<0.31	7.2J	<0.22	<0.33	<0.44	<0.14	<0.14	0.31J	<0.30	<0.23	--	<48	<48
RMW-17	Upper Silverado	4/30/19	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-17	Upper Silverado	7/23/19	8260b	<0.25	5.0UJ	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-17	Upper Silverado	1/21/20	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	0.34 J	1.0	0.76	1.76	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-18	Shallow	8/24/99	8020	6.7					<1	<1	<1	<1	<1	<1		
RMW-18	Shallow	8/24/99	8260a	2.4 J	<50	<2	<2	<2								
RMW-18	Shallow	10/27/99	8260a	2.3 J	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-18 (dup)	Shallow	10/27/99	8260a	2.7 J	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-18	Shallow	4/27/00	8260a	<2	<5	<2	<2	<2	<1	<1	<1	<2	<1	<2		
RMW-18	Shallow	7/28/00	8260b	1 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	
RMW-18	Shallow	11/2/00	8260b	2.5	<5	<0.68	<0.5	<0.57	0.64	0.22J	2.6	1.5	0.78J	2.2	17J	
RMW-18	Shallow	1/25/01	8260b	1.8 J	<5	<0.68	<0.5	<0.57	0.13J	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-18	Shallow	5/8/01	8260b	2.1	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-18	Shallow	7/20/01	8260b	2.0 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-18 (dup)	Shallow	7/20/01	8260b	1.9 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-18	Shallow	11/7/01	8260b	2	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-18	Shallow	1/24/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-18	Shallow	4/18/02	8260b	0.54 J	<5	<0.68	<0.5	<0.57	<0.11	0.28J	1XJ	0.8J	<0.14	0.9J	92	88J
RMW-18	Shallow	7/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-18	Shallow	10/21/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-18	Shallow	1/20/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-18	Shallow	4/21/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-18	Shallow	7/21/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-18	Shallow	10/20/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-18	Shallow	1/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-18	Shallow	4/19/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-18	Shallow	4/18/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-18	Shallow	4/17/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--	<48	<48
RMW-18	Shallow	11/8/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-18	Shallow	4/23/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-18	Shallow	1/29/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-18	Shallow	1/22/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-18	Shallow	1/26/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-18 (dup)	Shallow	1/26/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-18	Shallow	1/25/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-18	Shallow	1/19/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-18	Shallow	1/28/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-18	Shallow	1/28/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-19	Upper Silverado	11/1/00	8260b	0.91 J	<5	<0.68	<0.5	<0.57	0.28J	<0.18	0.49J	<0.69	<0.14	<0.82	11J	
RMW-19	Upper Silverado	1/23/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-19	Upper Silverado	4/20/01	8260b	0.63VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.24VJ	<0.69	<0.14	<0.82	<10	<50
RMW-19 (dup)	Upper Silverado	4/20/01	8260b	0.51VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.19VJ	<0.69	<0.14	<0.82	<10	<50
RMW-19	Upper Silverado	7/19/01	8260b	0.31VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-19	Upper Silverado	11/7/01	8260b	2.6 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-19	Upper Silverado	1/17/02	8260b	4.2V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-19	Upper Silverado	2/22/02	8260b	2.2V	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-19 (dup)	Upper Silverado	2/22/02	8260b	2.3V	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-19	Upper Silverado	3/25/02	8260b	5.1	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-19	Upper Silverado	4/30/02	8260b	3.4	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-19	Upper Silverado	5/28/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-19	Upper Silverado	6/25/02	8260b	0.39 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.13J	<0.69	<0.14	<0.82		
RMW-19	Upper Silverado	7/30/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-19	Upper Silverado	8/28/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	3.4	2.7	6.1		
RMW-19	Upper Silverado	9/30/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-19	Upper Silverado	10/24/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.11J	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-19	Upper Silverado	11/26/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-19 (dup)	Upper Silverado	11/26/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-19	Upper Silverado	12/20/02	8260b	0.33UJ	<1.9	0.33UJ	<0.78	0.61UJ	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-19	Upper Silverado	1/23/03	8260b	0.44 J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-19	Upper Silverado	2/28/03	8260b	2XJ	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	3/25/03	8260b	3.4	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	4/29/03	8260b	12	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-19 (dup)	Upper Silverado	4/29/03	8260b	12	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-19	Upper Silverado	5/30/03	8260b	17	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	6/27/03	8260b	28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	7/25/03	8260b	40	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-19	Upper Silverado	8/26/03	8260b	57	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19 (dup)	Upper Silverado	8/26/03	8260b	56	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	9/26/03	8260b	84	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19 (dup)	Upper Silverado	9/26/03	8260b	89	6.4J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-19	Upper Silverado	10/24/03	8260b	41	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-19	Upper Silverado	1/23/04	8260b	130	13J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	86
RMW-19	Upper Silverado	4/23/04	8260b	190	<4.9	<0.32	0.3J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	120

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-19	Upper Silverado	1/11/05	8260b	900	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	100
RMW-19	Upper Silverado	4/22/05	524.2	640	4.9UJ	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	290
RMW-19	Upper Silverado	7/18/05	8260b	760	<39	<3.3	<3.3	<3.9	<2.6	<1.7	<3.5	<3.8	<2.1	--	<44	66
RMW-19	Upper Silverado	11/11/05	8260b	320	<3.9	<0.33	0.35J	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	250
RMW-19	Upper Silverado	4/21/06	524.2	160	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--	<44	<44
RMW-19	Upper Silverado	7/17/06	8260b	2,400 J	740	0.41J	<0.33	<0.33	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	820
RMW-19	Upper Silverado	10/16/06	8260b	1,700	340	0.39J	0.52J	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	890
RMW-19	Upper Silverado	4/20/07	8260b	1,100 J	500	<2.5	<1.9	<2.3	<0.96	<0.67	<1.1	<1.4	<0.85	--	<48	780
RMW-19	Upper Silverado	7/10/07	8260b	640	210	<5.6	<1.7	<0.92	<0.7	<1.1	<1.4	<2.7	<0.84	--	<48	290
RMW-19	Upper Silverado	1/17/08	8260b	730	75	<5.6	<1.7	<0.92	<0.7	<1.1	<1.4	<2.7	<0.84	--	<48	340
RMW-19	Upper Silverado	7/10/08	8260b	320	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	170
RMW-19	Upper Silverado	1/15/09	8260b	73	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	61
RMW-19 (dup)	Upper Silverado	1/15/09	8260b	61	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	63
RMW-19	Upper Silverado	7/14/09	8260b	12	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-19 (dup)	Upper Silverado	7/14/09	8260b	12	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-19	Upper Silverado	1/27/10	8260b	13	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-19 (dup)	Upper Silverado	1/27/10	8260b	13	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-19	Upper Silverado	7/19/10	8260b	2.9	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-19	Upper Silverado	1/26/11	8260b	3.0	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-19	Upper Silverado	7/19/11	8260b	0.33 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-19 (dup)	Upper Silverado	7/19/11	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-19	Upper Silverado	1/17/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-19 (dup)	Upper Silverado	1/17/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-19	Upper Silverado	7/18/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-19	Upper Silverado	1/18/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-19	Upper Silverado	7/24/13	8260B	0.86 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-19	Upper Silverado	1/21/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-19 (dup)	Upper Silverado	1/21/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-19	Upper Silverado	7/23/14	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-19	Upper Silverado	2/16/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-19	Upper Silverado	7/15/15	8260b	6.9	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-19	Upper Silverado	1/21/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-19	Upper Silverado	7/20/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-19 (dup)	Upper Silverado	7/20/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-19	Upper Silverado	1/26/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-19	Upper Silverado	7/19/17	8260b	0.38 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-19	Upper Silverado	1/22/18	8260b	0.68 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-19	Upper Silverado	4/30/19	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	25 J
RMW-19	Upper Silverado	1/23/20	8260b	0.98	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	39 J	100

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-20	Shallow	11/1/00	8260b	3.0	<5	<0.68	<0.5	<0.57	1.2	0.35J	4.8	2.5	1.3	3.8	29J	
RMW-20	Shallow	1/23/01	8260b	5 UJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		14J
RMW-20	Shallow	4/20/01	8260b	3.5	<5	<0.68	<0.5	<0.57	0.15J	<0.18	0.19VJ	<0.69	<0.14	<0.82	11J	<50
RMW-20	Shallow	7/19/01	8260b	1.5 J	<5	<0.68	<0.5	<0.57	0.11J	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-20	Shallow	10/19/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-20	Shallow	12/19/01	8260b	3.6V	<5	0.68UJ	<0.5	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20	Shallow	1/17/02	8260b	7.0V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-20 (dup)	Shallow	1/17/02	8260b	7.2V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-20	Shallow	2/22/02	8260b	3.8V	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20	Shallow	3/25/02	8260b	5.0	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20	Shallow	4/30/02	8260b	3.3	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	51V	<50
RMW-20	Shallow	5/28/02	8260b	4.1	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20 (dup)	Shallow	5/28/02	8260b	4.0	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-20	Shallow	6/25/02	8260b	7.3	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20	Shallow	7/30/02	8260b	2.9	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-20	Shallow	8/28/02	8260b	3.4	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	1.0	2.0	3.1		
RMW-20	Shallow	9/30/02	8260b	5.2 J	<5	0.68UJ	0.5UJ	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-20	Shallow	10/24/02	8260b	13	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-20	Shallow	11/26/02	8260b	5.5	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-20	Shallow	12/20/02	8260b	6.5 J	1.9UJ	0.33UJ	<0.78	0.61UJ	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-20	Shallow	1/23/03	8260b	6.1	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	<50
RMW-20	Shallow	2/28/03	8260b	3.1	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	3/25/03	8260b	2.2	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	4/29/03	8260b	1.8 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20 (dup)	Shallow	4/29/03	8260b	1.8 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20	Shallow	5/30/03	8260b	3.1	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	6/27/03	8260b	2.1	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	7/25/03	8260b	6.3	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20	Shallow	8/26/03	8260b	20	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	9/26/03	8260b	14	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-20	Shallow	10/24/03	8260b	9.1	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20	Shallow	1/23/04	8260b	4.6	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20	Shallow	4/23/04	8260b	12	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-20	Shallow	1/11/05	8260b	940	5.9J	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	110
RMW-20	Shallow	5/31/05	524.2	530 J	5.1J	0.32UJ	0.27UJ	0.33UJ	0.049UJ	0.029UJ	0.09J	0.069UJ	0.034UJ	--	44UJ	240J
RMW-20 (dup)	Shallow	5/31/05	524.2	540 J	4.9UJ	0.32UJ	0.27UJ	0.33UJ	0.049UJ	0.029UJ	0.079J	0.069UJ	0.034UJ	--	44UJ	240J

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-20	Shallow	7/18/05	8260b	670	<39	<3.3	<3.3	<3.9	<2.6	<1.7	<3.5	<3.8	<2.1	--	<44	63
RMW-20	Shallow	11/11/05	8260b	1,500	<3.9	0.33J	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	680
RMW-20	Shallow	4/21/06	524.2	130 J	<0.79	0.02UJ	0.01UJ	0.03UJ	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-20	Shallow	7/17/06	8260b	92	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-20	Shallow	10/16/06	8260b	300	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	180
RMW-20	Shallow	4/20/07	8260b	360 J	15	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	230
RMW-20	Shallow	7/10/07	8260b	350 J	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	130
RMW-20	Shallow	1/17/08	8260b	6.3	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-20 (dup)	Shallow	1/17/08	8260b	6.1	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-20	Shallow	7/10/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-20 (dup)	Shallow	7/10/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-20	Shallow	1/15/09	8260b	28	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	50
RMW-20	Shallow	7/14/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-20	Shallow	1/27/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-20	Shallow	7/20/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-20	Shallow	1/26/11	8260b	31	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	51
RMW-20	Shallow	7/19/11	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-20	Shallow	1/16/12	8260b	0.32J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-20 (dup)	Shallow	1/16/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-20	Shallow	7/18/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-20 (dup)	Shallow	7/18/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-20	Shallow	1/18/13	8260b	1.4	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-20	Shallow	7/24/13	8260b	1.0	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-20 (dup)	Shallow	7/24/13	8260b	1.5	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-20	Shallow	1/21/14	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-20	Shallow	7/23/14	8260b	0.48 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-20 (dup)	Shallow	7/23/14	8260b	0.49 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-20	Shallow	2/16/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-20 (dup)	Shallow	2/16/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-20	Shallow	7/15/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-20 (dup)	Shallow	7/15/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-20	Shallow	1/21/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-20	Shallow	7/20/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-20	Shallow	1/26/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-20	Shallow	7/19/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-20 (dup)	Shallow	7/19/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-20	Shallow	1/22/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-21	Upper Silverado	1/24/01	8260b	2.3 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-21	Upper Silverado	2/21/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.16J	<0.18	<0.093	<0.69	<0.14	1.0J		
RMW-21 (dup)	Upper Silverado	2/21/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.12J	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	3/13/01	8260b	2.8 J	<5	<0.68	<0.5	<0.57	0.21J	<0.18	0.60 UJ	<0.69	0.18J	<0.82		<10
RMW-21	Upper Silverado	4/30/01	8260b	6.8	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10J	<50
RMW-21	Upper Silverado	5/29/01	8260b	170	6.6J	<0.68	<0.5	<0.57	<0.11	<0.18	0.28J	<0.69	<0.14	<0.82		
RMW-21 (dup)	Upper Silverado	5/29/01	8260b	180	5.4J	<0.68	<0.5	<0.57	<0.11	<0.18	0.29J	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	6/25/01	8260b	760	56	<0.68	<0.5	<0.57	<0.11	<0.18	0.23J	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	7/23/01	8260b	52	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-21	Upper Silverado	10/22/01	8260b	190	9.1J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-21	Upper Silverado	11/30/01	8260b	160	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21 (dup)	Upper Silverado	11/30/01	8260b	170	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	12/28/01	8260b	2,100	360	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	1/25/02	8260b	3,200	280	6.8VJ	<5	5.7VJ	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2	50XJ	710
RMW-21	Upper Silverado	2/25/02	8260b	3,400 J	100	0.68UJ	0.74J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	3/21/02	8260b	3,300	480	0.77J	0.7J	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-21 (dup)	Upper Silverado	3/21/02	8260b	3,200	340	0.81J	0.74J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	4/26/02	8260b	4,400 J	290	1.2J	0.95J	<0.57	0.34J	<0.18	1XJ	<0.69	<0.14	<0.82	68J	590
RMW-21	Upper Silverado	5/30/02	8260b	3,900	240	1.1J	0.77J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	6/27/02	8260b	3,100	37	0.74J	0.63J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-21	Upper Silverado	7/26/02	8260b	3,100	69	0.81J	0.78J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	330
RMW-21	Upper Silverado	8/26/02	8260b	2,800	330	0.76J	0.56J	<0.57	<0.11	<0.18	<0.093	0.81J	0.73J	1.5J		
RMW-21	Upper Silverado	9/26/02	8260b	2,600	69J	<6.8	<5	<5.7	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2		
RMW-21 (dup)	Upper Silverado	9/26/02	8260b	2,500	62J	<6.8	<5	<5.7	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2		
RMW-21	Upper Silverado	10/25/02	8260b	2,300	12J	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	740
RMW-21	Upper Silverado	11/22/02	8260b	1,800	99	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-21 (dup)	Upper Silverado	11/22/02	8260b	1,600	350	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-21	Upper Silverado	12/18/02	8260b	1,200 J	30J	1.3UJ	<3.1	<2.4	<1.1	<1	<2	<2.1	<0.96	<2.1		
RMW-21 (dup)	Upper Silverado	12/18/02	8260b	1,400 J	28J	1.3UJ	<3.1	<2.4	<1.1	<1	<2	<2.1	<0.96	<2.1		
RMW-21	Upper Silverado	1/22/03	8260b	910	70	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	470
RMW-21	Upper Silverado	2/26/03	8260b	25	10UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-21	Upper Silverado	3/26/03	8260b	8.0	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-21	Upper Silverado	4/23/03	8260b	12	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21 (dup)	Upper Silverado	4/23/03	8260b	12	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21	Upper Silverado	5/28/03	8260b	15	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-21	Upper Silverado	6/25/03	8260b	4.4	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-21	Upper Silverado	7/23/03	8260b	5.9	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21	Upper Silverado	8/27/03	8260b	1.7 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-21	Upper Silverado	9/24/03	8260b	5.9	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-21	Upper Silverado	10/31/03	8260b	6.2	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21	Upper Silverado	1/21/04	8260b	6.3	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21	Upper Silverado	4/21/04	8260b	1.9 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-21	Upper Silverado	1/12/05	8260b	1.0 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-21	Upper Silverado	4/20/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-21	Upper Silverado	7/13/05	8260b	2.0	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-21	Upper Silverado	10/12/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-21	Upper Silverado	4/18/06	524.2	1.3	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--	<44	<44
RMW-21	Upper Silverado	7/14/06	8260b	5.5	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-21	Upper Silverado	10/27/06	8260b	0.36 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-21	Upper Silverado	4/17/07	8260b	0.39 J	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-21	Upper Silverado	1/25/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-21	Upper Silverado	1/13/09	8260b	<0.30	3.5UJ	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-21	Upper Silverado	1/26/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-21	Upper Silverado	1/25/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-21	Upper Silverado	1/25/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-21	Upper Silverado	1/29/13	8260B	7.0	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	0.31J	0.32J	0.43J	--	<48	48J
RMW-21	Upper Silverado	1/29/13	8260B	38	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	48J
RMW-21	Upper Silverado	2/18/15	8260b	25	10X	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-21	Upper Silverado	1/26/16	8260b	13	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-21	Upper Silverado	3/7/17	8260b	11	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-21	Upper Silverado	1/24/18	8260b	14	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-21 (dup)	Upper Silverado	1/24/18	8260b	14	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-21	Upper Silverado	8/1/18	8260b	9.0	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-21	Upper Silverado	5/1/19	8260b	3.4	<5.0	<0.25	<0.25	0.25UJ	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-21	Upper Silverado	7/25/19	8260b	0.68	<5.0	<0.25	<0.25	0.25UJ	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-21	Upper Silverado	1/24/20	8260b	4.5	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-21 (dup)	Upper Silverado	1/24/20	8260b	4.6	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0		
RMW-22 RMW-22 (dup)	Shallow	1/24/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
	Shallow	1/24/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-22	Shallow	2/21/01	8260b	0.36 J	<5	<0.68	<0.5	<0.57	0.16J	0.27J	0.87J	1.6	0.65J	2.3		
RMW-22	Shallow	3/13/01	8260b	0.28U	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.34 UJ	<0.69	<0.14	<0.82		<10
RMW-22	Shallow	4/30/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-22	Shallow	5/29/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.18J	<0.69	<0.14	<0.82		
RMW-22	Shallow	6/25/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	7/23/01	8260b	<0.28	<5	<0.68	0.5UJ	<0.57	<0.11	0.42J	<0.093	1.2	0.14J	1.4J		<50
RMW-22	Shallow	10/22/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-22	Shallow	11/30/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	12/28/01	8260b	2XJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	1/25/02	8260b	<2.5	<5	0.68UJ	<0.5	0.57UJ	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	12J	<50
RMW-22	Shallow	2/25/02	8260b	2.7	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	3/21/02	8260b	2XJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22 RMW-22 (dup)	Shallow	4/26/02	8260b	5.6V	<5	<0.68	<0.5	<0.57	0.39J	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
	Shallow	4/26/02	8260b	9.4V	<5	<0.68	<0.5	<0.57	0.44J	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-22	Shallow	5/30/02	8260b	0.84 J	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	6/27/02	8260b	0.4 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	8/12/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.5XJ	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-22 (dup)	Shallow	8/12/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.5XJ	1XJ	1XJ	1.4V	1XJ	2XJ	50XJ	<50
RMW-22	Shallow	8/26/02	8260b	0.47 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	9/26/02	8260b	0.44 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-22	Shallow	11/1/02	8260b	2XJ	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-22	Shallow	11/22/02	8260b	2V	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-22	Shallow	12/18/02	8260b	6.6 J	<1.9	0.33UJ	<0.78	0.61UJ	<0.28	<0.25	<0.49	<0.52	<0.24	<0.52		
RMW-22	Shallow	1/22/03	8260b	16	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-22	Shallow	2/26/03	8260b	36	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	3/26/03	8260b	82	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	4/23/03	8260b	96	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	50J
RMW-22	Shallow	5/28/03	8260b	110	21J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	6/25/03	8260b	43	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	7/23/03	8260b	20	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	48J
RMW-22	Shallow	8/27/03	8260b	61	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	9/24/03	8260b	75	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-22	Shallow	10/31/03	8260b	16	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-22	Shallow	1/21/04	8260b	12	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-22	Shallow	4/21/04	8260b	5.9	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-22	Shallow	1/12/05	8260b	10	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-22	Shallow	4/20/05	524.2	71	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-22	Shallow	7/13/05	8260b	6.3	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-22	Shallow	10/12/05	8260b	340	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	51
RMW-22	Shallow	4/18/06	524.2	0.095 J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-22	Shallow	7/14/06	8260b	32	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-22	Shallow	10/27/06	8260b	20	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-22	Shallow	4/17/07	8260b	4.4	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-22 (dup)	Shallow	4/17/07	8260b	4.2	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-22	Shallow	7/13/07	8260b	0.82 J	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-22	Shallow	1/25/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-22	Shallow	7/7/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-22	Shallow	1/13/09	8260b	0.49 J	3.5UJ	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-22	Shallow	7/17/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-22	Shallow	1/26/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-22	Shallow	7/13/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-22	Shallow	1/25/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-22	Shallow	8/3/11	8260b	0.62 J	<4.6	<0.22	<0.33	<0.44	0.21J	<0.14	<0.24	<0.24	<0.23	--	<48	49J
RMW-22	Shallow	1/25/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-22	Shallow	7/20/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-22	Shallow	1/29/13	8260B	1.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-22	Shallow	7/26/13	8260B	1.7	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-22	Shallow	1/24/14	8260B	3.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-22	Shallow	7/24/14	8260b	9.7	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	0.23UJ	--	<48	<48
RMW-22	Shallow	2/18/15	8260b	5.4	10X	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-22	Shallow	7/16/15	8260b	5.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-22	Shallow	1/26/16	8260b	0.47 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-22	Shallow	7/21/16	8260b	0.43 J	<4.6	<0.22	0.33UJ	0.44UJ	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-22 (dup)	Shallow	7/21/16	8260b	0.43 J	<4.6	<0.22	0.33UJ	0.44UJ	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-22	Shallow	3/7/17	8260b	0.64 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-22	Shallow	7/20/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-22	Shallow	1/24/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-23	Upper Silverado	12/11/00	8260b	1,100 J	<50	<0.68	<5	<5.7	<1.1	<1.8	1.4U	<6.9	<1.4	<8.2	18U	
RMW-23	Upper Silverado	1/22/01	8260b	1,700	30J	<2.7	<2	<2.3	<0.44	<0.72	<0.37	<2.8	<0.56	<3.3	<10	
RMW-23	Upper Silverado	2/21/01	8260b	1,700	280	<0.68	<0.5	<0.57	0.11J	<0.18	0.35J	<0.69	0.17J	<0.82		
RMW-23	Upper Silverado	3/13/01	8260b	1,600	38J	<1.4	<1	<1.1	<0.22	<0.36	<0.19	<1.4	<0.28	<1.6		530
RMW-23	Upper Silverado	4/19/01	8260b	1,800	<100	<14	<10	<11	<2.2	<3.6	4.6J	<14	<2.8	<16	130J	590
RMW-23	Upper Silverado	6/1/01	8260b	1,300	15J	<0.68	<0.5	<0.57	0.13J	<0.18	0.26J	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	6/28/01	8260b	1,200	150	<0.68	<0.5	<0.57	<0.11	<0.18	0.24J	<0.69	0.14J	<0.82		
RMW-23	Upper Silverado	7/18/01	8260b	1,400	220	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		510
RMW-23 (dup)	Upper Silverado	7/18/01	8260b	130	170	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		400
RMW-23	Upper Silverado	10/18/01	8260b	1,100	55	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<20	320
RMW-23 (dup)	Upper Silverado	10/18/01	8260b	1,100	64	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	260
RMW-23	Upper Silverado	11/21/01	8260b	1,100	23J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	12/20/01	8260b	1,400	31	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23 (dup)	Upper Silverado	12/20/01	8260b	1,600	25	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	1/16/02	8260b	2,200	270	<6.8	<5	<5.7	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2	50XJ	1,200
RMW-23	Upper Silverado	2/21/02	8260b	2,600 J	19J	0.75J	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-23 (dup)	Upper Silverado	2/21/02	8260b	2,700 J	29	0.71J	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	3/22/02	8260b	2,600	480	2.7V	2V	2.3V	0.44V	0.72V	0.37V	2.8V	0.56V	3.3V		
RMW-23 (dup)	Upper Silverado	3/22/02	8260b	1,700	140	3.4V	2.5V	2.8V	0.6J	0.9V	0.7J	3.4V	0.7V	4.1V		
RMW-23	Upper Silverado	4/29/02	8260b	920	76	<1.4	<1	<1.1	<0.22	<0.36	2XJ	<1.4	<0.28	<1.6	52V	410
RMW-23 (dup)	Upper Silverado	4/29/02	8260b	1,200	81	<1.4	<1	<1.1	<0.22	<0.36	<0.19	<1.4	<0.28	<1.6	50XJ	460
RMW-23	Upper Silverado	5/24/02	8260b	2,900	110J	0.94J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	6/24/02	8260b	2,900	12J	0.86J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	7/24/02	8260b	1,800	42	0.69J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	11J	340J
RMW-23 (dup)	Upper Silverado	7/24/02	8260b	1,900	36	0.71J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	11J	300J
RMW-23	Upper Silverado	8/22/02	8260b	1,200	<12	<1.7	<1.2	<1.4	<0.28	<0.45	<0.23	<1.7	<0.35	<2.0		
RMW-23	Upper Silverado	9/23/02	8260b	920	36	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23 (dup)	Upper Silverado	9/23/02	8260b	900	47	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-23	Upper Silverado	10/22/02	8260b	500	7.8J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	200
RMW-23	Upper Silverado	11/25/02	8260b	350	5.1J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-23	Upper Silverado	12/23/02	8260b	330 J	5.6J	0.33UJ	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38		
RMW-23	Upper Silverado	1/21/03	8260b	190	6.6J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	65J
RMW-23	Upper Silverado	2/25/03	8260b	170 J	12UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23	Upper Silverado	3/24/03	8260b	110	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23 (dup)	Upper Silverado	3/24/03	8260b	130	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-23	Upper Silverado	4/25/03	8260b	36	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-23	Upper Silverado	5/27/03	8260b	39	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23	Upper Silverado	6/23/03	8260b	41	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23 (dup)	Upper Silverado	6/23/03	8260b	40	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23	Upper Silverado	7/24/03	8260b	27	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-23	Upper Silverado	8/25/03	8260b	5.3	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23 (dup)	Upper Silverado	8/25/03	8260b	4.3	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23	Upper Silverado	9/29/03	8260b	83	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-23	Upper Silverado	10/23/03	8260b	19	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-23	Upper Silverado	1/22/04	8260b	7.8	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-23	Upper Silverado	4/22/04	8260b	2.8	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-23	Upper Silverado	4/21/05	524.2	1.8	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-23	Upper Silverado	7/11/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-23	Upper Silverado	11/18/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-23	Upper Silverado	4/11/06	524.2	0.31 J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-23	Upper Silverado	7/13/06	8260b	1.2 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-23	Upper Silverado	10/26/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-23	Upper Silverado	4/24/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-23	Upper Silverado	1/25/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-23	Upper Silverado	1/20/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-23	Upper Silverado	1/25/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-23 (dup)	Upper Silverado	1/25/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-23	Upper Silverado	1/24/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-23	Upper Silverado	1/28/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-23	Upper Silverado	1/20/14	8260B	2.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-23	Upper Silverado	2/13/15	8260b	0.63 J	10X	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-23	Upper Silverado	1/20/16	8260b	4.6	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-23 (dup)	Upper Silverado	1/20/16	8260b	4.5	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-23	Upper Silverado	1/25/17	8260b	8.5	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-23	Upper Silverado	1/19/18	8260b	11	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-23 (dup)	Upper Silverado	1/19/18	8260b	12	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-23	Upper Silverado	7/31/18	8260b	9.0	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-23	Upper Silverado	5/1/19	8260b	1.7	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-23	Upper Silverado	7/25/19	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-23	Upper Silverado	1/23/20	8260b	1.8	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.51 J	0.28 J	0.79	<25	27 J

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-24	Shallow	12/11/00	8260b	2,200	<100	<14	<10	<11	<2.2	<3.6	<1.9	<14	<2.8	<16	22U	
RMW-24	Shallow	1/22/01	8260b	2,600	31J	<3.4	<2.5	<2.8	<0.55	<0.9	<0.47	<3.4	<0.7	<4.1	<10	
RMW-24 (dup)	Shallow	1/22/01	8260b	2,400	56	1.1J	<0.5	<0.57	<0.11	<0.18	<0.093	0.73J	<0.14	<0.82	<10	
RMW-24	Shallow	2/21/01	8260b	2,700	220	0.94J	<0.5	<0.57	0.11J	<0.18	0.48J	<0.69	0.21J	<0.82		
RMW-24	Shallow	3/13/01	8260b	2,700 J	57J	<3.4	<2.5	<2.8	<0.55	<0.9	<0.47	<3.4	<0.7	<4.1		1,300
RMW-24	Shallow	4/19/01	8260b	4,600	<500	<68	<50	<57	<11	<18	<9.3	<69	<14	<82	470J	2,700
RMW-24	Shallow	6/1/01	8260b	<0.28	41	1.3J	<0.5	<0.57	0.19VJ	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	6/28/01	8260b	3,400	540	1.3J	<0.5	<0.57	<0.11	<0.18	0.28VJ	<0.69	0.15VJ	<0.82		
RMW-24	Shallow	7/18/01	8260b	3,700	6.1J	1.4J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		1,700
RMW-24	Shallow	10/18/01	8260b	3,500	170	1.1J	0.69J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	18J	1,700
RMW-24	Shallow	11/21/01	8260b	5,800	210	1.8J	0.8J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	12/20/01	8260b	5,700	220	1.7J	0.89J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	1/16/02	8260b	3,000	260	1J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	56V	1,900
RMW-24	Shallow	2/21/02	8260b	3,000 J	19J	0.87J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	3/22/02	8260b	2,600	130J	6.8V	5V	5.7V	1.1V	1.8V	1.1J	6.9V	1.4V	8.2V		
RMW-24	Shallow	4/29/02	8260b	1,900	110	<2.7	<2	<2.3	<0.44	<0.72	<0.37	<2.8	<0.56	<3.3	50XJ	820
RMW-24	Shallow	5/24/02	8260b	1,100	46J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24 (dup)	Shallow	5/24/02	8260b	1,100	54J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	6/24/02	8260b	780	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	7/24/02	8260b	1,100	24J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	190J
RMW-24	Shallow	8/22/02	8260b	1,200	56J	<1.7	<1.2	<1.4	0.60J	<0.45	<0.23	<1.7	<0.35	<2.0		
RMW-24 (dup)	Shallow	8/22/02	8260b	950	45J	<1.7	<1.2	<1.4	<0.28	<0.45	<0.23	<1.7	<0.35	<2.0		
RMW-24	Shallow	9/23/02	8260b	960	51	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-24	Shallow	10/22/02	8260b	810	18J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	310
RMW-24 (dup)	Shallow	10/22/02	8260b	810	17J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	310
RMW-24	Shallow	11/25/02	8260b	790	8.0J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-24	Shallow	12/23/02	8260b	470 J	14J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38		
RMW-24	Shallow	1/21/03	8260b	240	8.8J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	100XJ
RMW-24	Shallow	2/25/03	8260b	320 J	42J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24	Shallow	3/24/03	8260b	480	7.4J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24 (dup)	Shallow	3/24/03	8260b	460	5.5J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24	Shallow	4/25/03	8260b	280	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-24	Shallow	5/27/03	8260b	160	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24	Shallow	6/23/03	8260b	180	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24	Shallow	7/24/03	8260b	110	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	64
RMW-24 (dup)	Shallow	7/24/03	8260b	120	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	90

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-24	Shallow	8/25/03	8260b	82	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-24	Shallow	9/29/03	8260b	230	<25	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79		
RMW-24	Shallow	10/23/03	8260b	92	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	57
RMW-24	Shallow	1/22/04	8260b	6.7	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-24	Shallow	4/22/04	8260b	0.64 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-24	Shallow	4/21/05	524.2	22	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-24	Shallow	7/27/05	8260b	1 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-24	Shallow	10/17/05	8260b	1 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-24	Shallow	4/20/06	524.2	0.56	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-24	Shallow	7/13/06	8260b	1.1 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-24	Shallow	10/26/06	8260b	0.37 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-24	Shallow	4/24/07	8260b	0.38 J	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-24	Shallow	1/25/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-24 (dup)	Shallow	1/25/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-24	Shallow	1/20/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-24 (dup)	Shallow	1/20/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-24	Shallow	1/25/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-24	Shallow	1/24/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-24 (dup)	Shallow	1/24/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-24	Shallow	7/19/11	8260b	10	77	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-24	Shallow	1/13/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-24	Shallow	1/28/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-24 (dup)	Shallow	1/28/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-24	Shallow	1/20/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-24 (dup)	Shallow	1/20/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-24	Shallow	2/13/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-24	Shallow	1/20/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-25	Shallow	8/6/01	8260b	0.51 J	<5	<0.68	1.2J	<0.57	0.17J	<0.18	1X	<0.69	0.15J	<0.82		90J
RMW-25	Shallow	11/8/01	8260b	0.48 J	<5	<0.68	1J	<0.57	0.12J	<0.18	1XJ	<0.69	<0.14	<0.82	85	99J
RMW-25	Shallow	1/21/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-25	Shallow	4/22/02	8260b	0.62 J	<5	<0.68	0.75J	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	51V	50J
RMW-25	Shallow	7/22/02	8260b	2XJ	<5	<0.68	0.69J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	39J	<50
RMW-25	Shallow	10/31/02	8260b	0.78 J	<5	<0.68	0.59J	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	33J	<50
RMW-25	Shallow	1/30/03	8260b	0.71 J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	27J	<50
RMW-25	Shallow	4/22/03	8260b	0.43 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-25	Shallow	7/22/03	8260b	0.46 J	<4.9	<0.32	0.33J	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-25	Shallow	10/21/03	8260b	0.52 J	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-25	Shallow	1/20/04	8260b	0.41 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-25	Shallow	4/20/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-25	Shallow	4/19/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-25	Shallow	4/17/06	524.2	31	<0.79	<0.015	0.21J	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-25	Shallow	7/14/06	8260b	260 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	92	110
RMW-25	Shallow	10/27/06	8260b	290	25X	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-25	Shallow	4/12/07	8260b	150	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-25	Shallow	7/11/07	8260b	34	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	74V
RMW-25	Shallow	1/18/08	8260b	13	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-25	Shallow	7/7/08	8260b	2.2	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-25	Shallow	1/27/09	8260b	0.95 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-25	Shallow	7/15/09	8260b	0.72 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-25	Shallow	1/20/10	8260b	1.3	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-25	Shallow	7/14/10	8260b	10	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-25	Shallow	1/20/11	8260b	7.5	11	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-25	Shallow	7/19/11	8260b	10	77	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-25 (dup)	Shallow	7/19/11	8260b	9.3	84	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-25	Shallow	1/23/12	8260b	21	58	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-25	Shallow	7/18/12	8260b	2.8	18	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-25	Shallow	1/30/13	8260B	1.4	19	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-25 (dup)	Shallow	1/30/13	8260B	1.3	19	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-25	Shallow	7/24/13	8260B	0.6 J	7.1J	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-25	Shallow	1/21/14	8260B	0.93 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-25	Shallow	7/23/14	8260b	0.49 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-25	Shallow	2/24/15	8260b	0.81 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-25	Shallow	7/15/15	8260b	1.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-25	Shallow	1/22/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-25 (dup)	Shallow	1/22/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-25	Shallow	7/20/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-25	Shallow	1/26/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-25	Shallow	7/19/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	49J	52
RMW-25	Shallow	1/30/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-27	Shallow	2/20/01	8260b	2,000	76J	<6.8	<5	<5.7	<1.1	<1.8	1.2J	<6.9	<1.4	<8.2		
RMW-27	Shallow	3/12/01	8260b	1,400	54	<0.68	<0.5	<0.57	0.11J	<0.18	0.30J	<0.69	<0.14	<0.82		720
RMW-27 (dup)	Shallow	3/12/01	8260b	1,500 J	100	<0.68	<0.5	<0.57	0.12J	<0.18	0.38J	<0.69	0.14J	<0.82		670
RMW-27	Shallow	4/30/01	8260b	1,300	97	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	15J	540
RMW-27 (dup)	Shallow	4/30/01	8260b	1,400	95	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	16J	510
RMW-27	Shallow	5/29/01	8260b	1,300	57J	<2.7	<2	<2.3	<0.44	<0.72	0.68VJ	<2.8	<0.56	<3.3		
RMW-27	Shallow	6/25/01	8260b	1,600	30J	<1.4	<1	<1.1	<0.22	<0.36	0.36J	<1.4	<0.28	<1.6		
RMW-27 (dup)	Shallow	6/25/01	8260b	1,400	30J	<1.4	<1	<1.1	<0.22	<0.36	0.34J	<1.4	<0.28	<1.6		
RMW-27	Shallow	7/23/01	8260b	2,100	69	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		550
RMW-27	Shallow	10/22/01	8260b	690	92J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	260
RMW-27	Shallow	11/20/01	8260b	1,100 J	5.7J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	12/19/01	8260b	1,200	21J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	1/25/02	8260b	410	35	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	200
RMW-27	Shallow	2/25/02	8260b	440	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	3/21/02	8260b	420	30	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	4/26/02	8260b	390 J	14J	<0.68	<0.5	<0.57	0.51	<0.18	0.29J	<0.69	<0.14	<0.82	50XJ	77J
RMW-27 (dup)	Shallow	4/26/02	8260b	490 J	14J	<0.68	<0.5	<0.57	0.51	<0.18	0.32J	<0.69	<0.14	<0.82	50XJ	78J
RMW-27	Shallow	5/23/02	8260b	640	120	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-27 (dup)	Shallow	5/23/02	8260b	550	120	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	6/21/02	8260b	580 J	12J	0.68UJ	<0.5	<0.57	<0.11	<0.18	0.53J	<0.69	<0.14	<0.82		
RMW-27 (dup)	Shallow	6/21/02	8260b	620 J	14J	0.68UJ	<0.5	<0.57	<0.11	<0.18	0.57J	<0.69	<0.14	<0.82		
RMW-27	Shallow	7/26/02	8260b	360	7.2J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-27 (dup)	Shallow	7/26/02	8260b	360	6J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-27	Shallow	8/26/02	8260b	260	28	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-27	Shallow	10/25/02	8260b	170	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-27	Shallow	1/22/03	8260b	32	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-27	Shallow	4/23/03	8260b	350	25J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	120
RMW-27	Shallow	7/23/03	8260b	83	11J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	78
RMW-27 (dup)	Shallow	7/23/03	8260b	83	10J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	72
RMW-27	Shallow	10/31/03	8260b	7.2	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-27	Shallow	1/21/04	8260b	2.5	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-27	Shallow	4/21/04	8260b	2 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-27	Shallow	4/20/05	524.2	2.0	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-27	Shallow	4/18/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	0.5X	<0.03	<0.016	--	<48	<48
RMW-27	Shallow	1/13/09	8260b	0.63 J	3.5UJ	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-27	Shallow	1/24/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-27	Shallow	2/20/15	8260b	0.73 J	17V	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-27	Shallow	1/26/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-28	Upper Silverado	1/26/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.25J	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-28	Upper Silverado	5/2/01	8260b	1 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-28	Upper Silverado	7/26/01	8260b	<0.28	5UJ	<0.68	0.5UJ	<0.57	<0.11	<0.18	0.12VJ	<0.69	<0.14	<0.82		50UJ
RMW-28	Upper Silverado	10/25/01	8260b	0.49 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-28 (dup)	Upper Silverado	10/25/01	8260b	0.44 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-28	Upper Silverado	1/31/02	8260b	0.84 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-28	Upper Silverado	4/25/02	8260b	0.64 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-28	Upper Silverado	7/25/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-28	Upper Silverado	10/31/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.19J	1XJ	0.55J	<0.14	<0.82	<10	<50
RMW-28	Upper Silverado	1/30/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-28	Upper Silverado	4/24/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-28	Upper Silverado	7/31/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-28	Upper Silverado	10/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-28	Upper Silverado	1/29/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	44UJ	44UJ
RMW-28	Upper Silverado	4/29/04	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-28	Upper Silverado	4/28/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-28	Upper Silverado	4/24/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-28	Upper Silverado	1/23/09	8260b	0.86 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-28	Upper Silverado	1/19/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-28 (dup)	Upper Silverado	1/19/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-28	Upper Silverado	2/25/15	8260b	3.9	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-28	Upper Silverado	1/31/18	8260b	1.0	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-28	Upper Silverado	8/1/18	8260b	2.3	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-28	Upper Silverado	4/30/19	8260b	0.84	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-28	Upper Silverado	7/24/19	8260b	0.38 J	<5.0	0.25UJ	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-28	Upper Silverado	1/21/20	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	0.36 J	0.86	2.7	2.3	5.0	34 J	32 J

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-29	Shallow	1/26/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.27J	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RMW-29	Shallow	5/2/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.13VJ	<0.18	0.12VJ	<0.69	<0.14	<0.82	<10	<50
RMW-29	Shallow	7/26/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.19J	<0.69	<0.14	<0.82		50UJ
RMW-29	Shallow	10/25/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-29	Shallow	1/31/02	8260b	0.5 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-29	Shallow	4/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-29	Shallow	7/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-29 (dup)	Shallow	7/25/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-29	Shallow	10/31/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-29	Shallow	1/30/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-29	Shallow	4/24/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-29	Shallow	7/31/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-29	Shallow	10/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-29	Shallow	1/29/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	44UJ	44UJ
RMW-29	Shallow	4/29/04	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-29	Shallow	4/28/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-29	Shallow	4/24/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-29	Shallow	1/23/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-29	Shallow	1/19/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-29	Shallow	2/25/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-29 (dup)	Shallow	2/25/15	8260b	<0.31	4.6J	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-30	Upper Silverado	8/7/01	8260b	190	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1X	<0.69	<0.14	<0.82		90J
RMW-30	Upper Silverado	10/26/01	8260b	200	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	76J
RMW-30	Upper Silverado	12/18/01	8260b	100	<5	<0.68	<0.5	<0.57	1.5	1.8	6.3	7.2	1.8	9.0		
RMW-30	Upper Silverado	12/27/01	8260b	97J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	1/23/02	8260b	48	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-30	Upper Silverado	2/27/02	8260b	57	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	3/27/02	8260b	60	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	4/17/02	8260b	28	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	69	66J
RMW-30	Upper Silverado	6/5/02	8260b	50 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	6/26/02	8260b	44	25XJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	7/17/02	8260b	40	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-30 (dup)	Upper Silverado	7/17/02	8260b	39	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-30	Upper Silverado	8/21/02	8260b	34	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-30	Upper Silverado	10/16/02	8260b	17	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-30	Upper Silverado	1/15/03	8260b	26	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-30 (dup)	Upper Silverado	1/15/03	8260b	26	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-30	Upper Silverado	4/16/03	8260b	18	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30	Upper Silverado	7/16/03	8260b	32	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30	Upper Silverado	10/15/03	8260b	19	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30 (dup)	Upper Silverado	10/15/03	8260b	20	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30	Upper Silverado	1/14/04	8260b	7.7	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30	Upper Silverado	4/14/04	8260b	1.7 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30 (dup)	Upper Silverado	4/14/04	8260b	1.4 J	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-30	Upper Silverado	4/13/05	524.2	2.9	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-30	Upper Silverado	5/31/06	524.2	9.6	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-30	Upper Silverado	4/19/07	8260b	0.73 J	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-30	Upper Silverado	1/21/08	8260b	1.3	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-30	Upper Silverado	1/14/09	8260b	2.5	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-30	Upper Silverado	1/20/10	8260b	5.6	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-30	Upper Silverado	1/26/11	8260b	3.3	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-30	Upper Silverado	1/10/12	8260b	3.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-30	Upper Silverado	1/23/13	8260B	1.7	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-30	Upper Silverado	1/23/14	8260b	2.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-30 (dup)	Upper Silverado	1/23/14	8260B	2.9	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-30	Upper Silverado	2/10/15	8260b	5.3	22V	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-30 (dup)	Upper Silverado	2/10/15	8260b	5.9	15V	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-30	Upper Silverado	1/25/16	8260b	6.4	10	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-30	Upper Silverado	2/1/17	8260b	5.2	26	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-30 (dup)	Upper Silverado	2/1/17	8260b	5.1	27	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-30	Upper Silverado	1/16/18	8260b	1.7	32	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-30 (dup)	Upper Silverado	1/16/18	8260b	1.9	37	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-30	Upper Silverado	9/5/18	8260b	1.1	<3.3	<0.25	<0.27	<0.27	<0.30	<0.26	<0.29	<0.56	<0.27	--	<48	<48
RMW-30	Upper Silverado	5/2/19	8260b	2.2	5.5 J	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-30	Upper Silverado	7/26/19	8260b	2.4	15	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-30	Upper Silverado	1/22/20	8260b	0.96	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	0.25 J	<0.50	<25	<25
RMW-30 (dup)	Upper Silverado	1/22/20	8260b	0.87	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	0.27 J	<0.50	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-31	Shallow	9/6/01	8260b	5X	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-31	Shallow	10/26/01	8260b	0.62 J	<5	<0.68	<0.5	<0.57	0.2J	0.39J	1.2	1.6	0.52J	2.2	<10	<50
RMW-31	Shallow	12/18/01	8260b	0.28UJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-31	Shallow	12/27/01	8260b	0.28UJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-31	Shallow	1/23/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-31 (dup)	Shallow	1/23/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-31	Shallow	2/27/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-31	Shallow	3/27/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-31	Shallow	4/17/02	8260b	<0.28	<5	<0.68	0.5UJ	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-31	Shallow	6/5/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-31	Shallow	6/26/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-31	Shallow	7/17/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-31	Shallow	8/21/02	8260b	0.28UJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-31	Shallow	10/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.43J	<0.5	<0.14	<0.82	<10	<50
RMW-31	Shallow	1/15/03	8260b	<0.33	<1.9	0.33UJ	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-31	Shallow	4/16/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31	Shallow	7/16/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31	Shallow	10/15/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31	Shallow	1/14/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31 (dup)	Shallow	1/14/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31	Shallow	4/14/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-31	Shallow	4/13/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-31	Shallow	5/31/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-31	Shallow	1/14/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-31 (dup)	Shallow	1/14/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	53
RMW-31	Shallow	1/10/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-32	Upper Silverado	6/7/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.3J	<0.69	<0.14	<0.82		
RMW-32	Upper Silverado	8/6/01	8260b	<0.28	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	0.13J	<0.69	<0.14	<0.82		<50
RMW-32	Upper Silverado	11/8/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	10J	<50
RMW-32	Upper Silverado	1/21/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-32 (dup)	Upper Silverado	1/21/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-32	Upper Silverado	4/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.28J	1XJ	0.82J	0.14J	0.96J	50XJ	<50
RMW-32 (dup)	Upper Silverado	4/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	0.19J	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-32	Upper Silverado	7/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10UJ	50UJ
RMW-32 (dup)	Upper Silverado	7/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	10UJ	50UJ
RMW-32	Upper Silverado	10/23/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-32	Upper Silverado	1/24/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-32	Upper Silverado	4/24/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-32	Upper Silverado	7/31/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-32	Upper Silverado	10/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-32 (dup)	Upper Silverado	10/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-32	Upper Silverado	1/29/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	44UJ	44UJ
RMW-32	Upper Silverado	4/29/04	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-32	Upper Silverado	4/28/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-32	Upper Silverado	4/13/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-32	Upper Silverado	1/12/09	8260b	<0.3	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-32 (dup)	Upper Silverado	1/12/09	8260b	<0.3	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-32	Upper Silverado	1/9/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-32 (dup)	Upper Silverado	1/9/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-32	Upper Silverado	2/9/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-32	Upper Silverado	1/15/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-33	Shallow	6/7/01	8260b	1.4VJ	<5	<0.68	<0.5	<0.57	0.12J	<0.18	0.23J	<0.69	<0.14	<0.82		
RMW-33	Shallow	8/6/01	8260b	1.1 J	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	0.11J	<0.69	<0.14	<0.82		<50
RMW-33	Shallow	11/8/01	8260b	0.76 J	<5	<0.68	<0.5	<0.57	1.4	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-33	Shallow	1/21/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	0.18J	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-33	Shallow	4/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-33	Shallow	7/22/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	50UJ
RMW-33	Shallow	10/23/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-33	Shallow	1/24/03	8260b	<0.33	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-33	Shallow	4/24/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-33	Shallow	7/31/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-33	Shallow	10/30/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-33	Shallow	1/29/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	44UJ	44UJ
RMW-33	Shallow	4/29/04	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-33	Shallow	4/28/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-33	Shallow	4/13/06	524.2	0.11 J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-33	Shallow	1/12/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-33	Shallow	1/9/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-33	Shallow	2/9/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-33 (dup)	Shallow	2/9/15	8260b	<0.31	10X	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-33	Shallow	1/15/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	0.14J	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-48	Shallow	5/8/01	8260b	0.58 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-48	Shallow	6/1/01	8260b	0.58VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.23J	<0.69	<0.14	<0.82		
RMW-48 (dup)	Shallow	6/1/01	8260b	0.61VJ	<5	<0.68	<0.5	<0.57	0.12J	<0.18	0.22J	<0.69	<0.14	<0.82		
RMW-48	Shallow	6/28/01	8260b	0.4VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.25J	<0.69	<0.14	<0.82		
RMW-48	Shallow	7/20/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-48	Shallow	10/18/01	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-48	Shallow	11/21/01	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48	Shallow	12/20/01	8260b	55	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48	Shallow	1/16/02	8260b	1,600	230	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	570
RMW-48	Shallow	2/21/02	8260b	1,400	120	<0.68	<0.5	<0.57	<0.11	0.19J	1XJ	0.7J	0.53J	1.2J		
RMW-48	Shallow	3/22/02	8260b	1,700	12J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	0.24J	<0.82		
RMW-48	Shallow	4/29/02	8260b	2,800 J	91J	<6.8	<5	<5.7	<1.1	<1.8	<0.93	<6.9	<1.4	<8.2	100V	1,100
RMW-48	Shallow	5/24/02	8260b	3,700	120	1.6J	0.64J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48	Shallow	6/24/02	8260b	4,400	<5	1.2J	0.6J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48	Shallow	7/24/02	8260b	3,600	300	1.5J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	17J	480
RMW-48	Shallow	8/22/02	8260b	3,200	370	1.2J	0.51J	<0.57	<0.11	<0.18	<0.093	4.0	2.9	6.9		
RMW-48 (dup)	Shallow	8/22/02	8260b	3,200	350	0.92J	<0.5	<0.57	<0.11	<0.18	<0.093	4.3	3.2	7.5		
RMW-48	Shallow	9/23/02	8260b	2,000	140	1.0J	0.56J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48 (dup)	Shallow	9/23/02	8260b	1,600	150	1.1J	0.60J	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-48	Shallow	10/22/02	8260b	2,700	21J	1.1J	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	600
RMW-48	Shallow	11/25/02	8260b	3,600	120	1.2J	0.65J	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-48	Shallow	12/23/02	8260b	1,600	29J	<1.3	<3.1	<2.4	<1.1	<1	<2	<1.5	<0.96	<1.5		
RMW-48	Shallow	1/21/03	8260b	1,800	190	0.91J	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	600
RMW-48	Shallow	2/25/03	8260b	2,600 J	780J	0.76J	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-48	Shallow	3/24/03	8260b	2,400	1,100J	0.57J	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-48	Shallow	4/25/03	8260b	2,000	46J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	740
RMW-48	Shallow	5/27/03	8260b	1,200	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	1.8J	1.4J	0.53J	1.9J		
RMW-48	Shallow	6/23/03	8260b	2,000	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-48	Shallow	7/24/03	8260b	1,800	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	1,000
RMW-48	Shallow	8/25/03	8260b	1,800	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6		
RMW-48	Shallow	9/29/03	8260b	1,400	<99	<6.4	<5.3	<6.6	<5.8	<3.9	<7	<3.4	<3.2	<3.2		
RMW-48	Shallow	10/23/03	8260b	1,200	<49	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	640
RMW-48	Shallow	1/22/04	8260b	530	89J	<3.2	<2.7	<3.3	<2.9	<1.9	<3.5	<1.7	<1.6	<1.6	<44	230
RMW-48	Shallow	4/22/04	8260b	590	<25	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	390
RMW-48	Shallow	1/17/05	8260b	9.8	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-48	Shallow	5/31/05	524.2	6.9 J	4.9UJ	0.32UJ	0.27UJ	0.33UJ	0.049UJ	0.029UJ	0.74J	0.069UJ	0.034UJ	--	44UJ	44UJ
RMW-48	Shallow	7/11/05	8260b	10	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-48	Shallow	11/18/05	8260b	2J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-48	Shallow	5/31/06	524.2	3.5	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-48	Shallow	7/13/06	8260b	5.1	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-48	Shallow	10/26/06	8260b	8.7	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-48	Shallow	4/19/07	8260b	7.3	12	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-48 (dup)	Shallow	4/19/07	8260b	8.5	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-48	Shallow	7/13/07	8260b	4.1	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-48	Shallow	1/18/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-48	Shallow	7/8/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-48	Shallow	1/20/09	8260b	10	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-48	Shallow	7/13/09	8260b	1.2 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-48	Shallow	1/25/10	8260b	0.63 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-48	Shallow	7/13/10	8260b	2.0	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-48 (dup)	Shallow	7/13/10	8260b	1.9	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-48	Shallow	1/24/11	8260b	0.6 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-48	Shallow	7/20/11	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-48	Shallow	1/13/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-48	Shallow	7/16/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-48 (dup)	Shallow	7/16/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-48	Shallow	1/29/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-48 (dup)	Shallow	1/29/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-48	Shallow	7/22/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-48	Shallow	1/20/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-48	Shallow	7/21/14	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48 (dup)	Shallow	7/21/14	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48	Shallow	2/13/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48 (dup)	Shallow	2/13/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48	Shallow	7/13/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48 (dup)	Shallow	7/13/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48	Shallow	1/20/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48	Shallow	7/19/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48 (dup)	Shallow	7/19/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-48	Shallow	1/25/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48 (dup)	Shallow	1/25/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48	Shallow	7/18/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48 (dup)	Shallow	7/18/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-48	Shallow	1/19/18	8260b	<0.31	<4.6	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-49	Upper Silverado	5/8/01	8260b	290	5J	<0.68	<0.5	<0.57	<0.11	<0.18	0.15VJ	<0.69	<0.14	<0.82	<10	170
RMW-49	Upper Silverado	6/1/01	8260b	240	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.24J	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	6/28/01	8260b	290	30	<0.68	<0.5	<0.57	<0.11	<0.18	0.29J	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	7/20/01	8260b	21	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-49	Upper Silverado	10/18/01	8260b	49	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	<10	<50
RMW-49	Upper Silverado	11/21/01	8260b	130	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	12/20/01	8260b	42	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	1/16/02	8260b	330	33	<0.68	<0.5	<0.57	<0.11	<0.18	0.16J	<0.69	<0.14	<0.82	50XJ	140
RMW-49 (dup)	Upper Silverado	1/16/02	8260b	360	34	<0.68	<0.5	<0.57	<0.11	<0.18	0.17J	<0.69	<0.14	<0.82	50XJ	150
RMW-49	Upper Silverado	2/21/02	8260b	93	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.11J	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	3/22/02	8260b	270	20J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49 (dup)	Upper Silverado	3/22/02	8260b	330	29	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	4/29/02	8260b	520	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	78V	230
RMW-49	Upper Silverado	5/24/02	8260b	410	13J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	6/24/02	8260b	540	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49 (dup)	Upper Silverado	6/24/02	8260b	630	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-49	Upper Silverado	7/24/02	8260b	660	19J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	18J	150J
RMW-49	Upper Silverado	8/22/02	8260b	780	42J	<1.4	<1	<1.1	<0.22	1.0J	<0.19	9.4	5.7	15		
RMW-49	Upper Silverado	9/23/02	8260b	1,300	65	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	1.0	1.5J		
RMW-49	Upper Silverado	10/22/02	8260b	1,400	31	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	0.19J	<0.82	50XJ	520
RMW-49	Upper Silverado	11/25/02	8260b	340	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-49 (dup)	Upper Silverado	11/25/02	8260b	360	8.2J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82		
RMW-49	Upper Silverado	12/23/02	8260b	180	6.8J	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38		
RMW-49	Upper Silverado	1/21/03	8260b	370	40	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	50XJ	280
RMW-49	Upper Silverado	2/25/03	8260b	360 J	59J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-49	Upper Silverado	3/24/03	8260b	230	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-49 (dup)	Upper Silverado	3/24/03	8260b	260	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16		
RMW-49	Upper Silverado	4/25/03	8260b	140	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	110
RMW-49	Upper Silverado	5/27/03	8260b	330	13J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	0.21J	<0.16	0.21J	<44	110
RMW-49	Upper Silverado	6/23/03	8260b	390	<9.9	<0.64	<0.53	<0.66	<0.58	<0.39	0.74J	1.3J	<0.32	1.3J		
RMW-49 (dup)	Upper Silverado	6/23/03	8260b	370	12J	<0.64	<0.53	<0.66	<0.58	<0.39	<0.74	0.54J	<0.32	0.54J		
RMW-49	Upper Silverado	7/24/03	8260b	400	11J	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32	<44	260
RMW-49	Upper Silverado	8/25/03	8260b	450 J	<9.9	<0.64	<0.53	<0.66	<0.58	<0.39	<0.7	<0.34	<0.32	<0.32		
RMW-49	Upper Silverado	9/29/03	8260b	600	45J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	5XJ	<0.79	10XJ		
RMW-49	Upper Silverado	10/23/03	8260b	850	<25	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	460

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-49	Upper Silverado	1/22/04	8260b	470	43J	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	180
RMW-49	Upper Silverado	4/22/04	8260b	350	<25	<1.6	<1.3	<1.6	<1.5	<0.97	<1.8	<0.85	<0.79	<0.79	<44	240
RMW-49	Upper Silverado	1/17/05	8260b	27	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-49	Upper Silverado	5/31/05	524.2	3.3 J	4.9UJ	0.32UJ	0.27UJ	0.33UJ	0.049UJ	0.029UJ	0.038UJ	0.069UJ	0.034UJ	--	44UJ	44UJ
RMW-49	Upper Silverado	7/11/05	8260b	11	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-49	Upper Silverado	10/17/05	8260b	13	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-49	Upper Silverado	5/31/06	524.2	16 J	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-49	Upper Silverado	7/13/06	8260b	17	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-49	Upper Silverado	10/26/06	8260b	3.1	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-49 (dup)	Upper Silverado	10/26/06	8260b	3.1	4.8J	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-49	Upper Silverado	4/19/07	8260b	3.9	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-49	Upper Silverado	7/13/07	8260b	0.95 J	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-49	Upper Silverado	1/18/08	8260b	2.9	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-49(dup)	Upper Silverado	1/18/08	8260b	3.3	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-49	Upper Silverado	7/8/08	8260b	3.4	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-49 (dup)	Upper Silverado	7/8/08	8260b	3.2	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-49	Upper Silverado	1/20/09	8260b	5.3	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-49	Upper Silverado	7/13/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-49	Upper Silverado	1/25/10	8260b	5.5	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-49	Upper Silverado	7/13/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-49	Upper Silverado	1/24/11	8260b	0.95 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-49	Upper Silverado	7/20/11	8260b	2.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-49 (dup)	Upper Silverado	7/20/11	8260b	2.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-49	Upper Silverado	1/13/12	8260b	13	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-49	Upper Silverado	7/16/12	8260b	12	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-49	Upper Silverado	1/29/13	8260B	5.2	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	0.26J	<0.24	<0.23	--	<48	<48
RMW-49	Upper Silverado	7/22/13	8260B	3.5	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	0.26J	<0.24	<0.23	--	<48	<48
RMW-49 (dup)	Upper Silverado	7/22/13	8260B	3.3	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	0.26J	<0.24	<0.23	--	<48	<48
RMW-49	Upper Silverado	1/20/14	8260B	6.7	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	0.26J	<0.24	<0.23	--	<48	<48
RMW-49	Upper Silverado	7/21/14	8260b	1.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-49	Upper Silverado	2/13/15	8260b	3.0	13V	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-49	Upper Silverado	7/13/15	8260b	1.6	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-49	Upper Silverado	1/20/16	8260b	3.5	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-49	Upper Silverado	7/19/16	8260b	3.7	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-49	Upper Silverado	1/25/17	8260b	1.9	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-49	Upper Silverado	7/18/17	8260b	1.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-49	Upper Silverado	1/19/18	8260B	6.4	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-49 (dup)	Upper Silverado	1/19/18	8260B	1.7	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-49	Upper Silverado	7/31/18	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-49	Upper Silverado	5/1/19	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-49	Upper Silverado	7/26/19	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-49	Upper Silverado	1/23/20	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	0.28 J	<0.50	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-50	Upper Silverado	5/3/01	8260b	270	7J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	140
	Upper Silverado	5/3/01	8260b	280	5.6J	0.68UJ	0.61J	0.57UJ	<0.11	<0.18	0.12VJ	<0.69	<0.14	<0.82	<10	140
RMW-50	Upper Silverado	5/30/01	8260b	510	<10	<1.4	<1	<1.1	<0.22	<0.36	0.22J	<1.4	<0.28	<1.6		
RMW-50	Upper Silverado	6/27/01	8260b	170	14J	<0.68	<0.5	<0.57	<0.11	<0.18	0.36VJ	<0.69	0.21VJ	<0.82		
	Upper Silverado	6/27/01	8260b	170	16J	<0.68	<0.5	<0.57	<0.11	<0.18	0.36VJ	<0.69	0.21VJ	<0.82		
RMW-50	Upper Silverado	7/27/01	8260b	340	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.24J	<0.69	0.15J	<0.82		120
RMW-50	Upper Silverado	10/17/01	8260b	250	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	110
RMW-50	Upper Silverado	11/28/01	8260b	180 J	7J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
	Upper Silverado	11/28/01	8260b	160 J	11J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50	Upper Silverado	12/27/01	8260b	140 J	8.4J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
	Upper Silverado	12/27/01	8260b	98 J	5J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50	Upper Silverado	1/23/02	8260b	160	10J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-50	Upper Silverado	2/20/02	8260b	100	12J	<0.68	<0.5	<0.57	<0.11	<0.18	0.12J	<0.69	<0.14	<0.82		
	Upper Silverado	2/20/02	8260b	120	12J	<0.68	<0.5	<0.57	1.4	4.9	0.54J	2.3	0.48J	2.8		
RMW-50	Upper Silverado	3/26/02	8260b	180	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50	Upper Silverado	5/1/02	8260b	130	<5	<0.68	<0.5	<0.57	0.59V	1.7V	4.2V	6.7V	2V	8.7V	50XJ	76J
RMW-50	Upper Silverado	5/30/02	8260b	160	25XJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50	Upper Silverado	6/27/02	8260b	150	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
	Upper Silverado	6/27/02	8260b	160	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-50	Upper Silverado	7/17/02	8260b	100	<5	<0.68	<0.5	<0.57	0.15J	<0.18	<0.093	<0.69	<0.14	<0.82	22J	54J
	Upper Silverado	7/17/02	8260b	140	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-50	Upper Silverado	8/21/02	8260b	110	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	0.18J	<0.82		
	Upper Silverado	8/21/02	8260b	95	<5	<0.68	<0.5	<0.57	0.5XJ	1XJ	1XJ	1V	0.22J	2XJ		
RMW-50	Upper Silverado	10/16/02	8260b	98	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	73J
	Upper Silverado	10/16/02	8260b	100	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	61J
RMW-50	Upper Silverado	1/15/03	8260b	100	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
	Upper Silverado	1/15/03	8260b	100	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-50	Upper Silverado	4/16/03	8260b	67	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-50	Upper Silverado	7/16/03	8260b	4.6	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-50	Upper Silverado	10/15/03	8260b	7.4	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-50	Upper Silverado	1/14/04	8260b	23	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
	Upper Silverado	1/14/04	8260b	21	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-50	Upper Silverado	4/14/04	8260b	18	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
	Upper Silverado	4/14/04	8260b	17	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-50	Upper Silverado	1/12/05	8260b	2.6	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-50 (dup)	Upper Silverado	1/12/05	8260b	2.6	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-50	Upper Silverado	4/13/05	524.2	1.1	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-50 (dup)	Upper Silverado	4/13/05	524.2	1.0	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-50	Upper Silverado	7/13/05	8260b	1.9 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-50 (dup)	Upper Silverado	7/13/05	8260b	2.0	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-50	Upper Silverado	10/12/05	8260b	0.59 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-50 (dup)	Upper Silverado	10/12/05	8260b	0.40 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-50	Upper Silverado	6/1/06	524.2	3.7	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-50	Upper Silverado	7/12/06	8260b	3.3	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-50	Upper Silverado	10/25/06	8260b	2.0	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-50	Upper Silverado	4/11/07	8260b	5.6	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	48UJ	48UJ
RMW-50 (dup)	Upper Silverado	4/11/07	8260b	5.4	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	48UJ	48UJ
RMW-50	Upper Silverado	1/28/08	8260b	3.1	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-50	Upper Silverado	1/14/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-50	Upper Silverado	1/28/10	8260b	2.5	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-50	Upper Silverado	1/27/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-50	Upper Silverado	1/10/12	8260b	2.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-50 (dup)	Upper Silverado	1/10/12	8260b	1.9	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-50	Upper Silverado	1/23/13	8260B	0.35 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-50	Upper Silverado	1/23/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-50	Upper Silverado	2/10/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-50	Upper Silverado	1/25/16	8260b	0.33 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-50 (dup)	Upper Silverado	1/25/16	8260b	0.32 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-50	Upper Silverado	2/1/17	8260b	0.39 J	5.6J	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-50	Upper Silverado	1/16/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-50	Upper Silverado	9/5/18	8260b	0.86 J	<3.3	<0.25	<0.27	<0.27	<0.30	<0.26	<0.29	<0.56	<0.27	--	<48	<48
RMW-50	Upper Silverado	5/2/19	8260b	0.49 J	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-50	Upper Silverado	8/7/19	8260b	<0.25	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	30J	26J
RMW-50	Upper Silverado	1/22/20	8260b	0.42 J	8.0 J	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.54 J	0.31 J	0.85	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-51	Shallow	5/3/01	8260b	5.5	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.15J	<0.69	<0.14	<0.82	<10	<50
RMW-51	Shallow	5/30/01	8260b	94 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.35VJ	<0.69	0.14J	<0.82		
RMW-51 (dup)	Shallow	5/30/01	8260b	94 J	5.5J	<0.68	<0.5	<0.57	<0.11	<0.18	0.33VJ	<0.69	<0.14	<0.82		
RMW-51	Shallow	6/27/01	8260b	40	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.41J	<0.69	0.25J	<0.82		
RMW-51	Shallow	7/27/01	8260b	13	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.22J	<0.69	0.15J	<0.82		<50
RMW-51	Shallow	10/17/01	8260b	7.6	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-51	Shallow	11/28/01	8260b	2.2 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	12/27/01	8260b	2.5VJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	1/23/02	8260b	1.1 J	<5	0.68UJ	0.5UJ	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-51	Shallow	2/20/02	8260b	0.65 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51 (dup)	Shallow	2/20/02	8260b	0.77 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	3/26/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.13J	<0.69	<0.14	<0.82		
RMW-51	Shallow	5/1/02	8260b	4.2V	17J	<0.68	<0.5	<0.57	7V	6.3V	22V	24V	7.5V	32	50XJ	<50
RMW-51	Shallow	5/31/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	6/27/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	7/17/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.15J	<0.69	0.21J	0.87J	<10	<50
RMW-51	Shallow	8/21/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-51	Shallow	10/16/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-51	Shallow	1/15/03	8260b	2XJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-51	Shallow	4/16/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-51	Shallow	7/16/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-51	Shallow	10/28/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-51	Shallow	1/14/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-51	Shallow	4/14/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-51	Shallow	1/12/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-51	Shallow	4/13/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-51	Shallow	7/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-51	Shallow	10/12/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-51	Shallow	6/1/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RMW-51	Shallow	7/12/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-51	Shallow	10/25/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-51 (dup)	Shallow	10/25/06	8260b	<0.29	5.4J	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-51	Shallow	4/11/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	48UJ	48UJ
RMW-51	Shallow	1/28/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-51	Shallow	1/14/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-51	Shallow	1/28/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-51	Shallow	1/27/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-51	Shallow	1/10/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-51	Shallow	1/23/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-51	Shallow	1/23/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-51	Shallow	2/10/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-52	Upper Silverado	8/31/01	8260b	170	15	<0.68	<0.5	<0.57	<0.11	<0.18	0.13J	<0.69	<0.14	<0.82		100
RMW-52	Upper Silverado	11/19/01	8260b	120	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	0.69J	0.24J	0.93J	50XJ	<50
RMW-52	Upper Silverado	12/18/01	8260b	60	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-52 (dup)	Upper Silverado	12/18/01	8260b	50	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	12/26/01	8260b	42 J	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	1/15/02	8260b	46	6.7J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-52 (dup)	Upper Silverado	1/15/02	8260b	53	6.3J	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	15J	<50
RMW-52	Upper Silverado	2/26/02	8260b	45 J	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	3/28/02	8260b	39	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	4/16/02	8260b	68	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	58J
RMW-52 (dup)	Upper Silverado	4/16/02	8260b	74	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	56J
RMW-52	Upper Silverado	5/31/02	8260b	43	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52 (dup)	Upper Silverado	5/31/02	8260b	41	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	6/28/02	8260b	49	<5	<0.68	<0.5	<0.57	0.99V	1XJ	1XJ	1.4V	1XJ	2XJ		
RMW-52 (dup)	Upper Silverado	6/28/02	8260b	48	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	7/18/02	8260b	38	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-52	Upper Silverado	8/27/02	8260b	48	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-52	Upper Silverado	10/17/02	8260b	33	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.5	<0.14	<0.82	<10	<50
RMW-52 (dup)	Upper Silverado	10/17/02	8260b	32	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.5	<0.14	<0.82	<10	<50
RMW-52	Upper Silverado	1/16/03	8260b	73 J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-52 (dup)	Upper Silverado	1/16/03	8260b	71 J	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	10J	<50
RMW-52	Upper Silverado	4/17/03	8260b	140	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	48J
RMW-52	Upper Silverado	7/17/03	8260b	180	8.3J	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-52	Upper Silverado	10/16/03	8260b	130	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	53
RMW-52 (dup)	Upper Silverado	10/16/03	8260b	140	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	55
RMW-52	Upper Silverado	1/15/04	8260b	62	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-52	Upper Silverado	4/15/04	8260b	79	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	44J
RMW-52 (dup)	Upper Silverado	4/15/04	8260b	80	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	47J
RMW-52	Upper Silverado	1/13/05	8260b	34	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-52	Upper Silverado	4/14/05	524.2	32	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-52	Upper Silverado	7/14/05	8260b	25	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	<44
RMW-52	Upper Silverado	10/13/05	8260b	49	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<44	70
RMW-52	Upper Silverado	4/13/06	524.2	3.2	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-52	Upper Silverado	7/21/06	8260b	38	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-52	Upper Silverado	10/19/06	8260b	9.9	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-52 (dup)	Upper Silverado	10/19/06	8260b	9.9	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-52	Upper Silverado	4/12/07	8260b	8.6	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-52	Upper Silverado	7/11/07	8260b	7.8	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	49J
RMW-52	Upper Silverado	1/28/08	8260b	2.9	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-52 (dup)	Upper Silverado	1/28/08	8260b	2.6	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-52	Upper Silverado	7/7/08	8260b	1.7 J	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-52	Upper Silverado	1/22/09	8260b	4.5	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-52 (dup)	Upper Silverado	1/22/09	8260b	5.4	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-52	Upper Silverado	7/15/09	8260b	2.1	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-52 (dup)	Upper Silverado	7/15/09	8260b	2.0	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-52	Upper Silverado	1/28/10	8260b	3.7	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-52	Upper Silverado	7/15/10	8260b	2.9	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-52	Upper Silverado	1/27/11	8260b	1.4	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-52	Upper Silverado	8/3/11	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-52	Upper Silverado	1/20/12	8260b	7.0	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-52	Upper Silverado	7/16/12	8260b	4.4	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-52	Upper Silverado	1/21/13	8260B	6.0	14	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-52	Upper Silverado	7/22/13	8260B	6.3	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-52	Upper Silverado	1/28/14	8260B	8.1	28	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-52	Upper Silverado	7/21/14	8260b	6.3	29	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52	Upper Silverado	2/17/15	8260b	3.2	42	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52	Upper Silverado	7/13/15	8260b	2.3	59	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52	Upper Silverado	1/28/16	8260b	5.0	80	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52	Upper Silverado	8/15/16	8260b	1.5	81	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52	Upper Silverado	3/8/17	8260b	0.95 J	86	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52 (dup)	Upper Silverado	3/8/17	8260b	1.0	87	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52	Upper Silverado	7/18/17	8260b	0.48 J	180	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52	Upper Silverado	1/23/18	8260b	0.74 J	130	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52 (dup)	Upper Silverado	1/23/18	8260b	0.64 J	140	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52	Upper Silverado	8/2/18	8260b	0.46 J	76	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52 (dup)	Upper Silverado	8/2/18	8260b	0.47 J	74	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-52	Upper Silverado	5/2/19	8260b	1.1	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-53	Shallow	8/31/01	8260b	0.3 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<50
RMW-53	Shallow	11/19/01	8260b	0.28UJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	50XJ	<50
RMW-53	Shallow	12/18/01	8260b	2XJ	5UJ	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82		
RMW-53	Shallow	12/26/01	8260b	2XJ	<5	0.68UJ	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-53	Shallow	1/15/02	8260b	0.6 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-53	Shallow	2/26/02	8260b	2XJ	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-53	Shallow	3/28/02	8260b	0.84 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-53	Shallow	5/1/02	8260b	2.9	<5	<0.68	<0.5	<0.57	<0.11	<0.18	1XJ	<0.69	<0.14	<0.82	50XJ	<50
RMW-53	Shallow	5/31/02	8260b	0.32 J	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-53	Shallow	6/28/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	0.71V	1.5V	5.9V	5.8V	1.3V	7V		
RMW-53	Shallow	7/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-53 (dup)	Shallow	7/18/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82	<10	<50
RMW-53	Shallow	8/27/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RMW-53	Shallow	10/17/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	50XJ	<50
RMW-53 (dup)	Shallow	10/17/02	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.5	<0.14	<0.82	<10	<50
RMW-53	Shallow	1/16/03	8260b	2XJ	<1.9	<0.33	<0.78	<0.61	<0.28	<0.25	<0.49	<0.38	<0.24	<0.38	<10	<50
RMW-53	Shallow	4/17/03	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53	Shallow	7/17/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53	Shallow	10/16/03	8260b	<0.28	<4.9	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53	Shallow	1/15/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53 (dup)	Shallow	1/15/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53	Shallow	4/15/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53 (dup)	Shallow	4/15/04	8260b	<0.28	4.9UJ	<0.32	<0.27	<0.33	<0.29	<0.19	<0.35	<0.17	<0.16	<0.16	<44	<44
RMW-53	Shallow	1/13/05	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	<0.21	<44	<44
RMW-53	Shallow	4/14/05	524.2	<0.28	<4.9	<0.32	<0.27	<0.33	<0.049	<0.029	<0.038	<0.069	<0.034	--	<44	<44
RMW-53	Shallow	4/13/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	49J
RMW-53	Shallow	4/12/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-53 (dup)	Shallow	4/12/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-53	Shallow	1/28/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-53	Shallow	1/22/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-53	Shallow	2/16/10	8260b	<0.30	<3.5	<0.28	<0.31	0.27UJ	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-53	Shallow	1/27/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-53	Shallow	1/20/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-53	Shallow	1/21/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-53	Shallow	1/28/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-53	Shallow	2/17/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-53	Shallow	1/28/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-53	Shallow	3/8/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-53	Shallow	1/23/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-54	Upper Silverado	2/16/06	8260b	23	<10	<2.0	<2.0	<2.0	<0.050	<1.0	<1.0	<1.0	<1.0	--		<50
RMW-54	Upper Silverado	4/25/06	524.2	20	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-54	Upper Silverado	7/12/06	8260b	57	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	56
RMW-54	Upper Silverado	10/25/06	8260b	36	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-54	Upper Silverado	4/17/07	8260b	54	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-54	Upper Silverado	7/9/07	8260b	36	5.4UJ	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-54	Upper Silverado	1/21/08	8260b		<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.54	<0.17	--	<48	<48
RMW-54	Upper Silverado	7/11/08	8260b		<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.54	<0.17	--	<48	<48
RMW-54	Upper Silverado	1/23/09	8260b	16	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-54 (dup)	Upper Silverado	1/23/09	8260b	21	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-54	Upper Silverado	7/13/09	8260b	2.0	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-54 (dup)	Upper Silverado	7/13/09	8260b	1.8 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-54	Upper Silverado	1/22/10	8260b	1.4	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-54 (dup)	Upper Silverado	1/22/10	8260b	1.4	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-54	Upper Silverado	7/20/10	8260b	0.42 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-54	Upper Silverado	1/28/11	8260b	4.2	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-54	Upper Silverado	7/18/11	8260b	5.5	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-54	Upper Silverado	1/20/12	8260b	18	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-54	Upper Silverado	7/19/12	8260b	41	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-54	Upper Silverado	1/21/13	8260B	58	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-54 (dup)	Upper Silverado	1/21/13	8260B	55	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-54	Upper Silverado	7/26/13	8260B	5.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-54	Upper Silverado	1/16/14	8260b	48	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-54 (dup)	Upper Silverado	1/16/14	8260b	48	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-54	Upper Silverado	7/24/14	8260b	41	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	0.23UJ	--	<48	<48
RMW-54	Upper Silverado	2/17/15	8260b	18	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-54	Upper Silverado	7/16/15	8260b	13	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-54	Upper Silverado	1/18/16	8260b	14	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-54	Upper Silverado	7/21/16	8260b	1.1	<4.6	<0.22	0.33UJ	0.44UJ	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-54	Upper Silverado	1/27/17	8260b	2.5	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-54	Upper Silverado	7/20/17	8260b	4.5 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-54	Upper Silverado	1/23/18	8260b	0.78 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-54	Upper Silverado	8/2/18	8260b	3.7	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-54 (dup)	Upper Silverado	8/2/18	8260b	3.7	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-54	Upper Silverado	5/1/19	8260b	0.65	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-54	Upper Silverado	7/25/19	8260b	0.29 J	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25
RMW-54 (dup)	Upper Silverado	7/25/19	8260b	0.39 J	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-54	Upper Silverado	1/22/20	8260b	1.8	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.50	<25	<25

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-55	Shallow	2/16/06	8260b	37	<10	<2.0	<2.0	<2.0	<0.050	<1.0	<1.0	<1.0	<1.0	--		53
RMW-55	Shallow	4/25/06	524.2	55	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-55	Shallow	7/12/06	8260b	120	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	87
RMW-55	Shallow	10/25/06	8260b	43	4.0J	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-55	Shallow	4/17/07	8260b	100	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	55
RMW-55	Shallow	7/9/07	8260b	25	5.4UJ	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-55	Shallow	1/21/08	8260b	13	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-55 (dup)	Shallow	1/21/08	8260b	11	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-55	Shallow	7/11/08	8260b	20	<5.4	<1.1	<0.33	<0.18	<0.14U	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-55	Shallow	1/23/09	8260b	48	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-55	Shallow	7/13/09	8260b	5.1	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-55	Shallow	1/22/10	8260b	6.2	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-55	Shallow	7/21/10	8260b	52	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	59
RMW-55	Shallow	1/28/11	8260b	46	13	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	53
RMW-55	Shallow	7/18/11	8260b	0.68 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-55 (dup)	Shallow	7/18/11	8260b	0.67 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-55	Shallow	1/20/12	8260b	2.2	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-55 (dup)	Shallow	1/20/12	8260b	2.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-55	Shallow	7/19/12	8260b	1.2	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-55 (dup)	Shallow	7/19/12	8260b	1.2	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-55	Shallow	1/21/13	8260B	1.3	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-55	Shallow	7/26/13	8260B	1.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-55	Shallow	1/31/14	8260B	3.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-55	Shallow	7/24/14	8260b	1.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	0.23UJ	--	<48	<48
RMW-55 (dup)	Shallow	7/24/14	8260b	1.6	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	0.23UJ	--	<48	<48
RMW-55	Shallow	2/17/15	8260b	1.2	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-55 (dup)	Shallow	2/17/15	8260b	1.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-55	Shallow	7/16/15	8260b	6.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-55 (dup)	Shallow	7/16/15	8260b	6.7	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-55	Shallow	1/18/16	8260b	2.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-55	Shallow	7/21/16	8260b	6.0	<4.6	<0.22	0.33UJ	0.44UJ	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-55	Shallow	1/27/17	8260b	8.0	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-55	Shallow	7/20/17	8260b	21 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-55 (dup)	Shallow	7/20/17	8260b	22 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-55	Shallow	1/23/18	8260b	0.62 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-56	Upper Silverado	4/27/06	524.2	7.0	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-56	Upper Silverado	7/18/06	8260b	11	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-56	Upper Silverado	11/8/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-56	Upper Silverado	4/16/07	8260b	18	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-56 (dup)	Upper Silverado	4/16/07	8260b	18	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-56	Upper Silverado	7/12/07	8260b	1.7 J	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-56 (dup)	Upper Silverado	7/12/07	8260b	2.0 J	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-56	Upper Silverado	1/16/08	8260b	29	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-56	Upper Silverado	7/9/08	8260b	22	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-56 (dup)	Upper Silverado	7/9/08	8260b	24	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-56	Upper Silverado	1/28/09	8260b	76	7.3J	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	64
RMW-56	Upper Silverado	7/16/09	8260b	28	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-56 (dup)	Upper Silverado	7/16/09	8260b	28	6.4J	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-56	Upper Silverado	1/22/10	8260b	31	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-56	Upper Silverado	7/15/10	8260b	18	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-56 (dup)	Upper Silverado	7/15/10	8260b	18	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-56	Upper Silverado	1/18/11	8260b	2.3	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-56	Upper Silverado	7/21/11	8260b	3.2	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-56	Upper Silverado	1/18/12	8260b	94	<4.6	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	57	89
RMW-56	Upper Silverado	7/17/12	8260b	49	<4.6	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-56	Upper Silverado	1/22/13	8260B	16	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-56 (dup)	Upper Silverado	1/22/13	8260B	18	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-56	Upper Silverado	7/23/13	8260B	3.3	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-56	Upper Silverado	1/24/14	8260b	<0.31	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-56 (dup)	Upper Silverado	1/24/14	8260b	0.36 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-56	Upper Silverado	7/22/14	8260b	0.50 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-56	Upper Silverado	2/18/15	8260b	1.4	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-56	Upper Silverado	7/14/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-56 (dup)	Upper Silverado	7/14/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-56	Upper Silverado	1/26/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-56 (dup)	Upper Silverado	1/26/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-56	Upper Silverado	7/18/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-56 (dup)	Upper Silverado	7/18/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-56	Upper Silverado	2/2/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-56 (dup)	Upper Silverado	2/2/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-56	Upper Silverado	7/17/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-56	Upper Silverado	1/24/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)											VOLATILE FUEL HYDROCARBONS EPA Method 8015		
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-57	Shallow	4/27/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-57	Shallow	7/18/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-57	Shallow	11/8/06	8260b	13	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-57	Shallow	4/16/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-57	Shallow	7/12/07	8260b	0.29 J	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-57	Shallow	1/16/08	8260b	43	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-57	Shallow	7/9/08	8260b	83	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-57	Shallow	1/28/09	8260b	110	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	77
RMW-57	Shallow	7/16/09	8260b	120	5.7J	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	94
RMW-57	Shallow	1/22/10	8260b	96	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	75
RMW-57	Shallow	7/15/10	8260b	110	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	150
RMW-57	Shallow	1/18/11	8260b	140	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	120
RMW-57 (dup)	Shallow	1/18/11	8260b	140	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	120
RMW-57	Shallow	7/21/11	8260b	46	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-57	Shallow	1/23/12	8260b	3.9	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-57	Shallow	7/17/12	8260b	<0.31	<4.6	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-57 (dup)	Shallow	7/17/12	8260b	<0.31	<4.6	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-57	Shallow	1/22/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-57	Shallow	7/23/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-57 (dup)	Shallow	7/23/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-57	Shallow	1/24/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-57	Shallow	7/22/14	8260b	0.45 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-57 (dup)	Shallow	7/22/14	8260b	0.53 J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-57	Shallow	2/18/15	8260b	0.53 J	24V	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-57 (dup)	Shallow	2/18/15	8260b	0.45 J	10X	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-57	Shallow	7/14/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-57	Shallow	1/26/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-57	Shallow	7/18/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-57	Shallow	1/23/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-57 (dup)	Shallow	1/23/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-57	Shallow	7/17/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-57 (dup)	Shallow	7/17/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-57	Shallow	1/24/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes	C6-C12	C4-C12
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-58	Upper Silverado	3/3/06	8260b	<1.0	<10	<2.0	<2.0	<2.0	<0.050	<1.0	<1.0	<1.0	<1.0	--		<50
RMW-58	Upper Silverado	4/24/06	524.2	<0.027	0.79UJ	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-58	Upper Silverado	7/18/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-58	Upper Silverado	10/17/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-58 (dup)	Upper Silverado	10/17/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-58	Upper Silverado	4/16/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-58	Upper Silverado	7/12/07	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-58	Upper Silverado	1/16/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-58	Upper Silverado	7/9/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-58	Upper Silverado	1/28/09	8260b	0.94 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-58	Upper Silverado	7/16/09	8260b	1.8 J	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-58	Upper Silverado	1/29/10	8260b	5.0	6.7J	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-58	Upper Silverado	7/16/10	8260b	5.6	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-58 (dup)	Upper Silverado	7/16/10	8260b	6.0	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-58	Upper Silverado	1/18/11	8260b	3.8	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-58	Upper Silverado	7/18/11	8260b	5.6	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-58	Upper Silverado	1/23/12	8260b	6.6	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-58	Upper Silverado	7/17/12	8260b	14	<4.6	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-58	Upper Silverado	1/22/13	8260B	2.1	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-58	Upper Silverado	7/23/13	8260B	1.3	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-58	Upper Silverado	1/28/14	8260B	5.9	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-58	Upper Silverado	7/22/14	8260b	1.0	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-58	Upper Silverado	2/20/15	8260b	0.85 J	13V	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-58	Upper Silverado	7/14/15	8260b	--	--	--	--	--	--	--	--	--	--	--	<48	<48
RMW-58	Upper Silverado	1/28/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-58 (dup)	Upper Silverado	1/28/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-58	Upper Silverado	7/18/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-58	Upper Silverado	1/23/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-58	Upper Silverado	7/17/17	8260b	0.77J	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-58	Upper Silverado	1/26/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RMW-59	Shallow	3/3/06	8260b	<1.0	<10	<2.0	<2.0	<2.0	<0.050	<1.0	<1.0	<1.0	<1.0	--		<50
RMW-59	Shallow	4/24/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<44	<44
RMW-59	Shallow	7/18/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RMW-59	Shallow	10/17/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	4.8	<0.17	1.3	2.0	1.1	--	<48	<48
RMW-59	Shallow	4/16/07	8260b	<0.23	<9.2	<0.5	<0.39	<0.46	<0.19	<0.13	<0.23	<0.27	<0.17	--	<48	<48
RMW-59	Shallow	7/12/07	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-59	Shallow	1/16/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-59 (dup)	Shallow	1/16/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-59	Shallow	7/9/08	8260b	<0.26	<5.4	<1.1	<0.33	<0.18	<0.14	<0.23	<0.27	<0.54	<0.17	--	<48	<48
RMW-59	Shallow	1/28/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-59	Shallow	7/16/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-59	Shallow	1/29/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-59	Shallow	7/16/10	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-59	Shallow	1/18/11	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RMW-59	Shallow	7/18/11	8260b	1.8	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-59	Shallow	1/23/12	8260b	12	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-59 (dup)	Shallow	1/23/12	8260b	12	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-59	Shallow	7/17/12	8260b	1.2	<4.6	<0.22	0.33UJ	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-59	Shallow	1/22/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-59	Shallow	7/23/13	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-59	Shallow	1/28/14	8260B	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RMW-59	Shallow	7/22/14	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-59	Shallow	2/19/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-59	Shallow	7/14/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-59	Shallow	1/28/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-59	Shallow	7/18/16	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-59	Shallow	1/23/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-59	Shallow	7/17/17	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RMW-59	Shallow	1/26/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RPZ-4	Shallow	6/11/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RPZ-4	Shallow	4/25/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-4 (dup)	Shallow	4/25/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--		
RPZ-4	Shallow	1/27/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RPZ-4	Shallow	1/24/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RPZ-4	Shallow	2/24/15	8260b	<0.31	13	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RPZ-5	Upper Silverado	6/11/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.11VJ	<0.69	<0.14	<0.82		
RPZ-5	Upper Silverado	4/25/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-5	Upper Silverado	1/27/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RPZ-5	Upper Silverado	1/24/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RPZ-5	Upper Silverado	2/24/15	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RPZ-5	Upper Silverado	1/30/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RPZ-6	Upper Silverado	3/6/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RPZ-6	Upper Silverado	6/12/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		
RPZ-6	Upper Silverado	4/26/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-6	Upper Silverado	1/26/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RPZ-6	Upper Silverado	1/11/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RPZ-6	Upper Silverado	2/11/15	8260b	<0.31	10X	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RPZ-6	Upper Silverado	1/17/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RPZ-7	Shallow	3/6/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	<0.093	<0.69	<0.14	<0.82		<10
RPZ-7	Shallow	6/12/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.13VJ	<0.69	<0.14	<0.82		
RPZ-7 (dup)	Shallow	6/12/01	8260b	<0.28	<5	<0.68	<0.5	<0.57	<0.11	<0.18	0.12VJ	<0.69	<0.14	<0.82		
RPZ-7	Shallow	4/26/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-7	Shallow	1/26/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RPZ-7 (dup)	Shallow	1/26/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RPZ-7	Shallow	1/11/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RPZ-7	Shallow	2/11/15	8260b	<0.31	10X	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RPZ-8	Upper Silverado	4/27/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-8 (dup)	Upper Silverado	4/27/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--		
RPZ-8	Upper Silverado	7/27/06	8260b	2.5	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RPZ-8	Upper Silverado	10/19/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	0.4J	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RPZ-8	Upper Silverado	1/26/09	8260b	<0.30	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RPZ-8	Upper Silverado	1/11/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RPZ-8	Upper Silverado	2/11/15	8260b	<0.31	21V	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48
RPZ-8	Upper Silverado	1/17/18	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.30	<0.23	--	<48	<48

TABLE 8. SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS - Fuel Constituents
Charnock Sub-Basin; Los Angeles, California

Regional Well No.	Aquifer	Sample Date	VOLATILE ORGANICS (µg/L)												VOLATILE FUEL HYDROCARBONS EPA Method 8015	
			EPA Method	MTBE	TBA	TAME	DIPE	ETBE	Benzene	Ethyl-benzene	Toluene	m,p-Xylenes	o-Xylene	Total Xylenes		
EQL (µg/L):				0.50	10	0.50	0.5	0.50	0.50	0.50	0.5	1.0	0.50	1.0	C6-C12	C4-C12
RPZ-9	Shallow	4/27/06	524.2	<0.027	<0.79	<0.015	<0.011	<0.025	<0.014	<0.021	<0.02	<0.03	<0.016	--	<48	<48
RPZ-9	Shallow	7/27/06	8260b	0.95 J	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RPZ-9	Shallow	10/19/06	8260b	<0.29	<3.9	<0.33	<0.33	<0.39	<0.26	<0.17	<0.35	<0.38	<0.21	--	<48	<48
RPZ-9	Shallow	1/26/09	8260b	0.3U	<3.5	<0.28	<0.31	<0.27	<0.28	<0.22	<0.33	<0.45	<0.24	--	<48	<48
RPZ-9	Shallow	1/11/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48
RPZ-9 (dup)	Shallow	1/11/12	8260b	<0.31	<4.6	<0.22	<0.33	<0.44	<0.14	<0.14	<0.24	<0.24	<0.23	--	<48	<48

Notes:

All units are in micrograms per liter (µg/L), or parts per billion.

EQL = Estimated Quantitation Limit

<xx = Analyte not detected above the indicated detection limit.

J = Estimated value

UJ = The analyte was analyzed for, but it was not detected and the sample detection limit is an estimated quantity.

U, V, or X = Data are qualified due to a detection in an associated equipment blank, trip blank, method blank, or other QC issue (1.3U, 1.3V, or 1.3X means <1.3 µg/L).

"V" indicates that the detection limit for the qualified data is higher than the instrument detection limit for the analyte.

"X" indicates that the detection limit for the qualified data was raised to EQL for the analyte.

8020-conf = EPA Method 8020 second confirmation column. The second GC column results are considered to provide qualitative confirmation that the analyte peak quantified using the primary GC column was identified correctly. The quantified results for the samples analyzed by EPA Method 8020 are listed under "8020" in this table.

Wells sampled in January 2020 and positive detections in January 2020 are highlighted.

TABLE 9. SUMMARY OF DUPLICATE SAMPLE ANALYSES - DETECTED COMPOUNDS ONLY
2020 Annual Sampling (January 2020)
Charnock Sub-Basin; Los Angeles, California

Well	Sample Date	Primary Sample ID	Compound	Units	Primary Sample Result	Duplicate Sample Result	Relative Percent Difference
EPA Method 8260B							
RMW-21	1/24/20	GMX-RMW-21-20200124	1,2,4-Trimethylbenzene	µg/L	0.28 J	0.30 J	7%
RMW-21	1/24/20	GMX-RMW-21-20200124	cis-1,2-Dichloroethene	µg/L	1.2	1.2	0%
RMW-21	1/24/20	GMX-RMW-21-20200124	Methyl tert-butyl ether (MTBE)	µg/L	4.5	4.6	2%
RMW-30	1/22/20	GMX-RMW-30-20200122	1,2,4-Trimethylbenzene	µg/L	0.31 J	0.37 J	18%
RMW-30	1/22/20	GMX-RMW-30-20200122	Methyl tert-butyl ether (MTBE)	µg/L	0.96	0.87	10%
RMW-30	1/22/20	GMX-RMW-30-20200122	o-xylene	µg/L	0.25 J	0.27 J	8%

Notes:

All units are in micrograms per liter (µg/L), or parts per billion

J qualifier: A 'J' qualifier is attached to positive sample results that are estimated quantities.

TABLE 10. SUMMARY OF QUALIFIED DATA (CONCENTRATIONS BETWEEN MDLs AND EQLs)
2020 Annual Sampling (January 2020)
Charnock Sub-Basin; Los Angeles, California

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
Primary and Duplicate Groundwater Samples							
RMW-9	1/22/20	GMX-RMW-9-20200122	Methyl tert-butyl ether (MTBE)	µg/L	0.29	0.29 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-9	1/22/20	GMX-RMW-9-20200122	1,2,4-Trimethylbenzene	µg/L	0.42	0.42 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-9	1/22/20	GMX-RMW-9-20200122	o-xylene	µg/L	0.26	0.26 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-11	1/23/20	GMX-RMW-11-20200123	1,2,4-Trimethylbenzene	µg/L	0.29	0.29 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-11	1/23/20	GMX-RMW-11-20200123	TPH-gasoline (C4-C12)	µg/L	28	28 J	Between the MDL (25 µg/L) and EQL (50 µg/L).
RMW-14	1/21/20	GMX-RMW-14-20200121	Ethylbenzene	µg/L	0.46	0.46 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-14	1/21/20	GMX-RMW-14-20200121	cis-1,2-Dichloroethene	µg/L	0.48	0.48 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-14	1/21/20	GMX-RMW-14-20200121	Naphthalene	µg/L	0.72	0.72 J	Between the MDL (0.40 µg/L) and EQL (1.0 µg/L).
RMW-14	1/21/20	GMX-RMW-14-20200121	n-Propylbenzene	µg/L	0.41	0.41 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-17	1/21/20	GMX-RMW-17-20200121	Toluene	µg/L	0.34	0.34 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-19	1/23/20	GMX-RMW-19-20200123	1,2,4-Trimethylbenzene	ug/l	0.25	0.25 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-19	1/23/20	GMX-RMW-19-20200123	TPH-gasoline (C6-C12)	µg/L	39	39 J	Between the MDL (25 µg/L) and EQL (50 µg/L).
RMW-19	1/23/20	GMX-RMW-19-20200123	Tetrachloroethene (PCE)	µg/L	0.37	0.37 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-21	1/24/20	GMX-RMW-21-20200124	1,2,4-Trimethylbenzene	µg/L	0.28	0.28 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-21-fd	1/24/20	GMX-RMW-21-20200124	1,2,4-Trimethylbenzene	µg/L	0.30	0.30 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-23	1/23/20	GMX-RMW-23-20200123	m,p-xylenes	µg/L	0.51	0.51 J	Between the MDL (0.50 µg/L) and EQL (1.0 µg/L).
RMW-23	1/23/20	GMX-RMW-23-20200123	o-xylene	µg/L	0.28	0.28 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-23	1/23/20	GMX-RMW-23-20200123	Xylenes (total)	µg/L	0.79	0.79 J	Between the MDL (0.50 µg/L) and EQL (1.0 µg/L).
RMW-23	1/23/20	GMX-RMW-23-20200123	TPH-gasoline (C4-C12)	µg/L	27	27 J	Between the MDL (25 µg/L) and EQL (50 µg/L).
RMW-23	1/23/20	GMX-RMW-23-20200123	1,2,4-Trimethylbenzene	µg/L	0.40	0.40 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-23	1/23/20	GMX-RMW-23-20200123	1,2-Dichloroethane	µg/L	0.26	0.26 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-23	1/23/20	GMX-RMW-23-20200123	Trichloroethene (TCE)	µg/L	0.32	0.32 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-28	1/21/20	GMX-RMW-28-20200121	1,3,5-Trimethylbenzene	µg/L	0.47	0.47 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-28	1/21/20	GMX-RMW-28-20200121	Ethylbenzene	µg/L	0.36	0.36 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-28	1/21/20	GMX-RMW-28-20200121	TPH-gasoline (C6-C12)	µg/L	34	34 J	Between the MDL (25 µg/L) and EQL (50 µg/L).
RMW-28	1/21/20	GMX-RMW-28-20200121	TPH-gasoline (C4-C12)	µg/L	32	32 J	Between the MDL (25 µg/L) and EQL (50 µg/L).
RMW-30	1/22/20	GMX-RMW-30-20200122	1,2,4-Trimethylbenzene	µg/L	0.31	0.31 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-30	1/22/20	GMX-RMW-30-20200122	o-xylene	µg/L	0.25	0.25 J	Between the MDL (0.25 ug/l) and EQL (0.50 ug/l).
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	1,2,4-Trimethylbenzene	µg/L	0.37	0.37 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	o-xylene	µg/L	0.27	0.27 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).

TABLE 10. SUMMARY OF QUALIFIED DATA (CONCENTRATIONS BETWEEN MDLs AND EQLs)
2020 Annual Sampling (January 2020)
Charnock Sub-Basin; Los Angeles, California

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
RMW-49	1/23/20	GMX-RMW-49-20200123	1,2,4-Trimethylbenzene	µg/L	0.32	0.32 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-49	1/23/20	GMX-RMW-49-20200123	o-xylene	µg/L	0.28	0.28 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-50	1/22/20	GMX-RMW-50-20200122	Methyl tert-butyl ether (MTBE)	µg/L	0.42	0.42 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-50	1/22/20	GMX-RMW-50-20200122	Tert-butyl alcohol (TBA)	µg/L	8.0	8.0 J	Between the MDL (5.0 µg/L) and EQL (10 µg/L).
RMW-50	1/22/20	GMX-RMW-50-20200122	m,p-xylenes	µg/L	0.54	0.54 J	Between the MDL (0.50 µg/L) and EQL (1.0 µg/L).
RMW-50	1/22/20	GMX-RMW-50-20200122	o-xylene	µg/L	0.31	0.31 J	Between the MDL (0.25 µg/L) and EQL (0.50 µg/L).
RMW-50	1/22/20	GMX-RMW-50-20200122	Xylenes (total)	µg/L	0.85	0.85 J	Between the MDL (0.50 µg/L) and EQL (1.0 µg/L).

Notes: All units are in micrograms per liter (µg/L), or parts per billion
EQL = Estimated Quantitation Limit
MDL = Method Detection Limit (also referred to as the instrument detection limit)
J qualifier: A 'J' qualifier is attached to positive sample results that are estimated quantities.
Data validation was conducted by Laboratory Data Consultants, Inc.

TABLE 11. SUMMARY OF QUALIFIED DATA (COMPOUNDS NOT DETECTED AT MDLs)
2020 Annual Sampling (January 2020)
Charnock Sub-Basin; Los Angeles, California

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
Primary and Duplicate Groundwater Samples							
RMW-14	1/21/20	GMX-RMW-14-20200121	Tert-butyl alcohol (TBA)	µg/L	<5.0	5.0 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	Ethanol	µg/L	<75	75 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	Bromoform	µg/L	<0.40	0.40 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	Carbon Tetrachloride	µg/L	<0.25	0.25 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	Chloromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	Dichlorodifluoromethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	Dichlorofluoromethane	µg/L	<0.50	0.50 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	1,3-Dichloropropane	µg/L	<0.25	0.25 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	2,2-Dichloropropane	µg/L	<0.40	0.40 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	Hexachlorobutadiene	µg/L	<0.25	0.25 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	1,1,2,2-Tetrachloroethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	Trichlorofluoromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-14	1/21/20	GMX-RMW-14-20200121	Vinyl Acetate	µg/L	<2.0	2.0 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	Tert-butyl alcohol (TBA)	µg/L	<5.0	5.0 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	Ethanol	µg/L	<75	75 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	Bromoform	µg/L	<0.40	0.40 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	Carbon Tetrachloride	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	Chloromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	Dichlorodifluoromethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	Dichlorofluoromethane	µg/L	<0.50	0.50 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	1,3-Dichloropropane	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	2,2-Dichloropropane	µg/L	<0.40	0.40 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	Hexachlorobutadiene	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	1,1,2,2-Tetrachloroethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	Trichlorofluoromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121	Vinyl Acetate	µg/L	<2.0	2.0 UJ	Calibration

TABLE 11. SUMMARY OF QUALIFIED DATA (COMPOUNDS NOT DETECTED AT MDLS)
2020 Annual Sampling (January 2020)
Charnock Sub-Basin; Los Angeles, California

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
RMW-28	1/21/20	GMX-RMW-28-20200121	Tert-butyl alcohol (TBA)	µg/L	<5.0	5.0 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121	Ethanol	µg/L	<75	75 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121	Bromoform	µg/L	<0.40	0.40 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121	Bromomethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121	Chloroethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121	Chloromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121	Dichlorodifluoromethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121	Dichlorofluoromethane	µg/L	<0.50	0.50 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121	1,3-Dichloropropane	µg/L	<0.25	0.25 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121	Vinyl Chloride	µg/L	<0.25	0.25 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	Tert-butyl alcohol (TBA)	µg/L	<5.0	5.0 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	Ethanol	µg/L	<75	75 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	Bromoform	µg/L	<0.40	0.40 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	Carbon Tetrachloride	µg/L	<0.25	0.25 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	Chloromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	Dichlorodifluoromethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	1,3-Dichloropropane	µg/L	<0.25	0.25 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	2,2-Dichloropropane	µg/L	<0.40	0.40 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	Hexachlorobutadiene	µg/L	<0.25	0.25 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	1,1,2,2-Tetrachloroethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	Trichlorofluoromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-30	1/22/20	GMX-RMW-30-20200122	Vinyl Acetate	µg/L	<2.0	2.0 UJ	Calibration

TABLE 11. SUMMARY OF QUALIFIED DATA (COMPOUNDS NOT DETECTED AT MDLs)
2020 Annual Sampling (January 2020)
Charnock Sub-Basin; Los Angeles, California

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	Tert-butyl alcohol (TBA)	µg/L	<5.0	5.0 UJ	Calibration
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	Ethanol	µg/L	<75	75 UJ	Calibration
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	Bromoform	µg/L	<0.40	0.40 UJ	Calibration
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	Carbon Tetrachloride	µg/L	<0.25	0.25 UJ	Calibration
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	Chloromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	Dichlorodifluoromethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	1,3-Dichloropropane	µg/L	<0.25	0.25 UJ	Calibration
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	2,2-Dichloropropane	µg/L	<0.40	0.40 UJ	Calibration
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	Hexachlorobutadiene	µg/L	<0.25	0.25 UJ	Calibration
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	1,1,2,2-Tetrachloroethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	Trichlorofluoromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-30-fd	1/22/20	GMX-RMW-30-20200122-FD	Vinyl Acetate	µg/L	<2.0	2.0 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	Tert-butyl alcohol (TBA)	µg/L	<5.0	5.0 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	Ethanol	µg/L	<75	75 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	Bromoform	µg/L	<0.40	0.40 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	Carbon Tetrachloride	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	Chloromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	Dichlorodifluoromethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	1,3-Dichloropropane	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	2,2-Dichloropropane	µg/L	<0.40	0.40 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	Hexachlorobutadiene	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	1,1,2,2-Tetrachloroethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	Trichlorofluoromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122	Vinyl Acetate	µg/L	<2.0	2.0 UJ	Calibration

TABLE 11. SUMMARY OF QUALIFIED DATA (COMPOUNDS NOT DETECTED AT MDLS)
2020 Annual Sampling (January 2020)
Charnock Sub-Basin; Los Angeles, California

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
RMW-9	1/22/20	GMX-RMW-9-20200122	Tert-butyl alcohol (TBA)	µg/L	<5.0	5.0 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122	Ethanol	µg/L	<75	75 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122	Bromoform	µg/L	<0.40	0.40 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122	Carbon Tetrachloride	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122	Chloromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122	Dichlorodifluoromethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122	1,3-Dichloropropane	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122	2,2-Dichloropropane	µg/L	<0.40	0.40 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122	Hexachlorobutadiene	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122	1,1,2,2-Tetrachloroethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122	Trichlorofluoromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122	Vinyl Acetate	µg/L	<2.0	2.0 UJ	Calibration
Equipment Blanks							
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	Tert-butyl alcohol (TBA)	µg/L	<5.0	5.0 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	Ethanol	µg/L	<75	75 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	Bromoform	µg/L	<0.40	0.40 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	Carbon Tetrachloride	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	Chloromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	Dichlorodifluoromethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	1,3-Dichloropropane	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	2,2-Dichloropropane	µg/L	<0.40	0.40 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	Hexachlorobutadiene	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	1,1,2,2-Tetrachloroethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	Trichlorofluoromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-9	1/22/20	GMX-RMW-9-20200122-EB	Vinyl Acetate	µg/L	<2.0	2.0 UJ	Calibration

TABLE 11. SUMMARY OF QUALIFIED DATA (COMPOUNDS NOT DETECTED AT MDLs)
2020 Annual Sampling (January 2020)
Charnock Sub-Basin; Los Angeles, California

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
Trip Blanks							
RMW-28	1/21/20	GMX-RMW-28-20200121-TB	Tert-butyl alcohol (TBA)	µg/L	<5.0	5.0 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121-TB	Ethanol	µg/L	<75	75 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121-TB	Bromoform	µg/L	<0.40	0.40 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121-TB	Bromomethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121-TB	Chloroethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121-TB	Chloromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121-TB	Dichlorodifluoromethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121-TB	Dichlorofluoromethane	µg/L	<0.50	0.50 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121-TB	1,3-Dichloropropane	µg/L	<0.25	0.25 UJ	Calibration
RMW-28	1/21/20	GMX-RMW-28-20200121-TB	Vinyl Chloride	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	Tert-butyl alcohol (TBA)	µg/L	<5.0	5.0 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	Ethanol	µg/L	<75	75 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	Bromoform	µg/L	<0.40	0.40 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	Carbon Tetrachloride	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	Chloromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	Dichlorodifluoromethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	1,3-Dichloropropane	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	2,2-Dichloropropane	µg/L	<0.40	0.40 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	Hexachlorobutadiene	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	1,1,2,2-Tetrachloroethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	Trichlorofluoromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-54	1/22/20	GMX-RMW-54-20200122-TB	Vinyl Acetate	µg/L	<2.0	2.0 UJ	Calibration

TABLE 11. SUMMARY OF QUALIFIED DATA (COMPOUNDS NOT DETECTED AT MDLS)
2020 Annual Sampling (January 2020)
Charnock Sub-Basin; Los Angeles, California

Well No.	Sample Date	Sample ID	Compound	Units	Original Result	Final Result	Reason
Atmospheric Blanks							
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	Tert-butyl alcohol (TBA)	µg/L	<5.0	5.0 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	Ethanol	µg/L	<75	75 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	Bromoform	µg/L	<0.40	0.40 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	Carbon Tetrachloride	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	Chloromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	Dichlorodifluoromethane	µg/L	<0.40	0.40 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	Dichlorofluoromethane	µg/L	<0.50	0.50 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	1,3-Dichloropropane	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	2,2-Dichloropropane	µg/L	<0.40	0.40 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	Hexachlorobutadiene	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	1,1,2,2-Tetrachloroethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	Trichlorofluoromethane	µg/L	<0.25	0.25 UJ	Calibration
RMW-17	1/21/20	GMX-RMW-17-20200121-AB	Vinyl Acetate	µg/L	<2.0	2.0 UJ	Calibration

Notes: All units are in micrograms per liter (µg/L), or parts per billion
MDL = Method Detection Limit (also referred to as the instrument detection limit)
UJ Qualifier: A 'UJ' qualifier is defined as meaning the analyte was analyzed for, but it was not detected and the sample quantitation or detection limit is an estimated quantity.

FIGURES

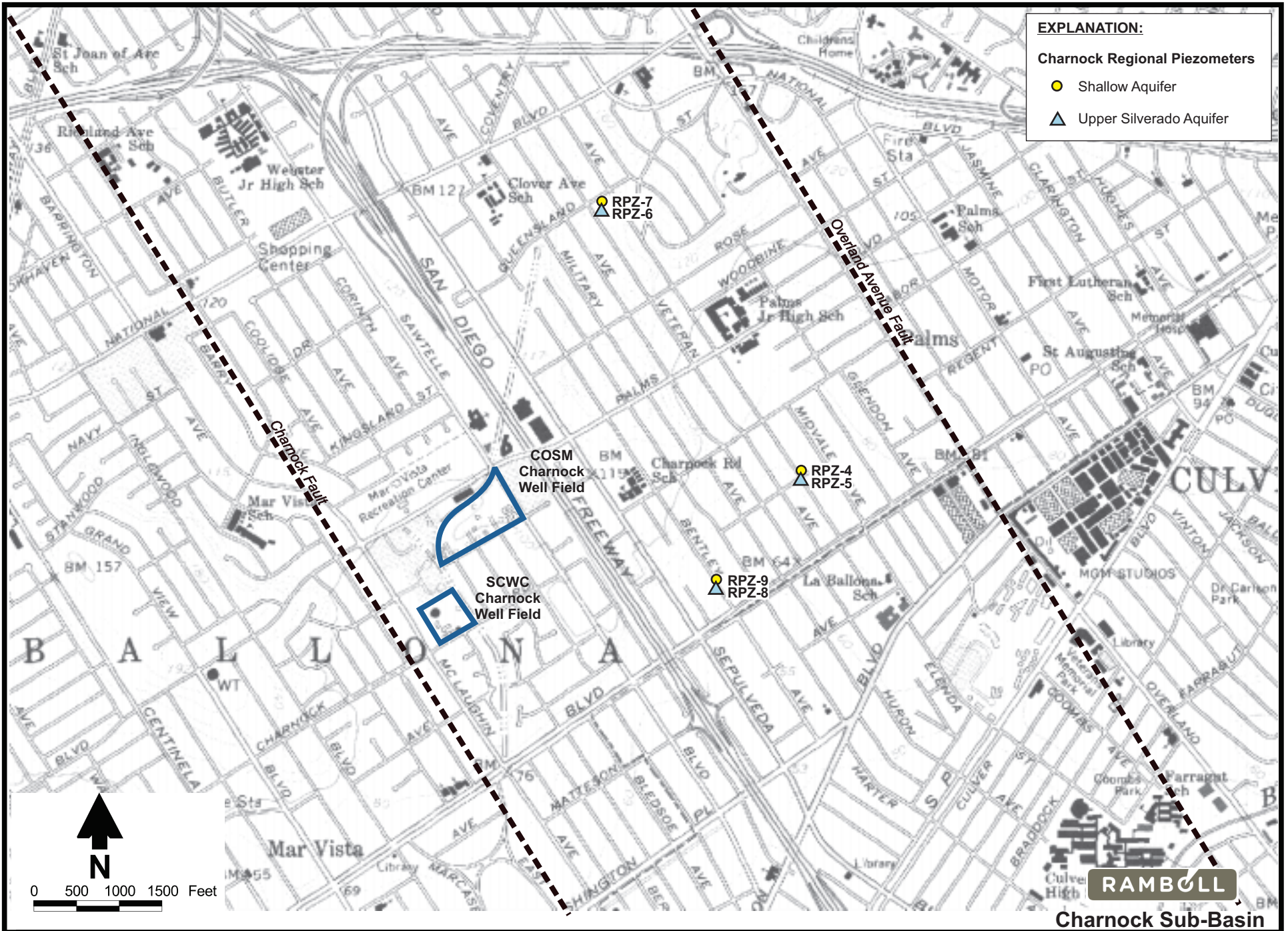
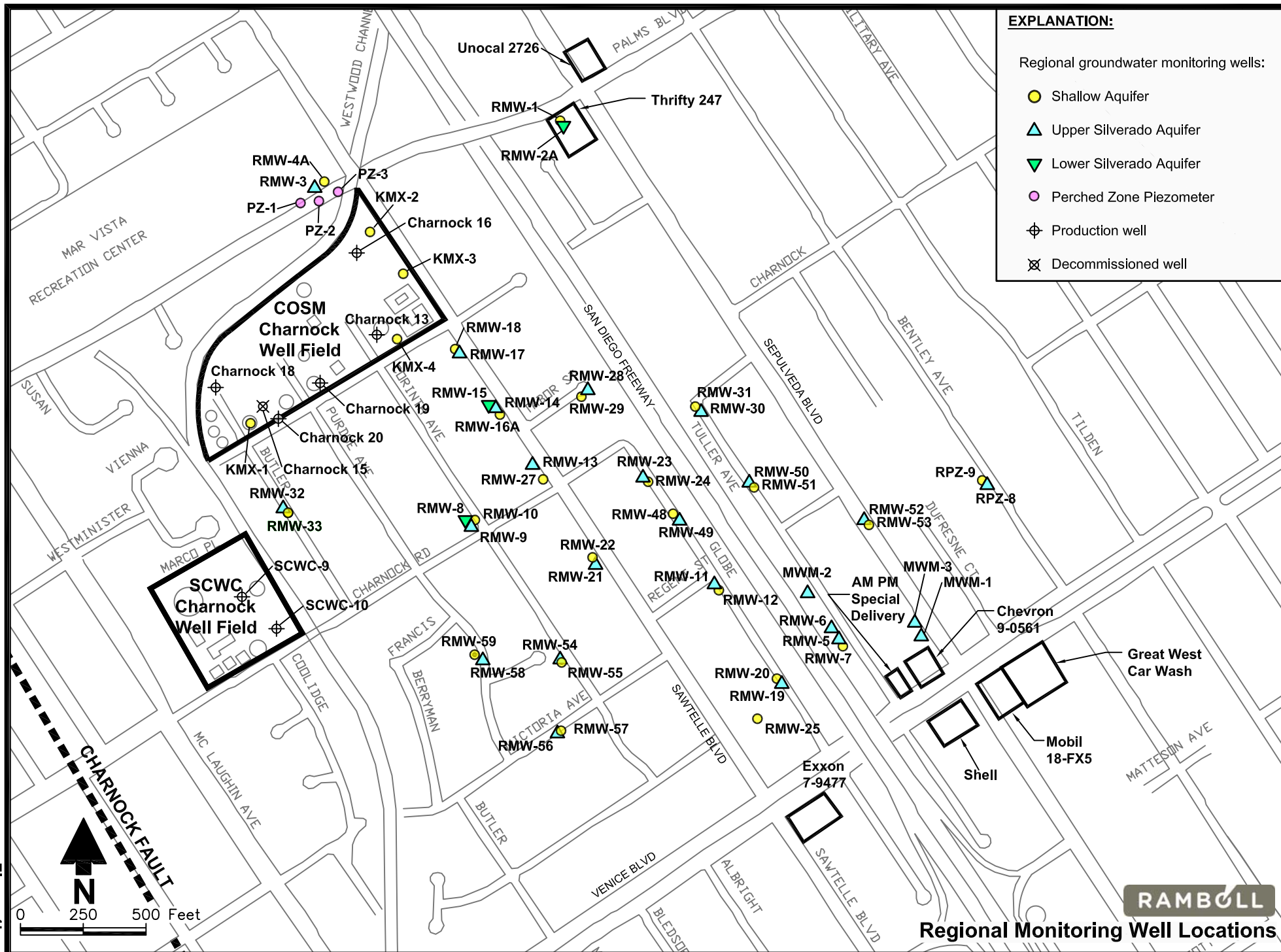


Figure 1a

Figure 1a

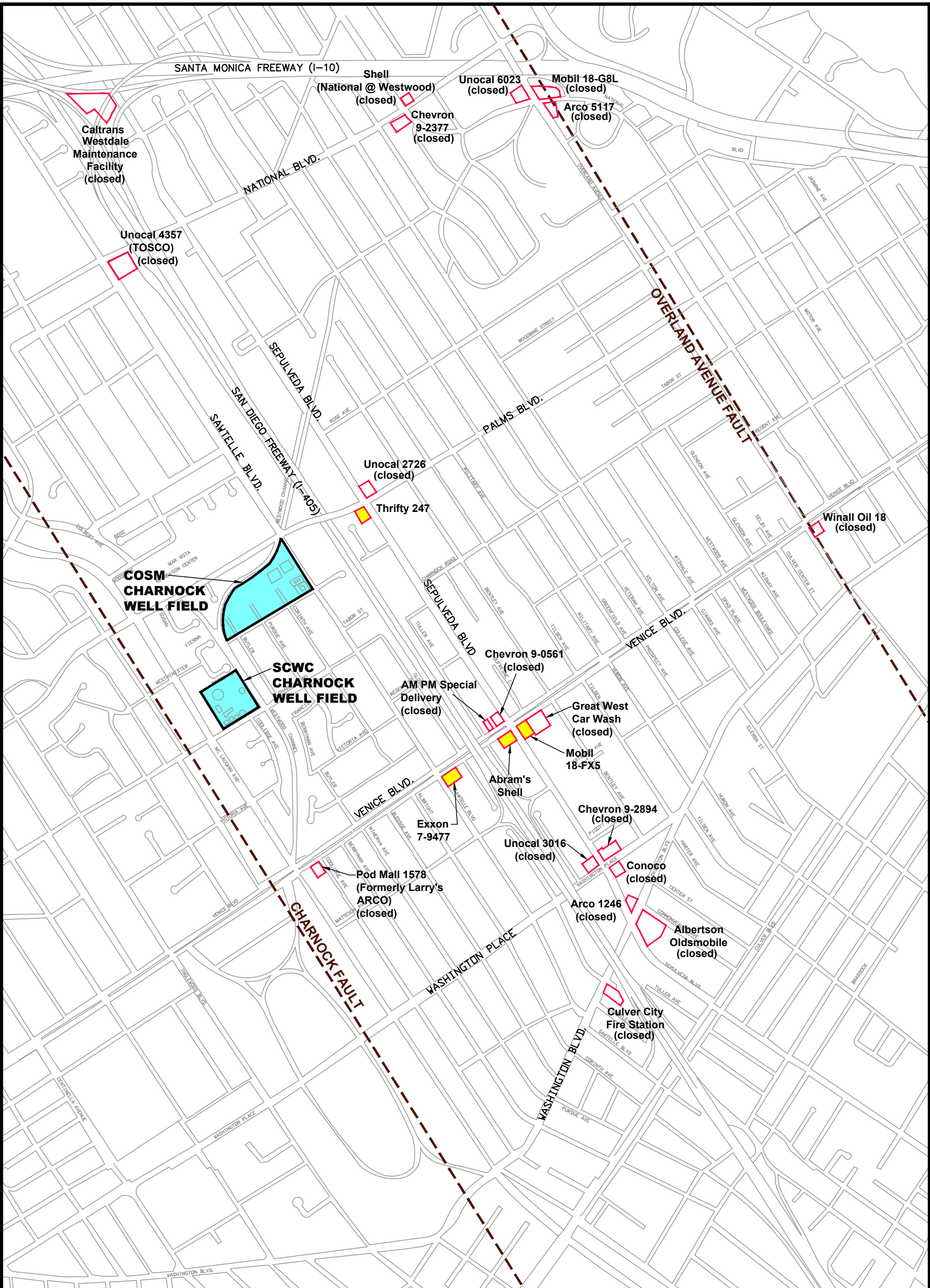


RAMBOLL

Regional Monitoring Well Locations

Figure 1b

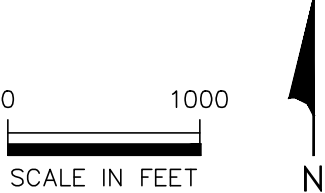
G:\DRAWINGS\1690001231\April 2019\1690001231-PRPMAP-April 2019.dwg -- Thu, 11 Jul 2019 -- 9:00am



EXPLANATION:

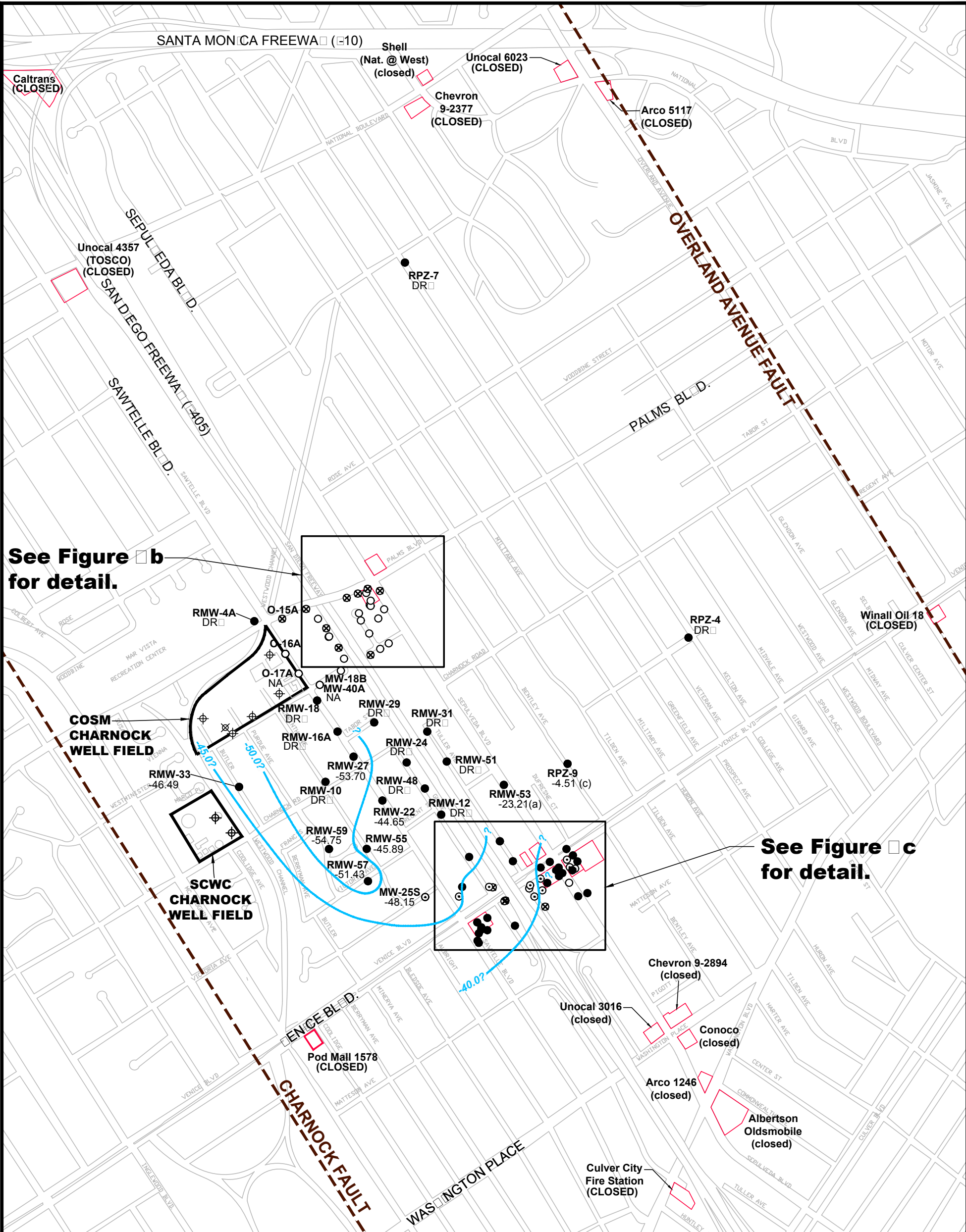
- Fault Line
- Site
- Site (closed)

SOURCE: Charnock Database, June 2019;
State Geotracker Database, June 2019.



Site Location Map
Charnock Sub-Basin; Los Angeles, California

Figure
1c



EXPLANATION

Shallow Aquifer Monitoring Well or Piezometer:

● -7.65 Measured in January 2020
Groundwater elevation in feet,
MSL Datum

○ NA January 2020 water level data
not available

⊙ Groundwater Extraction Well

⊕ Production Well

⊗ Destroyed Production Well

⊗ Destroyed Monitoring Well

— Fault Line

□ Site

-10.0 ? Groundwater elevation contour in feet, MSL Datum. Shown
unbroken for presentation clarity, but does not imply certainty.
Dashed and queried where inferred.

(a) Groundwater has become perched at this location; not
considered for contouring.

(b) Charnock Well Field began operating in December 2010.

(c) Groundwater elevation appears anomalous; not considered
for contouring.

0 800
SCALE IN FEET

N

SOURCE: Charnock database, July 2020.

RAMBOLL

Potentiometric Surface Map - Shallow Aquifer, January 2020
Charnock Sub-Basin; Los Angeles, California

Figure

2a

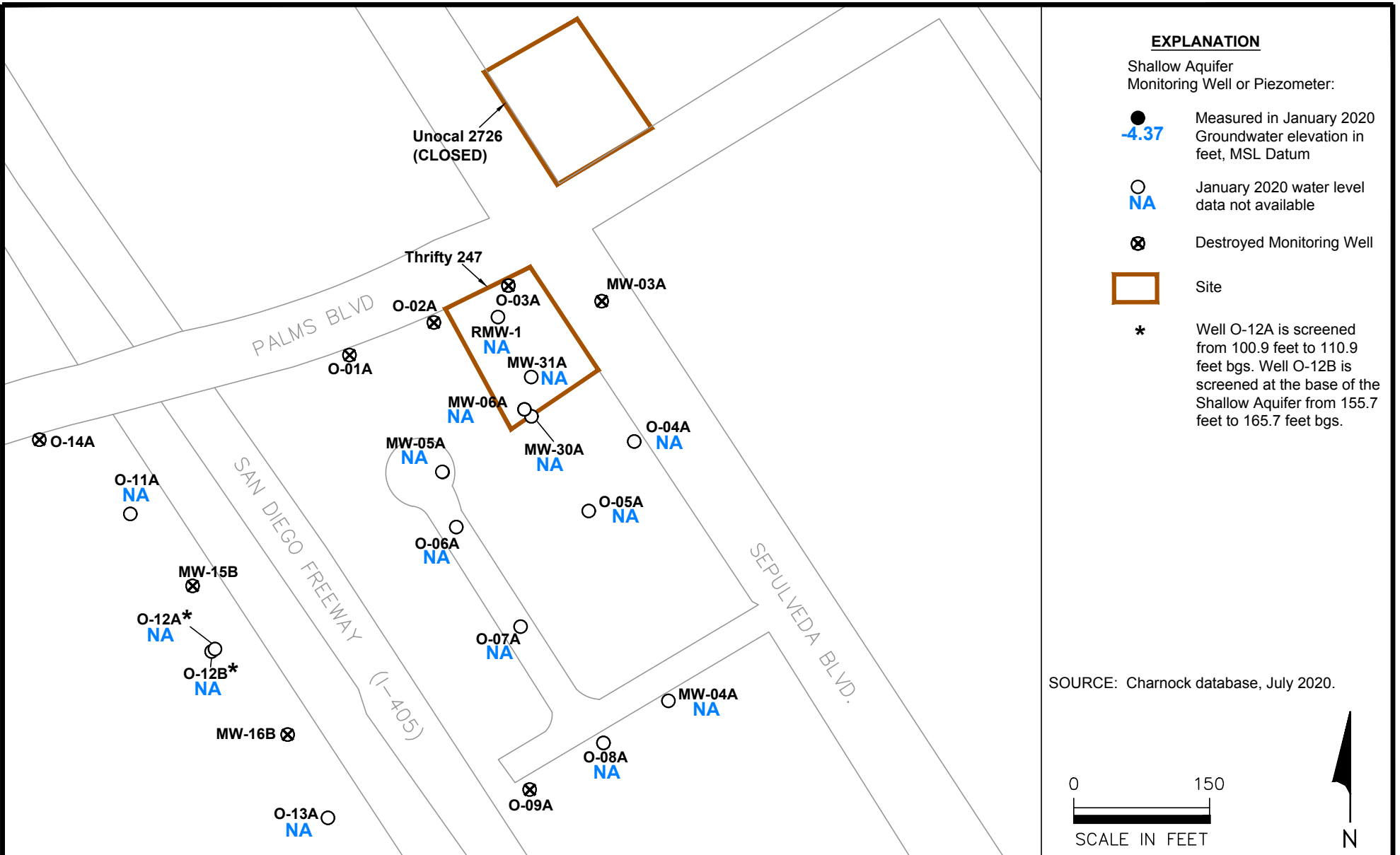
Drafter: RS

Date: 5/19/2020

Contract Number: 169001 2325-001

Approved:

Revised:

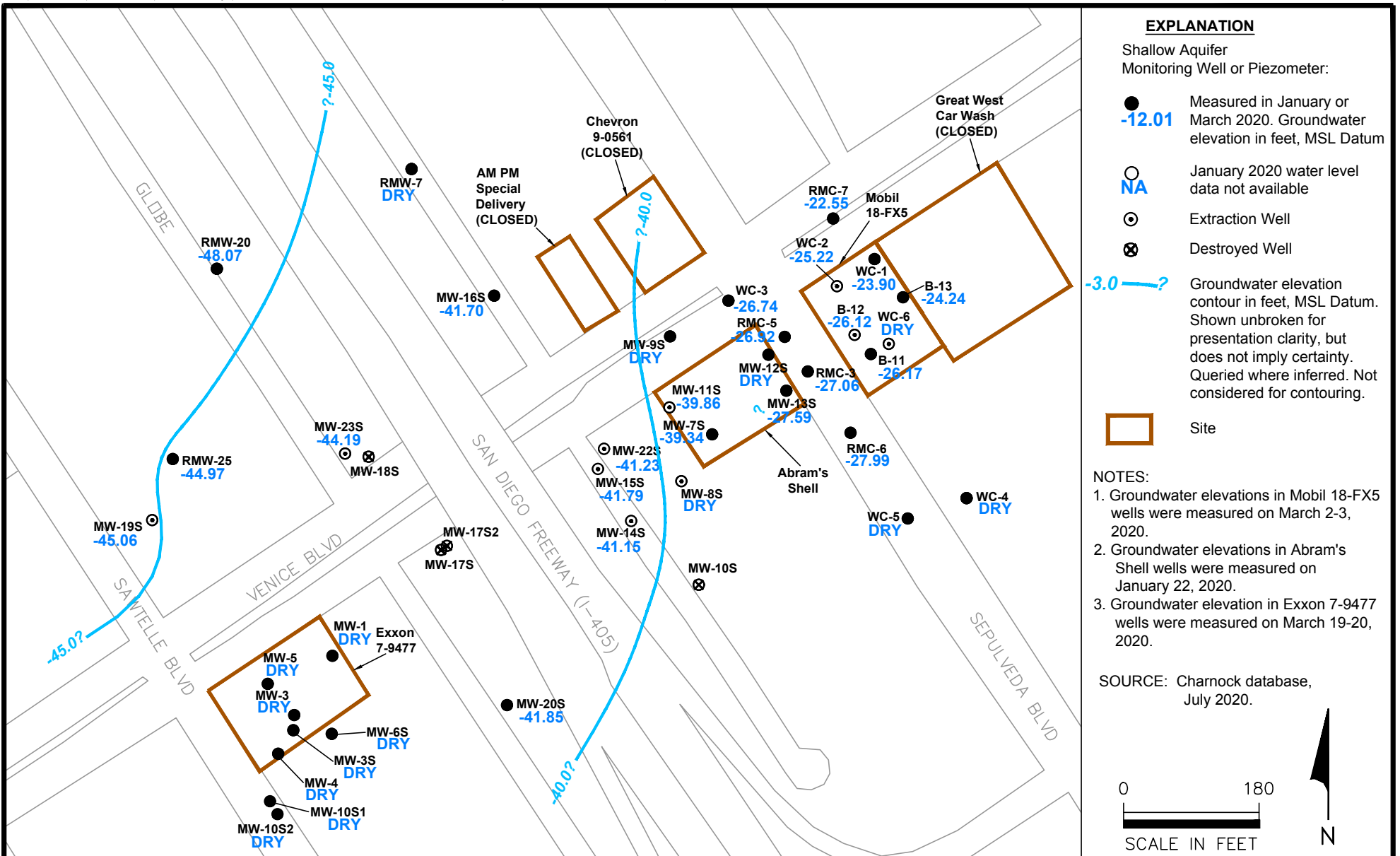


RAMBOLL

Potentiometric Surface Map - Shallow Aquifer, January 2020
Palms and Sepulveda Intersection Detail
 Charnock Sub-Basin; Los Angeles, California

Figure

2b



Potentiometric Surface Map - Shallow Aquifer, January 2020
Venice and Sepulveda Intersection Detail
 Charnock Sub-Basin; Los Angeles, California

Figure

2c

RAMBOLL

Drafter: RS

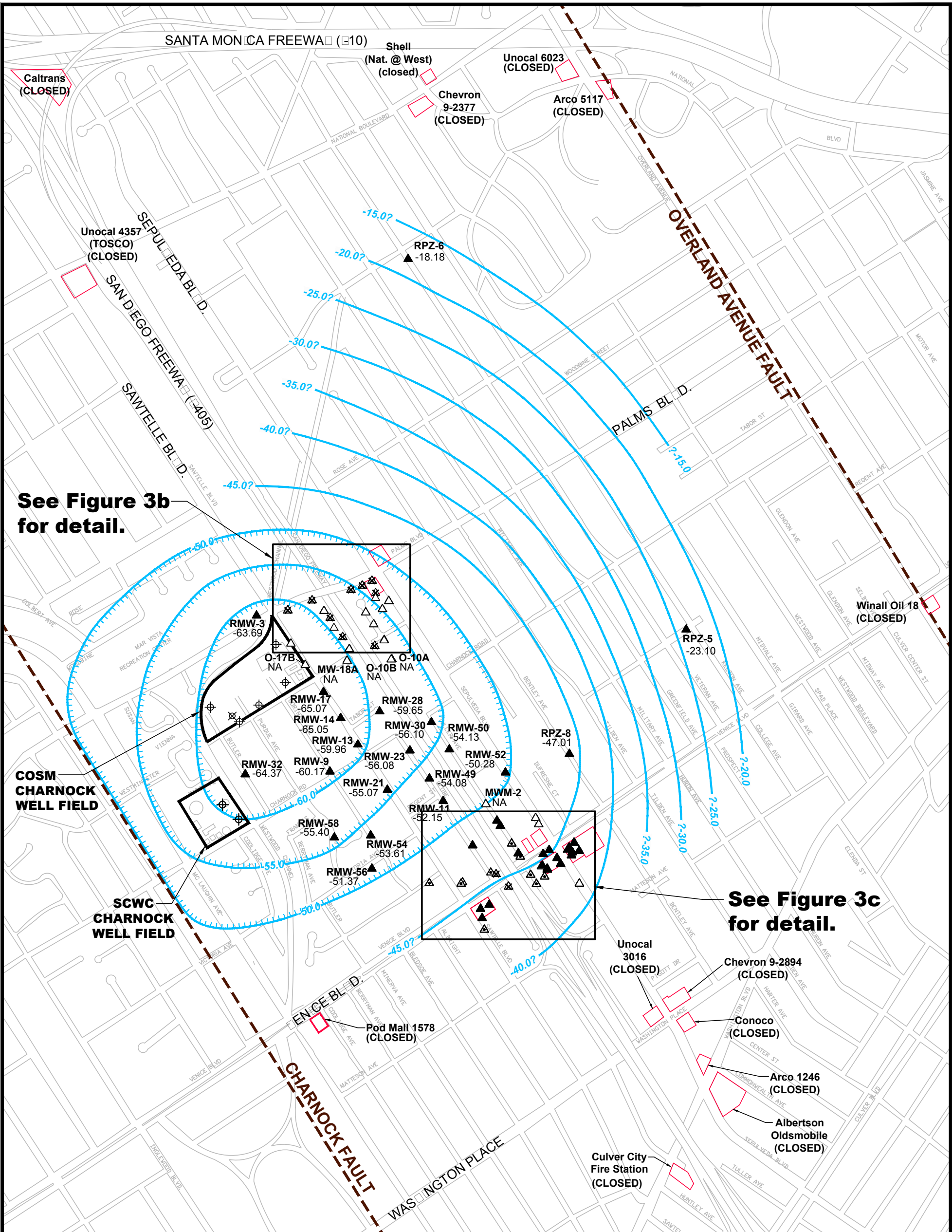
Date: 5/19/2020

Contract Number: 169001 2325-001

Approved:

Revised:

c:\DRAWINGS\169001231\2020 January\1690012325-001-GW-SIL-January 2020.dwg - Mon, 13 Jul 2020 - 2:55pm



EXPLANATION

Upper Silverado Aquifer Monitoring Well or Piezometer:

- ▲ -7.77 Measured in January 2020. Groundwater elevation in feet, MSL Datum
- △ NA January 2020 water level data not available
- ▲ Groundwater extraction well
- ⊕ Production Well
- ⊗ Destroyed Production Well
- ⊗ Destroyed Monitoring Well

--- Fault

□ Site

-10.0 Groundwater elevation contour in feet, MSL Datum. Shown unbroken for presentation clarity, but does not imply certainty. Queried where inferred.

(a) Groundwater elevation appears anomalous; not considered for contouring

(b) Charnock Well Field began operating in December 2010.

0 800
SCALE IN FEET



SOURCE: Charnock database, July 2020.

RAMBOLL

Potentiometric Surface Map - Upper Silverado Aquifer, January 2020
Charnock Sub-Basin; Los Angeles, California

Figure

3a

Drafter: RS

Date: 5/19/20

Contract Number: 169001 2325-001

Approved:

Revised:



Potentiometric Surface Map - Upper Silverado Aquifer, January 2020
Palms and Sepulveda Intersection Detail
 Charnock Sub-Basin; Los Angeles, California

Figure

3b

Drafter: RS

Date: 5/19/20

Contract Number:

169001 2325-001

Approved:

Revised:

Upper Silverado Aquifer
Monitoring Well or Piezometer:

▲
-9.21

Measured in January 2020
Groundwater elevation in
feet, MSL Datum.

 Extraction well

 Destroyed well

△ January 2020 water level
NA data not available

-3.0 — ? Groundwater elevation contour in feet, MSL Datum. Shown unbroken for presentation clarity, but does not imply certainty. Queried where inferred.

* Well screened in a deeper interval of the Upper Silverado Aquifer

(a) Groundwater elevation appears anomalous, not considered for contouring.

Site

NOTES:

1. Groundwater elevations in Mobil 18-FX5 wells were measured on March 2-3, 2020; not considered for contouring.
2. Groundwater elevations in Abram's Shell wells were measured on January 22, 2020.
3. Groundwater elevation in Exxon 7-9477 wells were measured on March 19-20, 2020; not considered for contouring.

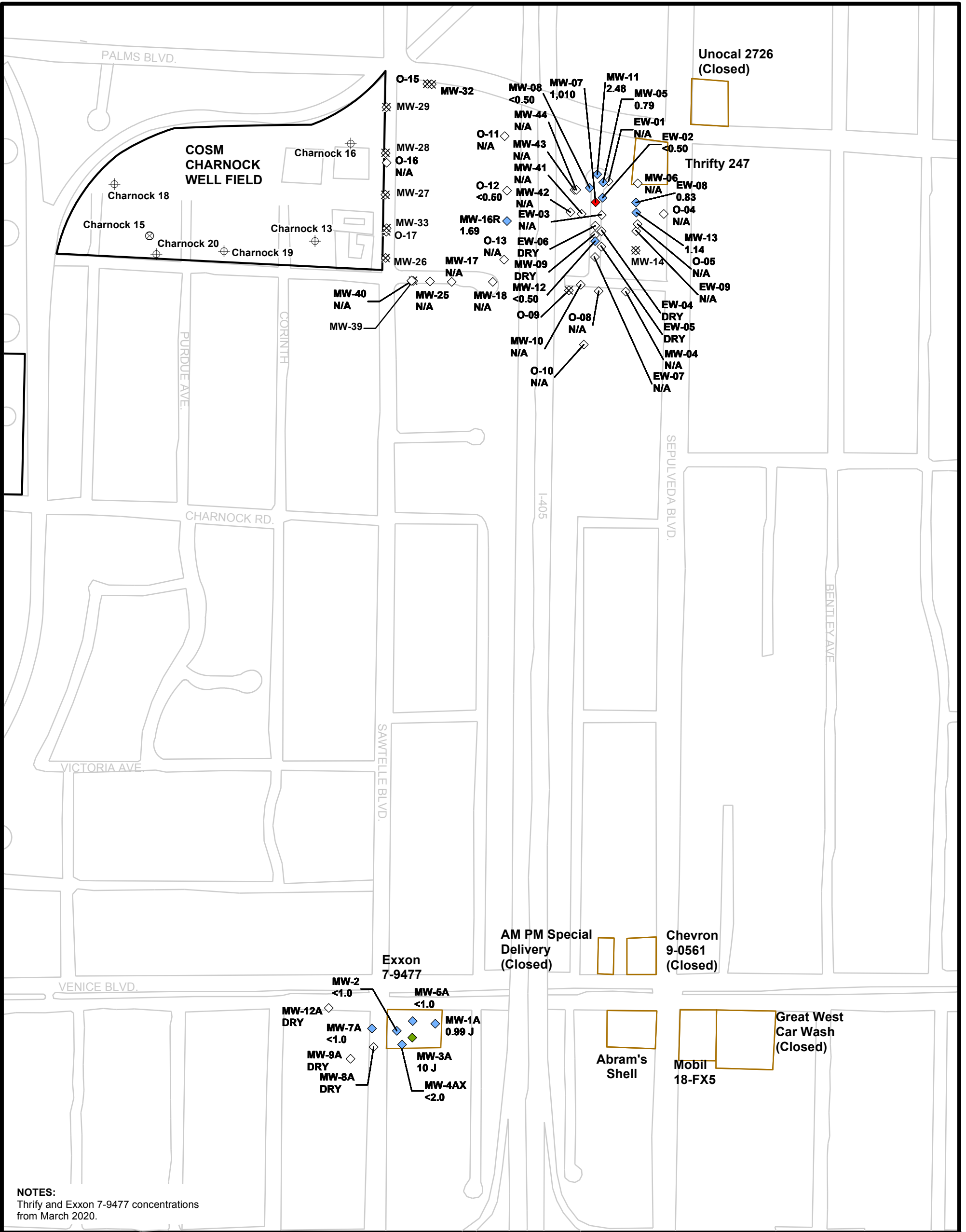
SOURCE: Charnock database,
July 2020.



N

Figure

3c



NOTES:
Thrifty and Exxon 7-9477 concentrations from March 2020.

SOURCE: Charnock Database, July 2020

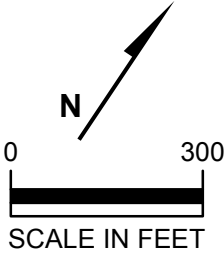
EXPLANATION

- ◆ Perched Zone Monitoring Well
- ⊕ Active Production Well
- ⊗ Destroyed Production Well
- Site

Concentration Ranges

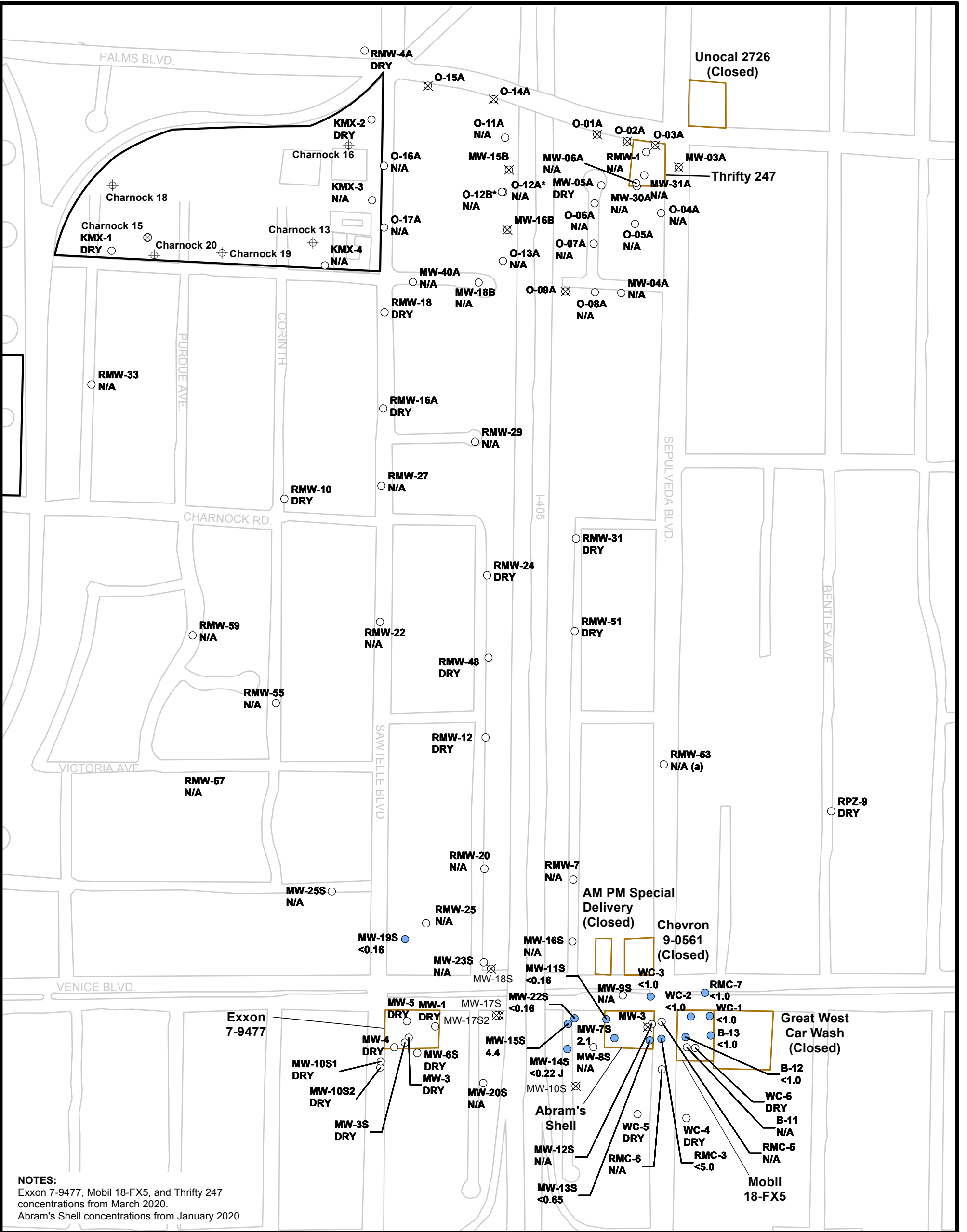
- ◆ Greater than 1,000 ug/L
- ◆ 100 - 1,000 ug/L
- ◆ 5 - 100 ug/L
- ◆ Less than 5 ug/L
- ◇ Concentration not available
- ◆ LNAPL Present

- <2 Not detected at or above the detection limit shown
- J Estimated value
- N/A Concentration for this quarter not available
- (a) Raised detection limit
- Dry Insufficient water to sample
- NS Not sampled; free product in well



MTBE - Perched Zones, January 2020
Charnock Sub-Basin; Los Angeles, California

Figure
4a



NOTES:
Exxon 7-9477, Mobil 18-FX5, and Thrifty 247
concentrations from March 2020.
Abram's Shell concentrations from January 2020.

EXPLANATION

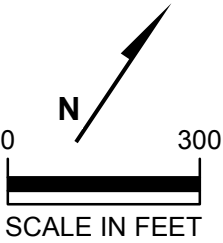
- Shallow Aquifer Monitoring Well
- Shallow Aquifer Extraction Well
- Destroyed
- MTBE Concentration Contour in ug/L
- Site

Concentration Ranges

- Greater than 1,000 ug/L
- 100 - 1,000 ug/L
- 5 - 100 ug/L
- Less than 5 ug/L
- Concentration not available
- Active Production Well
- Destroyed Production Well

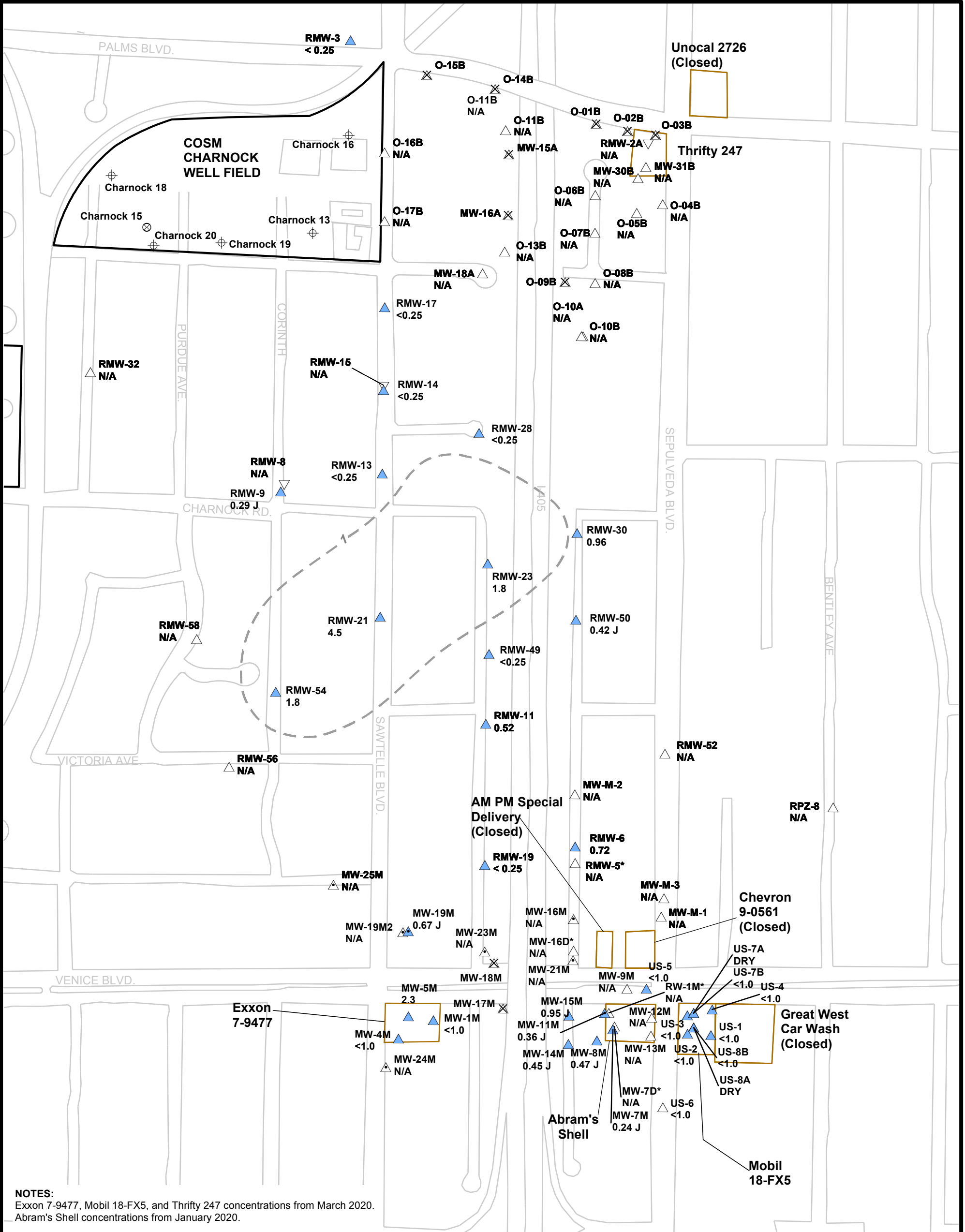
- <2
- U, V, or X
- J
- N/A
- *
- Dry
- (a)
- Not detected at or above the detection limit shown
- Less than the value shown
- Estimated value
- Concentration for this quarter not available
- Well O-12A is screened from 100.9 feet to 110.9 feet bgs.
- Well O-12B is screened at the base of the Shallow Aquifer from 155.7 feet to 165.7 feet bgs.
- Insufficient water to sample
- Groundwater has become perched at this location.

SOURCE: Charnock Database, July 2020



MTBE - Shallow Aquifer, January 2020
Charnock Sub-Basin; Los Angeles, California

Figure
4b



NOTES:
Exxon 7-9477, Mobil 18-FX5, and Thrifty 247 concentrations from March 2020.
Abram's Shell concentrations from January 2020.

EXPLANATION

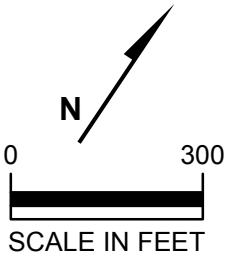
- ▲ Upper Silverado Aquifer Monitoring Well
- ▲ Upper Silverado Aquifer Extraction Well
- ▼ Lower Silverado Aquifer Monitoring Well
- ✕ Destroyed
- 5 MTBE Concentration Contour in ug/L
- Site

Concentration Ranges

- Greater than 1,000 ug/L
- 100 - 1,000 ug/L
- 5 - 100 ug/L
- Less than 5 ug/L
- Concentration not available
- Active Production Well
- Destroyed Production Well

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentration for this quarter not available
- * Well is screened in a deeper interval of the Upper Silverado Aquifer
- Dry Insufficient water to sample

SOURCE: Charnock Database, July 2020

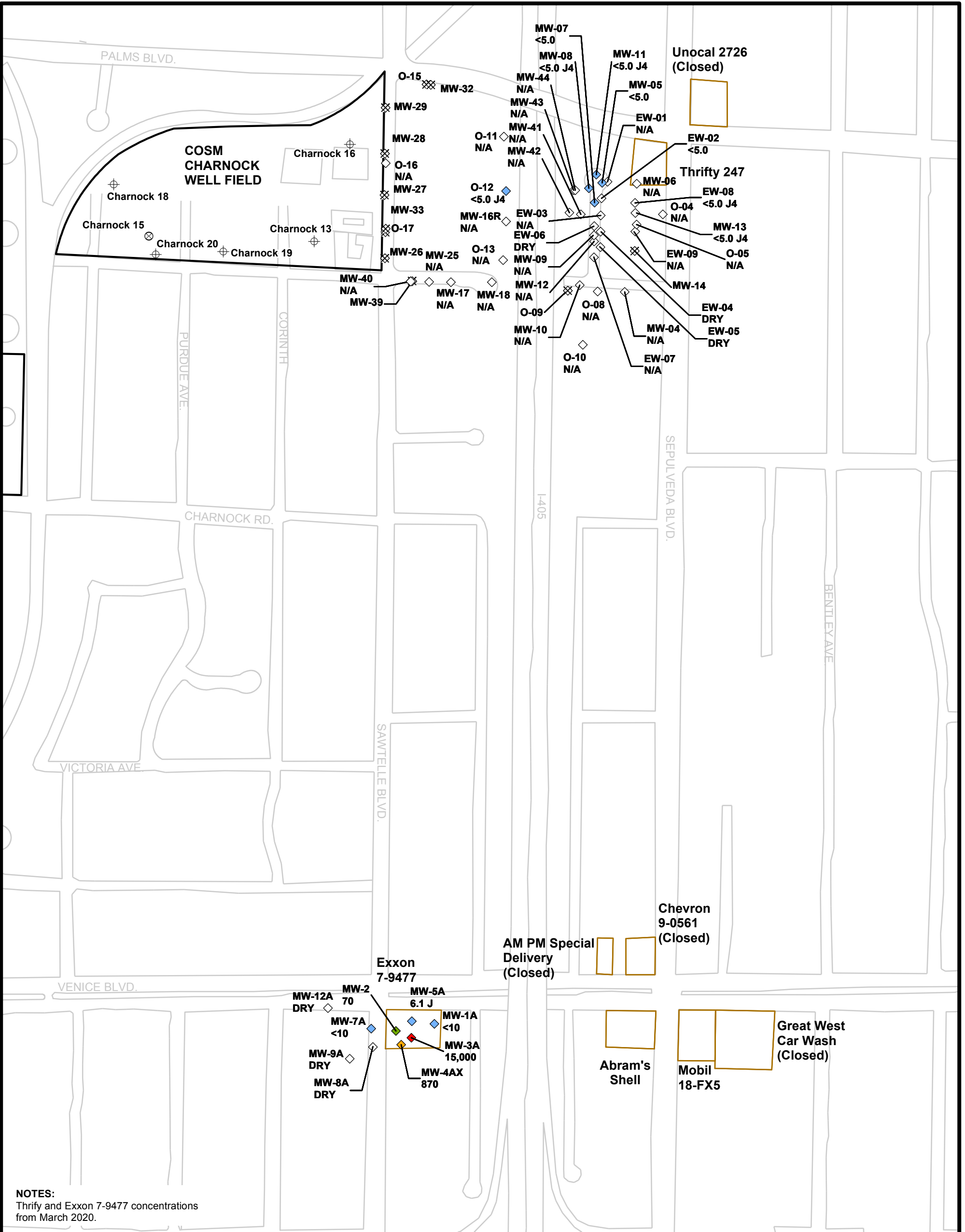


RAMBOLL

MTBE - Silverado Aquifer, January 2020
Charnock Sub-Basin; Los Angeles, California

Figure
4c

Drafter: AR Date: 7/13/2020 Contract Number: 169001 2325-001 Approved: Revised:



NOTES:
Thrifty and Exxon 7-9477 concentrations
from March 2020.

EXPLANATION

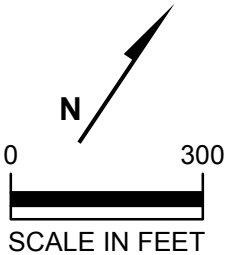
- ◆ Perched Zone Monitoring Well
- ✕ Destroyed
- ⊕ Active Production Well
- ⊗ Destroyed Production Well
- Site

Concentration Ranges

- ◆ Greater than 1,000 ug/L
- ◆ 100 - 1,000 ug/L
- ◆ 10 - 100 ug/L
- ◆ Less than 10 ug/L
- ◇ Concentration not available
- ◆ LNAPL Present

- <2 Not detected at or above the detection limit shown
- J Estimated value
- J4 The associated batch QC was outside the established quality control range for accuracy
- N/A Concentration for this quarter not available
- (a) Raised detection limit
- Dry Insufficient water to sample
- NS Not sampled; free product in well

SOURCE: Charnock Database,
July 2020

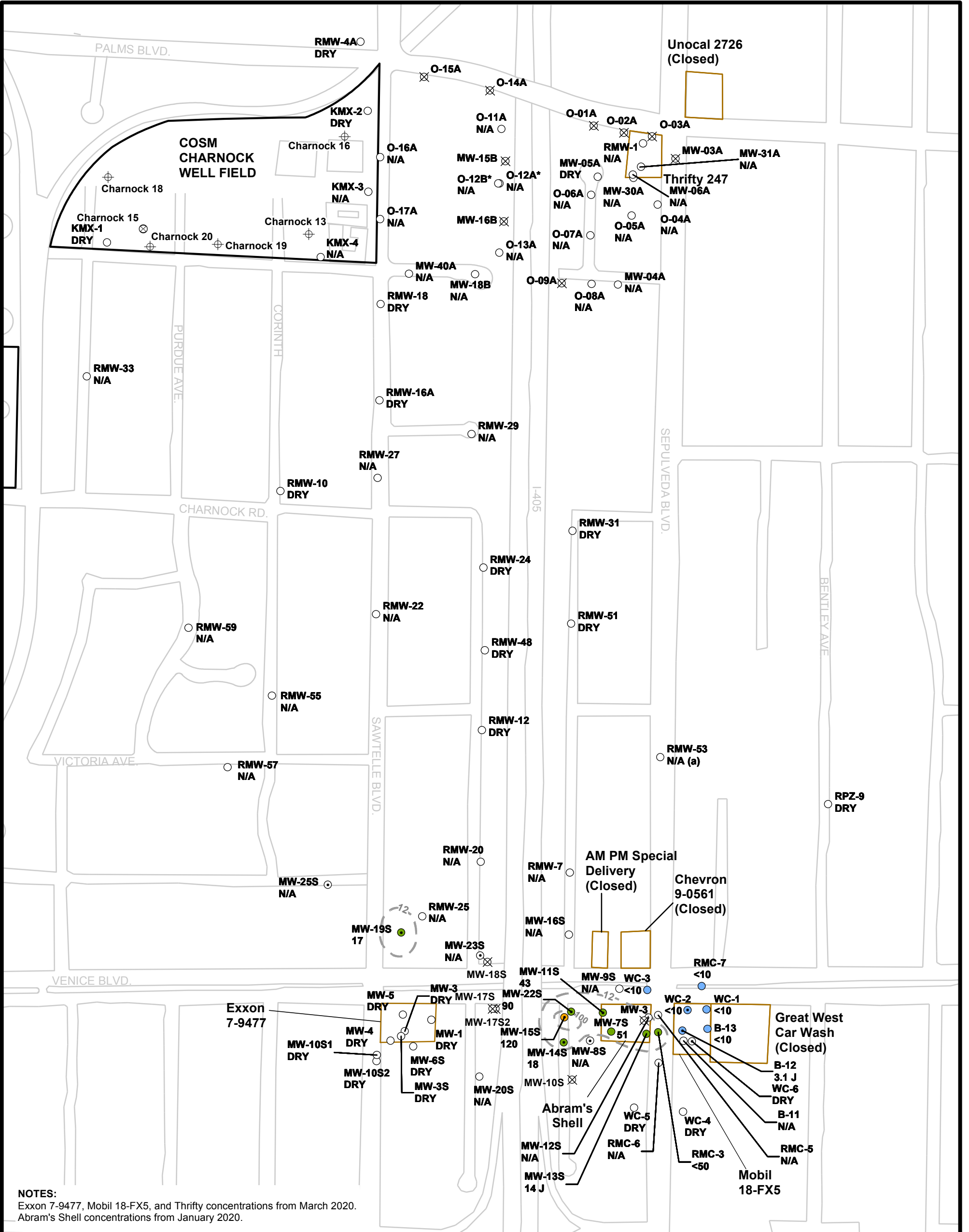


RAMBOLL

TBA - Perched Zones, January 2020
Charnock Sub-Basin; Los Angeles, California

Figure
5a

Drafter: ME Date: 6/19/2020 Contract Number: 169001 2325-001 Approved: Revised:



NOTES:
Exxon 7-9477, Mobil 18-FX5, and Thrifty concentrations from March 2020.
Abram's Shell concentrations from January 2020.

EXPLANATION

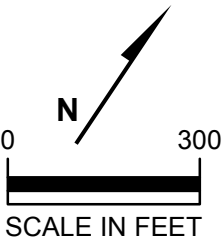
- Shallow Aquifer Monitoring Well
- ⊕ Shallow Aquifer Extraction Well
- ✕ Destroyed
- - - 12 TBA Concentration Contour in ug/L
- Site

Concentration Ranges

- Greater than 1,000 ug/L
- 100 - 1,000 ug/L
- 10 - 100 ug/L
- Less than 10 ug/L
- Concentration not available
- ⊕ Active Production Well
- ✕ Destroyed Production Well

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentration for this quarter not available
- * Well O-12A is screened from 100.9 feet to 110.9 feet bgs. Well O-12B is screened at the base of the Shallow Aquifer from 155.7 feet to 165.7 feet bgs. Insufficient water to sample
- Dry Groundwater has become perched at this location
- (a)

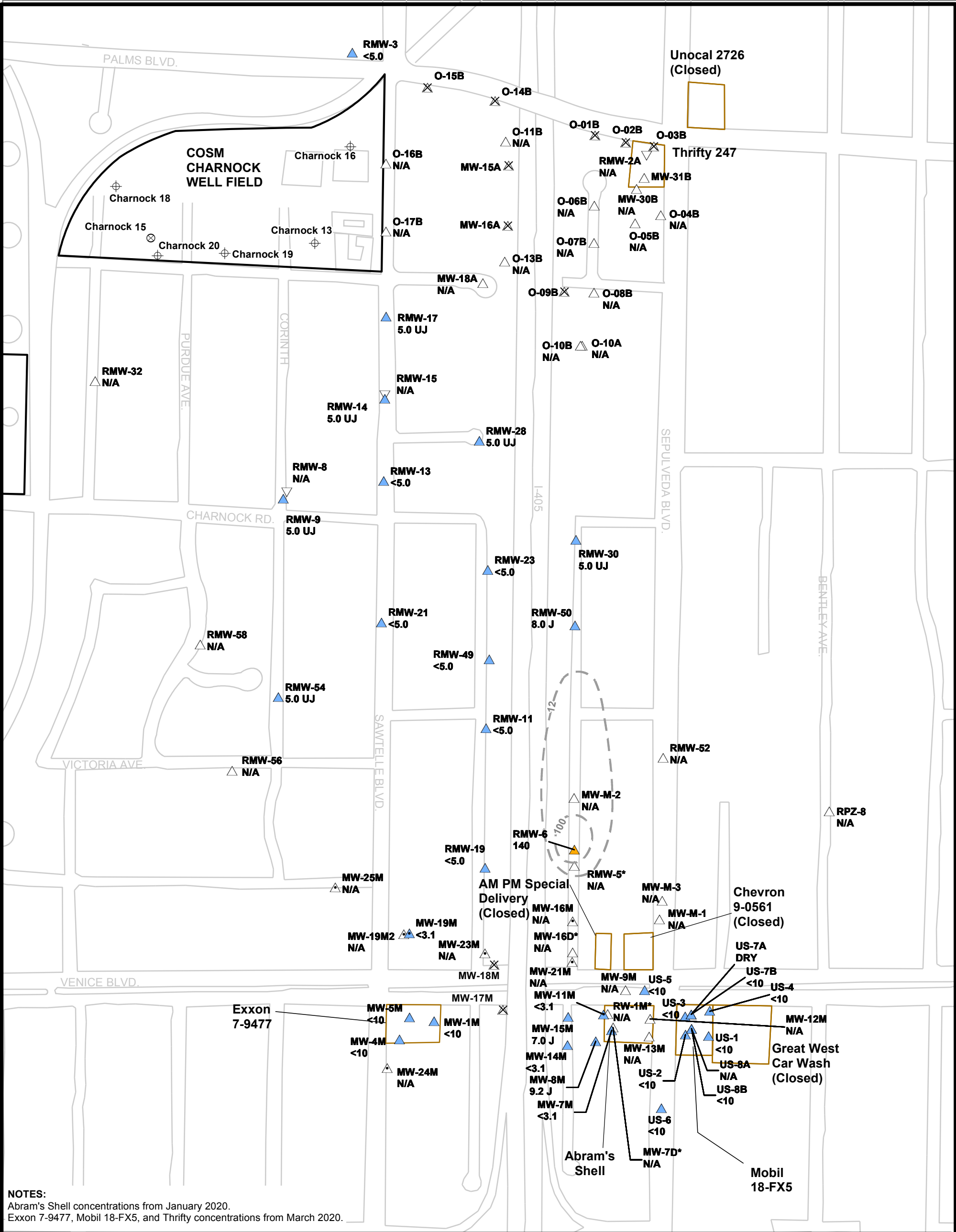
SOURCE: Charnock Database, July 2020



TBA - Shallow Aquifer, January 2020
Charnock Sub-Basin; Los Angeles, California

Figure
5b

Drafter: ME Date: 7/13/2020 Contract Number: 169001 2325-001 Approved: Revised:



NOTES:
Abram's Shell concentrations from January 2020.
Exxon 7-9477, Mobil 18-FX5, and Thrifty concentrations from March 2020.

EXPLANATION

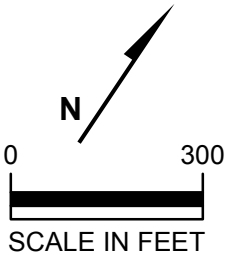
- ▲ Upper Silverado Aquifer Monitoring Well
- ▲ Upper Silverado Aquifer Extraction Well
- ▼ Lower Silverado Aquifer Monitoring Well
- ✕ Destroyed
- - - 12 TBA Concentration Contour in $\mu\text{g/L}$
- Site

Concentration Ranges

- ▲ Greater than 1,000 $\mu\text{g/L}$
- ▲ 100 - 1,000 $\mu\text{g/L}$
- ▲ 10 - 100 $\mu\text{g/L}$
- ▲ Less than 10 $\mu\text{g/L}$
- △ Concentration not available
- ⊕ Active Production Well
- ⊗ Destroyed Production Well

- <2 Not detected at or above the detection limit shown
- U, V, or X Less than the value shown
- J Estimated value
- N/A Concentration for this quarter not available
- * Well is screened in a deeper interval of the Upper Silverado Aquifer
- Dry Insufficient water to sample

SOURCE: Charnock Database, July 2020,



RAMBOLL

TBA - Silverado Aquifer, January 2020
Charnock Sub-Basin; Los Angeles, California

Figure
5c

Drafter: ME Date: 7/13/2020 Contract Number: 169001 2325-001 Approved: Revised:

APPENDIX A

Field Parameters Measured During Groundwater Sampling

FIELD PARAMETERS MEASURED DURING GROUNDWATER SAMPLING
January 2020
Charnock Sub-Basin; Los Angeles, California

Well No.	Date	Volume Purged (mL) ²	pH	SEC ¹ (ms/cm) ³	Temperature (°C) ⁴	Dissolved Oxygen (mg/L)	ORP (MV)	Turbidity (NTU) ⁵	Remarks
RMW-3	1/24/20	450	7.07	1.39	15.8	5.80	154.0	122	Purged and sampled with low-flow methods using disposable tubing. <u>Duration of purging:</u> 45 minutes
		900	7.03	1.29	16.9	5.65	114.8	101	
		1350	7.00	1.29	17.2	5.60	106.4	73	
		1800	6.98	1.29	17.3	5.78	97.8	55	
		2250	6.97	1.29	17.4	6.01	91.7	48	
		2700	6.96	1.29	17.6	6.03	88.9	42	
		3150	6.96	1.29	17.8	6.06	86.4	39	
		3600	6.97	1.29	17.9	6.18	85.4	34	
		4050	6.98	1.29	18.0	6.24	84.6	30	
		4500	6.98	1.29	18.1	6.31	84.0	24	
		4950	6.99	1.30	18.1	6.36	83.2	20	
		5400	7.00	1.30	18.1	6.39	83.4	22	
		5850	7.00	1.30	18.1	6.43	82.7	24	
		6300	7.01	1.30	18.1	6.46	82.4	23	
RMW-6	1/23/20	600	7.09	1.31	20.8	1.99	69.0	23	Purged and sampled with low-flow methods using disposable tubing. <u>Duration of purging:</u> 24 minutes
		1200	7.00	1.32	20.8	1.31	69.8	18	
		1800	6.96	1.32	20.8	0.88	71.4	14	
		2400	6.92	1.33	20.8	0.64	70.5	10	
		3000	6.90	1.33	20.8	0.55	70.3	8	
		3600	6.88	1.35	20.8	0.48	70.0	6	
		4200	6.88	1.35	20.8	0.45	70.2	6	
		4800	6.88	1.35	20.8	0.43	70.2	6	
RMW-9	1/22/20	900	7.20	1.80	20.6	1.15	82.2	1	Purged and sampled with low-flow methods using disposable tubing. <u>Duration of purging:</u> 21 minutes
		1800	7.18	1.80	20.8	0.92	76.9	1	
		2700	7.16	1.80	21.0	0.78	73.5	1	
		3600	7.14	1.80	21.0	0.81	72.7	1	
		4500	7.12	1.80	21.0	0.83	72.0	1	
		5400	7.11	1.80	21.0	0.86	73.1	1	
		6300	7.10	1.80	21.0	0.89	74.0	1	
RMW-11	1/23/20	600	7.31	1.28	22.6	4.48	96.7	25	Purged and sampled with low-flow methods using disposable tubing. <u>Duration of purging:</u> 30 minutes
		1200	7.26	1.29	23.0	2.97	89.2	20	
		1800	7.20	1.30	23.4	1.90	85.8	16	
		2400	7.14	1.30	22.9	1.44	83.1	12	
		3000	7.10	1.30	23.0	1.67	82.7	10	
		3600	7.07	1.31	23.1	1.89	83.0	4	
		4200	7.03	1.32	23.1	2.00	82.5	4	
		4800	7.00	1.33	23.1	2.12	82.7	4	
		5400	6.99	1.33	23.1	2.20	82.3	4	
		6000	6.98	1.34	23.1	2.24	82.0	4	
RMW-13	1/24/20	600	7.02	1.90	19.3	4.79	76.4	38	Purged and sampled with low-flow methods using disposable tubing. <u>Duration of purging:</u> 27 minutes
		1200	6.96	1.97	19.6	2.44	75.4	30	
		1800	6.83	1.98	19.6	1.35	74.2	25	
		2400	6.79	1.98	19.6	1.48	73.5	20	
		3000	6.76	1.99	19.6	1.67	72.9	14	
		3600	6.73	1.99	19.6	1.85	71.8	10	
		4200	6.71	1.99	19.6	1.95	71.4	8	
		4800	6.70	1.99	19.6	2.00	70.8	8	
		5400	6.68	1.99	19.6	2.03	70.3	7	

FIELD PARAMETERS MEASURED DURING GROUNDWATER SAMPLING
January 2020
Charnock Sub-Basin; Los Angeles, California

Well No.	Date	Volume Purged (mL) ²	pH	SEC ¹ (ms/cm) ³	Temperature (°C) ⁴	Dissolved Oxygen (mg/L)	ORP (MV)	Turbidity (NTU) ⁵	Remarks
RMW-14	1/21/20	450	7.94	0.26	20.0	0.89	68.9	661	Purged and sampled with low-flow methods using disposable tubing. <u>Duration of purging:</u> 36 minutes
		900	7.88	0.26	19.8	0.80	64.1	438	
		1350	7.83	0.26	19.8	0.73	60.7	389	
		1800	7.78	0.25	19.8	0.70	61.4	338	
		2250	7.74	0.25	19.8	0.67	61.2	299	
		2700	7.71	0.25	19.8	0.71	61.2	266	
		3150	7.69	0.25	19.8	0.75	62.4	248	
		3600	7.68	0.25	19.8	0.78	64.0	230	
		4050	7.66	0.24	19.8	0.82	67.0	216	
		4500	7.65	0.24	19.8	0.86	68.3	218	
		4950	7.64	0.24	19.8	0.90	69.0	212	
		5400	7.64	0.24	19.8	0.93	69.6	208	
RMW-17	1/21/20	600	8.00	0.16	19.2	1.56	82.9	362	Purged and sampled with low-flow methods using disposable tubing. <u>Duration of purging:</u> 27 minutes
		1200	8.02	0.16	19.5	1.19	79.7	218	
		1800	8.04	0.16	19.5	1.02	77.5	155	
		2400	8.06	0.16	19.5	0.88	76.8	149	
		3000	8.07	0.16	19.5	0.91	76.0	141	
		3600	8.08	0.16	19.4	0.93	74.3	143	
		4200	8.09	0.16	19.4	0.97	74.9	139	
		4800	8.09	0.16	19.3	1.01	74.6	136	
		5400	8.09	0.16	19.3	1.06	75.1	133	
RMW-19	1/23/20	600	7.18	1.33	19.0	2.12	82.9	28	Purged and sampled with low-flow methods using disposable tubing. <u>Duration of purging:</u> 30 minutes
		1200	7.12	1.33	19.0	1.67	71.8	14	
		1800	7.08	1.33	19.2	1.30	66.4	10	
		2400	7.07	1.33	19.8	0.99	61.7	6	
		3000	7.06	1.33	20.3	0.80	57.8	4	
		3600	7.03	1.33	20.4	0.89	54.8	2	
		4200	7.00	1.32	20.4	0.99	51.4	2	
		4800	6.98	1.32	20.4	1.12	49.6	1	
		5400	6.97	1.32	20.3	1.16	47.4	1	
		6000	6.96	1.32	20.3	1.19	46.1	1	
RMW-21	1/24/20	600	6.98	1.42	20.6	8.62	75.3	48	Purged and sampled with low-flow methods using disposable tubing. <u>Duration of purging:</u> 40 minutes
		1200	6.94	1.43	20.6	3.86	72.1	40	
		1800	6.92	1.43	20.6	2.48	69.4	30	
		2400	6.89	1.44	20.6	1.52	66.1	24	
		3000	6.85	1.58	20.6	1.39	64.0	20	
		3600	6.83	1.66	20.6	1.24	63.4	16	
		4200	6.81	1.79	20.6	1.00	62.9	12	
		4800	6.79	1.78	20.7	1.12	62.6	10	
		5400	6.77	1.78	20.7	1.19	62.3	10	
		6000	6.78	1.78	20.5	1.23	62.8	8	
		6600	6.78	1.78	20.5	1.28	63.1	8	
		7200	6.78	1.78	20.5	1.31	63.4	8	
RMW-23	1/23/20	450	6.91	1.78	22.8	8.67	91.7	18	Purged and sampled with low-flow methods using disposable tubing. <u>Duration of purging:</u> 21 minutes
		900	6.88	1.78	22.9	8.01	88.4	12	
		1350	6.85	1.78	23.0	7.33	87.0	8	
		1800	6.84	1.78	23.0	7.39	85.8	4	
		2250	6.84	1.78	22.8	7.59	84.4	2	
		2700	6.83	1.78	22.7	7.67	83.3	2	
		3150	6.83	1.78	22.8	7.64	82.8	2	

FIELD PARAMETERS MEASURED DURING GROUNDWATER SAMPLING
January 2020
Charnock Sub-Basin; Los Angeles, California

Well No.	Date	Volume Purged (mL) ²	pH	SEC ¹ (ms/cm) ³	Temperature (°C) ⁴	Dissolved Oxygen (mg/L)	ORP (MV)	Turbidity (NTU) ⁵	Remarks
RMW-28	1/21/20	600	7.64	1.15	20.6	9.95	102.5	9	Purged and sampled with low-flow methods using disposable tubing.
		1200	7.62	1.26	21.1	4.68	95.4	7	
		1800	7.62	1.26	21.3	4.31	93.6	5	
		2400	7.62	1.26	21.4	4.12	92.0	5	
		3000	7.61	1.26	21.3	3.84	91.4	3	
		3600	7.61	1.26	21.3	3.61	90.2	3	<u>Duration of purging:</u> 24 minutes
		4200	7.61	1.26	21.2	3.67	90.0	3	
		4800	7.61	1.26	21.2	3.74	90.7	3	
RMW-30	1/22/20	450	7.88	1.15	20.8	1.77	83.6	446	Purged and sampled with low-flow methods using disposable tubing.
		900	7.84	1.16	20.9	1.48	81.1	108	
		1350	7.82	1.16	20.9	1.67	80.1	36	
		1800	7.79	1.15	20.9	1.78	79.6	18	
		2250	7.77	1.15	20.8	1.87	80.1	12	
		2700	7.76	1.15	20.8	1.96	81.4	8	<u>Duration of purging:</u> 24 minutes
		3150	7.75	1.15	20.8	2.01	82.6	7	
		3600	7.75	1.15	20.8	2.04	83.8	8	
RMW-49	1/23/20	600	6.94	1.54	23.0	2.22	88.4	35	Purged and sampled with low-flow methods using disposable tubing.
		1200	6.88	1.56	23.4	1.79	85.7	20	
		1800	6.80	1.55	23.1	1.84	85.0	12	
		2400	6.76	1.55	23.0	1.87	83.9	8	
		3000	6.68	1.54	22.9	1.89	84.7	4	<u>Duration of purging:</u> 27 minutes
		3600	6.66	1.53	22.9	1.96	83.9	2	
		4200	6.64	1.53	22.9	2.08	83.1	2	
		4800	6.63	1.53	22.9	2.10	82.8	2	
RMW-50	1/22/20	5400	6.63	1.53	22.9	2.14	82.0	2	Purged and sampled with low-flow methods using disposable tubing.
		600	7.71	0.11	20.9	5.00	83.5	9	
		1200	7.69	0.11	20.9	3.22	82.1	6	
		1800	7.66	0.12	20.8	2.05	78.9	2	
		2400	7.64	0.12	20.7	1.89	77.4	2	
		3000	7.62	0.13	20.7	1.77	75.1	1	<u>Duration of purging:</u> 21 minutes
		3600	7.61	0.13	20.7	1.84	74.7	1	
		4200	7.60	0.13	20.7	1.80	75.4	1	
RMW-54	1/22/20	450	7.28	1.77	18.9	1.45	81.3	38	Purged and sampled with low-flow methods using disposable tubing.
		900	7.24	1.78	19.0	1.01	76.9	23	
		1350	7.21	1.79	19.1	0.95	75.1	18	
		1800	7.19	1.79	19.1	0.88	73.4	14	
		2250	7.18	1.80	19.1	0.75	71.2	10	
		2700	7.17	1.80	19.2	0.68	70.0	11	<u>Duration of purging:</u> 24 minutes
		3150	7.17	1.80	19.3	0.66	68.6	11	
		3600	7.17	1.80	19.3	0.64	67.1	10	

Notes:

- (1) SEC = specific electrical conductance
- (2) mL = milliliters. Volumes are calculated by purge rate.
- (3) ms/cm = millisiemens per centimeter
- (4) °C = degrees Celsius
- (5) NTU = nephelometric turbidity unit
- "--" means not measured

APPENDIX B

Ramboll Protocol: Water Level, Well Depth, and Separate-Phase Hydrocarbon Measurements

PROTOCOL

**WATER LEVEL, WELL DEPTH, AND
SEPARATE-PHASE HYDROCARBON MEASUREMENTS**

1.0 INTRODUCTION

This protocol describes the procedures to be followed during water level, well depth, and separate-phase hydrocarbon (SPH) measurements. The procedures presented herein are intended to be of general use and may be supplemented by a work plan and/or health and safety plan. As the work progresses, and if warranted, appropriate revisions may be made by the project manager. Detailed procedures in this protocol may be superseded by applicable regulatory requirements.

2.0 WATER LEVEL AND WELL DEPTH MEASUREMENTS

A FIELD INVESTIGATION DAILY LOG will be completed for each day of fieldwork. Water levels will be recorded on a WATER LEVEL MEASUREMENT LOG and/or WATER PURGING AND SAMPLING LOG. Following review by the project manager, the original records will be kept in the project files.

Water level measurements at a site will be taken as quickly as practically possible, to best represent the potentiometric surface across the site at a single time. If pressure is suspected or if pressure has developed inside the well casing, the well will be allowed to stand without a cap for a few minutes until the water level stabilizes before taking a water level measurement. Water level measurements will be recorded to the nearest hundredth (0.01) of a foot, and well depth measurements will be noted to at least the nearest half (0.5) of a foot. Equipment placed in the wells for water level and well depth measurements will be cleaned prior to use and reuse, as discussed in Section 4.0. Care will be taken not to drop foreign objects into the wells and not to allow the tape or sounding device to touch the ground during monitoring.

2.1 WATER LEVEL MEASUREMENTS

Water level measurements will be performed by one of the following methods:

A. Electric Sounder Method

An electric sounder consists of a contact electrode suspended by an insulated electric cable from a reel that has an ammeter, a buzzer, a light, or other closed circuit indicator attached. The indicator shows a closed circuit and flow of current when the electrode touches the water surface. Electric sounders will be calibrated periodically by measuring each interval and remarking them where necessary.

The procedure for measuring water levels with an electric sounder is as follows:

1. Turn sounder on and check that its indicator is working.
2. Lower the electric sounder cable into the well until the ammeter or buzzer indicates a closed circuit. Raise and lower the electric cable slightly until the shortest length of cable that gives the maximum response on the indicator is found.
3. With the cable in this fixed position, note the length of cable at the top of well casing.
4. If the electric cable is not graduated between foot markings, use a pocket steel tape measure (graduated in hundredths of a foot) to interpolate between consecutive marks. Care must be taken to ensure that the tape measurements are subtracted from the graduated mark footage value when the water level hold point (determined in Step 3) is below the graduated mark and added when it is above the mark. Record the resulting value as depth to ground water on the WATER LEVEL MEASUREMENT LOG and/or WATER PURGING AND SAMPLING LOG.

2.2 WELL DEPTH MEASUREMENTS

The depth of a well will be measured by sounding with either a weighted steel surveying tape or a weighted electric sounding line. Procedures to be followed are described below.

1. Measure the distance between the zero mark on the end of the measuring line and the bottom of the weight.
2. Lower the weighted measuring line into the well until the line becomes slack or there is a noticeable decrease in weight, which indicates that the line is touching the bottom of the well. Raise the line slowly until it becomes taut (this may have to be done several times to determine the taut point) and, with the line in this fixed position, note the reading at the top of well casing. Add the distance described in Step A to this reading, and record the resulting value as well depth. This procedure will be performed before and after initial well development or as necessary to determine well casing depth.
3. Record the well depth value on the WATER LEVEL MEASUREMENT LOG and/or WATER PURGING AND SAMPLING LOG.

3.0 SEPARATE-PHASE HYDROCARBON (SPH) MEASUREMENTS

SPH level/thickness will be measured using an interface probe or steel tape and paste. The electric sounder and bailer method is limited to checking the wells for the presence or absence of SPH. Procedural details are provided below.

All SPH level measurements shall be recorded to the nearest hundredth of a foot (0.01-foot). Equipment placed in the wells for floating product level measurement will be cleaned prior to use and reuse, as discussed in Section 4.0. Care will be taken not to drop foreign objects into the wells and not to allow the tape or measuring device to touch the ground during monitoring.

3.1 INTERFACE PROBE METHOD

The SPH-water interface probe consists of an electrode suspended by a graduated tape from a reel that has a light and two-toned audible signals. Audible and visual signals occur when the electrode touches the SPH surface and then the water surface.

The procedure for measuring SPH levels using the interface probe is as follows:

1. Turn the interface meter on, and check that it is working.
2. Lower the interface meter into the well slowly until the meter signals an interface. Note if the interface is oil or water.
3. Raise and lower the meter slightly until the shortest length of cable that gives the maximum response on the meter is found.
4. With the cable in this fixed position, note the length of cable at the top of well casing.
5. If the interface recorded above was oil, slowly lower the meter until a water interface signal is given.
6. Repeat steps 3 and 4 above, recording the depth to water and depth to free product on the WATER LEVEL MEASUREMENT LOG.
7. Turn the probe off and store in a case after cleaning.

3.2 ELECTRIC SOUNDER AND BAILER METHOD

The procedure for checking present of SPH using an electric sounder and an acrylic bailer is as follows:

1. Measure the water level with the electric sounder as described in Section 2.1.

2. Suspend a clean acrylic bailer on a clean line and slowly lower the bailer into the well until it partially intersects the groundwater surface.
3. Slowly pull the bailer to the surface.
4. Let the bailer stand for several minutes.
5. Observe the surface of the water within the bailer. Measure the thickness of the SPH in the bailer to the nearest 0.01-foot and record the value on the WATER LEVEL MEASUREMENT LOG. If the SPH is less than 0.01 foot thick, the amount should be recorded as less than 0.01 foot. If sheen is observed or if no SPH is observed, these observations should be recorded.

4.0 EQUIPMENT CLEANING

Steel tapes, electric well sounders, and acrylic bailers will be cleaned after measurements in each well. Cleaning procedures will be as follows:

1. Wipe visible product from equipment with disposable towels. Rinse probe or portion of instrument that was immersed in well water with a solution of laboratory-grade alconox detergent and deionized water.
2. Rinse with deionized water.
3. Dry with a clean paper towel.
4. The interface probe may also be cleaned with acetone at this stage.

Decontamination and cleaning rinsate will be collected and stored on site for future disposal by the client, unless other arrangements have been made.

Attachments: Field Investigation Daily Log
Water Purging and Sampling Log
Water Level Measurement Log

FIELD INVESTIGATION DAILY LOG

PRELIMINARY FIELD DRAFT - REVIEW PENDING

PROJECT LOCATION: _____ DATE: _____

VISITORS/SUBCONTRACTORS: _____

Reviewed By (name/signature): _____ Date: _____

PROJECT NAME: _____ FIELD PERSON: _____
PROJECT NUMBER: _____ PROJECT MANAGER: _____
PROJECT LOCATION: _____ DATE: _____

PURGING/SAMPLING METHOD:		WELL NUMBER:
EQUIPMENT CLEANING METHOD:		CASING RADIUS:_____ (in.)
PURGE WATER DISPOSAL:		TOTAL DEPTH (TD):_____ (ft.)
		DEPTH TO WATER (DTW):_____ (ft.)
		CASING VOLUME:_____ (gal.)
GALLONS PURGED:	CASING VOLUMES:	$(TD-DTW)(CR)^2(.163)=$
		_____WELL VOLUMES:_____ (gal.)

PURGE START TIME:	PURGE RATE (GPM):
-------------------	-------------------

[illegible]

PURGE STOP TIME:	FINAL DTW:	@	80% =
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LAB NAME:	SAMPLE ID:
-----------	------------

OBSERVATIONS/COMMENTS:

PUMP SET AT = FEET



2200 Powell Street, Suite 700
Emeryville, California 94608
(510) 655-7400
Fax (510) 655-9517

PAGE _____ of _____

WATER LEVEL MEASUREMENT LOG

PRELIMINARY FIELD DRAFT REVIEW PENDING

PROJECT NAME: _____ MEASUREMENT DATE: _____

CONTRACT NUMBER: _____ FIELD PERSON: _____

SERIAL NUMBER

LAST CALIBRATION DATE

MEASURING POINTS AND DATUM USED:

[illegible]

APPENDIX C

Ramboll Protocol: Sampling Groundwater Monitoring Wells

"LOW-FLOW" GROUNDWATER SAMPLING PROTOCOL

1. INTRODUCTION

This protocol describes the procedures to be followed during collection of "low-flow" groundwater samples using bladder pumps. These tools and methods minimize the impact the purging process has on the groundwater chemistry and the volume of water that is being purged and disposed of during sample collection. They are generally used to collect groundwater samples for chemical analysis during groundwater screening programs, and in some cases to measure water levels or pore pressure at discrete depths.

The procedures presented herein are intended to be of general use and, where necessary, may be supplemented by a work plan and/or health and safety plan. As the work progresses, and if warranted, appropriate revisions may be made by the project manager. Detailed procedures in this protocol may be superseded by applicable agency requirements.

2. SAMPLING METHODS

Groundwater Sampling will be conducted on a quarterly basis using the United States Environmental Protection Agency (USEPA) "Standard Operating Procedure for Low-Stress (Low Flow)/Minimal Drawdown Ground-Water Sample Collection" (SOP), dated 2002. Pertinent sections of the SOP have been summarized in the sections that follow. The SOP can be found on-line at the USEPA website as "Attachment 3" of the "Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers."

http://www.epa.gov/swertio1/tsp/download/gw_sampling_guide.pdf

The methodology described herein is also consistent with the California Environmental Protection Agency's (Cal-EPA), "Representative Sampling of Groundwater for Hazardous Substances, Guidance Manual for Groundwater Investigations," dated June 2005. This document was provided by DTSC to ENVIRON; a link could not be found at the DTSC web site.

2.1 Sample Collection

The methods described in this section are for purging and sampling monitoring wells with dedicated or non-dedicated equipment (e.g., bladder pumps with adjustable rate controls). When possible, the purging and sampling techniques will remain consistent from one sampling event to the next.

A. Pre Sampling Activities

- Begin sampling at the well with the least contamination based on data from the previous event; then proceed systematically to the monitoring wells with the most contamination.
- Measure depth to water to the nearest 0.01 feet relative to a reference measuring point on the well casing with an electronic water level indicator. Record depth to groundwater information in the field logbook or groundwater sampling log.
- Use well-specific information for total depth of monitoring well and use the information from depth to water to calculate the volume of water in the monitoring well or the volume of one casing. Record volume information in the field logbook or groundwater sampling log.

B. Purging and Sampling Monitoring Wells

- If non-dedicated equipment, place the pump and support equipment at the well head and slowly lower the pump and tubing down into the monitoring well until the location of the pump intake is set at a predetermined location within the screen interval. Where possible, the pump should be lowered to the location of previous events using a pre-measured hose. Record pump location information in the field logbook or groundwater sampling log.
- Measure depth to water to the nearest 0.01 feet relative to a reference measuring point on the well casing with an electronic water level indicator. Record depth to groundwater information in the groundwater-sampling log. Leave water level indicator in the well.
- Connect the discharge line from the pump to a flow-through cell that at a minimum measures temperature, pH, specific electrical conductance (SEC), oxidation-reduction potential (ORP), and dissolved oxygen (DO). A "T" connection is needed prior to the flow-through cell to allow for the collection of water for the turbidity measurements. The discharge line from the flow-through cell must be directed to a container to hold purge water collected during purging and sampling of the well.
- Start pumping the well at a low-flow rate of between 0.1 and 0.5 liters per minute (L/min) and slowly increase the flow rate. Check the water level. Maintain a steady flow rate while maintaining a drawdown of less than 0.33 feet. If drawdown is greater than 0.33 feet, lower the flow rate; 0.33 feet is a goal to help guide with the flow rate adjustment. This goal will be difficult to achieve in some on-site wells due to their poor hydraulic conductivities and limitations to the lowest flow rate a pump can produce while maintaining steady flow. This goal may be adjusted based on site-specific conditions and personal experience.
- Measure the discharge rate of the pump with a graduated cylinder and a stopwatch. Also, measure the water level and record both flow rate and water level on the groundwater sampling log. Continue purging, monitor and record water level and pump rate every 3 to 5 minutes. Purging rates should be kept at minimal flow to ensure minimal drawdown in the monitoring well.
- A minimum of one tubing volume (including the volume of the water in the pump and flow cell must be purged prior to recording the water-quality indicator parameters. After this has been accomplished, monitor and record the water-quality indicator parameters every 3 to 5 minutes; these are:
 - Turbidity,
 - Dissolved Oxygen (DO),
 - Specific Electrical Conductance (SEC),
 - pH,
 - Oxidation-Reduction Potential (ORP), and
 - Temperature.
- ORP may not always be an appropriate stabilization parameter and will depend on site-specific conditions. However, readings should be recorded because of its value for double checking oxidizing conditions. The stabilization criterion is based on 4

successive readings of the water quality field parameters. The following criteria must be used.

Parameter	Stabilization Criteria
Turbidity	± 10% NTUs (when turbidity is greater than 10 NTUs)
DO	± 0.3 mg/L
SEC	± 3% µS/cm
pH	± 0.1 pH units
ORP	± 10 millivolts

Once the criteria have been successfully met indicating that the water quality indicator parameters have stabilized, then sample collection, as described below, can take place.

- When sampling for volatile compounds, maintain the same pumping rate or reduce for sampling (0.04 L/min) in order to minimize disturbance of the water column. Sampling should be collected directly from the discharge port of the pump tubing prior to passing through the flow-through cell. Sample containers will include preserved and unpreserved, clean, laboratory-supplied VOAs. All VOAs should be filled with minimal turbulence by allowing groundwater to flow from the tubing gently down the inside of the container. A meniscus must be formed over the mouth of each VOA to eliminate the formation of air bubbles and headspace prior to capping. Effervescence and colorimetric reactions should be recorded in the field logbook and groundwater sampling log.
- After sampling for volatiles, the pumping rate can be increased to previous levels. Once water quality indicator parameters have stabilized as described previously, appropriate pre-cleaned containers and preservatives for the analyses to be performed will be used in sample collection.
- A Water Purging and Sampling Log will be used to record the following information:
 - Sample I.D.
 - Duplicate I.D., if applicable
 - Date and time sampled
 - Name of sample collector
 - Well designation
 - Well diameter
 - Depth to water on day sampled
 - Casing volume on day sampled
 - Method of purging
 - Amount of water purged
 - Extraordinary circumstances (if any)
 - Results of instrument calibration/standardization and field measurements (temperature, pH, specific electrical conductance, and turbidity)

- Number and type of sample container (s)
- Purging pump intake depth
- Times and volumes corresponding to water quality measurements
- Purge rate

C. Post-Sampling

- If non-dedicated equipment, remove the pump from the monitoring well. Decontaminate the pump and dispose of the tubing.
- Measure and record well depth to the nearest 0.01 feet and record in the field logbook and groundwater sampling log.

2.2 Sample Containers and Preservation

Appropriate pre-cleaned sample containers and preservatives for the analyses to be performed will be obtained from the subcontracted analytical laboratory. Groundwater samples will be collected and documented under standard chain-of-custody protocol and analyzed for volatile organic compounds (VOCs) in accordance with United States Environmental Protection Agency (USEPA) Method 8260B by a California State-certified fixed analytical laboratory on an expedited turn-around-time basis.

2.3 Sample Labeling

Sample containers will be labeled before or immediately after sampling with self-adhesive tags with the information written in waterproof ink:

- Company name
- Project name
- Project number
- Sample I.D. number
- Date and time sample was collected
- Preservative (if any)
- Initials of sample collector

2.4 Field Quality Control Samples

In order to evaluate the precision and accuracy of analytical data, quality control samples will be prepared as described below. These samples will be collected, or prepared and analyzed by the laboratory, as specified below.

Trip Blanks: A trip blank consists of contaminant-free water in the appropriate sample container with preservative, if required. These samples are generated by the container preparer at the laboratory, transported to the field along with the empty sample containers, kept with the sample containers continually, and returned to the laboratory without being opened.

Each trip blank will be analyzed only for volatile organic compounds by USEPA Method 8260B. Frequency of analysis will be a minimum of one per day when volatile organic parameters are sampled and tested in the well samples.

Duplicates: A duplicate sample is collected at the near-identical time and location of the primary sample. The procedures for obtaining the duplicate are identical to its original; the

same container type, preservative, and sampling technique are used. Each of the two samples is labeled with a discrete sample number (i.e., the duplicate sample is submitted to the laboratory blind). Immediately after each primary well sample bottle is filled, a duplicate sample bottle for the sample analysis is filled. This procedure continues until all primary and duplicate sample bottles are filled. Duplicate samples will be collected from wells with moderate to high levels of contamination.

Each duplicate sample is analyzed for the same set of parameters as specified for the primary sample. The frequency of duplicate sample collection will be 10%.

Equipment Rinsate Blanks: Equipment rinsate blanks are used to confirm that the sample bottles and the sampling procedures are not introducing contamination into the samples. Equipment rinsate blanks are collected only at wells that are sampled using non-dedicated sampling equipment. After decontamination of the sample pump or bailer, and prior to its use, deionized water is poured into and through the pump or bailer, and then collected into prepared sample bottles.

Equipment rinsate blanks are analyzed for all parameters specified for groundwater samples collected at that well and are assigned a unique sample number (i.e. they are submitted to the laboratory blind). The frequency of equipment rinsate blanks is one per well, provided that non-dedicated sampling equipment is used at that well.

Temperature Blanks: A temperature blank consists of contaminant-free water in the appropriate sample container. These blanks are generated by the container preparer at the laboratory, transported to the field along with the sample containers, kept with the sample containers continually, and returned to the laboratory without being opened. The frequency of temperature blanks is one per shipping container.

Each temperature blank is analyzed for temperature upon arrival at the laboratory. The temperature of the samples upon receipt at the laboratory is recorded on the Chain-of-Custody.

2.5 Handling, Storage, and Transportation

Every effort will be made to handle, store, and transport supplies and samples safely to and from the site. Exposure to dust, direct sunlight, extreme temperatures, adverse weather conditions, and possible contamination will be avoided. Immediately following collection, samples will be placed in a clean chest that contains ice or blue ice (if cooling is required), cooled to a temperature of 4° Celsius (plus or minus 2° Celsius) and will be transported to the subcontracted laboratory as soon as practical within 24 hours of sampling, or as specified by the project manager.

3. EQUIPMENT DECONTAMINATION

Purge pumps, and other non-dedicated purging or sampling apparatus will be cleaned prior to and after sampling each well. Thermometers, pH electrodes, SEC, turbidity probes and flow through cells that will be used repeatedly will be cleaned before and after sampling each well and at any time during sampling if the probe comes in contact with foreign matter.

Decontamination solutions resulting from purging or cleaning of sampling equipment will be collected and stored on site in 55-gallon drums or Baker Tanks for future disposal by the client, unless other arrangements have been made.

Cleaning of reusable equipment that is not dedicated to a particular well will consist of the following:

- **Purge Pumps** - All downhole, reusable portions of purge pumps will be steam-cleaned on the outside. If the pump does not have a backflow check valve, the inside of the pump and tubing also should be steam-cleaned. For a purge pump with a backflow check valve, the interior of the pump and tubing may be cleaned by taking the pump apart and cleaning all of the parts with laboratory-gradealconox detergent and deionized water solution, followed by a deionized water rinse, or by steam-cleaning.
- **Water Quality Meters** - All meters will be cleaned by rinsing the probe portions in DI water, and allowing to air dry.

Sample bottles and bottle caps will be cleaned by the subcontracted laboratory using standard EPA-approved protocols. Sample bottles and bottle caps will be protected from contact with solvents, dust, or other contamination. Sample bottles will not be reused.

4. DOCUMENTATION

4.1 Field Data Sheets

A Field Investigation Daily Log will be completed for each day of fieldwork. Information recorded on the Field Investigation Daily Log will include a description of any deviations from the Workplan that were necessitated by field conditions, such as equipment failure, wells that could not be sampled, etc. A Low-Flow Purging and Sampling Log form will be used at each well to record the information collected during water quality sampling. Sample numbers may also be recorded on the Field Investigation Daily Log as a means of identifying and tracking the samples. Following review by the project manager, the original records will be kept in the project file. Photographs may also be included in the project file, as appropriate.

4.2 Chain-of-Custody Procedures

Samples will be collected, handled, and shipped in accordance with chain-of-custody procedures. These procedures document the transfer of custody of samples from the field to the laboratory. Each sample sent to the laboratory for analysis will be recorded on a Chain-of-Custody, which will include instructions to the laboratory for analytical services and special turnaround times.

Information contained on the triplicate Chain-of-Custody record will include:

- Project name
- Project number
- Signature of sampler(s)
- Date and time sampled
- Sample I.D.
- Number of sample containers
- Sample matrix (water)
- Analyses required
- Remarks, including preservatives, special conditions, or specific quality control measures
- Turnaround time and person to receive laboratory report
- Release signature of sampler(s), and signatures of all people assuming custody

- Condition of samples, including temperature, when received by laboratory

Blank spaces on the CHAIN-OF-CUSTODY will be crossed out and initialed by the sampler between the last sample listed and the signatures at the bottom of the sheet.

The field sampler will sign the CHAIN-OF-CUSTODY and will record the time and date at the time of transfer to the laboratory or to an intermediate person. A set of signatures is required for each relinquished/reserved transfer, including internal transfer. The original imprint of the chain-of-custody record will accompany the sample containers. A duplicate copy will be placed in the project file.

If the samples are to be shipped to the laboratory, the original Chain-Of-Custody will be sealed inside a plastic bag within the ice chest, and the chest will be sealed with custody tape that has been signed and dated by the last person listed on the chain-of-custody. U.S. Department of Transportation shipping requirements will be followed and the sample shipping receipt will be retained in the project files as part of the permanent chain-of-custody document. The shipping company (e.g., Federal Express, UPS) will not sign the chain-of-custody forms as a receiver; instead the laboratory will sign as a receiver when the samples are received.

Forms Used: Field Investigation Daily Log
 Low-flow Purging and Sampling Log
 Chain-of-Custody

FIELD INVESTIGATION DAILY LOG

PRELIMINARY FIELD DRAFT - REVIEW PENDING

PROJECT LOCATION: _____ DATE: _____

VISITORS/SUBCONTRACTORS: _____

Prepared By (name/signature): _____ Date: _____

Reviewed By (name/signature): _____ Date: _____



LOW FLOW WATER PURGING AND SAMPLING LOG

PROJECT NAME: _____

FIELD PERSON: _____

PROJECT NUMBER: _____

PROJECT MANAGER: _____

PROJECT LOCATION: _____

DATE: _____

SAMPLE ID		FINAL PURGE VOLUME		START TIME		END TIME		START DTW		END DTW		WELL DIAMETER		WELL NUMBER	
TIME	PURGE VOLUME	PH	COND. (ms/cm)	TURBIDITY (NTU)	Do ₂ (mg/L)	TEMP. (C°)	SAL %	TDS (g/L)	ORP (MV)	PURGE RATE (mL/min)	COMMENTS/CONTROL INSTRUCTIONS		DTW		
CONTROLLER SETTINGS			PUMP DEPTH			WELL CHARACTERISTICS						SAMPLE TIME			
												SAMPLE DTW			

APPENDIX D

Analytical Laboratory Reports

Note: Analytical laboratory reports are provided in electronic format
in the CD-ROM copy of the Charnock Annual
Groundwater Monitoring Report
(January 1 to June 30, 2020)