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Via Email

February 28, 2018

Ms. Yarissa Martínez-León
Environmental Protection Agency, Region 9
Superfund Division
600 Wilshire Boulevard, Suite 940
Los Angeles, California 90017

Re: 2017 Baseline Monitoring and Aquifer Compliance Report, Dual Site Groundwater Operable Unit, Los Angeles, California

Dear Ms. Martínez-León:

Attached is the 2017 Baseline Monitoring and Aquifer Compliance Report which presents the results of the fourth baseline monitoring event completed during the period September through October 2017 for the Montrose Chemical and Del Amo Superfund Sites, Dual Site Groundwater Operable Unit located in Los Angeles, California.

Groundwater monitoring activities were conducted in accordance with the USEPA-approved Monitoring and Aquifer Compliance Plans (MACPs) prepared by each site. Data collected at other properties (i.e., Boeing, International Light Metals, Jones Chemical, and PBF Energy Refinery) has also been incorporated into this report. This report establishes groundwater conditions at the Dual Site prior to the start of the Torrance Groundwater Remediation System (TGRS) Functional Testing period.

If you have any questions regarding this report please contact Mike Palmer of *de maximis, inc.* at (619) 546-8377 or Pat Gobb of Newfields at (972) 956-9100.

Sincerely,

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2017 BASELINE MONITORING AND AQUIFER COMPLIANCE REPORT

Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
Los Angeles, California

Submitted: February 28, 2018

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ACRONYMS AND ABBREVIATIONS

µg/L	Micrograms per liter
ADPA	Anti-Degradation Policy Analysis
bgs	Below ground surface
BRA	Baseline Risk Assessment
CH_4	Dissolved Methane
CO_2	Carbon dioxide
COC	Chemical of Concern
CPA	Central Process Area
CPT	Cone penetrometer
CSM	Conceptual Site Model
DDT	Dichlorodiphenyltrichloroethane
DNAPL	Dense Non-Aqueous Phase Liquid
DO	Dissolved oxygen
Dual Site	Dual Site Groundwater Operable Unit
FS	Feasibility Study
Fe^{2+}	Ferrous iron
Fe^{3+}	Ferric iron
GWSDAT	Groundwater Spatio-Temporal Data Analysis Tool
HSU	Hydrostratigraphic unit
ILM	International Light Metals
IRM	Instantaneous reaction model
ISGS	*In-Situ* Groundwater Standards
J	Indicates estimated laboratory analytical result
JCI	Jones Chemical, Inc.
L	Liter
LBF	Lower Bellflower Aquitard
LCS	Laboratory Control Samples
MACP	Monitoring and Aquifer Compliance Plan
MACR	Monitoring and Aquifer Compliance Report
MBF	Middle Bellflower
MBFB	Middle Bellflower B Sand
MBFC	Middle Bellflower C Sand
MBFM	Middle Bellflower Mud
MBT	Molecular Biological Tools
MCL	Maximum Contaminant Level
mL	Milliliter
Montrose	Montrose Chemical Corporation of California
MS/MSD	Matrix Spike/Matrix Spike Duplicate
msl	Mean Sea Level

NAPL	Non-aqueous Phase Liquid
NAVD	North American Vertical Datum
ND	Not detected at the indicated reporting limit
NGVD	National Geodetic Vertical Datum
NO_3^-	Nitrate
NTU	Nephelometric Turbidity Unit
O&M	Operation and Maintenance
OOM	Orders of magnitude
ORP	Oxidation-reduction potential
OU	Operable Unit
PBF	PBF Energy
pCBSA	Para-Chlorobenzene Sulfonic Acid
PCE	Tetrachloroethene
QA/QC	Quality Assurance/Quality Control
qPCR	Quantitative Polymerase Chain Reaction
RAO	Remedial Action Objectives
RI	Remedial Investigation
ROD	Record of Decision
RPD	Relative percent difference
SIM	Single Ion Method
SO_4^{2-}	Sulfate
SVE	Soil vapor extraction
TBA	Tert-butyl alcohol
TCE	Trichloroethene
TGRS	Torrance Groundwater Remediation System
TI	Technical Impracticability
U	Not detected at the indicated reporting limit
UBF	Upper Bellflower Aquitard
USEPA	United States Environmental Protection Agency
VOC	Volatile organic compound

EXECUTIVE SUMMARY

This Monitoring and Aquifer Compliance Report (MACR) presents the results of the 2017 groundwater monitoring event completed from September through October 2017, for the Montrose Chemical Corporation of California (Montrose) and Del Amo Superfund Sites, Dual Site Groundwater Operable Unit (OU) located in Los Angeles, California (Dual Site). The groundwater monitoring event was conducted in accordance with United States Environmental Protection Agency (USEPA)-approved Monitoring and Aquifer Compliance Plans (MACPs) prepared by each party.

This 2017 groundwater monitoring event focused on the measurement of groundwater levels and the collection of groundwater samples for laboratory analysis. Analytical data collected by other parties for properties located in the vicinity of the Dual Site, including Boeing; International Light Metals (ILM); and Jones Chemical, Inc. (JCI) have also been incorporated into this report. In addition, groundwater elevation data collected for the Honeywell and PBF Energy sites are included.

The horizontal and vertical hydraulic gradients remain generally consistent with the prior baseline monitoring event in 2016. The overall extent of Dual Site chemicals is generally consistent with the prior baseline event conducted in 2016. Multiple lines of evidence show that benzene biodegradation continues to occur and is sufficient to contain the plume in the water table and Middle Bellflower B sand (MBFB) / Merged MBFB/Middle Bellflower C sand (MBFC) units. Since biodegradation of benzene is occurring in the water table and MBFB / Merged MBFB/MBFC units, it is likely or probable that biodegradation of benzene also occurs in the Gage Aquifer.

Continued monitoring of the Dual Site monitoring network wells in accordance with approved MACPs prepared by each party is recommended.

1 INTRODUCTION AND CONCEPTUAL SITE MODEL

This Monitoring and Aquifer Compliance Report (MACR) presents results of the 2017 baseline groundwater monitoring event for the Montrose Chemical Corporation of California (Montrose) and Del Amo Superfund Sites, Dual Site (Dual Site) Groundwater Operable Unit (OU). The monitoring event was conducted by Montrose and Shell Oil Company at the request of the United States Environmental Protection Agency (USEPA), in accordance with individual Montrose and Del Amo Site Monitoring and Aquifer Compliance Plans (MACPs; AECOM, 2014; URS, 2014) as well as the USEPA-approved 2017 Sampling and Analytical Plan (AECOM, 2017b).

While this MACR is produced by the Montrose and Del Amo parties, additional data collected by other parties for environmentally impacted sites located in the vicinity of the Dual Site have been incorporated to allow presentation of a more regional interpretation of groundwater conditions. These additional sites include existing or former facilities operated by Boeing; Jones Chemical, Inc. (JCI); Honeywell Site B (Honeywell; groundwater elevation data only); International Light Metals (ILM); and PBF Energy (PBF; former ExxonMobil Refinery; groundwater elevation data only). Data provided by these parties has not been validated, but is presented for informational purposes, per USEPA direction.

The Decision Summary section of USEPA's Record of Decision for the Dual Site (ROD; USEPA 1999) defines the Dual Site chlorobenzene, benzene, and trichloroethene (TCE) plumes, and establishes remedial requirements and objectives for each. The purpose of the annual monitoring program is to collect reliable and sufficient groundwater data for monitoring remedy performance and demonstrating compliance with the ROD objectives, as summarized in Table 1. The 2017 monitoring event generated data by which groundwater levels and flow, and the extent of Dual Site chemical plumes, as well as para-chlorobenzene sulfonic acid (pCBSA), tetrachloroethene (PCE), and tert-butyl alcohol (TBA) plumes, were evaluated. Benzene biodegradation was also evaluated. The monitoring event included the following tasks:

- Measurement of groundwater elevation in 505 wells;
- Collection and laboratory analysis of groundwater samples from 315 wells; and
- Evaluation and reporting of the findings.

Details regarding the above tasks are presented in Sections 2 and 3.

The remainder of this section comprises the Conceptual Site Model (CSM), presenting background information regarding the location and physical setting of the Dual Site, the chemicals of concern (COCs), source areas, and potential exposure pathways and receptors. The CSM is an evergreen document that will be updated as required when new information is obtained.

1.1 LOCATION AND LAND USE

The location of the Dual Site is shown on Figure 1. Additional information specific to the individual sites is presented below.

1.1.1 Montrose Chemical Superfund Site

The Montrose Site is located at 20201 South Normandie Avenue in the City of Los Angeles (Figure 1). The Montrose Site occupies approximately 13 acres located within the Harbor Gateway, which extends from Western Avenue to Normandie Avenue. Torrance and unincorporated Los Angeles County are located west and east, respectively, of the Harbor Gateway. Montrose manufactured technical-grade dichlorodiphenyltrichloroethane (DDT) at their facility from 1947 to 1982.

1.1.2 Del Amo Superfund Site

The Del Amo Site is located at the southwest corner of the intersection of the 405 and 110 freeways in the Harbor Gateway area, adjacent to the cities of Torrance to the west and Carson to the east. The Del Amo Site comprises approximately 280 acres that were formerly occupied by a synthetic rubber plant but are now developed as a business park, including numerous industrial/commercial buildings and associated parking lots on 83 parcels. Parcels located within the Del Amo Site are zoned for heavy or light manufacturing/industrial use, excepting one parcel that is designated for commercial use and two parcels that are part of a utility corridor and zoned as public facilities. The anticipated future land use at the site is the same as the current land use. Land use adjacent to the Del Amo Site is light industrial and residential to the north; industrial and commercial to the east; residential, industrial, and commercial to the south; and industrial and commercial to the west. Del Amo Site parcel boundaries and land use in the vicinity of the Del Amo Site are shown on Figure 2.

1.1.3 Other Environmental Sites

The Dual Site is surrounded by other industrial sites that have contributed to groundwater impacts in the vicinity, shown on Figure 1. Data from the sites listed below are included in this MACR.

Facility	Location	Groundwater Impacts
Boeing	North of Montrose	Chlorinated volatile organic compounds (VOCs), primarily TCE
Trico/PACCAR	West of Del Amo	Chlorinated VOCs, primarily TCE
Amoco Chemical (American Polystyrene)	West of Del Amo	Chlorinated VOCs, primarily TCE
ILM	Northwest of Montrose	Chlorinated VOCs, primarily TCE
Honeywell Site B	West of Montrose	1,1,1-Trichloroethane, 1,1-Dichloroethene, PCE and TCE
JCI	South of Montrose	PCE, TCE
PBF (previously ExxonMobil)	West of Montrose	VOCs, primarily benzene

Additional source areas are addressed in Section 1.7.

1.2 SITE HISTORY

1.2.1 Montrose Site

The Montrose Site was undeveloped land until the early 1930s. In 1943, Stauffer Chemical Company (Stauffer) purchased the property (and adjacent land). In 1947, Stauffer leased portions of the property to Montrose. Montrose manufactured technical-grade DDT at the property from 1947 until 1982. Most operations took place in the Central Process Area (CPA) where monochlorobenzene and chloral were combined in the presence of a strong sulfuric acid catalyst (oleum) to make DDT. After ceasing facility operations in 1982, the plant was fully dismantled and demolished by early 1983. In 1984 and 1985, Montrose graded and covered most of the property with asphalt.

1.2.2 Del Amo Site

The Del Amo Site was formerly occupied by a synthetic rubber plant. The plant was constructed in 1942 by the U.S. government in support of World War II activities, and included styrene, butadiene, and copolymer plancors. Styrene and butadiene were synthesized in their respective plancors and then combined in the copolymer plancor to produce synthetic rubber. Other chemicals stored and used in the process as either feedstock or intermediary products included benzene, ethylbenzene, propane, butylene, butane, and lesser amounts of other chemicals. Ownership of the plant was transferred from the U.S. government to Shell Chemical in 1955 and the plant continued to operate until 1972 when it was decommissioned and sold to a land development company. The Del Amo Site was subsequently subdivided and gradually redeveloped into the current business park. The location of former rubber plant facilities in relation to current buildings and streets is depicted on Figure 3.

1.3 REGULATORY FRAMEWORK

Key regulatory dates and milestones for the Dual Site are indicated in the table below:

Date	Event
1982	Environmental investigation of Del Amo Site initiated (Western Waste and Department of Health Services/California Department of Toxic Substances Control)
1992	Administrative order on consent for Del Amo Remedial Investigation (RI)/Feasibility Study (FS) and Focused Feasibility Study issued (USEPA)
1985 to 2010	Montrose groundwater investigation (Various)
1985 to present	Montrose groundwater monitoring events (Various)
1992–1993	Initial Del Amo groundwater investigations completed (Dames & Moore)
1994–2012	Del Amo groundwater monitoring events (Dames & Moore/URS)
1995	Del Amo Site differentiated into separate operable units, including the Dual Site Groundwater Operable Unit (USEPA)
March 1996	Dual Site groundwater flow modeling begun (USEPA)
May 1998	Final RI Report for the Montrose Superfund Site submitted (USEPA)
February 1998	Joint Site Groundwater Risk Assessment report issued (McLaren Hart)
May 1998	Del Amo Groundwater RI Report issued (Dames & Moore); Joint Site Groundwater FS Report issued (USEPA)
March 1999	Dual Site Groundwater ROD issued (USEPA)
2002	Del Amo Site added to National Priorities List (USEPA)
2003	Unilateral administrative orders issued for Initial Remedial Design Work (USEPA; separate orders for Del Amo and Montrose parties)
March 2007	Completion Report for: TCE Plume Data Acquisition DSGWRD26-002; para-Chlorobenzene Sulfonic Acid Data Acquisition DSGWRD 26-005; and Additional Monitor Wells for Model Refinement DSGWRD26-002, Montrose Site, Torrance, California (Hargis+Associates) submitted
June 2007	Combined 2006 Baseline Groundwater Monitoring/TCE and Benzene Plumes Data Acquisition Report for Del Amo Site issued (URS)
May 2008	Amended unilateral administrative order issued for Remedial Design Work (single order issued to both Montrose and Del Amo parties)
September 2008	Model Development and Remedial Wellfield Optimization Report for Dual Site issued (USEPA/CH2MHill)
August 2012	Construction Partial Consent Decree issued to construct the groundwater treatment system as specified in the 1999 ROD (USEPA)
July 2014	MACP voluntarily completed for Montrose Site (AECOM; no associated USEPA order in place)
September 2014	MACP voluntarily completed for Del Amo Site (URS; no associated USEPA order in place)

Date	Event
December 2014	USEPA notified Montrose on December 19, 2014 that Montrose was not permitted to initiate the five-day testing as outlined in the Construction Performance Evaluation Test Workplan. USEPA's refusal to allow Montrose to complete the work required by the Partial Consent Decree, and the State's involvement in that decision, was not supported under the Consent Decree or otherwise
January 2015	USEPA withdrew approval for Remedial Wellfield Treatment System Performance Evaluation Test Plan, preventing its operation
February 2015	Montrose filed a Notice of Dispute under the Partial Consent Decree, arguing that USEPA unlawfully withdrew its approval for Montrose to implement the work required by the Consent Decree. On February 27, Montrose subsequently filed a Statement of Position on initiating the formal dispute resolution process under the Consent Decree
February 2015	Montrose notified USEPA and the State that their actions are directly responsible for preventing the startup of the groundwater treatment system and could result in further migration of the groundwater plume and related consequences, including vapor intrusion impacts
February 2015	2014 MACR voluntarily completed for Del Amo Site (URS; no associated USEPA order in place)
March 2015	2014 MACR voluntarily completed for Montrose Site (AECOM; no associated USEPA order in place)
April 2015	Montrose submitted reply to USEPA Statement on Position (April 3, 2015).
May 2015 to present	Montrose and USEPA confidential settlement meetings
March 2016	2015 Dual Site MACR voluntarily completed for Montrose and Del Amo sites (no associated USEPA order in place)
March 2017	2016 Dual Site MACR voluntarily completed for Montrose and Del Amo sites (no associated USEPA order in place)

1.3.1 Groundwater Remedy

The ROD specifies hydraulic extraction and monitored intrinsic biodegradation as the Dual Site groundwater remedy. Hydraulic extraction will principally treat the chlorobenzene plume and partially contain TCE sources upgradient from the Dual Site. Implementation of the hydraulic extraction portion of the remedy to date has consisted of construction of the Torrance Groundwater Remediation System (TGRS) and the start of TGRS functional testing. Data associated with this MACR was collected prior to the start of TGRS functional testing. The system includes 11 extraction wells, seven injection wells, a water treatment system, and associated pipeline conveyance system, as depicted on Figure 4.

Extraction wells are located in the water table (two wells); soils described in Section 1.5 and known as the Merged Middle Bellflower B/ Middle Bellflower C (Merged MBFB/MBFC) (three wells), MBFC (two wells), and the Gage Aquifer (four wells). Injection is planned to occur in the Gage Aquifer. Extracted groundwater will be treated to remove dissolved VOCs and pCBSA, and will comply with *in-situ* groundwater standards (ISGS) and injection standards as outlined in the ROD (USEPA, 1999). The treatment train utilizes a combination of advanced oxidation (HiPOx™), air stripping, carbon adsorption, and filtration. The TGRS is expected to operate for 30 to 50 years to reduce concentrations to ISGS levels in water-bearing units outside the technical impracticability waiver zone (TI Waiver Zone). Phase 2 functional testing of the TGRS performed in November 2015 demonstrated that the TGRS can meet ISGS and injection standards. A 90-day functional test was initiated on December 5, 2017 and the results of this testing will be reported under separate cover. Since the design was completed and the TGRS was constructed, EPA has completed an Anti-Degradation Policy Analysis (ADPA [USEPA, 2017a]). Montrose opposes the application of the ADPA to the Dual Site. Discussion of the applicability of the ADPA to Montrose's groundwater remedy is ongoing with USEPA.

The benzene plume remedy is monitored intrinsic biodegradation. Intrinsic biodegradation refers to the metabolism and breakdown of chemicals by naturally occurring microbes. Evidence that intrinsic biodegradation of benzene is occurring is provided through numerous lines of evidence, including the spatial distribution of the plume through time and various geochemical and microbiological indicators, as evaluated in Section 3.4. The current groundwater monitoring program provides for continued evaluation of biodegradation.

Remedies for non-aqueous phase liquid (NAPL) source areas impacting groundwater include soil heating/soil vapor extraction (SVE) for the Montrose Site and in-situ chemical oxidation and SVE for the Del Amo Soil and NAPL OU (USEPA, 2013, 2014). Implementation of the Del Amo NAPL remedy will occur after completion of current Soil and NAPL OU remedial design investigations.

In accordance with the ROD, TCE will be addressed by the TCE Parties at a later date using hydraulic extraction near the source areas to partially contain the TCE plume. Extraction wells are currently operating at Boeing, addressing TCE source areas at that Site, separate from the Dual Site remedy.

1.3.2 Remedial Goals

The Dual Site ROD (USEPA, 1999) outlines applicable ISGS and remedial action objectives (RAO). ISGS are compound-specific concentrations that must be attained in groundwater through the ROD-selected remedial action. For the Dual Site, the ISGS are the more stringent of the federal and state drinking water maximum contaminant levels (MCLs). For compounds for which neither a federal nor a state MCL is promulgated, ISGS are the USEPA Region IX tap water Preliminary

Risk Goals (now referred to as Regional Screening Levels). ISGS for the driving chemicals at the Dual Site, as identified in Table 9-1 of the ROD, are as follows:

- Chlorobenzene: 70 micrograms per liter (µg/L);
- Benzene: 1 µg/L;
- TCE: 5 µg/L; and
- PCE: 5 µg/L.

Groundwater RAOs for the Dual Site are:

1. Where technically practicable, reduce concentrations to ISGS levels;
2. In areas of groundwater where attainment of ISGS levels is not technically practicable, contain constituents within their current lateral extent and depth;
3. Isolate NAPL by surrounding it with a zone of groundwater from which dissolved-phase constituents cannot escape;
4. Prevent lateral and vertical migration of dissolved-phase constituents at concentrations greater than ISGS levels to areas where currently they are not present or are below ISGS levels, and
5. Protect current and future users of groundwater from exposure to concentrations above ISGS levels.

The ROD further established a TI Waiver Zone for four hydrostratigraphic units (HSUs) and coincident containment zones for those areas where groundwater cannot be restored to ISGS levels (Figure 5). These zones represent a region of dissolved-phase chemicals surrounding and isolating NAPL, within which restoration to ISGS levels is regarded as technically impracticable. The RAO for groundwater inside the zone is containment while the objective for groundwater outside the containment zone is restoration to ISGS levels.

1.4 PHYSIOGRAPHY AND GEOLOGICAL SETTING

The Dual Site lies in the Torrance Plain, a relatively flat, low-lying area within the larger coastal plain of the greater Los Angeles area. The Torrance Plain is wedge-shaped, opening to the southeast, and bounded by the Rosecrans Hills and Dominguez Hills to the northeast, the El Segundo Sand Hills and Palos Verdes Hills to the southwest, and San Pedro Bay to the southeast (Figure 7). The Rosecrans and Dominguez hills are local manifestations of the Newport-Inglewood structural zone, a faulted anticlinal belt that transects the coastal plain in a northwest-southeast direction, extending from Beverly Hills in the north to Seal Beach in the south. The Dual Site is positioned along the southwest limb of the Gardena Syncline so that underlying stratigraphic units dip slightly to the northeast (CDWR, 1961).

1.5 HYDROSTRATIGRAPHY

The Dual Site overlies the West Coast Groundwater Basin, a sub-basin of the Los Angeles Coastal Groundwater Basin (Figure 6). The West Coast Basin is underlain by a sequence of middle Miocene- through Holocene-age marine and continental sediments up to 13,000 feet thick. Water-bearing sediments underlying the Dual Site include marine and continental deposits of the lower Pleistocene San Pedro Formation and the overlying, upper Pleistocene Lakewood Formation. These formations consist of sand or silty sand aquifers separated by silt and clay aquitards and have a cumulative thickness of greater than 800 feet in the vicinity of the Dual Site. A long-term trend of rising groundwater levels at the Dual Site is evident from the hydrograph presented on Figure 7. The trend of rising groundwater elevations began in 1965 and is inferred to be associated with adjudication of the West Coast Basin that occurred in 1961 (Dames & Moore, 1998).

The Dual Site HSUs and their spatial relationships are presented on Figure 8 (block diagram) and are further described below. Representative cross sections as well as isopach maps showing the interpreted HSU positions are presented in Appendix A (Dames & Moore, 1998; USEPA, 1998).

1.5.1 Lakewood Formation

The Lakewood Formation includes the Bellflower Aquitard and underlying Gage Aquifer. The Bellflower Aquitard is subdivided into the Upper Bellflower Aquitard (UBF), the Middle Bellflower (MBF), and the Lower Bellflower Aquitard (LBF) based on the predominance of muddy or sandy lithotypes, as described below.

1.5.1.1 Upper Bellflower Aquitard

The UBF is the uppermost water-bearing unit at the Montrose Site and at the central and eastern portions of the Del Amo Site. The UBF ranges from 41 to 97 feet thick at the Del Amo Site but thickens at the Montrose Site, where its base occurs at depths up to approximately 105 feet below ground surface (bgs). The saturated portion of the UBF is heterogeneous and consists of interbedded olive-brown, fine-grained sands and muds of varying thicknesses and lateral continuity. Sand layers within the saturated UBF typically range from less than one to ten feet thick and tend to be discontinuous, with the exception of a transitional silty sand layer at the base of the UBF at the Montrose Site. The finer-grained muds within the saturated UBF are up to 30 feet thick and generally continuous at the Del Amo Site, but are less than one to ten feet thick and discontinuous at the Montrose Site.

1.5.1.2 Middle Bellflower

The Middle Bellflower underlies the UBF and is a light yellowish brown, fine to medium-grained sand that is between 20 and 65 feet thick with local muddy zones. A mud layer is present within the Middle Bellflower in the western portion of the Del Amo Site, but thins rapidly to the east and

is absent in the central and eastern portions of the Del Amo Site. Where present, the mud divides the Middle Bellflower into three members, identified from shallowest to deepest as the MBFB, the Middle Bellflower mud (MBFM), and the MBFC. The MBFB is generally an olive-colored fine-grained sand, with a localized muddy layer and an average thickness of approximately 15 feet. The MBFM consists of laminated silts and very fine-grained sands that pinch out to the east and have an average thickness of approximately seven feet. The MBFC is a thick body of fine to medium-grained sand with local muddy layers and lenses that vary from nine to 60 feet thick. A distinctive coarsening sand with shell fragments characterizes the base of the unit.

The Middle Bellflower is not segregated into subunits in the central and eastern portions of the Del Amo Site where the MBFM is absent, and forms a virtually uninterrupted sand unit with inferred greater hydraulic interconnection relative to areas where the mud is present. This portion of the Middle Bellflower is referred to as the Merged MBFB/MBFC. At the Montrose Site, the MBFC directly underlies the UBF where the MBFB and MBFM are absent. At the ILM and Boeing sites, the MBFB is between 20 and 30 feet thick and is the uppermost water-bearing zone.

1.5.1.3 Lower Bellflower Aquitard

The LBF is an overall muddy HSU that is laterally continuous throughout the Dual Site. The transition from the Middle Bellflower to the LBF is sharp to gradational, often marked by shell fragments at the base of the MBFC and underlying bluish to greenish gray muds. The LBF ranges from five feet to 40 feet in thickness at the Dual Site. While overall a muddy unit with aquitard properties, the LBF comprises a complex, heterogeneous interval of layered sediments including an upper mud layer, a middle sand layer, and a lower mud layer. The thicknesses of the respective layers vary and the predominantly sand middle layer is locally discontinuous.

1.5.1.4 Gage Aquifer

The Gage Aquifer underlies the LBF and is the lowest HSU within the Lakewood Formation. The transition from the LBF to the Gage Aquifer is generally gradational with the muddy layers grading into gray or greenish gray, fine to medium-grained sand containing little silt and clay. The Gage Aquifer is laterally continuous beneath the Dual Site and ranges in thickness from 40 to 80 feet. A fossiliferous and gradational layer containing shells with increasing silt content forms a distinctive feature near the base of the unit. No currently active municipal production wells have been identified in the Gage Aquifer within a one-mile radius from the 2015 chlorobenzene/pCBSA plume (AECOM, 2017a).

1.5.2 San Pedro Formation

HSUs underlying the Gage Aquifer are part of the San Pedro Formation and include the Gage-Lynwood Aquitard and the Lynwood Aquifer, which are briefly described below.

1.5.2.1 Gage-Lynwood Aquitard

The Gage-Lynwood Aquitard is an overall muddy HSU, similar in character to the LBF, consisting of interbedded fine-grained sands and muds. The Gage-Lynwood Aquitard is laterally continuous throughout the Dual Site and is between 20 and 45 feet thick.

1.5.2.2 Lynwood Aquifer

The Lynwood Aquifer is composed of laminated, fine- to coarse-grained sands with local gravel beds. The Lynwood Aquifer occurs at depths of approximately 220 feet to 250 feet bgs (CDWR, 1961; Hargis + Associates, 1992) and extends to a depth of approximately 375 feet bgs within the Dual Site (CDWR, 1961).

While Dual Site investigations have not penetrated below the Lynwood Aquifer, underlying units are known to include the Lynwood-Silverado Aquitard and the Silverado Aquifer. The Silverado Aquifer is known to be utilized by municipal production wells, but no currently active municipal production wells have been identified within a one-mile radius from the 2015 chlorobenzene/pCBSA plume (AECOM, 2017a).

1.6 CHEMICALS OF CONCERN

The driving groundwater chemicals for the Dual Site are identified in the ROD as benzene, chlorobenzene, TCE, and PCE (see ROD Part II, Section 7.1). For the purposes of this report, the distributions of chloroform, pCBSA, and TBA are also evaluated. Benzene, chlorobenzene, TCE, PCE, and TBA are collectively referred to in this report as “key VOCs.” The complete list of detected chemicals for which the ROD established ISGS comprises 63 compounds, including both VOCs and pesticides (USEPA, 1999).

The current distribution of key VOCs and pCBSA is presented in Section 3.3.

1.7 SOURCE AREAS

Potential groundwater contamination sources identified in the vicinity of the Dual Site are summarized on Figure 9. Due to an incomplete knowledge of the ownership and operational histories at some properties, the facilities identified on the figure may not in every case correspond with the responsible party, and the current status of groundwater investigations at some facilities is unknown. NAPL is known to be present at the Montrose and Del Amo sites. Several NAPL areas not associated with either the Montrose or Del Amo sites are also shown:

- Three areas adjacent to petroleum transmission pipelines,
- An area at the Honeywell Site, and
- Several areas at the PBF Site.

1.8 POTENTIAL MIGRATION PATHWAYS AND RECEPTORS

Potential groundwater chemical migration (exposure) pathways include direct contact, ingestion, and vapor inhalation.

- Direct Contact: There is very limited potential for direct contact with impacted groundwater associated with the Dual Site due to the depth of the water table (approximately 30 to 65 feet bgs) and the absence of production wells in the vicinity of Dual Site dissolved chemical plumes. Direct contact with groundwater could only occur during drilling and well completion operations, and well sampling events. Procedures are implemented by properly trained personnel to prevent such contact.
- Ingestion: There is also very limited potential for ingestion of impacted groundwater associated with the Dual Site due to the depth of the water table and the absence of production wells in the vicinity of Dual Site dissolved chemical plumes. Ingestion of groundwater could only occur during drilling and well completion operations, and well sampling events. Procedures are implemented by properly trained personnel that prevent ingestion. All water for domestic and industrial use in the vicinity of the Dual Site is supplied by the California Water Service Company (formerly the Dominguez Water Company). The nearest downgradient water supply well (CWSC 219-02) is located approximately 1.4 miles southeast of the Dual Site, is screened in the Silverado Aquifer (510 to 680 feet bgs), and is inactive (AECOM, 2017a). This well is approximately 1.2 miles from the downgradient end of the Dual Site chemical plumes. The potential for new supply wells in the area is limited due to previous adjudication of the West Coast Basin, which is managed by the California Department of Water Resources, the court-appointed Watermaster.
- Vapor Inhalation: Exposure associated with volatilization from groundwater and subsequent vapor intrusion is unlikely due to the water table depth, the relatively low-permeability soils present above the water table, and biodegradation processes that occur naturally in the shallow subsurface where there is abundant oxygen. Recent findings from USEPA's vapor intrusion investigations in the residential area downgradient of the Dual Site further support a conclusion that vapor intrusion from groundwater impacts associated with the Dual Site is unlikely (November 15, 2016 email from Yarissa Martinez of USEPA).

Human receptors of potential concern for the Dual Site include commercial/industrial workers, residents, and trench (construction) workers.

For the reasons explained above, ingestion and direct contact groundwater exposure pathways are considered incomplete for all workers on the Dual Site. The vapor intrusion pathway is considered potentially complete, but the results of recent investigations did not indicate a vapor intrusion concern.

There is no current residential use at either the Montrose or Del Amo sites, and current zoning prohibits such use. The nearest residential area is located immediately south of the southwestern portion of the Del Amo Site (Figure 2). Further information regarding exposure pathways and receptors is presented in the risk assessment reports for the Del Amo and Montrose sites (Geosyntec and URS, 2006; McLaren Hart, 1998) and in result summaries prepared by USEPA for the recently completed vapor intrusions studies (USEPA, 2016).

Ecological risk assessment studies for the Dual Site have been limited due to its location in a highly developed commercial/industrial/residential area of Los Angeles and the consequential lack of sensitive habitats and special-status species. Receptors of concern identified are limited to the American Kestrel, which has been identified within the Los Angeles Department of Water and Power utility corridor near the southern boundary of the Del Amo Site. Due to the depth of the water table, both direct contact and ingestion exposure pathways are incomplete. Exposure through vapor inhalation is judged to be inconsequential and incomplete because the American Kestrel is highly mobile and does not burrow in soil or reside in confined spaces with reduced air flow. Further details regarding ecological risk assessment are available in Appendix I of the Baseline Risk Assessment for the Del Amo Site (Geosyntec and URS, 2006).

2 GROUNDWATER MONITORING PROGRAM

Initial Montrose Site investigations began in the 1980s and extended through the mid-2000s. For a detailed presentation of extensive historical investigations, please see the Montrose RI (USEPA, 1998) and the completion report on additional data acquisition and model refinement (Hargis + Associates, 2006).

Groundwater investigations at the Del Amo Site began in the 1980s with installation of multiple water table monitoring wells as part of Waste Pits investigations. Groundwater investigations expanded to include the larger Del Amo Site during initial RI work in the 1990s, during which time a site-specific groundwater monitoring program was initiated. The Dual Site OU was created in 1995 by USEPA, although separate Montrose and Del Amo Groundwater RI reports were produced (USEPA, 1998; Dames & Moore, 1998) and groundwater monitoring reports for the two sites continued to be site-specific through 2014. The Groundwater RI for the Del Amo Site includes initial identifications of on- and off-site source areas and NAPL areas. A combined groundwater monitoring and TCE and benzene plumes data acquisition report was issued in 2006 for the Del Amo Site (URS, 2007a) that included findings for multiple installations dedicated to evaluating the extent of the TCE plume. The most recently installed well for the Del Amo Site is SWL0068 near the southeastern corner of the Site, which was completed in 2009 as part of investigation of a known NAPL source area. Hydrogeologic data from groundwater investigations referenced above are included in Appendix Q.

Current groundwater investigations are limited to ongoing annual monitoring for the Dual Site, as further described below.

2.1 SAMPLING AND ANALYTICAL PROGRAM

Ongoing groundwater investigation consists of annual monitoring, which includes concurrent measurement of groundwater levels and collection and analysis of samples from wells installed as part of investigations for the Montrose, Del Amo, Boeing, JCI, and ILM sites, and groundwater level measurements only for the PBF and Honeywell sites. The monitoring well network currently comprises more than 500 monitoring wells. Montrose and Del Amo monitoring wells were included in the 2017 groundwater monitoring event in accordance with an updated Sampling and Analytical Plan (Table 2) that was approved by USEPA in an email dated September 1, 2017 (USEPA, 2017a).

Laboratory analyses completed for Montrose and Del Amo wells included the following:

- VOCs by USEPA Method 8260B;
- pCBSA by USEPA Method 314.0 Modified;
- Biodegradation parameters:
  - Nitrate ($NO3^-$) using USEPA Method 300.0;
  - Ferrous iron (Fe^{2+}) using SM3500-FeB;
  - Sulfate (SO_4^{2-}) using USEPA Method 300.0;
  - Total alkalinity using SM2320B;
  - Dissolved methane (CH_4) and carbon dioxide (CO_2) using RSK175(M); and
  - Quantitative Polymerase Chain Reaction (qPCR) Microbial Assay (Benzene Degraders).

The specific analyses completed for each well are indicated in Table 2. Groundwater elevation and laboratory analytical results for the well network provide a comprehensive data set for characterizing groundwater impacts in the vicinity of the Dual Site and monitoring remedy progress. The Del Amo monitoring program includes baseline/5-year review and first semi-annual and subsequent annual groundwater monitoring events. The 2017 groundwater monitoring event is considered to be the final baseline event as functional testing of the TGRS was initiated in December 2017. The Montrose MACP includes baseline, semi-annual, annual, and 5-year monitoring events. Further information regarding the monitoring programs is provided in the MACPs for the Montrose and Del Amo sites (AECOM, 2014; URS, 2014).

2.2 FIELD METHODS AND PARAMETERS

2.2.1 Montrose Wells

Montrose collected groundwater samples using low-flow sampling methods per the MACP (AECOM, 2014) and in compliance with established USEPA protocols (USEPA, 2017c). A low-flow bladder pump, dedicated tubing, and a compressed nitrogen cylinder were used to collect groundwater samples from the approximate middle of the well screen. The pump was positioned approximately in the middle of the well screen, and the well purged at a low flow rate generally between 100 and 200 milliliters (mL) per minute. Fifteen of these wells were purged at a rate of 100 mL per minute in order to prevent excessive drawdown. The water level in the well was gauged during purging to verify that minimal drawdown was occurring. The purge times for wells sampled ranged from approximately 15 to 20 minutes. With the exception of G-02, which had a final drawdown of 0.58 feet, all wells had a drawdown during purging less than 0.33 feet. Recorded Nephelometric turbidity units (NTUs) were all either within 10% for 3 consecutive readings, or were below 5 NTUs prior to sample collection. Groundwater data generated during well purging were recorded on field purge logs, which are presented in Appendix D.

Before and after sampling each well, the stainless-steel components of the sampling equipment were decontaminated utilizing a standard triple-rinse method and non-phosphate detergent, and the disposable bladder and tubing were replaced. Only distilled water was used during decontamination procedures; Site water was not used during any portion of the field operations. Decontamination and purge water was containerized and transferred to the TGRS for processing.

Following purging, groundwater samples were collected directly from the pump tubing into laboratory-supplied sample containers which were filled with no void or trapped air space. Sample containers were labeled, packed in coolers, and transferred to a courier to be transported to Test America Environmental Laboratory under proper chain-of-custody procedures.

2.2.2 Del Amo Wells

Water levels were measured to the nearest hundredth of a foot using an electronic water sounder and recorded on a water level data form. Where present, the depth and thickness of NAPL was measured to the nearest hundredth of a foot using an electric optical interface probe and recorded on a water level data form. Wells containing NAPL were not sampled. Prior to each use, water level meters were washed with deionized water and non-phosphate detergent, followed by a triple rinse with deionized water.

Del Amo wells were purged prior to sampling using either previously installed, dedicated submersible pumps, or a temporary, portable pump that was decontaminated prior to each use by washing with deionized water and non-phosphate detergent, followed by a triple rinse with deionized water. Wells were purged at a rate of between 100 and 400 mL per minute and purging

continued until at least one tubing volume was evacuated and water quality parameters stabilized. Water levels were monitored during purging to verify stabilized drawdown was less than 0.33 feet. Groundwater temperature, pH, specific conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity were monitored during well purging and were recorded on a field purge log that is presented in Appendix D. Turbidity remained greater than 20 NTUs in two wells despite extended purging efforts during the 2017 monitoring event. Turbidity in well PZL0012 was 90 NTUs after 3 hours and 50 minutes of purging. Turbidity in well SWL0036 was 342 NTUs after 48 minutes of purging.

Purge water was stored in a temporary tank located at the Del Amo Waste Pits OU pending waste profiling to determine appropriate off-site disposal. The purge water was subsequently transported by American Integrated Services as hazardous waste to Evoqua Water Technologies in Vernon, California for treatment and recycling. The waste disposal manifest is provided in Appendix E.

Following purging, groundwater samples were collected using low-flow sampling methods per the Del Amo MACP (URS, 2014), in compliance with established USEPA protocols (USEPA, 1996). Samples were collected using the submersible pump positioned in the middle of the well screen and dedicated tubing, then placed into laboratory-supplied sample containers. Containers were filled to eliminate trapped air space, labeled, packed in coolers, and transferred to a courier for transport to Eurofins Calscience Environmental Laboratory under chain-of-custody procedures.

2.3 OPERATION AND MAINTENANCE

2.3.1 Montrose

Operation and maintenance (O&M) specific to the Montrose Site is limited to inspection and maintenance of MACP monitoring wells. Montrose monitoring wells were inspected during the 2017 groundwater sampling event, and repairs were made to select wells which included well box replacement, well lid bolt replacement, well lid gasket replacement, and/or the replacement of locking expanding caps and keyed padlocks. Well maintenance records are included in Appendix C.

2.3.2 Del Amo

Del Amo O&M activities are limited to inspection and maintenance of MACP monitoring wells. Del Amo monitoring wells were inspected during the 2017 groundwater sampling event. A well maintenance record that indicates which wells require maintenance, when maintenance was completed, or when it is scheduled to be performed, is included in Appendix C.

3 DATA PRESENTATION AND EVALUATION

3.1 GROUNDWATER LEVELS AND FLOW

Groundwater level data for more than 500 wells associated with the Dual Site and the Boeing, ILM, JCI, PBF and Honeywell sites are presented in Table 3. Groundwater extraction wells associated with the Boeing and PBF Sites were operating while water level measurements were being collected. TGRS extraction wells were not operational during the September 2017 groundwater gauging event.

Depths to groundwater were measured from the top of casing at each well and converted to elevations relative to mean sea level (msl) using surveyed reference elevations based on North American Vertical Datum (NAVD) 88. Appendix P documents updated survey data for Dual Site wells previously based on the National Geodetic Vertical Datum 29.

3.1.1 Water Table

The depth to groundwater at water table wells ranged from 27.92 (PZL0007) to 65.33 (P-10) feet below reference elevation. The average groundwater elevation in water table wells measured during the 2017 groundwater monitoring event was approximately 1.26 feet higher than during the 2016 groundwater monitoring event. This average excludes extraction well data. Groundwater elevations (excluding extraction wells) ranged from -2.05 feet msl at SWL0068 to -9.10 feet msl at PZL0025 and are mapped on Figure 10.

There are two groundwater depressions resulting from active groundwater extraction:

- Depressions at EWB003/MW0005 and WCC_07S are due to active pumping at these Boeing extraction wells and consistent with the 2016 MACR.

Anomalous groundwater contours are described below:

- A persistent depression at PZL0007 and a persistent mound at SWL0068, both near the eastern border of the Del Amo Site;
- Depressions at PZL0024/SWL0051 and PZL0025/PZL0019, separated by a mound at PZL0020, along the southern border of the Del Amo Site are generally consistent with the 2016 MACR;
- A depression at SWL0001 near the western border of the Del Amo Site;
- A depression at UBI-02 and a persistent mound at UBA-EW-3/MW-14/ UBA-EW-1/UBE-05 on the Montrose Site; and
- A mound located at SWL0028/SWL0057, south of the Dual Site, is also consistent with the 2016 MACR.

Due to the relatively flat groundwater gradient, minor groundwater elevation differences may appear as anomalies. Groundwater mounding may be the result of infiltration of water from artificial recharge sources, an effect from previous pumping or injection in a well, or possibly leaking water supply, irrigation systems, pipelines and/or sewer pipelines. Anomalous contours may also be due to a change in measuring point elevation from wellhead repair or modification. Additional evaluation, including inspection of wellheads at the above-referenced locations, will be performed in 2018.

The 2017 water table is generally consistent with previous monitoring events. Groundwater flow at the water table varies from easterly to southwesterly over the monitoring network. The gradient is 0.0005 toward the southeast, as measured between wells P-2 and MW-29, and is 0.0003 toward the southwest, as measured between wells SWL0017 and MW-29.

A total of 123 water table wells (including Boeing, Del Amo, ILM and Montrose wells) with submerged screen intervals are indicated on Figures 10, 15, 25, 30, 35, 40, 45 and Table 3. Screen intervals for Del Amo Site wells were targeted to address areas of highest contaminant concentration. Further analyses, presented in a meeting with USEPA, provided multiple lines of evidence that rising water levels alone have not caused the decrease in benzene concentrations. Based on these analyses, the water table wells with submerged screens are representative and appropriate for use in MACR analyses.

The average groundwater flow velocity is calculated as follows:

$$V = K(i)/n$$

Where V = flow velocity
K = hydraulic conductivity = 3.0 feet/day (Dames & Moore, 1998; see also Appendix Q)
i = gradient = 0.0005
n = effective porosity = 0.15 (Dames & Moore, 1998; see also Appendix Q)

= 0.010 feet/day or 3.65 feet/year (0.0005 gradient);

= 0.006 feet/day or 2.19 feet/year (0.0003 gradient)

3.1.2 MBFB

The water table resides within the MBFB in the western portion of the Dual Site and the water table and MBFB are therefore identical in this area. Further, the MBFB and MBFC are merged in the central and eastern portions of the Del Amo Site, as described in Section 1.5.1.2 (see HSU block diagram, Figure 8). Figures presenting MBFB data in this report include a dashed yellow line indicating the eastern extent of the MBFM, with MBFB data shown to the west of the line. This line is primarily based on HSU isopach maps that were presented in the Del Amo Groundwater RI Report (Dames & Moore 1998) and are included in Appendix A. The portion of

the line south of Torrance Boulevard is based on recent evaluation of boring logs for Montrose wells in that area.

The depth to groundwater at MBFB wells ranged from 41.51 (SWL0049) to 65.33 (P-10) feet below reference elevation. The average groundwater elevation in MBFB wells measured during the 2017 groundwater monitoring event was approximately 1.20 feet higher than during the 2016 groundwater monitoring event. This average excludes extraction well data. Groundwater elevations (excluding extraction wells) ranged from -3.53 feet msl at P-27A to -7.09 feet msl at UBI-02, and are mapped on Figure 11.

Groundwater depressions resulting from active groundwater extraction in the MBFB parallel those identified for the water table:

- Depressions at EWB003/MW0005 and WCC_07S are due to active pumping at these Boeing extraction wells and are consistent with the 2016 MACR.

Anomalous groundwater contours are described below:

- A depression at SWL0001 near the western border of the Del Amo Site; and,
- A depression at UBI-02 and a persistent mound at UBA-EW-3/MW-14/ UBA-EW-1/UBE-05 on the Montrose Site.

Due to the relatively flat groundwater gradient, minor groundwater elevation differences may appear as anomalies. Groundwater mounding may be the result of infiltration of water from artificial recharge sources, an effect from previous pumping or injection in a well, possibly leaking water supply pipelines, irrigation systems, and/or sewer pipelines. Anomalous contours may also be due to a change in measuring point elevation from wellhead repair or modification. Additional evaluation, including inspection of wellheads at the above-referenced locations, will be performed in 2018.

The horizontal hydraulic gradient across the Dual Site, as measured between wells P-9B and MW-09, is approximately 0.0003 in a southeasterly direction. The southeasterly flow direction is consistent with the direction reported for 2016. The 0.0003 hydraulic gradient is a decrease from the 0.0007 gradient reported in the 2016 MACR (AECOM/de maximis, 2017a).

A total of 85 water table wells in the MBFB (including Boeing, Del Amo, ILM and Montrose wells) with submerged screen intervals are indicated on Figure 11 and Table 3. Screen intervals for Del Amo Site wells were targeted to address areas of highest contaminant concentration. Further analyses, presented in a meeting with USEPA, provided multiple lines of evidence that rising water levels alone have not caused the decrease in benzene concentrations. Based on these analyses, the water table wells in the MBFB with submerged screens are representative and appropriate for use in MACR analyses.

The average flow velocity, calculated using the method outlined above (K = 20 feet/day; n = 0.15), is approximately 0.035 feet/day or 12.78 feet/year.

3.1.3 MBFC / Merged MBFB/MBFC

For the purposes of this report, MBFC and Merged MBFB/MBFC data are presented collectively on figures along with a dashed yellow demarcation line indicating the eastern extent of the MBFM. MBFC data are shown west of the line and Merged MBFB/MBFC data east of the line.

Depth to groundwater for MBFC / Merged MBFB/MBFC wells ranged from 28.55 (BF-EW-3) to 100.77 (EWC005) feet below reference elevation. The average groundwater elevation in MBFC Merged MBFB/MBFC wells measured during the 2017 groundwater monitoring event was approximately 1.47 feet higher than during the 2016 groundwater monitoring event. This average excludes extraction well data. Groundwater elevations ranged from -3.65 feet msl at P-27B to -9.67 feet msl at BF-36 (excluding active extraction wells) and are mapped on Figure 12.

There are three groundwater depressions resulting from active groundwater extraction:

- Depressions at EWC003, EWC005, and EWC006 are due to active pumping at these Boeing extraction wells and consistent with the 2016 MACR.

Anomalous groundwater contours are described below:

- A depression at BF-05, just west of the Del Amo Site;
- Mounding at well BF-01, just west of the Montrose Site; and
- Mounding at well BF-EW-5 on the Montrose Site.

Due to the relatively flat groundwater gradient, minor groundwater elevation differences may appear as anomalies. Anomalous contours may be due to a change in measuring point elevation from wellhead repair or modification, or may also be attributed to the heterogeneous nature of the Bellflower Aquitard. Additional evaluation, including inspection of wellheads at the above-referenced locations, will be performed in 2018.

The 2017 MBFC / Merged MBFB/C potentiometric surface (Figure 12) is generally consistent with those for previous monitoring events. The horizontal hydraulic gradient across the Dual Site, as measured between wells BL-9B and BF-10, is approximately 0.0004 in a southeasterly direction, consistent with 2016 (AECOM/de maximis, 2017a). The average flow velocity calculated using the method outlined above (K = 163 feet/day; n = 0.15) is approximately 0.484 feet/day or 176.66 feet/year.

3.1.4 Gage Aquifer

The depth to groundwater in Gage Aquifer wells ranged from 30.21 feet (G-EW-2) to 125.74 feet below reference elevation (EWG001). The groundwater elevation in Gage Aquifer wells measured during the 2017 groundwater monitoring event was approximately 1.13 feet higher than during the 2016 groundwater monitoring event. This average excludes extraction and injection well data, as well as PBF and Honeywell data which are reported for the first time in 2017. Groundwater elevations (excluding active extraction wells) ranged from 2.35 feet msl at PBF-XIII-07R to -34.53 feet msl at G-IW-4 and are mapped on Figure 13.

Due to the density of PBF wells on Figure 13, the PBF well labels and groundwater elevation values have been removed. Figure 13a shows the PBF Site at a larger scale and includes well labels and groundwater elevations.

There are three groundwater depressions resulting from active groundwater extraction:

- Depressions at EWG001 and EWG002 are due to active pumping at these Boeing extraction wells.
- A depression encompassing several monitoring wells and extraction wells is due to active pumping in the southeast corner of the PBF Site.

Anomalous groundwater contours are described below:

- Depressions at G-IW-4 and G-IW-5, separated by a mound at G-IW-2, along the southern border of the Del Amo Site;
- Depressions at G-15 (south of the Montrose Site) and G-EW-4 (south of the Del Amo Site);
- A mound located at G-04, west of the Del Amo Site;
- A mound located at G-EW-5, south of Torrance Blvd; and,
- A mound in the vicinity of wells PBF-A-18R, PBF-A-20R, PBF-A-22R, PBF-XIII-38R and PBFXIII-33R on the PBF Site.

Due to the relatively flat groundwater gradient, minor groundwater elevation differences may appear as anomalies. Anomalous contours may also be due to a change in measuring point elevation from wellhead repair or modification. Additional evaluation, including inspection of wellheads at the above-referenced locations, will be performed in 2018.

The 2017 Gage Aquifer potentiometric surface (Figure 13) is generally consistent with previous monitoring events.

The horizontal hydraulic gradient across the Dual Site, as measured between wells P-1C and SWL0020, is approximately 0.0007 in a southeasterly direction, compared to 0.0005 to the

southeast for the 2016. The average flow velocity calculated using the method outlined above (K = 31 feet/day; n = 0.13) is approximately 0.158 feet/day or 57.67 feet/year.

An additional horizontal hydraulic gradient measured between wells G-26 and G-32, south of the Dual Site, is approximately 0.0010 in a southeasterly direction. The average flow velocity for this area (K = 31 feet/day; n = 0.13) is approximately 0.242 feet/day or 88.33 feet/year.

3.1.5 Lynwood Aquifer

The depth to groundwater in the Lynwood Aquifer wells ranged from 56.78 feet below reference elevation at PBF-L-02 to 75.79 feet below reference elevation at PBF-L-04. The average groundwater elevation in Lynwood Aquifer wells measured during the 2017 groundwater monitoring event was approximately 0.36 feet less than during the 2016 groundwater monitoring event. This average excludes PBF data which are reported for the first time in 2017. Groundwater elevations ranged from -3.77 feet msl at PBF-PZ-500 to -17.12 feet msl at LW-03 and are mapped on Figure 14. No groundwater elevation anomalies were identified. The horizontal hydraulic gradient at the Dual Site, as measured between wells PBF-PZ-300 and LW-07, is approximately 0.0022 in an easterly direction. The easterly flow direction is consistent with the 2016 direction, while the gradient has increased from the 2016 value of 0.0003 (AECOM/de maximis, 2017a).

3.1.6 Vertical Gradients

Groundwater level measurements at collocated wells completed in different HSUs were used to evaluate vertical gradients between the water table and the Merged MBFB/MBFC, between the MBFB and MBFC, between the Merged MBFB/MBFC and Gage Aquifer, between the MBFC and Gage Aquifer, and between the Gage Aquifer and the Lynwood Aquifer. The potential for vertical hydraulic gradients was assessed by dividing the difference in groundwater elevations for two collocated wells in different HSUs by the difference in elevation between the top of the screen in the first well and the bottom of the screen in the second well (USEPA, 2017b). Vertical gradient values are presented in the following table, with negative values indicating a potential for downward flow.

HSUs	Collocated Wells		Potential Vertical Gradient [a,b]	Average Potential Vertical Gradient Per HSU
Water Table to Merged MBFB/MBFC	SWL0016	SWL0037	-0.054	-0.038
	SWL0024	SWL0023	-0.048	
	MW-24	BF-15	-0.014	
MBFB to MBFC	MBFB-OW-1	BF-OW-1	0.009	-0.003
	MW-14	BF-07	-0.019	
	MW-27	BF-19	-0.002	
	MW-13	BF-06	-0.006	
	MW-2	BF-9	0.003	
Merged MBFB/MBFC to Gage	BF-15	G-08	-0.04	-0.042
	SWL0010	SWL0025	-0.025	
	SWL0013	SWL0022	-0.064	
	SWL0035	SWL0036	-0.036	
MBFC to Gage	BF-OW-1	G-OW-1	-0.007	-0.031
	BF-07	G-06	-0.03	
	BF-19	G-14	-0.053	
	BF-06	G-05	-0.037	
	BF-21	G-24	-0.047	
	BF-26	G-28	-0.013	
Gage to Lynwood	G-06	LW-06	-0.21	-0.219
	G-14	LW-03	-0.225	
	G-05	LW-02	-0.184	
	G-01	LW-5	-0.145	
	LG-2	LW-1	-0.394	
	G-03	LW-07	-0.156	

Notes:

a The potential for vertical gradients was assessed as potentiometric surface ratios between HSUs.

b Whether vertical flow occurs between groundwater-bearing units depends on a number of factors, principally whether the vertical conductivity of the aquitard separating the HSUs will allow for flow to occur between the two groundwater-bearing units.

Potential vertical hydraulic gradients are downward and generally increase with increasing depth, consistent with those reported for 2016 (AECOM/de maximis, 2017a).

3.1.7 Groundwater Level Trends

A long-term trend of rising groundwater levels at the Dual Site began in 1965 (see Section 1.5 and Figure 7) and continues to the present. As discussed in Sections 3.1.1 and 3.1.2, some water table wells included in the 2017 monitoring event have submerged screens due to the rising groundwater levels. These wells are indicated in Table 3 and on figures showing water table wells.

3.2 NAPL

3.2.1 Montrose Site

A dense non-aqueous phase liquid (DNAPL) composed of chlorobenzene and DDT is present at the Montrose site within the UBF. Based on samples collected between 1998 and 2009, the DNAPL is composed of approximately 50 percent chlorobenzene, 50 percent DDT, and less than 1 percent other chemicals including chloroform, 1,4-dichlorobenzene, methyl ethyl ketone, and pCBSA (AECOM, 2013). DNAPL has been definitively detected in the unsaturated zone and saturated UBF, predominantly at depths ranging from approximately 75 to 95 feet bgs. The majority of the observed DNAPL is perched on low permeability silt layers within the UBF.

The possible presence of DNAPL in the saturated UBF occurs over an area of approximately 160,000 square feet and is most predominant within the former CPA at the Montrose Site. DNAPL extends east of the former CPA due to migration along the top of low permeability silt layers in the down-slope direction. DNAPL has historically been recovered from seven UBF wells at the Montrose site including MW-02, UBT-1 through UBT-3, UBE-1, UBE-4, and UBE-5. Mobile DNAPL continues to passively accumulate in several of these wells at the Montrose site and is periodically purged.

MW-02 is the only UBF monitor well within the DNAPL-impacted area that was sampled during the 2017 baseline groundwater monitoring event and serves to characterize this source area. It should be noted that during the baseline 2017 monitoring event, no DNAPL was observed in or recovered from MW-02.

Due to the increase in dissolved phase concentration of chlorobenzene in CMW002 an evaluation of potential DNAPL was conducted. DNAPL was observed in CMW002 in 2017, and was subsequently purged from this well. DNAPL has not reoccurred in this well to date, and ongoing monitoring for DNAPL will continue in this well.

3.2.2 Del Amo Site

As part of the Soil and NAPL RI, a total of 12 groundwater contamination source areas (SA-1 through SA-12) were identified (Figure 58, URS, 2007b). NAPL was present during the 2017 groundwater monitoring event in the following wells:

Well	HSU	Location	NAPL Thickness (feet)	Composition
SWL0001	Water Table	SA-3	0.15	Mainly benzene
SWL0032	MBFB	SA-3	0.06	Mainly benzene
PZL0019	Water Table	Former Waste Pits	6.85	Benzene and other chemicals consistent with the former waste pits[a]

[a] Analytical results from 2014 indicated NAPL in this area contains benzene and other chemicals consistent with impacts from the nearby former waste pits.

In the course of the evaluation process and ongoing site investigation activities, the only groundwater contamination source areas that remain (and were included in the Soil and NAPL ROD) were identified as the following:

Source Area	NAPL Presence	Location	On Figure 9
SA-3	Measured in wells	Western boundary of Del Amo Site	#1
SA-6	Residual, not measured in wells	Southwestern boundary of Del Amo Site	#4
SA-11	Residual, not measured in wells	Southeastern boundary of Del Amo Site	#10
SA-12	Residual, not measured in wells	Eastern boundary of Del Amo Site	#9

Del Amo Site NAPL areas are shown on Figures 9, 30, and 31. Time-series NAPL thickness data for wells at which NAPL accumulations have occurred are presented in Appendix R.

3.2.3 Other NAPL Areas

NAPL accumulations or NAPL-impacted soil in the vicinity of the Dual Site that are not associated with either the Montrose or Del Amo sites include two areas south of the Del Amo Site (sources 16 and 17 on Figure 9) and an additional area southwest of the Montrose Site (source 15 on Figure 9). NAPL in these areas is inferred to be associated with nearby petroleum pipelines. NAPL has also been reported at the PBF and Honeywell sites (sources 25 and 38 on Figure 9), west and northwest of the Dual Site.

3.3 DISSOLVED PLUME DISTRIBUTIONS

Laboratory analytical data from the 2017 groundwater monitoring event are presented in Table 4 (key VOCs) and Table 5 (pCBSA). Comprehensive laboratory reports are provided in Appendix N (compact disc). Historical analytical data is presented in Appendix G. Dissolved plume distribution maps by compound and HSU are provided on Figures 15 through 49, and are discussed

below in Sections 3.3.1 through 3.3.5. Laboratory data presented and evaluated are limited to those for the Dual Site, and the Boeing, JCI, and ILM sites.

3.3.1 Chlorobenzene

Samples collected during the 2017 baseline groundwater monitoring event were analyzed for chlorobenzene by USEPA Method 8260B. The chlorobenzene analytical results for each HSU is summarized and discussed below, and presented in Table 4.

3.3.1.1 Water Table

As discussed previously, the water table and MBFB at the Montrose, ILM, and Boeing sites are hydrogeologically consistent; the MBFC also coincides at certain locations with the water table and the MBFB. This results in duplicate presentation of these data within this report, being shown on the water table (UBF), MBFB, or the MBFC / Merged MBFB/MBFC isoconcentration maps.

Chlorobenzene concentrations in the water table ranged from 0.18 (J) µg/L at SWL0009, to 300,000 µg/L at MW-02. Concentrations that exceeded the ISGS of 70 µg/L were detected in 10 samples collected from locations in the water table. Chlorobenzene results from water table samples are provided in Table 4 and mapped on Figure 15. UBF extraction well data collected throughout 2017 are also presented in Table 4 and Figure 15.

Water table chlorobenzene results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 1 through 11 in Appendix I. (Note: graphs in Appendix I are ordered first by HSU, then numerically.) Six of the monitor wells presented have not contained detectable concentrations of chlorobenzene during the historical period shown. These are: BL-14A, BF-33, ILM_P-22, and MW-21, and MW-30, and MWB029. Decreasing concentration trends of chlorobenzene of two orders of magnitude (OOM) or more are observed in six of the water table monitor wells. The wells with the observed decreasing concentrations trends of chlorobenzene are: MW-05, -07, -09, -10, -11, and -25. The concentration of chlorobenzene in the sample collected from monitor well MW-02 (300,000 µg/L) during the 2017 baseline event is within the historical range of chlorobenzene concentrations. This would indicate that the 2016 result of 1,400 µg/L in this well should be considered anomalous. Monitor well MW-02, located within the DNAPL-impacted area, is included to provide information on the dissolved chlorobenzene concentration within that area. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

The overall distribution of chlorobenzene in the water table remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations were generally consistent with recent historical trends and/or within the range of historical results.

3.3.1.2 MBFB

As previously stated, the MBFB at the Montrose, ILM, and Boeing sites is hydrogeologically consistent with the water table and portions of the MBFC. This results in duplicate presentation of some data, being shown in both the MBFB and water table, and MBFB and Merged MBFB/MBFC isoconcentration contour maps.

Chlorobenzene concentrations in the MBFB ranged from 0.31 (J) µg/L at MW-03 to 300,000 µg/L at MW-02. MBFB samples are provided in Table 4 and mapped on Figure 16. MBFB extraction well data collected throughout 2017 are also presented in Table 4 and Figure 16.

MBFB chlorobenzene results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 2 through 10 in Appendix I. Five of the monitor wells presented have not contained detectable concentrations of chlorobenzene during the historical period shown. These wells are: BL-14A, ILM_P-22, MW-21 and MW-30, and MWB029. Decreasing trends in chlorobenzene concentrations of two OOM or more, which had been observed during previous monitoring events in six of the water table monitor wells, have been also confirmed in the 2017 baseline event. These wells are: MW-05, -06, -09, -10, -11, and -25.

3.3.1.3 MBFC / Merged MBFB/MBFC

Chlorobenzene concentrations in the MBFC ranged from 0.36 (J) µg/L at IWC001 to 130,000 µg/L at CMW002. Concentrations exceeding the ISGS of 70 µg/L were reported in 30 sample locations. Chlorobenzene results from MBFC and the Merged MBFB/MBFC samples are provided in Table 4 and mapped on Figure 17. MBFC and the Merged MBFB/MBFC extraction well data collected throughout 2017 are also presented in Table 4 and Figure 17.

MBFC and the Merged MBFB/MBFC chlorobenzene results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 10 through 24 in Appendix I. Thirteen of the monitor wells presented have not contained detectable concentrations of chlorobenzene during the reporting period shown. Decreasing trends in chlorobenzene concentrations of two OOM or more appear are observed in eight of the MBFC and the Merged MBFB/MBFC monitor wells: BF-05, -11, -21, -22, -23, -25, -31, and SWL0058. Conversely, concentrations of chlorobenzene in three wells (CMW002, BF-12, and G-02WC), are observed to exhibit an increasing concentration trend, which has been increasing with each sampling event since 2012. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

The overall distribution of chlorobenzene in the MBFC and Merged MBFB/MBFC remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations were generally consistent with recent historical trends and/or within the range of historical results.

3.3.1.4 Gage Aquifer

Concentrations in the Gage Aquifer ranged from 0.66 µg/L at G-28 to 6,400 µg/L at SWL0034. Concentrations exceeding the ISGS of 70 µg/L were reported in 17 locations. Chlorobenzene results from Gage Aquifer samples are provided in Table 4 and are mapped on Figure 18. Data from Gage Aquifer extraction well samples collected throughout 2017 are also presented in Table 4 and Figure 18.

Gage Aquifer chlorobenzene results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 24 through 35 in Appendix I. Ten of the monitor wells presented have not contained detectable concentrations of chlorobenzene during the historical period shown. A decreasing trend in chlorobenzene concentrations of two OOM or more was observed in G-04. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations. The overall distribution of chlorobenzene in the Gage Aquifer remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations were generally consistent with recent trends and/or within the range of historical results with the following exceptions:

- The 2017 result from G-02 is similar to the historical range for this well with a reported concentration of 2,600 µg/L, after the reported concentration from the 2016 sampling event of 26 µg/L was observed to be anomalously low concentration. Reported concentrations for 2014 and 2015 sampling events had been 3,400 and 8,100 µg/L, respectively.
- Chlorobenzene was detected above laboratory reporting limits at G-16 for the first time with a concentration of 4.4 µg/L. Well G-16 is located downgradient of the Montrose Site, and this result is lower than those reported in other nearby Gage wells (i.e. G-08, G-13, and G-25).
- The chlorobenzene concentration of 2,000 µg/L at well G-OW-3 was near the highest ever reported result of 2,200 µg/L recorded in 2012.

3.3.1.5 Lynwood Aquifer

Chlorobenzene was detected in six of the seven samples collected from Lynwood Aquifer during the 2017 baseline sampling event. Each detected concentration was below the ISGS of 70 µg/L. Concentrations in the Lynwood Aquifer ranged from 0.33 (J) µg/L at LW-02 to 22 µg/L at LW-01. Chlorobenzene results from Lynwood Aquifer samples are provided in Table 4 and are mapped on Figure 19.

Lynwood Aquifer chlorobenzene results from Montrose-owned and Montrose-sampled wells are shown in time-series graphs 35 through 37 in Appendix I. Concentrations trends in the Lynwood wells generally have not exhibited variability over time. The reported concentration of chlorobenzene in LW-01 increased relative to the previous sampling event, however the

concentration is within the range of historical results. The overall distribution of chlorobenzene in the Lynwood Aquifer remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events. Concentrations of chlorobenzene were generally consistent with previously reported trends and/or within the range of historical results.

3.3.2 pCBSA

Samples collected during the 2017 baseline groundwater monitoring event were analyzed for pCBSA by modified USEPA Method 314.0. The pCBSA analytical results for each HSU is summarized and discussed below, and presented in Table 5.

3.3.2.1 Water Table

pCBSA was detected in water table wells at concentrations that ranged between 7.4 (J) µg/L at MW-22, and 280,000 µg/L at UBA-EW-1. pCBSA results from water table wells are provided in Table 5 and are mapped on Figure 20. Water table extraction well data are also provided in Table 5 and on Figure 20.

Water table pCBSA results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 1 through 11 in Appendix I. Ten of the monitor wells presented have not contained detectable concentrations of pCBSA during the historical period shown. Decreasing trends in pCBSA concentrations of two OOM or more have been observed in five of the 35 water table monitor wells: MW-05, -06, -12, -25, and BF-32A. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

A split sample was collected from well TMW_14 to assess potential northward migration of pCBSA. The reported pCBSA concentration in TMW_14 was 55 µg/L.

The overall distribution of pCBSA in the water table remains relatively unchanged from the 2014, 2015, and 2016 baseline monitoring events, and pCBSA concentrations in the water table were generally consistent with recent trends and/or within the range of historical results.

3.3.2.2 MBFB

pCBSA was detected at concentrations that ranged between 7.4 (J) µg/L at MW-22, and 280,000 µg/L at UBA-EW-1. pCBSA results from MBFB wells are provided in Table 5 and are mapped on Figure 21. MBFB extraction well data are also provided in Table 5 and on Figure 21.

MBFB pCBSA results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 2 through 10 in Appendix I. Eight of the monitor wells presented have not contained detectable concentrations of pCBSA during the historical period shown, while three of the monitor wells contained detectable concentrations for the first time during the 2017 event. These wells

(ILM P-10 [15 µg/L], ILM P-22 [32 µg/L], and BL-14A [16 µg/L]) are located upgradient of well MBFB-OW-1 (7,100 µg/L), in an area with limited available historical pCBSA data.

Decreasing trends in pCBSA of two OOM or more are observed in four of the 35 MBFB monitor wells: MW-05, -06, -12, and -25. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

The overall distribution of pCBSA in the MBFB remains relatively unchanged from the 2014, 2015, and 2016 monitoring events, and concentrations in the MBFB were generally consistent with recent trends and/or the range of historical results.

3.3.2.3 MBFC / Merged MBFB/MBFC

pCBSA concentrations detected in the MBFC and the Merged MBFB/MBFC wells ranged from 4.9 (J) µg/L at BF-29 to 390,000 µg/L at BF-09. pCBSA results from MBFC / Merged MBFB/MBFC samples are provided in Table 5, and are mapped on Figure 22. MBFC extraction well data are also provided in Table 5 and on Figure 22.

MBFC pCBSA results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 10 through 24 in Appendix I. Nine of the monitor wells presented have not contained detectable concentrations of pCBSA during the historical period shown. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

The overall distribution of pCBSA in the MBFC / Merged MBFB/MBFC remains relatively unchanged from the 2014, 2015, and 2016 monitoring events, and concentrations in the MBFC were generally consistent with recent trends and/or the range of historical results. The following is a summary discussion of the analytical data:

- The reported result for BF-29 of 4.9 (J) µg/L, was the lowest result recorded to date, and has decreased from the historical high of 7,400 µg/L in 2012.
- Upgradient wells IWC001 and MWC024 were sampled for the first time during the 2017 baseline monitoring event. Sampling was conducted due to the historical presence of pCBSA in wells CMW001 and CMW002, and to assess any additional northward migration of pCBSA. pCBSA was not detected above a laboratory reporting limit of 10 µg/L in IWC001, and the reported sample result from MWC024 was 72 µg/L.

3.3.2.4 Gage Aquifer

Concentrations in the Gage Aquifer monitor wells ranged from 4.3 (J) µg/L at G-32 to 31,000 µg/L at SWL0034. pCBSA results from Gage Aquifer samples are provided in Table 5 and are mapped on Figure 23. Gage Aquifer extraction well data are also provided in Table 5 and on Figure 23.

Gage Aquifer pCBSA results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 24 through 35 in Appendix I. Seven of the monitor wells presented have not contained detectable concentrations of pCBSA during the historical period shown. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

The overall distribution of pCBSA in the Gage Aquifer remains relatively unchanged from the 2014, 2015, and 2016 monitoring events, and with the exceptions discussed below, concentrations in the Gage Aquifer were generally consistent with recent trends and/or the range of historical results. The following is a summary discussion of the analytical data:

- Concentrations of pCBSA in G-02 (7,800 µg/L) continue to remain low relative to the historic high of 29,000 µg/L observed in 2014. Well G-02 is located at the southeast corner of the Montrose property.
- pCBSA remained undetected in LG-01 for the second consecutive sampling event, with a laboratory reporting limit of 10 µg/L. pCBSA was last detected in LG-01 in 2015 at a concentration of 170 µg/L, and the historic high in LG-01 was 26,000 µg/L as reported in 2014.
- G-16 continues to exhibit a general increasing trend in concentrations since pCBSA was first detected above laboratory reporting limits during the 2015 baseline sampling event. The concentration reported during the 2017 baseline event was the highest to date at 250 µg/L.
- The concentration reported in G-17 (220 µg/L) was the lowest recorded value since sampling began in that well in 1991.

3.3.2.5 Lynwood Aquifer

Samples were collected from all seven Lynwood Aquifer monitor wells (LW-01 through LW-07), and pCBSA was detected above laboratory reporting limits in one well, LW-04, at concentration of 330 µg/L. pCBSA results are provided in Table 5 and Lynwood Aquifer concentrations are mapped on Figure 24.

Lynwood Aquifer pCBSA results from Montrose-sampled and Montrose-owned wells are shown in time series graphs 35 through 37 in Appendix I. Three of the monitor wells presented have not contained detectable concentrations of pCBSA during the historical period shown. pCBSA concentrations in the Lynwood Aquifer were generally consistent with historical results.

The overall distribution of pCBSA in the Lynwood Aquifer remains relatively unchanged from the 2014, 2015, and 2016 baseline events.

3.3.3 Chloroform

All samples collected during the 2017 baseline groundwater monitoring event were analyzed for chloroform by modified USEPA Method 8260B. The chloroform analytical results for each HSU is summarized and discussed below, and presented in Table 4.

3.3.3.1 Water Table

Chloroform concentrations in the water table ranged from 0.25 (J) µg/L at MW-30, to 32,000 µg/L at UBA-EW-1. Chloroform results from water table wells are provided in Table 4 and are mapped on Figure 25, including data from water-table extraction wells collected in 2017.

Chloroform results in select water table wells are shown in time series graphs 1 through 11 in Appendix J. Five of the monitor wells presented have not contained detectable concentrations of chloroform during the historical period shown. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

The distribution of chloroform in the water table remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations in the water table were generally consistent with recent trends and/or the range of historically measured results. The following is a summary discussion of the analytical data:

- The reported concentration at MW-02 (23,000 µg/L) is within the historical concentration range after the 2016 baseline event anomalous result.
- The reported concentration at MW-03 (8.5 µg/L) was the lowest reported value since 2008, and is near the historical low of 2.1 µg/L reported in 1996.

3.3.3.2 MBFB

Chloroform concentrations in the MBFB ranged from 0.25 (J) µg/L at MW-30 to 32,000 µg/L at UBA-EW-1. MBFB sample results are provided in Table 4 and mapped on Figure 26. MBFB extraction well data collected throughout 2017 are also presented in Table 4 and Figure 26.

MBFB chloroform results from select wells are shown in time series graphs 2 through 10 in Appendix J. Three of the monitor wells presented have not contained detectable concentrations of chloroform during the historical period shown.

The distribution of chloroform in the MBFB remains relatively unchanged from the 2014, 2015, and 2016 baseline events, and concentrations in the MBFB were generally consistent with recent trends and/or the range of historically measured results. The following is a summary discussion of the analytical data:

- The reported concentration at MW-02 (23,000 µg/L) is within the historical concentration range after the 2016 baseline event anomalous result.
- The reported concentration at MW-03 (8.5 µg/L) was the lowest reported value since 2008, and is near the historical low of 2.1 µg/L reported in 1996.

3.3.3.3 MBFC / Merged MBFB/MBFC

Chloroform concentrations in the MBFC / Merged MBFB/MBFC ranged from 0.31 (J) µg/L at MWC016, to 6,000 µg/L at BF-09. Chloroform results from MBFC and Merged MBFB/MBFC wells are provided in Table 4 and mapped on Figure 27, and include data from the MBFC extraction wells collected in 2017.

Chloroform concentrations from select MBFC / Merged MBFB/MBFC wells are shown in time series graphs 10 through 24 in Appendix J. Twenty-three of the monitor wells presented have not contained detectable concentrations of chloroform during the historical period shown. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

Distribution of chloroform in the MBFC / Merged MBFB/MBFC remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and were generally consistent with recent trends and/or the range of historically measured results. The following is a summary discussion of the analytical data:

- The concentration value at BF-09 (6,000 µg/L) is the highest concentration reported to date for that location. This well continues to exhibit an increasing trend in chloroform concentrations.

3.3.3.4 Gage Aquifer

Chloroform concentrations in the Gage Aquifer ranged from 0.26 (J) µg/L at MWG001G-01 to 0.32 (J) µg/L at MWG004. Chloroform results from Gage Aquifer wells, including extraction wells, are provided in Table 4 and are mapped on Figure 28.

Gage Aquifer chloroform results from select wells are presented in time series graphs 24 through 35 in Appendix J. Thirty-six of the monitor wells presented have not contained detectable concentrations of chloroform during the historical period shown. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

The distribution and overall trend of chloroform concentrations in the Gage Aquifer remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events. Concentrations in individual Gage Aquifer wells were generally consistent with recent trends and/or within the range of historical results.

3.3.3.5 Lynwood Aquifer

Chloroform was detected above the laboratory reporting limit of 0.5 µg/L in one of the seven Lynwood Aquifer wells with a concentration of 0.33 (J) µg/L at LW-01. Chloroform has not been previously reported in samples collected from LW-01.

Chloroform had not been detected above the reporting limit in any of the seven Lynwood Aquifer wells since 1992; chloroform had been previously detected at a concentration of 2 µg/L in wells LW-05 and LW-07 in 1991.

The overall distribution of chloroform in the Lynwood Aquifer remains relatively unchanged from the prior groundwater monitoring events, and concentrations were generally consistent with recent trends and/or within range of historical results. Results are provided in Table 4 and Lynwood Aquifer concentrations are mapped on Figure 29. Concentration-versus-time graphs of chloroform in select wells are presented in Appendix I.

3.3.4 Benzene

The ROD defines the benzene plume as follows:

"*Benzene plume refers to the portion of the distribution of benzene in groundwater at the Joint Site that is not commingled with chlorobenzene. Put another way, the benzene plume is that benzene within the Joint Site that lies outside the chlorobenzene plume… Benzene that is commingled with chlorobenzene is not considered to be part of the benzene plume, but is instead part of the chlorobenzene plume*."

The defined benzene plume is limited to the former Del Amo Site and immediate vicinity, and occurs in the water table, MBFB, MBFC / Merged MBFB/MBFC, and the Gage Aquifer. The current benzene distributions for these HSUs are presented on Figures 30 through 34. Maximum benzene concentrations and plume extent occur in the water table, and typically decrease substantially in the deeper HSUs. While benzene originates from multiple source areas at the Del Amo Site, the associated individual plumes readily biodegrade and do not extend downgradient for significant distances. Time-series concentration data show the benzene plume to be diminishing through time with respect to both size and concentration due to natural attenuation, as detailed in Section 3.4. Benzene concentration-versus-time graphs for the 87 Del Amo Site wells analyzed for VOCs in 2017 are presented in Appendix K.

Different colored isoconcentration lines have been used to illustrate the benzene distribution on the figures. Blue isoconcentration lines represent benzene within the ROD-defined benzene plume, referred to here as the Del Amo Site benzene plume. Green isoconcentration lines indicate benzene within the chlorobenzene plume, and brown isoconcentration lines indicate benzene concentrations not associated with the Dual Site.

3.3.4.1 Water Table

The water table benzene distribution is presented on Figure 30 and indicates three benzene plumes within the Del Amo Site:

- A plume in the western part of the Del Amo Site with a maximum benzene concentration of 360,000 µg/L at well PZL0020, located near the southern site boundary. Maximum concentrations are inferred to occur in the vicinity of the SA-3, where benzene NAPL is present, as described in Section 3.2.2.
- A plume near the southeastern border of the Del Amo Site in the vicinity of SA-11, with a maximum benzene concentration of 280,000 µg/L at well MW-04HD.
- A plume near the eastern border of the Del Amo Site with a maximum benzene concentration of 160,000 µg/L at well SWL0068, in the vicinity of SA-12. This plume is distinct from the southeastern plume on the basis of the lack of a benzene detection at well MW-02HD.

The Del Amo Site benzene plume shapes and distributions in the water table are generally consistent with the 2016 plumes (AECOM/de maximis, 2017a) and are entirely within the TI Waiver Zone. Benzene concentrations have decreased since the 2016 monitoring event in each of the three plume areas as follows:

- For PZL0020, in the western plume area, benzene has decreased from 510,000 µg/L to 360,000µg/L;
- For MW-04HD, near the southeastern border of the Del Amo Site, benzene has decreased from 480,000 µg/L to 280,000 µg/L; and
- For SWL0068, in the eastern plume area, benzene has decreased from 200,000 µg/L to 160,000 µg/L.

The water table benzene distribution within the chlorobenzene plume is shown in green on Figure 30 and is located in the vicinity of the Montrose Site. Plumes in this area include:

- An area immediately southwest of JCI with a maximum benzene concentration of 8,900 µg/L at well MW-07; and
- An area at the southeastern corner of the Montrose Site and southwestern corner of the Del Amo Site where maximum concentrations of 1,100, 1,200, and 1,600 µg/L, are present at wells MW-01, MW-14, and MFFB-EW-1, respectively. This plume is merged with the previously identified area centered on well MW-07.

Additional water table benzene plumes not associated with the Dual Site are indicated in brown on Figure 30. They include:

- A plume at the Boeing Site with a maximum concentration of 130 µg/L in well WCC_03S;
- A plume to the west of the Montrose Site, centered on well MBFB-OW-1 with a benzene concentration of 9,000 µg/L;
- A plume within the former Gardena Valley Landfill #4, south of the Del Amo Site, with a maximum benzene concentration of 3.0 µg/L at SWL0042; and,
- A plume south of Torrance Boulevard with a maximum benzene concentration of 50 µg/L at well MW-25.

A total of 123 water table wells (including Boeing, Del Amo, ILM and Montrose wells) with submerged screen intervals are indicated on Figure 30 and Table 3. As discussed in Sections 3.1.1 and 3.1.2, water table wells with submerged screens are representative and appropriate for use in MACR analyses. Historical benzene data for water table wells with submerged screens are included in Appendix G and in graph format in Appendix K.

3.3.4.2 MBFB

The MBFB benzene distribution is presented on Figure 31. As described in Section 1.5.1.2 and shown on Figure 8, the MBFM is absent in the central and eastern portions of the Del Amo Site so that the MBFB and MBFC are merged in this area. Merged MBFB/MBFC data are presented together with MBFC data on Figure 32 and described below in Section 3.3.4.2. For clarity, the Merged MBFB/MBFC benzene distribution is also shown on Figure 31 in the form of grey, isoconcentration "ghost" lines in the vicinity of the demarcation line where the MBFB plume enters the Merged MBFB/MBFC.

The MBFB plume is identical to the water table plume near the western Del Amo Site boundary and further west, and is described in Section 3.3.4.1 above. Maximum concentrations are inferred to occur in the vicinity of the SA-3, where benzene NAPL is present at SWL0032 as described in Section 3.2.2. The Del Amo MBFB benzene plume is entirely within the TI Waiver Zone.

3.3.4.3 MBFC / Merged MBFB/MBFC

The MBFC / Merged MBFB/MBFC benzene distribution is presented on Figure 32 and indicates three benzene plumes within the Del Amo Site:

- West of the demarcation line where the MBFC is segregated from the MBFB, the plume is limited to a small area centered on well SWL0061 with a maximum concentration of 9.5 µg/L.
- East of the demarcation line, in the Merged MBFB/MBFC, the principal, centrally located plume has a maximum concentration of 170,000 µg/L at SWL0048 and is truncated against the demarcation line (the unshown portion of the plume is presented on Figure 31 as part of the MBFB benzene distribution).

- Also east of the demarcation line, a secondary plume occurs in the vicinity of well SWL0060, with a concentration of 51 µg/L.

Benzene concentrations have decreased since the 2016 monitoring event in each of the three plume areas as follows:

- For SWL0061, in the western plume area, benzene has decreased from 29 µg/L to 9.5 µg/L;
- For SWL0048, in the principal central plume area, benzene has decreased from 200,000 µg/L to 170,000 µg/L; and
- For SWL0060, in the eastern plume area, benzene has decreased from 55 µg/L to 51 µg/L.

The ROD is inconsistent with respect to whether the TI Waiver includes the MBFC in the vicinity of well SWL0060. ROD Figure 10-1 showing the extent of the TI Waiver Zone is reproduced in this report as Figure 5, and does not show an MBFC TI Waiver Zone near the southeast corner of the Del Amo Site. However, the ROD text states that "*Even though the presence of NAPL in the MBFC Sand in the benzene and TCE plumes has not been conclusively determined, EPA has extended the TI Waiver Zone to include the MBFC Sand in these plumes because of its location underneath the LNAPL sources*" (USEPA, 1999). For these reasons, two different TI waiver zones are depicted on Figure 32: one that includes the eastern MBFC benzene plume, and one that does not. Based on the ROD text, the fact that the MBFB and MBFC are not distinct HSUs in the vicinity of the eastern plume, and the known presence of a NAPL source area in the vicinity of SWL0060, the TI Waiver Zone is judged to include the MBFC sand in the vicinity of well SWL0060.

Benzene is also present within the chlorobenzene plume, as indicated in green on Figure 32. Benzene concentrations within the chlorobenzene plume tend to be lower than those within the principal Del Amo Site plume. The Del Amo Site plume attenuates quickly with distance from the source area, while the chlorobenzene-contained benzene extends down gradient to the southeast. The maximum benzene concentration within the chlorobenzene-contained benzene plume is 240 µg/L at well CMW002 which is consistent with the 2016 MACR.

A benzene plume is also present at the Boeing Site, with a maximum concentration of 15 µg/L at wells MWC023 and MWC0004. Benzene concentrations in this plume have generally remained stable since the 2016 monitoring event. This plume is not associated with the Dual Site.

3.3.4.4 Gage Aquifer

The 2017 Gage Aquifer benzene distribution is presented on Figure 33. The Del Amo Site benzene plume is limited to the vicinity of well SWL0063 where benzene is present at 180 µg/L. This concentration decreased from the 2016 value of 280 µg/L, and there is an overall trend of decreasing concentration. The plume area has increased to encompass well SWL0036 to the east, where benzene was detected at 2.9 µg/L (0.27 µg/L in 2016, and below laboratory detection limits

prior to that time). The Del Amo Site benzene plume area is outside the ROD-defined TI Waiver Zone.

A chlorobenzene-contained benzene plume is present to the southwest of the SWL0063 benzene plume. As previously described for the MBFC / Merged MBFB/MBFC, benzene concentrations within the chlorobenzene plume tend to be lower relative to the maximum Del Amo Site plume, but the chlorobenzene-contained benzene extends down-gradient to the southeast. The maximum benzene concentration within the principal chlorobenzene-contained benzene plume is 28 µg/L at well G-12.

An additional minor area of benzene is present at the Boeing facility at well MWG001. This plume is not associated with the Dual Site.

3.3.4.5 Lynwood Aquifer

Lynwood Aquifer wells sampled for benzene are presented on Figure 34. There were no detections of benzene in the Lynwood Aquifer in 2017.

3.3.5 PCE

Samples collected during the 2017 baseline groundwater monitoring event were analyzed for PCE by USEPA Method 8260B. The PCE analytical results for each HSU is summarized and discussed below, and presented in Table 4.

3.3.5.1 Water Table

Detected PCE concentrations in the water table ranged from 0.27 (J) µg/L at MW-19 to 18,000 µg/L at JMWD-02. Concentrations exceeding the ISGS of 5 µg/L were primarily detected in the vicinities of the Montrose, JCI, and ILM properties. PCE results from water table wells, including extraction wells, are provided in Table 4, and are mapped on Figure 35. Figure 35 also includes historical Amoco/Trico PCE data from 2003 for a more complete depiction of the extent of PCE at the Dual Site, however these contours should be considered estimated based on the age of data.

Water table PCE results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 1 through 11 in Appendix L. Ten of the wells presented have not contained detectable concentrations of PCE during the historical period shown. The remaining monitor wells show variation in concentrations over time, with some currently showing non-detectable concentrations.

The overall distribution of PCE in the water table remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations were generally consistent with recent historical trends and/or within the range of historical results.

3.3.5.2 MBFB

Detected PCE concentrations in the MBFB ranged from 0.26 (J) µg/L at TMW_14 to 18,000 µg/L at JMWD-02. PCE results from MBFB samples are provided in Table 4 and mapped on Figure 36. MBFB extraction well data collected throughout 2017 are also presented in Table 4 and Figure 36. Figure 36 also includes historical Amoco/Trico PCE data from 2003 for a more complete depiction of the extent of PCE at the Dual Site, however these contours should be considered estimated based on the age of data.

MBFB PCE results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 2 through 10 in Appendix L. As shown on the time series graphs, six of the wells presented have not contained detectable concentrations of PCE during the historical reporting period. The remaining wells show some variation over time, with some currently showing non-detectable concentrations.

The overall distribution of PCE in the MBFB remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations were generally consistent with recent historical trends and/or within the range of historical results.

3.3.5.3 MBFC / Merged MBFB/MBFC

Detected PCE concentrations in the MBFC / Merged MBFB/MBFC ranged from 0.44 (J) µg/L at SWL0058 to 37 µg/L at SWL0054. PCE results from MBFC and Merged MBFB/MBFC samples are provided in Table 4 and mapped on Figure 37. MBFC and Merged MBFB/MBFC extraction well data collected in 2017 are also presented in Table 4 and Figure 37.

MBFC / Merged MBFB/MBFC PCE results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 10 through 24 in Appendix L. Thirty-five of the monitor wells presented have not contained detectable concentrations of PCE during the historical reporting period. The remaining monitor wells show variation over time within their specific historical ranges, with some currently showing non-detectable concentrations

The overall distribution of PCE in the MBFC and Merged MBFB/MBFC remains relatively unchanged from the 2014 and 2015 baseline groundwater monitoring events, and concentrations were generally consistent with recent historical trends and/or within the range of historical results.

3.3.5.4 Gage Aquifer

PCE was detected above laboratory reporting limits in three samples collected from G-02 (0.26 [J] µg/L), G-03 (0.30 [J] µg/L), and SWL0063 (0.52 [J] µg/L). PCE results are provided in Table 4 and Gage Aquifer concentrations are mapped on Figure 38.

Gage Aquifer PCE results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 24 through 35 in Appendix L. Thirty-three of the wells presented have not contained detectable concentrations of PCE during the historical reporting period. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

The overall distribution of PCE in the Gage Aquifer remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations were generally consistent with recent historical trends and/or within the range of historical results.

3.3.5.5 Lynwood Aquifer

PCE was not detected in any of the seven Lynwood Aquifer monitor wells sampled. This is consistent with historical results and the results from the 2014, 2015, and 2016 baseline events. Results are provided in Table 4 and Lynwood Aquifer concentrations are mapped on Figure 39. Concentration-versus-time graphs of select wells are presented in Appendix L.

The overall distribution of PCE in the Lynwood Aquifer remains unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations were generally consistent with recent trends and/or within the range of historical results.

3.3.6 TCE

Samples collected during the 2017 baseline groundwater monitoring event were analyzed for TCE by USEPA Method 8260B. The TCE analytical results for each HSU is summarized and discussed below, and presented in Table 4.

3.3.6.1 Water Table

TCE concentrations in the water table ranged from 0.25 (J) µg/L at EWB002, to 12,000 µg/L at DAC-P1. TCE results from water table wells are provided in Table 4 and are mapped on Figure 40, including data from water-table extraction wells collected throughout 2017. Figure 40 also includes historical Amoco/Trico TCE data from 2003 for a more complete depiction of the extent of TCE at the Dual Site, however these contours should be considered estimated based on the age of data.

Water table TCE results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 1 through 11 in Appendix L. Twelve wells have not contained detectable concentrations of TCE during the historical reporting period. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

The distribution of TCE in the water table remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations in the water table were generally consistent with recent trends and/or the range of historically measured results.

3.3.6.2 MBFB

TCE concentrations in the MBFB ranged from 0.25 (J) µg/L at EWB002 to 12,000 µg/L at DAC-P1. MBFB sample results are provided in Table 4 and mapped on Figure 41. MBFB extraction well data collected throughout 2017 are also presented in Table 4 and Figure 41. Figure 41 also includes historical Amoco/Trico TCE data from 2003 for a more complete depiction of the extent of TCE at the Dual Site, however these contours should be considered estimated based on the age of data.

MBFB TCE results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 2 through 10 in Appendix L. Ten of the wells presented have not contained detectable concentrations of TCE during the historical reporting period. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

The distribution of TCE in the MBFB remains relatively unchanged from the 2014, 2015, and baseline groundwater monitoring events, and concentrations in the water table were generally consistent with recent trends and/or the range of historically measured results.

3.3.6.3 MBFC / Merged MBFB/MBFC

Detected TCE concentrations in the MBFC and Merged MBFB/MBFC ranged from 0.51 (J) µg/L at IRZCMW003, to 2,000 µg/L at MWC024. TCE results from MBFC and Merged MBFB/MBFC wells are provided in Table 4 and mapped on Figure 42, including data from MBFC extraction wells collected throughout 2017.

MBFC and Merged MBFB/MBFC TCE results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 10 through 24 in Appendix L. Twenty-eight of the monitor wells presented have not contained detectable concentrations of TCE during the historical reporting period.

TCE was detected above laboratory reporting limits for the first time at well SWL0056 with a concentration of 5.7 µg/L. SWL0056 is located to the southeast of the Del Amo Site, outside of the TI Waiver Zone boundary. The remaining monitor wells show variation over time, with some currently showing non-detectable concentrations. Distribution of TCE in the MBFC and Merged MBFB/MBFC remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations were generally consistent with recent trends and/or the range of historically measured results.

3.3.6.4 Gage Aquifer

Detected TCE concentrations in Gage Aquifer wells ranged from 0.27 (J) µg/L at G-14 to 720 µg/L at EWG002. TCE results from Gage Aquifer wells, including extraction wells, are provided in Table 4 and are mapped on Figure 43.

Gage Aquifer TCE results from Montrose-owned and Montrose-sampled wells are shown in time series graphs 24 through 35 in Appendix L. Twenty-six of the monitor wells presented have not contained detectable concentrations of TCE during the historical reporting period. With the exceptions discussed below, the remaining monitor wells show variation over time, with some currently showing non-detectable concentrations.

TCE was detected above laboratory reporting limits for the first time in samples from wells BL-14C and G-02 with concentrations of 1.4 µg/L and 0.35 (J) µg/L respectively. BL-14C is located to the south of the ILM Site, adjacent to TGRS injection wells G-IW-3 and G-IW-7. G-02 is located at the southeastern corner of the Montrose Site, within the TI Waiver Zone boundary.

Distribution of TCE in the Gage Aquifer remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations were generally consistent with recent trends and/or within the range of historically measured results.

3.3.6.5 Lynwood Aquifer

TCE concentrations were not reported detected in any of the samples from any of the monitor wells in the Lynwood Aquifer, with an analytical reporting limit of 0.5 µg/L for all samples. Results are provided in Table 4 and Lynwood Aquifer concentrations are mapped on Figure 44. Concentration-versus-time graphs of select wells are presented in Appendix L.

3.3.7 TBA

Pursuant to direction from USEPA, TBA results and distribution figures have been incorporated into the 2017 MACR. TBA distributions for the different HSUs are provided on Figures 45 through 49 and discussed below. TBA is not a ROD-identified COC for the Dual Site, and no associated ISGS has been established. Therefore, evaluation of the TBA plume with respect to the TI Waiver Zone is not presented.

3.3.7.1 Water Table

The distribution of TBA in the water table is presented on Figure 45, which shows four TBA plumes.

- The principal TBA plume is located near the southeast corner of the Del Amo Site, with maximum concentrations occurring at PZL0026 (39,000 µg/L) and SWL0068 (38,000 µg/L). These concentrations are similar or identical to those for the 2016 monitoring event.
- A plume located along the southern boundary of the Del Amo Site consists of a single detection of 28 µg/L in well SWL0008, similar to the 2016 detection of 25 µg/L.
- A plume is present near the southwest corner of the Del Amo Site near MW-13 (220 µg/L). Concentrations were generally similar to the 2016 event, although in some cases, comparison is not possible due to elevated detection limits.
- A plume is present at the Boeing Site, with maximum concentrations near well MWB006 (270 µg/L). Concentrations were generally similar to the 2016 event, although in some cases, comparison is not possible due to elevated detection limits.

3.3.7.2 MBFB

The distribution of TBA in the MBFB is presented on Figure 46. The water table and MBFB plumes are identical for the area near the western Del Amo Site boundary and further west, and are not discussed further here. The MBFB merges into the Merged MBFB/MBFC east of the orange demarcation line on the figure, and the TBA distribution in this area is shown on Figure 47.

3.3.7.3 MBFC / Merged MBFB/MBFC

The distribution of TBA in the MBFC / Merged MBFB/MBFC is presented on Figure 47. Two plumes are present within the Del Amo Site, one centered on well SWL0055 with a concentration of 360 µg/L, and the other centered on well SWL0060 with a maximum concentration of 35,000 µg/L. These concentrations are similar to those in the 2016 monitoring event.

3.3.7.4 Gage Aquifer

Gage Aquifer wells sampled for TBA are presented on Figure 48. TBA detections were limited to Boeing well MWG003, with a concentration of 9.9 µg/L.

3.3.7.5 Lynwood Aquifer

Lynwood Aquifer wells sampled for TBA are presented on Figure 49. There were no detections of TBA in the Lynwood Aquifer in 2017.

3.4 BENZENE BIODEGRADATION EVALUATION

Intrinsic biodegradation is defined in the ROD as the chemical breakdown of a contaminant by microorganisms that are native and innate to the existing soil. While acknowledging that "*…there is substantial and significant evidence that significant intrinsic biodegradation of the benzene plume is occurring in the UBF, MBFB Sand, and MBFC Sand"*, and that *"…when all lines of evidence are taken together, the case for reliable intrinsic biodegradation of benzene in the benzene plume is strong"*, the ROD requires periodic confirmation that biodegradation can reliably contain the benzene plume in the UBF and MBFB sand. For this reason, an evaluation of benzene plume biodegradation in the water table, MBFB and Merged MBFB/MBFC units was completed in accordance with the Del Amo Intrinsic Biodegradation Monitoring Workplan (AECOM, 2016). It included evaluation of data for 20 wells along four water table transects (WT-1 through WT-4) and ten wells along one MBFB/ Merged MBFB/ MBFC transect, as indicated on Figures H-6 and H-7 in Appendix H, respectively. These transects and wells were selected to provide data at locations up-gradient of the dissolved benzene plume, within the plume, at the down-gradient fringe of the plume, and down-gradient and/or cross-gradient of the plume. The evaluation was completed through the following tasks:

- Examination of trends in groundwater biodegradation indicator data along the transects;
- Use of microbiological techniques to quantitatively assess groundwater microbes with DNA gene groups associated with aerobic and anaerobic hydrocarbon degradation capabilities; and,
- Calculations and modeling to estimate rate constants for benzene associated with concentration versus time, concentration versus distance, and biodegradation.

Details regarding each of these tasks and results are presented below.

3.4.1 Biodegradation Indicators

Biodegrading microorganisms extract energy by metabolizing hydrocarbons, facilitating the transfer of electrons from the hydrocarbon (an electron donor) to oxidized elements in the environment (electron acceptors). Common electron acceptors in the saturated zone include DO, nitrate (NO_3^-), ferric iron (Fe^{3+}), sulfate (SO_4^{2-}), and carbon dioxide (CO_2). Thus, depleted concentrations of these compounds in hydrocarbon-impacted areas serve as indicators of biodegradation. In some cases, it may be more convenient and/or accurate to measure increased concentrations of the byproducts of the oxidation process rather than decreased concentrations of the electron acceptors or reduced species. For example, instead of measuring decreases in the concentrations of Fe^{3+} or CO_2, increases in concentrations of Fe^{2+} and methane can be measured, which are equally valid biodegradation indicators.

Not all electron acceptors are necessarily present at a site and environmental conditions will dictate which, if any, biodegradation pathways are active. In general, microorganisms will utilize the most energetically favorable electron acceptors available. DO is typically utilized first, because aerobic respiration is the most energetically favorable metabolic pathway. After DO is depleted, microorganisms begin metabolizing hydrocarbons through anaerobic pathways using (in order of preference): NO_3^-, Fe^{3+}, SO_4^{2-}, and CO_2. Biodegradation indicators evaluated in this investigation included DO, NO_3^-, Fe^{2+}, SO_4^{2-}, methane, CO_2, ORP, and total alkalinity. DO data are used in evaluating aerobic biodegradation, while NO_3^-, Fe^{2+}, SO_4^{2-}, and methane data are used in evaluating anaerobic biodegradation. Total alkalinity and CO_2 data are used to evaluate aerobic and anaerobic biodegradation collectively. ORP represents the tendency of a solution to accept or lose electrons, and is thus also an indicator for both aerobic and anaerobic biodegradation. In general, groundwater ORP decreases (becomes more negative) as electron acceptors are consumed and the environment becomes more anaerobic and reducing.

Biodegradation indicator data are included in Table H-1 in Appendix H. Evaluation of the data is achieved through observing patterns in indicator values at mid-plume locations near source areas relative to locations along the plume fringe and outside the plume. Depending upon the specific indicator, mid-plume values consistent with biodegradation may be either higher or lower than for locations outside the plume when biodegradation is occurring. Graphs presenting indicator data for each transect and well, and identifying well positions relative to the plume, are presented on Figures H-1 through H-5 in Appendix H. A simplified data summary is presented in the table below with "X" denoting a strong indication (the expected change is observed at all locations), "O" denoting a weaker indication (the expected change is observed at some locations), and a dash (-) indicating the data are not consistent with biodegradation for that pathway.

Biodegradation Type	Indicator	Mid-plume vs. Outside Plume Value Consistent with Biodegradation	Transects				
			WT-1	WT-2	WT-3	WT-4	MBFB / Merged MBFB/MBFC
Aerobic	DO	Decreased	X	O	O	—	X
Anaerobic	Fe^{2+}	Increased	X	X	O	X	X
	Methane	Increased	X	O	X	X	X
	NO_3^-	Decreased	X	X	X	X	X
	SO_4^{2-}	Decreased	X	X	X	X	X
Aerobic and Anaerobic	ORP	Decreased	O	X	X	X	X
	Alkalinity	Increased	X	X	X	X	X
	CO_2	Increased	X	X	X	X	X

As indicated in the graphs and the above table, biodegradation indicator trends overall are consistent with the occurrence of both aerobic and anaerobic biodegradation. This evaluation of biodegradation along transects meets the objective of Section 13, Provision 8.03.06, of the ROD.

3.4.2 Microbiological Data

Microbial Insights, Inc. (Microbial Insights) located in Knoxville, Tennessee was contracted to perform CENSUS analyses on groundwater samples from wells along each biodegradation transect. CENSUS is a polymerase chain reaction (qPCR) procedure that determines the number of copies of targeted gene groups in DNA present in a sample. The targeted gene group count is proportional to the number of cells (microbes) associated with those genes. In this case, the targeted genes were specific to biodegradation of benzene and other aromatic compounds, and gene group counts are equivalent to cell counts (1:1). The CENSUS method avoids the limitations and potential errors of conventional microbiological test methods by eliminating the need to grow microorganisms in the laboratory, and provides an independent line of biodegradation evidence from the indicator compound trends discussed in Section 3.4.1.

The following gene groups associated with biodegradation of aromatic organic compounds were evaluated through the CENSUS analyses:

Environment	Gene Group
Aerobic	RMO
	RDEG
	PHE
Anaerobic	abcA

CENSUS data evaluated in this report include results previously reported in the 2016 MACR as well as 2017 results for six additional wells added to the transects in accordance with the Revised Intrinsic Biodegradation Workplan (AECOM, 2016a). The six new wells have been incorporated into the transects as follows, with some wells being associated with more than one transect:

Transect	Well
WT-1	PZL0016
	MW-27
WT-2	MW-12
	MW-30

Transect	Well
WT-3	SWL0005
	SWL0057
MBFB / Merged MBFB/MBFC	MW-12
	MW-27
	MW-30

The combined 2016 and 2017 CENSUS data are summarized in Table H-2 in Appendix H. Graphs presenting CENSUS results for each transect and well position relative to the benzene plume are presented on Figures H-8 through H-12 in Appendix H, and scatter plots of gene group counts versus benzene concentrations are presented on Figure H-13 in Appendix H. For those wells with 2016 CENSUS data, the data are plotted against 2016 rather than 2017 benzene concentrations so that there is no mixing of data from different monitoring events.

The data, graphs and scatter plots collectively demonstrate that:

- Gene groups and microbes associated with both aerobic and anaerobic benzene biodegradation are present within the benzene plume at the site;
- Aerobic biodegradation gene groups and their associated microbes outnumber anaerobic gene groups in samples from most wells, consistent with research literature findings that aerobic biodegradation generally occurs at a faster rate than anaerobic degradation;
- For the 15 cases where aerobic biodegradation gene group data are available (3 aerobic gene groups times 5 transects = 15 cases), maximum biodegradation gene group counts occurred within the benzene plume (mid-plume or at the edge of the plume) 12 times.
- For the single anaerobic gene group, the maximum gene group count occurred within the benzene plume for 4 of the 5 cases (1 anaerobic gene group times 5 transects = 5 cases); and,
- There is a statistical correlation between benzene concentration and biodegradation gene group counts for each of the aerobic gene groups (R^2=0.48 - 0.72). No correlation was evident for the anaerobic gene group data.

Based on the above findings, there is strong microbial DNA evidence that both aerobic and anaerobic biodegradation of benzene is occurring at the site. Microbes capable of degrading aromatic VOCs are present along each of the transects evaluated, with maximum microbe counts occurring either mid-plume or at the edge of the plume in 16 of 20 cases (80 percent; 5 transects times 4 gene groups = 20 cases).

3.4.3 Attenuation Rate Constants

Concentration versus time, concentration versus distance, and biodegradation rate constants were evaluated for groundwater benzene concentrations, as further described below.

3.4.3.1 Concentration versus Time Rate Constants

Concentration versus time rate constants (k_{point}) describe the rate of decrease in benzene concentrations with time and are used for estimating how quickly remediation goals will be met. Benzene concentration through time trends and associated concentration rate constants were calculated for each transect monitoring well using both Mann-Kendall and linear regression statistical techniques.

Mann-Kendall is a non-parametric statistical procedure (Gilbert, 1987) and was implemented using Groundwater Spatio-Temporal Data Analysis Tool (GWSDAT) software. Mann-Kendall does not require any assumptions regarding the statistical distribution of the data and can be used with data sets that are gathered at irregular sample intervals and that may be missing data. The strength of a trend is directly proportional to the Mann-Kendall Statistic, with the sign of the trend indicating whether the trend is increasing (+) or decreasing (-). Statistically significant concentration trends were identified for those cases where the p-value (probability of the trend being due to random variation alone) is less than 0.05 or 5 percent.

Linear regression is a parametric statistical procedure employing a "least-squares" method to identify the first-order slope coefficient that best fits the data, with a higher degree of scatter corresponding to a wider confidence interval for the estimated slope. Benzene concentration data were first log-transformed for this analysis and statistical functions within Microsoft Excel™ were then used to minimize the sum of the squared residuals (or error term) and obtain the slope and y-intercept of the trend line. The standard deviation or standard error of the slope was calculated as well as an F-statistic value to find the degree of confidence in the trend. The calculated slope and desired degree of confidence (95 percent) were used in combination to make a decision regarding the statistical significance of the concentration trend. "No trend" was identified for those locations where the degree of confidence was less than 95 percent.

The Mann-Kendall and linear regression results are presented in detail on Figures H-14 through H-23 in Appendix H, and are summarized in the table below.

Transect	Well ID	2017 Benzene Concentration (µg/L)	Benzene Concentration Trends					
			Mann-Kendall			Linear Regression		
			Trend	Rate Constant ($year^{-1}$)	Half-Life (years)	Trend	Rate Constant ($year^{-1}$)	Half-Life (years)
WT-1	MW-21	0.86	Decreasing	0.47	1.5	Decreasing	0.47	1.5
	MW-27	0.50 U	Decreasing	0.21	3.3	Decreasing	0.21	3.3
	PZL0016	0.22 J	Decreasing	0.19	3.6	Decreasing	0.19	3.6
	SWL0004	72,000	Decreasing	-	>5	Decreasing	0.14	5
	SWL0038	0.50 U	Decreasing	-	>5	Decreasing	0.074	9.4

Transect	Well ID	2017 Benzene Concentration (µg/L)	Benzene Concentration Trends					
			Mann-Kendall			Linear Regression		
			Trend	Rate Constant (year^{-1})	Half-Life (years)	Trend	Rate Constant (year^{-1})	Half-Life (years)
WT-2	MW-12	9.4 J	Decreasing	0.27	2.6	Decreasing	0.27	2.6
	MW-28	18,000	No Trend	-	>5	Decreasing	0.056	12
	MW-30	0.50 U	No Trend	-	>5	No Trend	0.034	20
	SWL0006	0.50 U	No Trend	-	>5	No Trend	0.033	21
	SWL0008	56	Decreasing	0.31	2.3	Decreasing	0.27	2.5
WT-3	MW-04HD	280,000	Decreasing	-	>5	No Trend	-	-
	PZL0012	1.7	No Trend	-	>5	No Trend	0.017	41
	PZL0013	210,000	Decreasing	-	>5	Decreasing	0.023	30
	SWL0005	0.50 U	Decreasing	-	>5	Decreasing	0.1	7.2
	SWL0021	0.47 J	Decreasing	-	>5	Decreasing	0.14	5.1
	SWL0057	0.50 U	Decreasing	-	>5	Decreasing	0.07	9.9
WT-4	PZL0012	1.7	No Trend	-	>5	No Trend	0.017	41
	PZL0026	32	Decreasing	0.21	3.4	Decreasing	0.21	3.4
	SWL0024	0.50 U	Decreasing	-	>5	Decreasing	0.09	7.7
	SWL0046	0.50 U	Decreasing	-	>5	Decreasing	0.084	8.3
	SWL0068	160,000	No Trend	-	N/A	No Trend	0.13	5.3
MBFB / Merged MBFB/ MBFC	G-01WC	0.50 U	No Trend	-	>5	Decreasing	0.12	5.7
	MW-12	9.4 J	Decreasing	0.27	2.6	Decreasing	0.27	2.6
	MW-27	0.50 U	Decreasing	0.21	3.3	Decreasing	0.21	3.3
	MW-28	18,000	No Trend	-	>5	Decreasing	0.056	12
	MW-30	0.50 U	No Trend	-	>5	No Trend	0.034	20
	SWL0037	0.50 U	No Trend	-	>5	No Trend	0.005	140
	SWL0047	0.26 J	No Trend	-	-	No Trend	-	-
	SWL0048	170,000	Increasing/ No Trend [a]	-	N/A	Increasing/ No Trend [a]	-	-
	SWL0050	57,000	No Trend	-	>5	Decreasing	0.088	7.9
	XP-02	0.50 U	No Trend	-	>5	No Trend	0.033	21

[a] SWL0048 Mann-Kendall and linear regression trends: increasing from 1995-2004, no trend from 2004-2017.

Statistically significant trends of decreasing benzene concentration through time were identified for 15 of the 26 wells evaluated through Mann-Kendall analysis and for 17 of the 26 wells evaluated through linear regression (wells MW-12, MW-27, MW-28, MW-30, and PZL0012 are

in multiple transects). No trend was identified for 11 wells by Mann-Kendall compared to 8 using linear regression. Monitoring wells where no trend was identified most commonly occur where the data set consists predominantly of non-detect results (wells G-01WC, MW-30, SWL0006, SWL0037, SWL0047, and XP-02) or for wells with high concentrations that are inferred to be located near a source area, (MW-28, SWL0048, SWL0050, and SWL0068).

Trends of increasing concentration were limited to Merged MBFB/MBFC well SWL0048 by Mann-Kendall and linear regression analyses. Mann-Kendall and linear regression results yield no trend in the small 2004 to 2017 dataset. Visual inspection of the SWL0048 benzene data indicates concentrations have been relatively stable since 2004 and decreasing since 2016.

The Mann Kendall and linear regression analyses collectively provide strong evidence for an overall trend of decreasing benzene concentrations through time that are consistent with continued biodegradation of the benzene plume.

3.4.3.2 Concentration Versus Distance Bulk Attenuation Rates

Concentration versus distance bulk attenuation rate constants (k) characterize plume behavior at one point in time with respect to whether it is expanding, shrinking, or showing relatively little change due to the combined effects of dispersion, biodegradation, and other attenuation processes. Transect-specific bulk attenuation rate constants were calculated as follows:

- 2017 benzene concentrations for wells along the intrinsic biodegradation transects were log-transformed;
- The benzene concentration data versus the distance from the source area were plotted for each transect;
- Linear regression statistical analysis was performed using Microsoft Excel™ to derive a best-fit trend line; and
- The bulk attenuation rate constant was calculated as the product of the negative slope of the best-fit trend line and the chemical groundwater velocity, where the chemical groundwater velocity is the groundwater seepage velocity divided by the chemical retardation factor (Newell et al, 2002). Per the Groundwater RI (Dames & Moore, 1998), the benzene retardation factor is approximately 1. The groundwater seepage velocities were calculated based on local transect gradients, as presented below in Section 3.4.3.3.

The monitoring wells, the distances from the source to downgradient monitoring wells, and the benzene concentration inputs for each transect bulk attenuation rate constant estimate are summarized in Table H-3 of Appendix H. The calculated bulk attenuation rates and equivalent half-lives for each transect are summarized in the table below.

Transect	Wells	Bulk Attenuation Rate (year^{-1})	Half-Life (years)
WT-1	MW-21 MW-27 PZL0016 SWL0004	0.13	5.4
WT-2	MW-12 MW-28 MW-30 SWL0006 SWL0008	0.22	3.1
WT-3	MW-04HD PZL0013 SWL0005 SWL0021 SWL0057	0.047	14.9
WT-4	PZL0012 PZL0026 SWL0024 SWL0068	0.46	1.5
MBFB / Merged MBFB/MBFC	G-01WC MW-30 SWL0048 SWL0047 SWL0050 XP-02	0.17	4.0

Half-lives were calculated according to:

$$t = \frac{-LN[\frac{C_{goal}}{C_{start}}]}{k}$$

where:

(C_{goal}/C_{start}) = 0.5; or, -LN(C_{goal}/C_{start})=0.693; and
k = bulk attenuation rate constant (time^{-1})

The bulk attenuation rates and half-lives estimated above are consistent with a shrinking benzene plume and the continued occurrence of biodegradation.

3.4.3.3 Biodegradation Rate Constants

Biodegradation rate constants (λ) apply to both space and time, and unlike the attenuation rate constants evaluated above, are specific to degradation through biological processes. Biodegradation rate constants were estimated for each transect using BIOSCREEN (USEPA, 1996), a software screening tool for evaluating the potential presence and magnitude of natural attenuation processes, including advection, dispersion, adsorption, and both aerobic and anaerobic (collectively) biodegradation. BIOSCREEN can quantify biodegradation in terms of a rate related to either a chemical concentration or a biochemical indicator parameter, and includes three model types:

- Solute transport without decay;
- Solute transport with biodegradation modeled as a first-order decay process (simple, lumped-parameter approach), and,
- Solute transport with biodegradation modeled as an "instantaneous" biodegradation reaction.

The Domenico analytical solute transport model is used to assess chemical fate and transport under all three model types (Domenico 1987). BIOSCREEN-AT version 1.4.3, developed by S.S. Papadopulos & Associates, includes USEPA's BIOSCREEN Version 1.4, and was used for this investigation. Each of the three model types was applied to monitoring well data along each transect. A time interval of 70 years was adopted for analysis, representing an interval from construction of the former Del Amo Site synthetic rubber plant to the present day. This time interval is appropriate in light of the objective of evaluating intrinsic biodegradation of benzene releases associated with the plant site. Future predictive modeling was not undertaken.

The screening model input parameters, transect estimated source area dimensions, transect monitoring wells, estimated centerline distances from the source for each monitoring well, and benzene concentration data are summarized in Table H-5 of Appendix H. Local 2017 hydraulic gradients were used in the models for each water table transect, as follows:

Transect	Hydraulic Gradient	Gradient Basis
WT-1	0.0008	SWL0004 to MW-21
WT-2	0.0052	PZL0020 to SWL0051
WT-3	0.0007	MW-04HD to SWL0021
WT-4	0.0044	SWL0068 to SWL0024
MBFB / Merged MBFB/MBFC	0.0005	SWL0048 to G-01WC

The first-order decay models for each transect were calibrated by iteratively adjusting dispersivity and the biodegradation rate constant until a best fit match was achieved between modeled

concentrations and the 2017 monitoring event concentrations. The resulting models are non-unique solutions, and present one reasonable analytical solution. Calibration of the instantaneous reaction model to the 2017 data was poor or not able to be achieved for the transects, and this model was not used for the evaluation.

Screen captures of the final calibrated BIOSCREEN input and output panels for the transects are provided on Figures H-29a/b through H-33a/b in Appendix H. As indicated there, observed benzene concentrations (black squares on the plots) are consistently lower than concentrations predicted by the no degradation model (red lines on the plots). This finding supports the conclusion that benzene biodegradation is occurring in groundwater at the site.

Estimated first-order benzene biodegradation rate constants and half-lives from the BIOSCREEN modeling are as follows:

Transect	Rate Constant ($year^{-1}$)	Half-Life (years)
WT-1	0.15	4.50
WT-2	1.82	0.38
WT-3	0.20	3.40
WT-4	0.48	1.45
MBFB / Merged MBFB/MBFC	0.22	3.10

The rate constants and half-lives estimated above from the BIOSCREEN modeling provide further evidence for the continued occurrence of biodegradation.

3.4.4 Biodegradation Conclusions

Multiple, independent lines of evidence indicate that aerobic and anaerobic biodegradation of benzene continues to occur in the water table and MBFB / Merged MBFB/MBFC units and is sufficient to contain the plume within the TI Waiver Zone at the Del Amo Site. These lines of evidence include:

- Biodegradation indicator data, as well as microbial DNA gene group counts and their correlation with benzene concentrations;
- Statistical analysis indicates trends of decreasing benzene concentrations for numerous individual wells and benzene plumes as a whole, for which rate constants have been estimated; and,
- Modeling through the BIOSCREEN software is also consistent with significant biodegradation, and associated biodegradation rate constants have been estimated.

Since biodegradation of benzene is occurring in the water table and MBFB / Merged MBFB/MBFC units, it is likely or probable that biodegradation of benzene also occurs in the Gage Aquifer.

3.5 QUALITY ASSURANCE/QUALITY CONTROL

Quality assurance/quality control (QA/QC) samples were collected in accordance with each party's respective MACP (AECOM, 2014; URS, 2014) to monitor the effectiveness of the decontamination procedures and to identify any field or laboratory conditions that may have affected sample integrity. Montrose and Del Amo QA/QC samples are discussed below and associated analytical results for all participating parties are summarized in Table 6. A more in-depth discussion of QA/QC findings is presented in the Data Validation Memoranda presented in Appendix M.

3.5.1 Trip Blanks

Laboratory-prepared trip blank samples were placed in each sample cooler that contained more than one VOC groundwater sample. Del Amo submitted 18 and Montrose submitted eight trip blank samples. The trip blank samples were analyzed for VOCs by USEPA Method 8260B. No Del Amo results were qualified based on trip blank results. Five Montrose results were qualified as non-detect for Methylene chloride due to trip blank contamination (Appendix M).

3.5.2 Equipment Blanks

Equipment blank samples were collected to test for potential cross-contamination from the sampling equipment; an equipment blank was collected daily when sampling with a non-dedicated pump. Laboratory-certified water was poured across the decontaminated sampling pump and collected in laboratory-supplied containers. There were 18 equipment blank samples from Del Amo wells and nine from Montrose wells. All equipment blank samples were analyzed for VOCs by USEPA Method 8260B and ten for pCBSA by USEPA Method 314.0 Modified. The equipment blanks were analyzed by the same analytical methodologies as the primary samples. No Del Amo VOC results were qualified based on equipment blank results. The Montrose result for Acetone in MW-19_20170912 was qualified as not detected (U) at the reported value due to equipment blank contamination. No other Montrose VOC results were qualified based on equipment blank results. No pCBSA results were qualified based on equipment blank results.

3.5.3 Duplicate Samples

Field duplicate samples were collected to evaluate sampling and analytical precision. The duplicate set of sample containers was filled immediately following the collection of the corresponding unique sample. Each duplicate sample was handled and analyzed in an identical fashion as the primary samples. There were 11 duplicate samples from Del Amo wells and 11 from Montrose

wells which meets the 10 percent target. All duplicate samples were analyzed for VOCs by USEPA Method 8260B and 10 samples were analyzed for pCBSA by USEPA Method 314.0 Modified. As indicated in Section 1.10 of the Del Amo Data Validation Memo (Appendix M-1), and Montrose Superfund Site Data Quality Assessment (Appendix M-2), no results were qualified based on field duplicate results.

3.5.4 Method Blanks

The objective of the method blank analyses is to indicate potential sources of contamination from laboratory procedures. The laboratory prepared and analyzed method blanks samples at the proper frequency for all applicable analyses.

One Del Amo method blank did not detect the target analyte, and as a result, the applicable primary sample results were qualified as not detected above the reported sample quantitation limit (U), as indicated in Section 1.6 of Appendix M-1. No Montrose results were qualified based on method blank results.

3.5.5 Laboratory Control Samples

The objective of laboratory control samples (LCSs) analysis is to evaluate the laboratory accuracy and precision with an interference-free sample. The laboratory prepared and analyzed LCSs at the proper frequency for all applicable analyses.

All LCS recoveries and relative percent differences between the LCS results were evaluated against statistically determined acceptance ranges. Ten LCS and LCS duplicate recoveries and their relative percent differences (RPDs) for Del Amo samples were outside control criteria, and as a result, the applicable primary sample results were qualified as estimated or approximate (J+, UJ), as indicated in Section 1.8 of Appendix M-1. One sample result for acetone was qualified due to LCS recoveries that were outside control criteria, and as a result, the applicable primary sample results were qualified as estimated, as indicated in Appendix M-2.

3.5.6 Matrix Spike/Matrix Spike Duplicates

The objective of the matrix spike/matrix spike duplicate (MS/MSD) analyses is to evaluate the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The laboratory prepared and analyzed MS/MSD samples at the proper frequency for all applicable analyses.

MS/MSD recoveries and relative percent differences between the MS/MSD results were evaluated against statistically determined acceptance ranges. Twenty-two MS/MSD recoveries for Del Amo samples were outside control criteria, and as a result, the applicable primary sample results were qualified as estimated or approximate (J, J+, J-/UJ), as indicated in Section 1.9 of Appendix M-1.

No Montrose sample results were reported outside of MS/MSD recoveries, therefore no samples needed qualification.

3.5.7 Data Validation

3.5.7.1 Data Validation Methodology

Data validation for the 2017 groundwater monitoring event was performed in accordance with each party's respective MACP (AECOM, 2014; URS, 2014). Level IV data packages were submitted for all data. Ten percent of the data were validated in accordance with laboratory specific limits methodology, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2008), and USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review (USEPA, 2014). A lower level QA/QC review was performed on the remaining data. Once data validation was complete, the project database was updated to add the data validation flags and/or other changes.

The data validation qualifications for VOC and pCBSA analyses are summarized in the following table:

Parameter	Analyte	Samples with Qualified Analytical Results	Qualification Rationale
VOC	Tetrachloroethene	GWS02780	LCSs were not within the laboratory's statistically determined acceptance ranges.
	ETBE	GWS02783	
	ETBE	GWS02739, GWS02729 GWS02785, GWS02741 GWS02763, GWS02745	
	DIPE	GWS02803, GWS02800	
	ETBE	GWS02753, GWS02726	MS/MSD results were not within the laboratory's statistically determined acceptance ranges.
	TAME		
	Acetone	GWS02722	
	GRO (C4-C12)	IWS00285, IWS00286	
	Acetone	MW-19_20170912	Qualified as not detected (U) at the reported value due to equipment blank contamination
	tert-Amyl Ethyl Ether	BF11_20170911, SWL0020_20170911, MW-10_20170912, LW-03_20170912, G-14_20170912, BF-19_20170912, G15_20170912, G-21_20170912, EB_2017091201, BF16_20170911	Qualified as estimated (UJ) due to low response in the continuing calibration standard. Results may be biased low or there may be false negatives.
	Methylene chloride	BF-12-20170911, G-18-20170911, G-19A-20170911, MW-25-20170911 MW-22-20170911	Qualified as not detected (U) at the reporting limit due to trip and equipment blank contamination.

Parameter	Analyte	Samples with Qualified Analytical Results	Qualification Rationale
VOC	2- Butanone	G-03_20170913, BF-02_20170913, G-13_20170913, G-35_20170913, G-09_20170913, SWL0011_20170914, G-OW-3_20170914, MW02_20170914, LW-04_20170914, LW-02_20170914, LW05_20170914, LW-01_20170914, MW06_20170914, MW-13_20170914, G-05_20170914, LG-02_20170914, G-16_20170914, G-12_20170914, G-12_20170914_FD, MW26_20170914, SWL0049_20170914, EB_20170914_01, BF10_20170913, BF-09_20170914, BF-09_20170914_FD, BF09_20170914_FD, EB_20170914_02, EB_20170914_03, TB_20170914_01, TB_20170914_02, BF-35_20170914_FD, BF35_20170914, G-25_20170914, MW-04_20170914,	Qualified as estimated (J, UJ) due to low average relative response factor in the initial calibration.
	Chlorobenzene	BF-09_20170914	Chlorobenzene was qualified as estimated (J) because the concentration exceeded the linear calibration range.
All Compounds	VOCs	BF-15_20170913, MW12_20170912, BF-28_20170912, BF-27_20170912, BF-14_20170913	Qualified as estimated (J, UJ) due to the presence of headspace in the VO vials. Results may be biased low or there may be false negatives

3.5.8 Data Validation Summary

Based on the QA/QC samples and other criteria described in the Data Validation Memoranda, the data, as qualified, are considered valid and useable for the project objectives.

3.5.9 Additional Dilutions

Eurofins was directed to run 2017 groundwater samples at multiple dilutions when feasible to quantify VOCs at reporting limits that are equal to or less than the ISGS, as agreed to in the Response to USEPA Comments, 2016 Baseline MACR (AECOM/de maximis, 2017b). All reporting limits for benzene concentrations provided by Eurofins for Del Amo Site wells were lower than ISGS values (Table 6). Reporting limits for eight Del Amo samples were above the ISGS value of 5 µg/l for PCE and TCE. Eurofins was able to perform additional dilutions on seven of the eight samples and the results are presented in Table O-1 in Appendix O. As indicated in the table, additional dilutions decreased the reporting limit, but not enough to be less than the ISGS value in six of the seven samples. The additional dilution for sample MW-12 was able to reduce the reporting limit from 10 µg/l to 5 µg/l for PCE and TCE.

3.5.10 USEPA Method 8260 Single Ion Method (SIM) Analysis Reporting Limits

Table 9-1, Issue 14 of the First Five Year Review for the Dual Site Groundwater Operable Unit (USEPA, 2015) indicates that reporting limits for one or more key VOCs at some wells are greater than their respective ISGS values, impeding USEPA's ability to assess compliance with the ROD. In 2016, as a trial, groundwater samples from three Del Amo Site wells and three Montrose Site wells were submitted to Test America Laboratory in Irvine, California, for USEPA Method 8260 SIM analysis to evaluate whether lower detection limits could be achieved with this method. In 2017, four additional samples were submitted to Test America for 8260 SIM analysis. Results of the 8260 SIM analysis are presented in Appendix O.

The 2017 8260 SIM analyses did not show a benefit with respect to benzene data, because all benzene data reported by Eurofins for the 2017 groundwater sampling event were below the ISGS value. The analysis showed a benefit for PCE and TCE in sample GWS02708 where the 8260B result was ND<100 µg/l (not detected at the indicated reporting limit) and the 8260 SIM result was 2.6 µg/l. The analysis also showed a benefit for chlorobenzene in sample GWS02708 where the 8260B result was ND<100 µg/l and the 8260 SIM result was ND<0.50 µg/l. The benefit of the 8260 SIM analysis is inconclusive for other key VOCs.

4 CSM UPDATE

Based on 2017 baseline groundwater sampling event, there does not appear to be a spatial distribution trend to the wells with increasing concentration trends, the overall distribution of the various contaminants in the HSUs remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events, and concentrations were generally consistent with recent trends and/or within the range of historical results. Therefore, the current conceptual site model (CSM) remains the same (de maximis/AECOM, 2017). To further define the boundary of the pCBSA plume in the MBFC and Gage Aquifers, and to further understand the nature and extent of pCBSA and other potential contaminants in the Lynwood Aquifer, the installation of additional monitor wells and/or sampling of existing monitor wells owned by Montrose or by other facilities (in-lieu wells) has been proposed by GES and approved by USEPA (GES, 2018; USEPA, 2018). The additional in-lieu and new monitor wells to be added to the Site sampling plan beginning in 2018 are summarized below:

<u>MBFC wells</u>

- AUS-9D (Former Golden Eagle Refinery)
- BF-31 (Montrose)
- BF-32A (Montrose)
- BF-33 (Montrose)
- III-08R (PBF)
- J-MBFC-01 (future JCI well)
- J-MBFC-02 (future JCI well)
- URS-03 (Honeywell)
- VIII-02R (PBF)

<u>Gage wells</u>

- AUS-24D (Gage, Former Golden Eagle Refinery)
- G-38 (proposed new Montrose well)
- GW-4D (Gage, Gardena Valley Landfill)
- GW-6D (Gage, Gardena Valley Landfill)
- VI-06R (Gage, PBF)
- VII-09R (Gage, PBF)

<u>Lynwood wells</u>

- LW-08 (proposed new Montrose well)
- LW-09 (proposed new Montrose well)
- LW-11 (proposed new Montrose well)

Additional detail regarding the location and selection process for each well can be found in the USEPA-approved *Workplan for Additional Wells for pCBSA Data Acquisition* (GES, 2018).

5 CONCLUSIONS

The 2017 groundwater monitoring event was conducted to generate groundwater elevation and laboratory analytical data to evaluate groundwater flow conditions and the extent of Dual Site chemical plumes, and to confirm that the benzene plume is continuing to be contained through intrinsic biodegradation. Findings from the 2017 groundwater monitoring event are summarized below.

5.1 GROUNDWATER LEVELS AND FLOW

Conclusions regarding groundwater levels and flow are as follows:

- Groundwater levels have increased in the water table, MBFB, MBFC / Merged MBFB/MBFC, and Gage Aquifer, continuing the long-term trend of rising groundwater at the Dual Site. The collective average increase for these for these units since the 2016 monitoring event is approximately 1.2 feet.
- Groundwater levels in the Lynwood Aquifer declined slightly for six of the seven Montrose Site wells monitored since 2016. Historical water level data for PBF Site Lynwood Aquifer wells was not available for review.
- The water table groundwater flow direction and horizontal hydraulic gradient remain variable, which is consistent with previous monitoring events.
- The MBFB, MBFC / Merged MBFB/MBFC, and Gage Aquifer groundwater flow directions remain southeasterly, while the gradient in the Lynwood Aquifer remains easterly.
- Potential vertical gradients between HSUs remain downward.

5.2 DISSOLVED PLUME DISTRIBUTIONS

5.2.1 Chlorobenzene

Conclusions regarding chlorobenzene are as follows:

- The overall distribution of chlorobenzene in all HSUs remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events.
- All reported chlorobenzene concentrations in the Lynwood Aquifer were below the ISGS value of 70 µg/L.

5.2.2 pCBSA

Conclusions regarding pCBSA are as follows:

- The overall distribution of pCBSA in all HSUs remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events.
- Additional monitor wells, as identified in Section 4, will be added to the monitoring program beginning in 2018 to increase understanding of the nature and extent of pCBSA in the MBFC, Gage, and Lynwood Aquifers at the Dual Site.

5.2.3 Chloroform

Conclusions regarding chloroform are as follows:

- The overall distribution of chloroform in all HSUs remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events.
- All reported chloroform concentrations in the Gage and Lynwood Aquifers were below the ISGS value of 100 µg/L.

5.2.4 Benzene

Conclusions regarding benzene are as follows:

- ROD-defined benzene plumes in the water table, MBFB, and MBFC / Merged MBFB/MBFC are generally consistent with the 2016 plumes and are entirely within the TI Waiver Zone.
- The ROD-defined benzene plume for the Gage Aquifer is limited to the vicinity of wells SWL0036 (2.9 µg/L) and SWL0063 (180 µg/L) and is outside the TI Waiver Zone. The need for contingent remedial action to address this transgression will be evaluated in a future MACR after the TGRS has begun long-term operation and the impact of the system on the plume can be assessed.
- There were no detections of benzene in the Lynwood Aquifer in 2017.
- Multiple, independent lines of evidence indicate that aerobic and anaerobic biodegradation of benzene continues to occur in the water table and MBFB / Merged MBFB/MBFC units and is sufficient to contain the plume within the TI Waiver Zone at the Del Amo Site. These lines of evidence include biodegradation indicator data, microbial DNA gene group counts and their correlation with benzene concentrations, and statistical- or modeling-based estimates of various benzene attenuation rates. Since biodegradation of benzene is occurring in the water table and MBFB / Merged MBFB/MBFC units, it is likely or probable that biodegradation of benzene also occurs in the Gage Aquifer.

5.2.5 PCE

Conclusions regarding PCE are as follows:

- The overall distribution of PCE in all HSUs remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events.
- PCE was not detected above laboratory reporting limits in any Lynwood Aquifer wells.
- All reported PCE concentrations in the Gage and Lynwood Aquifers were below the ISGS value of 5 µg/L.

5.2.6 TCE

Conclusions regarding TCE are as follows:

- The overall distribution of TCE in all HSUs remains relatively unchanged from the 2014, 2015, and 2016 baseline groundwater monitoring events.
- TCE was not detected above laboratory reporting limits in any Lynwood Aquifer wells.

5.2.7 TBA

Conclusions regarding TBA are as follows:

- Water table TBA plumes are present at three areas within the Dual Site and one area at the Boeing Site and are generally consistent with 2016 plume locations.
- MBFB TBA plumes at the Del Amo Site and the Boeing Site are identical to the water table plumes in these areas. The two plumes remain generally consistent with those for 2016.
- Two MBFC / Merged MBFB/MBFC TBA plumes are present within the Dual Site and remain generally consistent with those for 2016.
- TBA was detected in one Gage Aquifer well at the Boeing Site (MWG003) at a concentration of 9.9 (J) µg/L.
- TBA was not detected in any Lynwood Aquifer wells.

6 RECOMMENDATIONS

6.1 MONTROSE MONITORING NETWORK

6.1.1 Operation and Maintenance

A revised version of the MACP and the Sampling and Analytical Plan is being prepared by Montrose to update the current 2014 version (AECOM, 2014). Continued operation and maintenance of the Montrose monitoring network wells is recommended, in accordance with the 2014 MACP (AECOM) or an updated version, once approved.

6.1.2 Additional Groundwater Monitoring

In order to provide additional data to further understand the nature and extent of pCBSA at the Dual Site, and to monitor the injection of treated groundwater, the Montrose monitoring well network will be expanded. The existing in-lieu monitor wells and new monitor wells identified in Section 4 of this document will be added to the monitoring plan beginning in 2018.

Additional information regarding the selection and location of the additional wells can be found in the USEPA-approved *Workplan for Additional Wells for pCBSA Data Acquisition* (GES, 2018).

6.2 DEL AMO MONITORING NETWORK

6.2.1 Operation and Maintenance

The continued operation and maintenance of the Del Amo Site monitoring network wells is recommended, in accordance with the 2014 MACP (URS) and updated Sampling and Analytical Plan (Table 2). Wells will continue to be inspected during each groundwater sampling event and maintenance will be performed at wells identified in Appendix C. The existing monitoring well network is sufficient to provide the data needed to evaluate groundwater flow directions and the extent of Del Amo Site chemical plumes, and to confirm containment of the benzene plume through intrinsic biodegradation.

6.2.2 Installation of Additional Monitoring Wells

A Groundwater Data Set Refinement Work Plan was submitted to the USEPA in December 2016 (AECOM, 2016b). The work plan presents a scope of work to further characterize soil and groundwater conditions at the Del Amo Site. Activity associated with the work plan will commence upon approval by USEPA.

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TABLES

Table 1
ROD Monitoring Objectives
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
Los Angeles, CA
2017 Baseline MACR

Minimum Objectives of the Monitoring Plan with Respect to Containment Zone (Section 8.03.01 of ROD[1])
Confirmation that contaminants within the containment zone have not left the zone
Data sufficient to reliably evaluate compliance with any and all requirements, standards, and provisions in this ROD
Reliable evaluation of the lateral and vertical movements of all contaminants of concern within the containment zone
Reliable evaluation of the lateral and vertical movements of benzene, TCE, and chlorobenzene in response to hydraulic extraction in the overall system;
Evaluation of the effectiveness of partial containment of the TCE plume by hydraulic extraction and the degree of movement of TCE toward the boundary of the containment zone;
Data sufficient to determine groundwater levels, hydraulic gradients, reliable groundwater elevation contour maps, effects of any local pumping both on and off the Joint Site, and groundwater flow velocities within all of the affected hydrostratigraphic units at the Joint Site
Verification and evaluation of the zones of capture of extraction wells and the radii of influence of extraction and injection wells
Reliable evaluation of gradient control measures;
Data sufficient to measure and verify drawdowns in the immediate vicinity of the NAPL sources due to pumping
Evaluation of efforts to optimize the wellfields and pump rates associated with hydraulic extraction and aquifer injection of treated water so as to provide the greatest certainty of long-term containment, and reduce the potential for plume interactions and adverse migration of NAPL and dissolved contaminants;
Reliable concentrations of contaminants in treatment system influent and effluent, and treatment streams so as to assess the effectiveness and performance of the treatment system; and,
Additional aquifer tests including but not limited to aquifer stress, pumping, and recovery tests, such as to provide estimates of local or general parameters such as hydraulic conductivity, storativity, specific yield, as determined necessary in the monitoring plan

Minimum Objectives of the Monitoring Plan with Respect to Plume Reduction (Section 9.04.01 of ROD[1])
Data sufficient to reliably evaluate compliance with any and all requirements, standards, and provisions in this ROD
Reliable estimates of the rate that the volume of contaminated groundwater with concentrations of contaminants above ISGS levels is being reduced
Reliable estimates of the rate that mass of contaminants is being removed from the groundwater
Reliable estimates of the pore volume flushing rates throughout the remaining plume that is contaminated with concentrations of contaminants in excess of ISGS levels;
Reliable evaluation of the lateral and vertical movements of all contaminants of concern within the plume reduction zone
Reliable evaluation of the lateral and vertical movements of benzene, TCE, and chlorobenzene in response to hydraulic extraction in all hydrostratigraphic units
Data sufficient to determine groundwater levels, hydraulic gradients, reliable groundwater elevation contour maps, effects of any local pumping both on and off the Joint Site, drawdowns, and groundwater flow velocities within all of the affected hydrostratigraphic units at the Joint Site
Verification and evaluation of the zones of capture of extraction wells and the radii of influence of extraction and injection wells
Reliable evaluation of the effectiveness of vertical and horizontal gradient control measures
Data sufficient to measure and verify drawdowns in the immediate vicinity of the NAPL sources due to pumping
Evaluation of efforts to optimize the wellfields and pump rates associated with hydraulic extraction and aquifer injection so as to provide the greatest certainty of long-term containment, and reduce the potential for plume interactions and adverse migration of NAPL and dissolved contaminants
Reliable concentrations of contaminants in treatment system influent and effluent, and treatment streams so as to assess the effectiveness and performance of the treatment system; and,
Additional aquifer tests including but not limited to aquifer stress, pumping, and recovery tests, such as to provide estimates or local or general parameters such as hydraulic conductivity, storativity, specific yield, as determined necessary in the monitoring plan

Additional Monitoring Requirements for pCBSA (from Section 12.02 of ROD[1])
Continued monitoring of the downgradient extent of the pCBSA distribution in all hydrostratigraphic units in which it occurs so that EPA can evaluate its proximity to production wells;
Continue monitoring of the side-gradient extent of the pCBSA distribution in all hydrostratigraphic units where it occurs so that EPA can evaluate the effect of aquifer injection of treated water which still contains some pCBSA;
Periodic measurements of pCBSA concentrations within the core of the pCBSA distribution to assess the effects of redistribution and dilution that occur as a result of aquifer injection of treated water which still contains some pCBSA; and
Monitoring of water from the production wells in nearest proximity to the downgradient toe of the pCBSA distribution as identified in the approved monitoring plan.

[1]ROD = USEPA, 1999. Record of Decision for Dual Site Groundwater Operable Unit, Montrose Chemical and Del Amo Superfund Sites, March.

Table 2
Sampling and Analytical Plan
Montrose Chemical and Del Amo Superfund Sites, Dual Site Groundwater Operable Unit
4th Baseline Groundwater Sampling Event, September 2017

Wells			Water Level Gauging								Baseline Sampling Event																Selection Rationale / Comment
ID	Well Owner	HSU	Responsible Party	Top of screen (ft bgs)	Bottom of screen (ft bgs)	Measuring Point Elevation (MSL)	2016 Water Level (ft btoc)	Top of screen (ft MSL NGVD29)	Bottom of screen (ft MSL NGVD29)	2016 Water Elevation (ft MSL NGVD29)	Del Amo	Montrose	Boeing	JCI	ILM	Montrose Split Sample for pCBSA only	Analysis (Montrose responsible for pCBSA)	Benzene (ug/L)/date		MCB (ug/L)/date		pCBSA (ug/L)/date		
AW0051UB	Boeing	Water Table	Boeing	68.5	88.5	50.69	60.03	-17.81	-37.81	-9.34			X				8260B VOC, TBA	16	Sep-16	<10	Sep-16	NS		Monitor Former C6 Source Area
AW0055UB	Boeing	Water Table	Boeing	69	89	51.09	60.41	-17.91	-37.91	-9.32			X				8260B VOC, TBA	13	Sep-16	<2.0	Sep-16	NS		Monitor Former C6 Source Area
AW0074UB	Boeing	Water Table	Boeing	70	90	50.28	59.7	-19.72	-39.72	-9.42			X				8260B VOC, TBA	37	Sep-16	<10	Sep-16	NS		Monitor Former C6 Source Area
BF-01	Montrose	MBFC	ILM	113.5	124	48.39	58.11	-65.11	-75.61	-9.72					X	X	8260B VOC, 8270C SIM 1,4-dioxane, EPA 314.0 (M) pCBSA	<0.50	Sep-16	12	Sep-16	110	Sep-16	Delineate NW plume boundary; part of ILM program
BF-02	Montrose	MBFC	Montrose	114	124.5	49.5	59.3	-64.50	-75.00	-9.80		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<500	Sep-16	34000	Sep-16	78000 J	Sep-16	Source area well along S boundary of Montrose Property
BF-03	Montrose	MBFC	Montrose	113.5	124	48.27	58.32	-65.23	-75.73	-10.05		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<100	Sep-16	6300	Sep-16	36000 J	Sep-16	Source area well at Montrose Property
BF-04	Montrose	MBFC	Montrose	112	123	47.64	57.56	-64.36	-75.36	-9.92		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<200	Sep-16	18000	Sep-16	98000 J	Sep-16	Source area well near BF-EW-5 at Montrose Property
BF-05	Montrose	MBFC	Montrose	122	132	39.37	49.51	-82.63	-92.63	-10.14		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	<5.0 UJ	Sep-16	Delineate NE plume boundary at Jon St
BF-06	Montrose	MBFC	Del Amo	115.00	125.00	41.70	51.94	-73.30	-83.30	-10.24	X					X	8260B VOC, EPA 314.0 (M) pCBSA	10	Sep-16	1900	Sep-16	14000	Sep-16	Confirm west benzene plume; Delineate plume SE of Montrose Property; part of Del Amo program
BF-07	Montrose	MBFC	Montrose	106	116	42.59	52.84	-63.41	-73.41	-10.25							NS	NS		NS		NS		Adjacent to BF-EW-1
BF-09	Montrose	MBFC	Montrose	107	128	48.69	58.66	-58.31	-79.31	-9.97		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<1000	Sep-16	74000	Sep-16	380000 J	Sep-16	Source area well at Montrose Property
BF-10	Montrose	Merged MBFB/MBFC	Montrose	120	130	28.67	40.01	-91.33	-101.33	-11.34		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.47 J	Sep-16	16	Sep-16	Delineate E boundary of plume
BF-11	Montrose	Merged MBFB/MBFC	Montrose	104	124	33.66	45.49	-70.34	-90.34	-11.83		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	1.5	Sep-16	<5.0 UJ	Sep-16	Delineate plume N of BF-EW-4
BF-12	Montrose	Merged MBFB/MBFC	Montrose	110	120	22.2	34.13	-87.80	-97.80	-11.93		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<40	Sep-16	2100	Sep-16	39000 J	Sep-16	Delineate eastern boundary of plume
BF-13	Montrose	Merged MBFB/MBFC	Del Amo	117.00	137.00	29.52	40.32	-87.48	-107.48	-10.80	X					X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	<10	Sep-16	Interior of waste pits plume; E of plume and adjacent to G-11; part of Del Amo program
BF-14	Montrose	Merged MBFB/MBFC	Montrose	111	121	36.3	47.14	-74.70	-84.70	-10.84		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	0.71	Sep-16	500	Sep-16	5600 J	Sep-16	Delineate plume SE of Montrose Property
BF-15	Montrose	Merged MBFB/MBFC	Montrose	98	113	22.82	33.43	-75.18	-90.18	-10.61		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<100	Sep-16	3900	Sep-16	26000	Sep-16	Delineate plume center SE of Montrose Property
BF-16	Montrose	MBFC	Montrose	103	124	35.31	46.74	-67.69	-88.69	-11.43		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	6	Sep-16	170	Sep-16	20000 J	Sep-16	Delineate S boundary of plume
BF-17	Montrose	Merged MBFB/MBFC	Montrose	100	120	22.67	34.55	-77.33	-97.33	-11.88		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<50	Sep-16	3700	Sep-16	27000 J	Sep-16	Delineate plume downgradient of BF-EW-2
BF-19	Montrose	MBFC	Montrose	128	133	40.44	50.54	-87.56	-92.56	-10.10		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.16 J	Sep-16	<5.0 UJ	Sep-16	Delineate NE plume boundary on Francisco St
BF-20	Montrose	MBFC	ILM	110	129	48.39	58.34	-61.61	-80.61	-9.95					X	X	8260B VOC, 8270C SIM 1,4-dioxane, EPA 314.0 (M) pCBSA	<5.0	Sep-16	1300	Sep-16	14000	Sep-16	Delineate W plume boundary; part of ILM program
BF-21	Montrose	MBFC	Montrose	96	121	39.67	50.24	-56.33	-81.33	-10.57		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	3.8 J	Sep-16	250	Sep-16	27000	Sep-16	Delineate W of BF-EW-3
BF-22	Montrose	Merged MBFB/MBFC	Montrose	87	117	34.29	45.49	-52.71	-82.71	-11.20		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.46 J	Sep-16	15000	Sep-16	Delineate S plume boundary
BF-23	Montrose	Merged MBFB/MBFC	Montrose	101	116	25.93	36.39	-75.07	-90.07	-10.46		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.15 J	Sep-16	4.6 J	Sep-16	Delineate E extent of plume
BF-24	Montrose	Merged MBFB/MBFC	Montrose	96	121	31.18	43.23	-64.82	-89.82	-12.05		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<100	Sep-16	3700	Sep-16	26000 J	Sep-16	Delineate plume center N of BF-EW-2
BF-25	Montrose	Merged MBFB/MBFC	Montrose	94	104	23.7	35.81	-70.30	-80.30	-12.11		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.48 J	Sep-16	690 J	Sep-16	Delineate toe of plume
BF-26	Montrose	Merged MBFB/MBFC	Montrose	90	105	35.48	47.91	-54.52	-69.52	-12.43		X					8260B VOC, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	<5.0 UJ	Sep-16	Downgradient of BF-25; historically ND
BF-27	Montrose	Merged MBFB/MBFC	Montrose	101	121	24.18	36.41	-76.82	-96.82	-12.23		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	<5.0 UJ	Sep-16	Delineate toe of plume
BF-28	Montrose	Merged MBFB/MBFC	Montrose	95	110	33.84	46.29	-61.16	-76.16	-12.45		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	330 J	Sep-16	Delineate toe of plume
BF-29	Montrose	MBFC	Montrose	100	120	39.62	50.11	-60.38	-80.38	-10.49		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.82	Sep-16	59 J	Sep-16	Delineate SW boundary of plume
BF-30	Montrose	Merged MBFB/MBFC	Montrose	82	113	24.58	35.66	-57.42	-88.42	-11.08		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	15 J	Sep-16	Delineate S of BF-22
BF-31	Montrose	MBFC	Montrose	105	135	37.55	48.11	-67.45	-97.45	-10.56		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.49 J	Sep-16	80 J	Sep-16	Delineate SW boundary of plume
BF-32A	Montrose	MBFC	Montrose	65	115	50.81	60.18	-14.19	-64.19	-9.37		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	<5.0 UJ	Sep-16	Sentinel well W of plume; screened across multiple zones
BF-33	Montrose	MBFC	Montrose	60	100	35.98	46.31	-24.02	-64.02	-10.33		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	<5.0 UJ	Sep-16	Remote ND well SW of plume; screened across two zones
BF-34	Montrose	MBFC	ILM	106	126	55.6	65.65	-50.40	-70.40	-10.05					X		8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome	<1.0	Sep-16	<2.0	Sep-16	<5.0	Aug-15	Upgradient well; redundant to BF-1; part of ILM program
BF-35	Montrose	MBFC	Montrose	105.5	126	50.34	60.46	-55.16	-75.66	-10.12		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<50	Sep-16	3300	Sep-16	27000	Sep-16	Delineate N plume boundary; W of CMW002
BF-36	Montrose	Merged MBFB/MBFC	Montrose	111	126	34.65	48.01	-76.35	-91.35	-13.36		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	<5.0	Sep-16	Remote ND downgradient sentinel well
BF-EW-1	Montrose	MBFC	Montrose	85	128	36.14	46.20	-48.86	-91.86	-10.06							NS	130	Sep-16	32000	May-17	100000	May-17	TGRS extraction well; obtain WL from transducer data
BF-EW-2	Montrose	Merged MBFB/MBFC	Montrose	69	125	23.27	34.64	-45.73	-101.73	-11.37							NS	44	Sep-16	11000	May-17	48000	May-17	TGRS extraction well; obtain WL from transducer data
BF-EW-3	Montrose	Merged MBFB/MBFC	Montrose	60	120	19.12	29.77	-40.88	-100.88	-10.65							NS	7.2	Sep-16	4600 *	May-17	25000	May-17	TGRS extraction well; obtain WL from transducer data
BF-EW-4	Montrose	Merged MBFB/MBFC	Montrose	66	126	28.42	42.39	-37.58	-97.58	-13.97							NS	6	Sep-16	930	May-17	27000	May-17	TGRS extraction well; obtain WL from transducer data
BF-EW-5	Montrose	MBFC	Montrose	108	128	38.24	47.79	-69.76	-89.76	-9.55							NS	51	Sep-16	55000	May-17	130000	May-17	TGRS extraction well; obtain WL from transducer data
BF-IW-1	Montrose	MBFC	Montrose	106.9	125	55.13	64.78	-51.77	-69.87	-9.65							NS	NS		NS		NS		Inactive TGRS injection well; gauge well
BF-IW-2	Montrose	Merged MBFB/MBFC	Montrose	61.5	144	21.43	34.34	-40.07	-122.57	-12.91							NS	NS		NS		NS		Inactive TGRS injection well; gauge well
BF-OW-1	Montrose	MBFC	ILM	110	122	54.69	64.27	-55.31	-67.31	-9.58					X	X	8260B VOC, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.94 J	Sep-16	2.9 J	Sep-16	Observation well near BF-IW-1; part of ILM program
BF-OW-3	Montrose	Merged MBFB/MBFC	Montrose	70	120	29.32	40.51	-40.68	-90.68	-11.19							NS	NS		14,000	Jan-12	NS		Observation well adjacent to BF-EW-2
BF-OW-4	Montrose	MBFC	Montrose	98	118	41.2	51.89	-56.80	-76.80	-10.69		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<50	Sep-16	2600	Sep-16	38000	Sep-16	Observation well adjacent to G-EW-3
BL-10A	ILM	MBFB	ILM	65	80	55.34	64.56	-9.66	-24.66	-9.22					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
BL-10B	ILM	MBFC	ILM	109	119	55.15	64.53	-53.85	-63.85	-9.38					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<1.0	Sep-16	<2.0	Sep-16	NS		Part of ILM program
BL-10C	ILM	Gage	ILM	145	155	55.28	65.09	-89.72	-99.72	-9.81					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
BL-11A	ILM	MBFB	ILM	65	80	55.31	64.41	-9.69	-24.69	-9.10					X		8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
BL-11B	ILM	MBFC	ILM	109	119	55.29	65.11	-53.71	-63.71	-9.82					X		8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome	<1.0	Sep-16	<2.0	Sep-16	NS		Part of ILM program
BL-11C	ILM	Gage	ILM	145	155	55.28	65.26	-89.72	-99.72	-9.98					X		8260B VOC, 8270C SIM 1,4-dioxane,	<0.50	Sep-16	170	Sep-16	NS		Part of ILM program
BL-12A	ILM	MBFB	ILM	64	79	55.25	64.65	-8.75	-23.75	-9.40					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<5.0	Sep-16	<10	Sep-16	NS		Part of ILM program
BL-12B	ILM	MBFC	ILM	104	114	55.15	64.81	-48.85	-58.85	-9.66					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<5.0	Sep-16	<10	Sep-16	NS		Part of ILM program
BL-12C	ILM	Gage	ILM	145	155	55.44	65.51	-89.56	-99.56	-10.07					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	0.23 J	Sep-16	150	Sep-16	NS		Part of ILM program
BL-13A	ILM	MBFB	ILM	60	80	52.92	62.76	-7.08	-27.08	-9.84					X		8260B VOC, 7199 Hex Chrome	<0.50	Sep-16	0.26 J	Sep-16	NS		Part of ILM program
BL-13BD	ILM	MBFC	ILM	120	130	52.89	62.84	-67.11	-77.11	-9.95					X	X	8260B VOC, EPA 314.0 (M) pCBSA	0.19 J	Sep-16	210	Sep-16	2000	Sep-16	Part of ILM program; MBFC western pCBSA extent
BL-13C	ILM	Gage	ILM	154	164	53.26	63.56	-100.74	-110.74	-10.30					X	X	8260B VOC, EPA 314.0 (M) pCBSA	0.21 J	Sep-16	170	Sep-16	3100	Sep-16	Part of ILM program; delineate W of Montrose Property
BL-14A	ILM	MBFB	ILM	55.3	80.3	54.25	63.08	-1.05	-26.05	-8.83					X	X	8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	<5.0	Sep-16	Part of ILM program; delineate pCBSA near western injection cluster; Delineate pCBSA near western injection cluster
BL-14B	ILM	MBFC	ILM	113.5	133.5	54.21	63.99	-59.29	-79.29	-9.78					X	X	8260B VOC, 8270C SIM 1,4-dioxane, EPA 314.0 (M) pCBSA	<0.50	Sep-16	25	Sep-16	490	Sep-16	Part of ILM program; delineate pCBSA near western injection cluster; Delineate pCBSA near western injection cluster
BL-14C	ILM	Gage	ILM	150.1	165.1	54.41	63.79	-95.69	-110.69	-9.38					X	X	8260B VOC, 8270C SIM 1,4-dioxane, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	May-17	<5.0	Sep-16	Part of ILM program; delineate pCBSA near western injection cluster
BL-3	ILM	MBFB	ILM	61.5	81.5	56.43	65.48	-5.07	-25.07	-9.05					X		8260B VOC, 7199 Hex Chrome	<1.0	Sep-16	<2.0	Sep-16	NS		Part of ILM program
BL-9A	ILM	MBFB	ILM	65	80	52.68	61.32	-12.32	-27.32	-8.64					X		8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
BL-9B	ILM	MBFC	ILM	109	119	52.86	61.7	-56.14	-66.14	-8.84					X		8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
BL-9C	ILM	Gage	ILM	155.1	175.1	53.68	63.17	-101.42	-121.42	-9.49					X		8260B VOC, 8270C SIM 1,4-dioxane	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
CMW001	Boeing	MBFC	Boeing	99	124	51.92	62.16	-47.08	-72.08	-10.24			X			X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	41	Sep-16	7600	Sep-16	44000	Sep-16	C6 Site Boundary Well N of Montrose Property
CMW002	Boeing	MBFC	Boeing	99	124	50.36	60.58	-48.64	-73.64	-10.22			X			X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	240 J	Sep-16	120000	Sep-16	81000	Mar-17	C6 Site Boundary Well N of Montrose Property; gauge DNAPL thickness
CMW026	Boeing	MBFC	Boeing	92	117	49.08	59.3	-42.92	-67.92	-10.22			X				8260B VOC, TBA	<2.0	Sep-16	<4.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
DAC-P1	Boeing	MBFB	Boeing	60	90	52.68	61.37	-7.32	-37.32	-8.69			X				8260B VOC, TBA	<20	Sep-16	<40	Sep-16	NS		Track plume up/cross-gradient of C6
EWB002	Boeing	MBFB	Boeing	60	90	51.29	60.59	-8.71	-38.71	-9.30			X				8260B VOC, TBA	41	Sep-16	<1.0	Sep-16	NS		Monitor Former C6 Source Area and bio-ammendment area
EWB003	Boeing	MBFB	Boeing	65	95	48.74	61.72	-16.26	-46.26	-12.98			X				8260B VOC, TBA	0.33 J	Sep-16	<1.0	Sep-16	NS		C6 Extraction Well
EWC001	Boeing	MBFC	Boeing	97	122	50.14	59.62	-46.86	-71.86	-9.48			X				8260B VOC, TBA	11	Sep-16	0.86 J	Sep-16	NS		C6 interior plume and extraction performance monitoring
EWC003	Boeing	MBFC	Boeing	102	122	49.99	63.94	-52.01	-72.01	-13.95			X				8260B VOC, TBA	5.7	Sep-16	<4.0	Sep-16	NS		C6 Extraction Well
EWC004	Boeing	MBFC	Boeing	95	120	49.06	59.31	-45.94	-70.94	-10.25			X				8260B VOC, TBA	<2.0	Sep-16	<4.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
EWC005	Boeing	MBFC	Boeing	105	135	48.8	94.99	-56.20	-86.20	-46.19			X				8260B VOC, TBA	<1.0	Sep-16	6.8	Sep-16	NS		C6 Extraction Well
EWC006	Boeing	MBFC	Boeing	107	122	52.33	63.49	-54.67	-69.67	-11.16			X				8260B VOC	<0.50	Sep-16	<1.0	Sep-16	NS		C6 Extraction Well
EWG001	Boeing	Gage	Boeing	155	195	50.35	115.58	-104.65	-144.65	-65.23			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 Extraction Well
EWG002	Boeing	Gage	Boeing	165	200	50.22	65.13	-114.78	-149.78	-14.91			X				8260B VOC, TBA	<0.50	Sep-16	0.41 J	Sep-16	NS		C6 Extraction Well
G-01	Montrose	Gage	Montrose	140.5	161	46.66	57.13	-93.84	-114.34	-10.47		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	12	Sep-16	64	Sep-16	Delineate plume at N boundary of Montrose Property
G-01WC	Del Amo	Merged MBFB/MBFC	Del Amo	80.00	90.00	26.75	37.45	-53.25	-63.25	-10.70	X						8260B VOC, TBA, Biodeg	<0.50	Sep-16	<1.0	Sep-16	NS		SE extent of plume; biodeg transect
G-02	Montrose	Gage	Montrose	155	175.5	43.26	54.32	-111.74	-132.24	-11.06		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	26	Sep-16	37	Sep-16	Source area well at SE corner of Montrose Property
G-02WC	Del Amo	Merged MBFB/MBFC	Del Amo	82.00	92.00	34.17	44.82	-47.83	-57.83	-10.65	X					X	8260B VOC, EPA 314.0 (M) pCBSA	<2.5	Sep-16	410	Sep-16	7400	Sep-16	S of TI Waiver Zone; Delineate E plume boundary; part of Del Amo program

Table 2
Sampling and Analytical Plan
Montrose Chemical and Del Amo Superfund Sites, Dual Site Groundwater Operable Unit
4th Baseline Groundwater Sampling Event, September 2017

Wells			Water Level Gauging								Baseline Sampling Event														Selection Rationale / Comment
ID	Well Owner	HSU	Responsible Party	Top of screen (ft bgs)	Bottom of screen (ft bgs)	Measuring Point Elevation (MSL)	2016 Water Level (ft btoc)	Top of screen (ft MSL NGVD29)	Bottom of screen (ft MSL NGVD29)	2016 Water Elevation (ft MSL NGVD29)	Del Amo	Montrose	Boeing	JCI	ILM	Montrose Split Sample for pCBSA only	Analysis (Montrose responsible for pCBSA)	Benzene (ug/L)/date		MCB (ug/L)/date		pCBSA (ug/L)/date		
G-03	Montrose	Gage	Montrose	145.5	166	49.7	60.26	-95.80	-116.30	-10.56		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	0.66	Sep-16	440	Sep-16	8500	Sep-16	Delineate plume at S boundary of Montrose Property
G-04	Montrose	Gage	Montrose	154	194	39.7	50.87	-114.30	-154.30	-11.17		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	34	Sep-16	1700	Sep-16	Delineate NE boundary of plume on Jon St
G-05	Montrose	Gage	Montrose	151	190	41.71	52.82	-109.29	-148.29	-11.11		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<100	Sep-16	4600	Sep-16	31000	Sep-16	Delineate plume center E of Property on LADWP ROW
G-06	Montrose	Gage	Montrose	149	190	42.53	53.54	-106.47	-147.47	-11.01							NS	NS		1,500	Mar-12	NS		Adjacent to G-EW-1
G-08	Montrose	Gage	Montrose	140	180	22.52	34.13	-117.48	-157.48	-11.61		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	0.57	Sep-16	320	Sep-16	5100	Sep-16	Delineate SW boundary of plume
G-09	Montrose	Gage	Montrose	171	213	28.58	41.15	-142.42	-184.42	-12.57		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<12	Sep-16	650	Sep-16	23000	Sep-16	Delineate SE boundary of plume
G-12	Montrose	Gage	Montrose	158	198	25.85	37.92	-132.15	-172.15	-12.07		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<100	Sep-16	3800	Sep-16	35000	Sep-16	Delineate plume center SE of Property on Catalina St
G-13	Montrose	Gage	Montrose	157	197	36.09	47.94	-120.91	-160.91	-11.85		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<40	Sep-16	1700	Sep-16	25000	Sep-16	Delineate plume center SE of Property on Budlong Ave
G-14	Montrose	Gage	Montrose	155	195	40.62	51.36	-114.38	-154.38	-10.74		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	<5.0	Sep-16	Delineate NE of plume on Francisco St
G-15	Montrose	Gage	Montrose	142	182	48.71	59.2	-93.29	-133.29	-10.49		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.17 J	Sep-16	<5.0	Sep-16	Delineate W of plume at Farmer Bros
G-16	Montrose	Gage	Montrose	145	185	37.1	48.51	-107.90	-147.90	-11.41		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	32	Sep-16	Delineate SW boundary of plume
G-17	Montrose	Gage	Del Amo	172.00	212.00	35.99	47.64	-136.01	-176.01	-11.65	X					X	8260B VOC, EPA 314.0 (M) pCBSA	1.9	Sep-16	100	Sep-16	6000	Sep-16	S ext of on-site plume; Delineate E boundary of plume; part of Del Amo program
G-18	Montrose	Gage	Montrose	161	201	21.7	34.17	-139.30	-179.30	-12.47		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	1400 J	Sep-16	Delineate E boundary of plume
G-19A	Montrose	Gage	Montrose	160	200	35.23	47.37	-124.77	-164.77	-12.14		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<5.0	Sep-16	270	Sep-16	7500	Sep-16	Located between G-EW-4 and G-EW-5
G-20	Montrose	Gage	ILM	155	175	55.39	65.63	-99.61	-119.61	-10.24					X	X	8260B VOC, EPA 314.0 (M) pCBSA	<0.50	Sep-16	1.6	Sep-16	2.9 J	Sep-16	Delineate W boundary of plume; part of ILM program
G-21	Montrose	Gage	Montrose	149	169	47.67	58.54	-101.33	-121.33	-10.87		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<5.0	Sep-16	73	Sep-16	460	Sep-16	Delineate N boundary of plume; historically ND
G-22	Montrose	Gage	Montrose	152	192	24.22	36.77	-127.78	-167.78	-12.55							NS	NS		380	Mar-14	13000	Jan-12	Adjacent to G-EW-2
G-23	Montrose	Gage	Montrose	148	178	34.83	46.96	-113.17	-143.17	-12.13		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	120	Sep-16	Delineate S boundary of plume
G-24	Montrose	Gage	Montrose	138.3	178.3	40.4	51.64	-97.90	-137.90	-11.24		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<25	Sep-16	1700	Sep-16	9700	Sep-16	Delineate N of G-EW-3
G-25	Montrose	Gage	Montrose	124	164	46.06	56.34	-77.94	-117.94	-10.28		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<2.5	Sep-16	90	Sep-16	2600	Sep-16	Delineate W boundary of plume
G-26	Montrose	Gage	Montrose	132	172	35.72	46.56	-96.28	-136.28	-10.84		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<1.0	Sep-16	54	Sep-16	510	Sep-16	Delineate S of G-EW-3
G-27	Montrose	Gage	Montrose	124	164	24.52	36.27	-99.48	-139.48	-11.75		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	<5.0	Sep-16	Sentinel ND well S of plume and G-23
G-28	Montrose	Gage	Montrose	148	188	35.54	48.59	-112.46	-152.46	-13.05		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.72	Sep-16	1100	Sep-16	Sentinel ND well SE of plume and S of G-35
G-29	Montrose	Gage	Montrose	157	197	35.42	49.38	-121.58	-161.58	-13.96		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	9700 J	Sep-16	pCBSA monitoring well
G-30	Montrose	Gage	Montrose	135	165	44.96	55.21	-90.04	-120.04	-10.25		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	5.3	Sep-16	Sentinel ND well SW of plume
G-31	Montrose	Gage	Montrose	145	175	36.6	52.61	-108.40	-138.40	-16.01		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	530	Sep-16	Remote ND well; far downgradient of plume
G-32	Montrose	Gage	Montrose	160	190	32.68	49.11	-127.32	-157.32	-16.43		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	<5.0	Sep-16	pCBSA monitoring well
G-33	Montrose	Gage	Montrose	143	173	50.14	59.86	-92.86	-122.86	-9.72		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	2.2	Sep-16	140	Sep-16	Sentinel well W of plume and G-25
G-34	Montrose	Gage	Montrose	147	187	39.44	52.40	-107.56	-147.56	-12.96		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	<5.0	Sep-16	Remote ND well S of Carson St
G-35	Montrose	Gage	Montrose	150	190	32.07	44.36	-117.93	-157.93	-12.29		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.49 J	Sep-16	3900	Sep-16	Delineate toe of plume
G-EW-1	Montrose	Gage	Montrose	144	198	35.89	47.07	-108.11	-162.11	-11.18							NS	1.8 J	Sep-16	2000	May-17	11000	May-17	TGRS extraction well; obtain WL from transducer data
G-EW-2	Montrose	Gage	Montrose	146	176	19.42	31.32	-126.58	-156.58	-11.90							NS	3.3	Sep-16	1700	May-17	28000	May-17	TGRS extraction well; obtain WL from transducer data
G-EW-3	Montrose	Gage	Montrose	135	173	36.3	46.74	-98.70	-136.70	-10.44							NS	2.4	Sep-16	1300	May-17	7900	Sep-16	TGRS extraction well; obtain WL from transducer data
G-EW-4	Montrose	Gage	Montrose	160	200	33.19	--	-126.81	-166.81	--							NS	2.5	Sep-16	2700	9/7/2016	22000	May-17	TGRS extraction well; obtain WL from transducer data
G-EW-5	Montrose	Gage	Montrose	155	190	32.37	44.01	-122.63	-157.63	-11.64							NS	NS		13000	Mar-14	110000	Dec-13	Inactive TGRS well; need to gauge WL
G-IW-1	Montrose	Gage	Montrose	138	163	49.80	59.59	-88.20	-113.20	-9.79							NS	NS		0.30 J	May-17	<5.0	May-17	TGRS injection well; obtain WL from transducer data
G-IW-2	Montrose	Gage	Montrose	173	214	28.18	41.10	-144.82	-185.82	-12.92							NS	NS		NS		NS		TGRS injection well; obtain WL from transducer data
G-IW-3	Montrose	Gage	Montrose	144	194	46.76	56.49	-97.24	-147.24	-9.73							NS	NS		<0.50	May-17	<5.0	May-17	TGRS injection well; obtain WL from transducer data
G-IW-4	Montrose	Gage	Montrose	175	215	28.60	--	-146.40	-186.40	--							NS	NS		4.0	Apr-13	490	Apr-13	TGRS injection well; obtain WL from transducer data
G-IW-5	Montrose	Gage	Montrose	170	210	27.24	41.10	-142.76	-182.76	-13.86							NS	NS		<0.50	May-13	2500	May-13	TGRS injection well; obtain WL from transducer data
G-IW-6	Montrose	Gage	Montrose	177	217	25.17	37.99	-151.83	-191.83	-12.82							NS	NS		3.5	Sep-14	1900	Sep-14	TGRS injection well (G-11); obtain WL from transducer data
G-IW-7	Montrose	Gage	Montrose	140	195	49.61	59.58	-90.39	-145.39	-9.97							NS	NS		<0.50	May-17	<5.0	May-17	TGRS injection well; obtain WL from transducer data
G-OW-1	Montrose	Gage	ILM	140	185	54.86	64.53	-85.14	-130.14	-9.67					X	X	8260B VOC, EPA 314.0 (M) pCBSA	<0.50	Sep-16	1.5	May-17	17	May-17	Observation well near G-IW-1; part of ILM program
G-OW-3	Montrose	Gage	Montrose	145	155	29.32	41.46	-115.68	-125.68	-12.14		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	1.9	Sep-16	70	Sep-16	3000	Sep-16	Observation well on Royal Blvd near G-EW-5
G-OW-4	Montrose	Gage	Montrose	138	173	41.2	52.33	-96.80	-131.80	-11.13							NS	NS		NS		NS		Observation well adjacent to G-EW-3
GW-07A	Del Amo	Water Table	Del Amo	47.00	57.00	25.70	35.06	-21.30	-31.30	-9.36	X						8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		Plume delineation
GW-07C	Del Amo	Merged MBFB/MBFC	Del Amo	86.30	90.90	25.56	36.55	-60.74	-65.34	-10.99	X						8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		EPA request for TBA data to be included in VOC analysis
IRZCMW001	Boeing	MBFC	Boeing	92	117	49.29	59.53	-42.71	-67.71	-10.24				X			8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
IRZCMW002	Boeing	MBFC	Boeing	96	121	53.15	63.33	-42.85	-67.85	-10.18				X			8260B VOC, TBA	<0.50	Sep-16	1.3	Sep-16	NS		C6 interior plume and extraction performance monitoring
IRZCMW003	Boeing	MBFC	Boeing	92	117	49.24	59.46	-42.76	-67.76	-10.22				X			8260B VOC, TBA	<2.0	Sep-16	<4.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
IRZMW001A	Boeing	MBFB	Boeing	65	75	54.32	64.43	-10.68	-20.68	-10.11				X			8260B VOC, TBA	<10	Sep-16	<20	Sep-16	NS		Monitor Former C6 Source Area
IRZMW001B	Boeing	MBFB	Boeing	80	90	54.25	64.45	-25.75	-35.75	-10.20				X			8260B VOC, TBA	<1.0	Sep-16	<2.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
IRZMW004	Boeing	MBFB	Boeing	65	90	50.61	60.83	-14.39	-39.39	-10.22				X			8260B VOC, TBA	<2.0	Sep-16	<4.0	Sep-16	NS		Delineate C6 plume & track Montrose COCs
IRZMW005	Boeing	MBFB	Boeing	65	90	50.32	60.73	-14.68	-39.68	-10.41							NS	NS		NS		NS		Gauging only
IWB001	Boeing	MBFB	Boeing	65	95	49.18	57.97	-15.82	-45.82	-8.79				X			8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
IWB002	Boeing	MBFB	Boeing	65	95	49.33	58.49	-15.67	-45.67	-9.16				X			8260B VOC, TBA	<2.0	Sep-16	<4.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
IWC001	Boeing	MBFC	Boeing	95	115	50.6	60.78	-44.40	-64.40	-10.18				X		X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.77 J	Sep-16	NS		Delineate C6 plume & track Montrose COCs
IWC003	Boeing	MBFC	Boeing	110	120	53.01	62.42	-56.99	-66.99	-9.41				X			8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		Track plume up/cross-gradient of C6
IWC004	Boeing	MBFC	Boeing	107	142	53.59	63.64	-53.41	-88.41	-10.05				X			8260B VOC, TBA	<1.0	Sep-16	<2.0	Sep-16	NS		Track plume up/cross-gradient of C6
JMWD-01	JCI	Water Table	JCI	50.50	65.50	48.33	58.53	-2.17	-17.17	-10.20					X	X	8260B VOC, EPA 314.0 (M) pCBSA	1.6 J	Sep-16	280	Sep-16	180	Sep-16	Part of ILM program; Cross-gradient well at JCI Property
JMWD-02	JCI	Water Table	JCI	54.00	69.00	46.10	56.41	-7.90	-22.90	-10.31					X	X	8260B VOC, EPA 314.0 (M) pCBSA	18 J	Sep-16	23 J	Sep-16	96	Sep-16	Part of ILM program; Cross-gradient well at JCI Property
JMWD-03	JCI	Water Table	JCI	53.00	68.00	46.18	56.62	-6.82	-21.82	-10.44					X	X	8260B VOC, EPA 314.0 (M) pCBSA	270	Sep-16	63	Sep-16	3.5 J	Sep-16	Part of ILM program
LBF-OW-2	Montrose	Lower Bellflower	Montrose	135	137	--	--	--	--	--							NS	NS		NS		NS		LBF observation well adjacent to BF-EW-1
LBF-OW-3	Montrose	Lower Bellflower	Montrose	134	136	29.34	41.47	-104.66	-106.66	-12.13							NS	NS		14,000	Mar-14	NS		LBF observation well adjacent to BF-EW-2
LG-01	Montrose	Lower Gage	Montrose	188.5	209	43.26	53.88	-145.24	-165.74	-10.62		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	1.2	Sep-16	150	Sep-16	<5.0	Sep-16	SE sentinel well at Montrose Property; adjacent to G-2
LG-02	Montrose	Lower Gage	Montrose	185	205	44.61	55.29	-140.39	-160.39	-10.68		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<120	Sep-16	5700	Sep-16	30000	Sep-16	Sentinel well at center of Montrose Property
LW-01	Montrose	Lynwood	Montrose	230	250	45.02	63.67	-184.98	-204.98	-18.65		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	3.2	Sep-16	4.4 J	Sep-16	Sentinel well at Montrose Property; adjacent to LG-2
LW-02	Montrose	Lynwood	Montrose	232	252	42.07	60.98	-189.93	-209.93	-18.91		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	2.1	Sep-16	42	Sep-16	9.9	Sep-16	E sentinel well at LADWP; adjacent to G-5
LW-03	Montrose	Lynwood	Montrose	238	259	40.33	59.13	-197.67	-218.67	-18.80		X					8260B VOC, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.15 J	Sep-16	<5.0	Sep-16	NE sentinel well at Francisco Ave; adjacent to G-14
LW-04	Montrose	Lynwood	Montrose	225	245	42.64	61.43	-182.36	-202.36	-18.79		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	6.4	Sep-16	210	Sep-16	SE sentinel well at WM; adjacent to G-6
LW-05	Montrose	Lynwood	Montrose	230	250	46.25	65.03	-183.75	-203.75	-18.78		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.26 J	Sep-16	<5.0	Sep-16	Sentinel well at N Montrose boundary; adjacent to G-1
LW-06	Montrose	Lynwood	Montrose	235	255	46.57	65.34	-188.43	-208.43	-18.77		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<4.0	Sep-16	<4.0	Sep-16	<5.0	Sep-16	Sentinel well at E Montrose boundary; near MW-5
LW-07	Montrose	Lynwood	Montrose	230	250	48.68	67.28	-181.32	-201.32	-18.60		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.17 J	Sep-16	<5.0	Sep-16	Sentinel well at S Montrose boundary; adjacent to G-3
MBFB-EW-1	Montrose	MBFB	Montrose	62	77	37.75	47.70	-24.25	-39.25	-9.95		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	2200	Sep-16	19000	Sep-16	110000 J	Sep-16	Inactive extraction well at Waste Management Property
MBFB-OW-1	Montrose	MBFB	ILM	80	96	54.77	64.1	-25.23	-41.23	-9.33					X	X	8260B VOC, EPA 314.0 (M) pCBSA	8600	Sep-16	34 J	Sep-16	11000	Sep-16	Observation well near BF-IW-1; part of ILM program
MW0005	Boeing	MBFB	Boeing	65	85	47.64	58.97	-17.36	-37.36	-11.33				X			8260B VOC, TBA	<1.0	Sep-16	<2.0	Sep-16	NS		C6 Extraction Well
MW-01	Montrose	Water Table	Montrose	63	73	42.77	52.68	-20.23	-30.23	-9.91		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	2600	Sep-16	110000	9/20/2016	480000	Sep-16	Monitor SE corner of Montrose Property
MW-01HD	Del Amo	Water Table	Del Amo	40.00	60.00	30.97	40.26	-9.03	-29.03	-9.29	X						8260B VOC, TBA	29	Sep-16	<5.0	Sep-16	NS		Source area
MW-02	Montrose	Water Table	Montrose	66.7	76.7	48.73	58.65	-17.97	-27.97	-9.92		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	11	Sep-16	1400	9/20/2016	9900	Sep-16	Located in Former CPA; part of DNAPL monitoring program; gauge DNAPL thickness
MW-02HD	Del Amo	Water Table	Del Amo	40.00	60.00	30.60	39.46	-9.40	-29.40	-8.86	X						8260B VOC, TBA	<10	Sep-16	<20	Sep-16	NS		E extent of plume
MW-03	Montrose	Water Table	ILM	64.4	74.4	47.47	57.32	-16.93	-26.93	-9.85					X	X	8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.19 J	9/14/2016	<5.0	Sep-16	Monitor western plume extent; part of ILM monitoring program
MW-03HD	Del Amo	Water Table	Del Amo	40.00	60.00	29.79	39.15	-10.21	-30.21	-9.36	X						8260B VOC, TBA	<2.5	Sep-16	<5.0	Sep-16	NS		E extent of plume
MW-04	Montrose	Water Table	Montrose	64.9	74.9	46.69	56.6	-18.21	-28.21	-9.91		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<50	Sep-16	1000	9/21/2016	2300	Sep-16	Monitor N boundary of Montrose Property
MW-04HD	Del Amo	Water Table	Del Amo	51.00	61.00	30.41	40.55	-20.59	-30.59	-10.14	X						8260B VOC, TBA, Biodeg	480000	Sep-16	<2500	Sep-16	NS		Extent of source area; biodeg transect
MW-05	Montrose	Water Table	Montrose	61.5	72.5	46.57	56.65	-14.93	-25.93	-10.08		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<20	Sep-16	13 J	9/20/2016	9.7	Sep-16	Monitor E boundary of Montrose Property
MW-06	Montrose	Water Table	Montrose	65	80	45.68	55.27	-19.32	-34.32	-9.59		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<100	Sep-16	<100	9/22/2016	<50	Sep-16	Monitor S of Montrose Property; LADWP ROW
MW-07	Montrose	Water Table	ILM	65	80	47.48	57.37	-17.52	-32.52	-9.89					X	X	8260B VOC, EPA 314.0 (M) pCBSA	14000	Sep-16	59 J	9/15/2016	7500	Sep-16	LNAPL present in well; part of ILM monitoring program; north western pCBSA extent
MW-08	Montrose	Water Table	ILM	65	80	55.35	64.97	-9.65	-24.65	-9.62					X	X	8260B VOC, 7199 Hex Chrome, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	9/15/2016	<5.0	Sep-16	Monitor upgradient of plume; part of ILM monitoring program
MW-09	Montrose	Water Table	Montrose	66	81	50.47	60.39	-15.53	-30.53	-9.92		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<50	Sep-16	<50	9/21/2016	<5.0	Sep-16	Delineate N extent of plume at GLJ Holdings
MW-10	Montrose	Water Table	Montrose	62	77	43.2	53.1	-18.80	-33.80	-9.90		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	9/21/2016	<5.0	Sep-16	Delineate NE and upgradient extent of plume

Table 2
Sampling and Analytical Plan
Montrose Chemical and Del Amo Superfund Sites, Dual Site Groundwater Operable Unit
4th Baseline Groundwater Sampling Event, September 2017

Wells			Water Level Gauging								Baseline Sampling Event														Selection Rationale / Comment
ID	Well Owner	HSU	Responsible Party	Top of screen (ft bgs)	Bottom of screen (ft bgs)	Measuring Point Elevation (MSL)	2016 Water Level (ft btoc)	Top of screen (ft MSL NGVD29)	Bottom of screen (ft MSL NGVD29)	2016 Water Elevation (ft MSL NGVD29)	Del Amo	Montrose	Boeing	JCI	ILM	Montrose Split Sample for pCBSA only	Analysis (Montrose responsible for pCBSA)	Benzene (ug/L)	date	MCB (ug/L)	date	pCBSA (ug/L)	date	
MW-11	Montrose	Water Table	Montrose	62	77	42.69	52.57	-19.31	-34.31	-9.88		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<10	Sep-16	440	9/21/2016	250	Sep-16	Delineate E extent of plume
MW-12	Montrose	Water Table	Montrose	61	76	40.17	50.08	-20.83	-35.83	-9.91		X				X	8260B VOC, TBA, EPA 314.0 (M) pCBSA, Biodeg	<25	Sep-16	1300	9/21/2016	240	Sep-16	Delineate E extent of plume on Jon St; biodeg transect
MW-13	Montrose	Water Table	Montrose	62	77	42.34	52.47	-19.66	-34.66	-10.13		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	890	Sep-16	3900	9/20/2016	14000	Sep-16	Delineate E extent of plume at LADWP
MW-14	Montrose	Water Table	Del Amo	58.00	73.00	43.12	53.15	-14.88	-29.88	-10.03	X					X	8260B VOC, EPA 314.0 (M) pCBSA	8200	Sep-16	600	9/19/2016	27000	Sep-16	W extent of plume; Adjacent to MBFB-EW-1; part of Del Amo program
MW-16	Montrose	Water Table	Montrose	59	76	41.31	51.23	-17.69	-34.69	-9.92		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	NS		0.66 J	Oct-15	<5.0	Oct-15	Delineate downgradient extent of plume
MW-17	Montrose	Water Table	ILM	65	81	48.24	58.07	-16.76	-32.76	-9.83					X	X	8260B VOC, 7199 Hex Chrome, EPA 314.0 (M) pCBSA	0.81	Sep-16	3.2	9/16/2016	2.8 J	Sep-16	W of plume on Denker Ave; part of ILM program; western pCBSA extent
MW-19	Montrose	Water Table	Montrose	63	79	46.65	56.27	-16.35	-32.35	-9.62		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<2.0	Sep-16	<2.0	9/21/2016	<10	Sep-16	N of plume at C6
MW-20	Montrose	Water Table	--	57	73	--	--	--	--	--							NS	NS		NS		NS		Remote upgradient well at Del Amo; adjacent wells gauged
MW-21	Montrose	Water Table	Del Amo	54.00	70.00	36.56	46.61	-17.44	-33.44	-10.05	X					X	8260B VOC, Biodeg, EPA 314.0 (M) pCBSA	0.65	Sep-16	<1.0	9/15/2016	<5.0	Sep-16	Separation of plumes to north, south, and east; biodeg transect; E of plume at Del Amo; part of Del Amo program
MW-22	Montrose	Water Table	Montrose	57	73	41.85	51.82	-15.15	-31.15	-9.97		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	4.5	9/21/2016	<5.0	Sep-16	Delineate downgradient extent of plume
MW-23	Montrose	Water Table	Montrose	60	75	36.35	46.49	-23.65	-38.65	-10.14		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	9/20/2016	<5.0	Sep-16	Delineate downgradient extent of plume
MW-24	Montrose	Water Table	Montrose	49	64	22.4	32.69	-26.60	-41.60	-10.29		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.21 J	9/21/2016	<10	Sep-16	Delineate downgradient extent of plume
MW-25	Montrose	Water Table	Montrose	56	71	31.98	42.82	-24.02	-39.02	-10.84		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	5.8	Sep-16	2.6	9/20/2016	24	Sep-16	Remote downgradient well S of Torrance Blvd
MW-26	Montrose	Water Table	Montrose	59	74	39.17	49.16	-19.83	-34.83	-9.99		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	9/21/2016	<5.0	Sep-16	Delineate downgradient extent of plume
MW-27	Montrose	Water Table	Del Amo	59.00	75.00	40.50	50.62	-18.50	-34.50	-10.12	X					X	8260B VOC, EPA 314.0 (M) pCBSA, Biodeg	0.29 J	Sep-16	<1.0	9/19/2016	<5.0	Sep-16	W extent of plume ; E of plume at Del Amo; part of Del Amo program; biodeg transect
MW-28	Montrose	Water Table	Del Amo	54.00	71.00	39.82	49.86	-14.18	-31.18	-10.04	X					X	8260B VOC, TBA, EPA 314.0 (M) pCBSA, Biodeg	25000	Sep-16	<200	9/19/2016	<10	Sep-16	Biodeg transect ; E of plume at Del Amo; part of Del Amo program; biodeg transect
MW-29	Montrose	Water Table	Del Amo	57.00	73.00	39.14	49.64	-17.86	-33.86	-10.50	X					X	8260B VOC, EPA 314.0 (M) pCBSA	14000	Sep-16	<100	9/16/2016	<5.0	Sep-16	Waste Pits OU Performance Monitoring program; E of plume near waste pits; part of Del Amo program
MW-30	Montrose	Water Table	Montrose	54	70	37.59	47.73	-16.41	-32.41	-10.14		X				X	8260B VOC, TBA, EPA 314.0 (M) pCBSA, Biodeg	<0.50	Sep-16	<0.50	9/21/2016	<5.0	Sep-16	Delineate downgradient extent of plume; biodeg transect
MW-31	Montrose	Water Table	ILM	64.5	79.5	54.73	64.5	-9.77	-24.77	-9.77					X	X	8260B VOC, EPA 314.0 (M) pCBSA	1	Sep-16	3	9/13/2016	<5.0	Sep-16	W of plume; part of ILM monitoring program
MWB003	Boeing	MBFB	Boeing	65	90	54.5	64.15	-10.50	-35.50	-9.65			X				8260B VOC, TBA	<2.0	Sep-16	<4.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
MWB006	Boeing	MBFB	Boeing	65	90	51.45	60.71	-13.55	-38.55	-9.26			X				8260B VOC, TBA	53	Sep-16	<20	Sep-16	NS		C6 interior plume and extraction performance monitoring
MWB007	Boeing	MBFB	Boeing	60	90	48.94	57.8	-11.06	-41.06	-8.86			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 Site Boundary Well
MWB012	Boeing	MBFB	Boeing	64.5	84.5	49.98	59.94	-14.52	-34.52	-9.96			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
MWB013	Boeing	MBFB	Boeing	65	85	52.88	62.05	-12.12	-32.12	-9.17			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		Track plume up/cross-gradient of C6
MWB014	Boeing	MBFB	Boeing	65	85	49.24	59.16	-15.76	-35.76	-9.92			X				8260B VOC, TBA	<1.0	Sep-16	<2.0	Sep-16	NS		Delineate C6 plume & track Montrose COCs
MWB019	Boeing	MBFB	Boeing	65	85	52.73	62.58	-12.27	-32.27	-9.85							NS	NS		NS		NS		Gauging only
MWB020	Boeing	MBFB	Boeing	59.5	89.5	48.62	56.83	-10.88	-40.88	-8.21			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 Site Boundary Well
MWB027	Boeing	MBFB	Boeing	67.5	87.5	54.69	63.93	-12.81	-32.81	-9.24			X				8260B VOC, TBA	<2.0	Sep-16	<4.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
MWB028	Boeing	MBFB	Boeing	65	90	54.39	64.02	-10.61	-35.61	-9.63			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
MWB029	Boeing	MBFB	Boeing	60	90	54.13	64.13	-5.87	-35.87	-10.00			X			X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<10	Sep-16	<20	Sep-16	<5.0	Sep-16	C6 Site Boundary Well N of Montrose Property
MWB030	Boeing	MBFB	Boeing	55	90	49.83	58.81	-5.17	-40.17	-8.98			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 Site Boundary Well
MWC004	Boeing	MBFC	Boeing	96	116	49.41	59.38	-46.59	-66.59	-9.97			X				8260B VOC, TBA	5.7	Sep-16	<4.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
MWC006	Boeing	MBFC	Boeing	95	115	51.58	60.66	-43.42	-63.42	-9.08							NS	NS		NS		NS		Gauging only
MWC007	Boeing	MBFC	Boeing	97	117	49.12	58.02	-47.88	-67.88	-8.90			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 Site Boundary Well
MWC009	Boeing	MBFC	Boeing	101	121	51.54	62.11	-49.46	-69.46	-10.57			X				8260B VOC, TBA	0.46 J	Sep-16	<1.0	Sep-16	NS		C6 Site Boundary Well
MWC011	Boeing	MBFC	Boeing	94	114	51.58	60.99	-42.42	-62.42	-9.41			X				8260B VOC, TBA	0.5	Sep-16	<1.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
MWC015	Boeing	MBFC	Boeing	100	125	49.06	60.13	-50.94	-75.94	-11.07							NS	NS		NS		NS		Gauging only
MWC016	Boeing	MBFC	Boeing	102.5	127.5	50.16	60.43	-52.34	-77.34	-10.27			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
MWC017	Boeing	MBFC	Boeing	100	125	52.71	62.81	-47.29	-72.29	-10.10			X			X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	11	Sep-16	170	Sep-16	C6 Site Boundary Well N of Montrose Property
MWC021	Boeing	MBFC	Boeing	97	122	52.08	62.33	-44.92	-69.92	-10.25			X			X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	<5.0	Sep-16	C6 Site Boundary Well and delineate N extent of Chlorobenzene plume
MWC022	Boeing	MBFC	Boeing	97	117	49.15	58.35	-47.85	-67.85	-9.20			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
MWC023	Boeing	MBFC	Boeing	97	117	48.98	58.35	-48.02	-68.02	-9.37			X				8260B VOC, TBA	13	Sep-16	<10	Sep-16	NS		C6 interior plume and extraction performance monitoring
MWC024	Boeing	MBFC	Boeing	96	121	49.19	59.35	-46.81	-71.81	-10.16			X			X	8260B VOC, TBA	<5.0	Sep-16	<10	Sep-16	NS		Delineate C6 plume & track Montrose COCs
MWC025	Boeing	MBFC	Boeing	114	124	50.15	59.79	-63.85	-73.85	-9.64			X				8260B VOC, TBA	7.2	Sep-16	<5.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
MWC026	Boeing	MBFC	Boeing	110	120	49.3	59.25	-60.70	-70.70	-9.95			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 Site Boundary Well
MWC027	Boeing	MBFC	Boeing	105	120	51.85	62.41	-53.15	-68.15	-10.56			X				8260B VOC, TBA	3.6	Sep-16	<1.0	Sep-16	NS		C6 Site Boundary Well
MWC028	Boeing	MBFC	Boeing	114	129	47.08	57.5	-66.92	-81.92	-10.42			X				8260B VOC, TBA	0.65	Sep-16	<1.0	Sep-16	NS		C6 Site Boundary Well
MWG001	Boeing	Gage	Boeing	156	186	51.68	62.32	-104.32	-134.32	-10.64			X				8260B VOC, TBA	2.1	Sep-16	<2.0	Sep-16	NS		Monitor the Gage
MWG002	Boeing	Gage	Boeing	162	192	52.33	63.79	-109.67	-139.67	-11.46			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		Monitor the Gage
MWG003	Boeing	Gage	Boeing	154.5	184.5	50.63	60.9	-103.87	-133.87	-10.27			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		Monitor the Gage
MWG004	Boeing	Gage	Boeing	155	185	49.59	60.19	-105.41	-135.41	-10.60			X				8260B VOC, TBA	<0.50	Sep-16	16	Sep-16	NS		Monitor the Gage
P-1	ILM	MBFB	ILM	65.7	85.7	55.19	64.11	-10.51	-30.51	-8.92					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<25	Sep-16	<50	Sep-16	NS		Part of ILM program
P-10	ILM	MBFB	ILM	61.3	76.3	57.58	66.06	-3.72	-18.72	-8.48					X	X	8260B VOC, 7199 Hex Chrome, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	<10	Sep-16	Part of ILM program; delineate pCBSA near western injection cluster; Delineate pCBSA near western injection cluster
P-12	ILM	MBFB	ILM	65.8	80.8	56.94	64.95	-8.86	-23.86	-8.01					X		8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome, 6020 Dissolved Cobalt	<10	Sep-16	<20	Sep-16	NS		Part of ILM program
P-12B	ILM	MBFC	ILM	120	135	56.96	65.15	-63.04	-78.04	-8.19					X		8260B VOC, 8270C SIM 1,4-dioxane	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
P-12C	ILM	Gage	ILM	167.6	182.6	56.98	65.57	-110.62	-125.62	-8.59					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
P-16A	ILM	MBFB	ILM	63.5	83.5	52.68	62.01	-10.82	-30.82	-9.33					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<1.0	Sep-16	<2.0	Sep-16	NS		Part of ILM program
P-16C	ILM	MBFC	ILM	103	118	52.24	61.53	-50.76	-65.76	-9.29					X	X	8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals, EPA 314.0 (M) pCBSA	<1.0	Sep-16	<2.0	Sep-16	<5.0	Sep-16	Part of ILM program; delineate pCBSA near western injection cluster; Delineate pCBSA near western injection cluster
P-17	ILM	MBFB	ILM	63.8	83.8	54.92	64.17	-8.88	-28.88	-9.25					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<5.0	Sep-16	<10	Sep-16	NS		Part of ILM program
P-1C	ILM	Gage	ILM	156.7	171.7	55.43	64.79	-101.27	-116.27	-9.36					X		8260B VOC	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
P-2	ILM	MBFB	ILM	66.1	76.1	57.9	64.87	-8.20	-18.20	-6.97					X		8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
P-20	ILM	MBFB	ILM	62.5	82.5	55.36	64.2	-7.14	-27.14	-8.84					X		8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome	<25	Sep-16	<50	Sep-16	NS		Part of ILM program
P-22	ILM	MBFB	ILM	63.9	83.9	54.38	63.72	-9.52	-29.52	-9.34					X	X	8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome, EPA 314.0 (M) pCBSA	<5.0	Sep-16	<10	Sep-16	<5.0	Sep-16	Part of ILM program; delineate pCBSA near western injection cluster; Delineate pCBSA near western injection cluster
P-24	ILM	MBFB	ILM	54.8	74.8	55.59	63.63	0.79	-19.21	-8.04					X		8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
P-26A	ILM	MBFB	ILM	51	76	56.72	65.45	5.72	-19.28	-8.73					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<5.0	Sep-16	<10	Sep-16	NS		Part of ILM program
P-26B	ILM	MBFC	ILM	123	133	56.3	65.45	-66.70	-76.70	-9.15					X		8260B VOC, 8270C SIM 1,4-dioxane, 7199 Hex Chrome	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
P-26C	ILM	Gage	ILM	157	172	56.35	65.7	-100.65	-115.65	-9.35					X	X	8260B VOC, EPA 314.0 (M) pCBSA	<1.0	Sep-16	<2.0	Sep-16	<5.0	Sep-16	Part of ILM program; delineate pCBSA near western injection cluster; Delineate pCBSA near western injection cluster
P-27A	ILM	MBFB	ILM	74	84	52.17	59.24	-21.83	-31.83	-7.07					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
P-27B	ILM	MBFC	ILM	92.5	112.5	52.23	59.39	-40.27	-60.27	-7.16					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
P-3	ILM	MBFB	ILM	56	71	54.95	62.61	-1.05	-16.05	-7.66					X		8260B VOC, 7199 Hex Chrome	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
P-5	ILM	MBFB	ILM	63.9	83.9	56.41	64.34	-7.49	-27.49	-7.93					X		8260B VOC, 8270C SIM 1,4-dioxane, 6020 Dissolved Arsenic	0.45 J	Sep-16	<1.0	Sep-16	NS		Part of ILM program
P-6B	ILM	MBFB	ILM	60.5	80.5	55.87	64.97	-4.63	-24.63	-9.10					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<2.5	Sep-16	<5.0	Sep-16	NS		Part of ILM program
P-7	ILM	MBFB	ILM	62.5	82.5	53.86	63.21	-8.64	-28.64	-9.35					X		8260B VOC, 8270C SIM 1,4-dioxane, E300 Nitrate/Nitrite, 7199 Hex Chrome, 6020/7470 Dissolved Metals	<5.0	Sep-16	<10	Sep-16	NS		Part of ILM program

Table 2
Sampling and Analytical Plan
Montrose Chemical and Del Amo Superfund Sites, Dual Site Groundwater Operable Unit
4th Baseline Groundwater Sampling Event, September 2017

Wells			Water Level Gauging								Baseline Sampling Event														Selection Rationale / Comment
ID	Well Owner	HSU	Responsible Party	Top of screen (ft bgs)	Bottom of screen (ft bgs)	Measuring Point Elevation (MSL)	2016 Water Level (ft btoc)	Top of screen (ft MSL NGVD29)	Bottom of screen (ft MSL NGVD29)	2016 Water Elevation (ft MSL NGVD29)	Del Amo	Montrose	Boeing	JCI	ILM	Montrose Split Sample for pCBSA only	Analysis (Montrose responsible for pCBSA)	Benzene (ug/L)	date	MCB (ug/L)	date	pCBSA (ug/L)	date	
P-9B	ILM	MBFB	ILM	60.9	80.9	57.76	65.93	-3.14	-23.14	-8.17					X		8260B VOC, 7199 Hex Chrome	<0.50	Sep-16	<1.0	Sep-16	NS		Part of ILM program
PZL0001	Del Amo	Water Table	Del Amo	50.00	60.00	24.63	35.16	-25.37	-35.37	-10.53	X						8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		SE extent of plume & TI Waiver Zone
PZL0006	Del Amo	Water Table	Del Amo	49.00	69.00	34.55	43.82	-14.45	-34.45	-9.27	X						8260B VOC	0.17 J	Sep-16	<1.0	Sep-16	NS		NE extent of plume
PZL0007	Del Amo	Water Table	Del Amo	47.00	62.00	19.50	29.03	-27.50	-42.50	-9.53	X						8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		N extent of plume & TI Waiver Zone
PZL0009	Del Amo	Water Table	Del Amo	54.00	69.00	40.82	49.88	-13.18	-28.18	-9.06	X						8260B VOC	6.2	Sep-16	0.24 J	Sep-16	NS		N extent of plume
PZL0010	Del Amo	Water Table	Del Amo	49.50	69.50	34.84	43.93	-14.66	-34.66	-9.09	X						8260B VOC	<0.50	Sep-16	<1.0	Sep-16	NS		NE extent of plume & TI Waiver Zone
PZL0011	Del Amo	Water Table	Del Amo	35.00	55.00	23.72	31.78	-11.28	-31.28	-8.06	X						8260B VOC, TBA	960	Sep-16	<5.0	Sep-16	NS		NW extent of source area
PZL0012	Del Amo	Water Table	Del Amo	37.20	57.20	29.58	38.65	-7.62	-27.62	-9.07	X						8260B VOC, TBA, Biodeg	<2.5	Sep-16	<5.0	Sep-16	NS		W extent of plume; biodeg transect
PZL0013	Del Amo	Water Table	Del Amo	41.00	61.00	31.94	40.83	-9.06	-29.06	-8.89	X						8260B VOC, TBA, Biodeg	420000	Sep-16	<4000	Sep-16	NS		Extent of source area; biodeg transect
PZL0014	Del Amo	Water Table	Del Amo	51.00	66.00	35.38	43.93	-15.62	-30.62	-8.55	X						8260B VOC	<0.50	Sep-16	<1.0	Sep-16	NS		Northern TI Waiver Zone
PZL0016	Del Amo	Water Table	Del Amo	47.00	67.00	37.26	46.74	-9.74	-29.74	-9.48	X						8260B VOC, Biodeg	<5.0	Sep-16	<10	Sep-16	NS		NW extent of source area; biodeg transect
PZL0018	Del Amo	Water Table	Del Amo	48.00	68.00	34.30	43.65	-13.70	-33.70	-9.35	X						8260B VOC	<0.50	Sep-16	<1.0	Sep-16	NS		Waste Pits OU Performance Monitoring program.
PZL0019	Del Amo	Water Table	Del Amo	46.70	66.70	38.27	NM	-8.43	-28.43	--	X						8260B VOC	NS		NS		NS		Waste Pits OU Performance Monitoring program
PZL0020	Del Amo	Water Table	Del Amo	47.00	67.00	36.87	46.34	-10.13	-30.13	-9.47	X						8260B VOC, TBA	510000	Sep-16	<5000	Sep-16	NS		Waste Pits OU Performance Monitoring program
PZL0022	Del Amo	Water Table	Del Amo	42.00	61.70	34.47	43.54	-7.53	-27.23	-9.07	X						8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		Waste Pits OU Performance Monitoring program
PZL0024	Del Amo	Water Table	Del Amo	44.40	64.40	33.95	45.95	-10.45	-30.45	-12.00	X						8260B VOC	<0.50	Sep-16	<1.0	Sep-16	NS		Waste Pits OU Performance Monitoring program
PZL0025	Del Amo	Water Table	Del Amo	43.50	63.50	35.80	48.60	-7.70	-27.70	-12.80	X					X	8260B VOC, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	<10	Sep-16	Waste Pits OU Performance Monitoring program; E of plume near waste pits; part of Del Amo program
PZL0026	Del Amo	Water Table	Del Amo	33.00	53.00	28.67	37.45	-4.33	-24.33	-8.78	X						8260B VOC, TBA, Biodeg	36 J	Sep-16	<100	Sep-16	NS		S extent of source area; biodeg transect
SWL0002	Del Amo	Water Table	Del Amo	52.00	77.00	39.92	49.53	-12.08	-37.08	-9.61	X						8260B VOC	310	Sep-16	<2.0	Sep-16	NS		W extent of source area
SWL0003	Del Amo	Water Table	Del Amo	50.00	77.00	41.17	50.63	-8.83	-35.83	-9.46	X						8260B VOC	6.4	Sep-16	<2.0	Sep-16	NS		Source area
SWL0004	Del Amo	Water Table	Del Amo	53.00	80.00	41.87	51.48	-11.13	-38.13	-9.61	X						8260B VOC, Biodeg	80000	Sep-16	<500	Sep-16	NS		SE extent of source area; biodeg transect
SWL0005	Del Amo	Water Table	Del Amo	38.60	61.50	29.23	38.74	-9.37	-32.27	-9.51	X						8260B VOC, TBA, Biodeg	<0.50	Sep-16	<1.0	Sep-16	NS		SE extent of plume at waste pit area plume; biodeg transect
SWL0006	Del Amo	Water Table	Del Amo	43.50	59.50	26.35	36.87	-17.15	-33.15	-10.52	X						8260B VOC, Biodeg	<0.50	Sep-16	<1.0	Sep-16	NS		Confirm southern plume boundary;biodeg transect.
SWL0007	Del Amo	Water Table	Del Amo	50.40	71.20	41.42	50.03	-8.98	-29.78	-8.61	X						8260B VOC	0.17 J	Sep-16	<1.0	Sep-16	NS		N extent of plume & TI Waiver Zone
SWL0008	Del Amo	Water Table	Del Amo	41.40	62.00	32.36	42.93	-9.04	-29.64	-10.57	X						8260B VOC, TBA, Biodeg	2.5	Sep-16	<1.0	Sep-16	NS		Waste Pits OU Performance Monitoring program/biodeg transect
SWL0009	Del Amo	Water Table	Del Amo	37.30	58.30	22.53	30.55	-14.77	-35.77	-8.02	X						8260B VOC, TBA	<0.50	Sep-16	0.21 J	Sep-16	NS		E extent of plume & TI Waiver Zone
SWL0010	Del Amo	Merged MBFB/MBFC	Del Amo	100.00	116.50	22.61	33.65	-77.39	-93.89	-11.04	X					X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	<5.0	Sep-16	E extent of plume near TI Waiver Zone; Delineate pCBSA near eastern injection cluster
SWL0011	Del Amo	Merged MBFB/MBFC	Montrose	92.00	108.60	33.56	42.55	-58.44	-75.04	-8.99		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.69	Sep-16	<5.0	Sep-16	Remote well NE of Del Amo Blvd and Vermont Ave
SWL0013	Del Amo	Merged MBFB/MBFC	Del Amo	131.80	147.60	32.29	42.93	-99.51	-115.31	-10.64	X					X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	<5.0	Sep-16	Near TI Waiver Zone; Delineate pCBSA near eastern injection cluster
SWL0014	Del Amo	Merged MBFB/MBFC	Del Amo	113.80	130.80	23.28	34.86	-90.52	-107.52	-11.58	X						8260B VOC	<0.50	Sep-16	<1.0	Sep-16	NS		SE extent of plume
SWL0015	Del Amo	Water Table	Del Amo	33.00	54.00	23.98	34.55	-9.02	-30.02	-10.57	X						8260B VOC, TBA	3	Sep-16	10	Sep-16	NS		TBA plume evaluation
SWL0016	Del Amo	Water Table	Del Amo	40.80	62.00	33.21	42.68	-7.59	-28.79	-9.47	X						8260B VOC	<0.50	Sep-16	<1.0	Sep-16	NS		E extent of plume
SWL0017	Del Amo	Water Table	Del Amo	47.00	68.50	36.54	45.83	-10.46	-31.96	-9.29	X						8260B VOC	<0.50	Sep-16	<1.0	Sep-16	NS		NE extent of plume near TI Waiver Zone
SWL0018	Del Amo	Merged MBFB/MBFC	Del Amo	122.00	139.00	34.31	44.82	-87.69	-104.69	-10.51	X						8260B VOC	<0.50	Sep-16	<1.0	Sep-16	NS		Separation of plume; TI Waiver Zone
SWL0019	Del Amo	Merged MBFB/MBFC	Del Amo	73.10	89.60	23.96	35.70	-49.14	-65.64	-11.74	X						8260B VOC, TBA	<0.50	Sep-16	1.8	Sep-16	NS		Sample for baseline only; omit from future monitoring if [benzene] < MCL.
SWL0020	Del Amo	Gage	Montrose	180.6	196.4	23.73	37.18	-156.87	-172.67	-13.45		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	9/13/2016	610	Sep-16	Delineate E of G-9 and S of injection cluster
SWL0021	Del Amo	Water Table	Del Amo	46.50	62.10	28.52	38.93	-17.98	-33.58	-10.41	X						8260B VOC, TBA, Biodeg	0.51 J	Sep-16	12	Sep-16	NS		S extent of plume; biodeg transect
SWL0022	Del Amo	Gage	Del Amo	179.50	195.30	32.42	44.88	-147.08	-162.88	-12.46	X					X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	9/14/2016	810	Sep-16	SE extent of on-site plume; Delineate pCBSA near eastern injection cluster
SWL0023	Del Amo	Merged MBFB/MBFC	Del Amo	88.50	103.80	27.60	39.15	-60.90	-76.20	-11.55	X					X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	8.0	Sep-16	TI Waiver Zone ; Delineate pCBSA near eastern injection cluster
SWL0024	Del Amo	Water Table	Del Amo	45.00	61.50	27.58	38.55	-17.42	-33.92	-10.97	X						8260B VOC, TBA, Biodeg	<0.50	Sep-16	<1.0	Sep-16	NS		SE extent of plume; biodeg transects
SWL0025	Del Amo	Gage	Del Amo	195.00	210.80	22.34	35.42	-172.66	-188.46	-13.08	X					X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	9/12/2016	<5.0	Sep-16	Monitor TBA outside of hydraulic capture zone; Delineate pCBSA near eastern injection cluster
SWL0026	Del Amo	Gage	Montrose	159.8	175.5	22.47	34.66	-137.33	-153.03	-12.19		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	1.3	9/19/2016	6.3 J	Sep-16	Delineate E extent of plume at Alpine Village (BF-IW-2)
SWL0027	Del Amo	Merged MBFB/MBFC	Montrose	119.30	135.00	22.07	33.66	-97.23	-112.93	-11.59		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<0.50	Sep-16	3.8 J	Sep-16	Delineate E extent of plume at Alpine Village (BF-IW-2)
SWL0028	Del Amo	Water Table	Del Amo	34.00	54.80	22.35	30.87	-11.65	-32.45	-8.52	X						8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		Sample for baseline only; omit from future monitoring if [benzene] < MCL.
SWL0029	Del Amo	MBFB	--	--	--	--	--	--	--	--							NS	NS		<10	Sep-14	NS		Well destroyed; formerly on Paccar property
SWL0030	Del Amo	MBFC	--	--	--	--	--	--	--	--							NS	NS		<1.0	Sep-14	NS		Well destroyed; formerly on Paccar property
SWL0032	Del Amo	MBFB	Del Amo	79.00	89.00	41.83	51.71	-37.17	-47.17	-9.88	X						8260B VOC	NS		NS		NS		Extent of source area
SWL0033	Del Amo	Merged MBFB/MBFC	Del Amo	124.30	140.00	35.88	46.27	-88.42	-104.12	-10.39	X					X	8260B VOC, EPA 314.0 (M) pCBSA	3.1 J	Sep-16	2400	9/14/2016	25000	Sep-16	TI Waiver Zone; Delineate plume SE of Montrose Property
SWL0034	Del Amo	Gage	Montrose	160	175.80	35.49	46.88	-124.51	-140.31	-11.39		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<120	Sep-16	6700	9/21/2016	35000	Sep-16	Delineate plume center SE of Property on Budlong Ave
SWL0035	Del Amo	Merged MBFB/MBFC	Del Amo	121.00	136.00	32.30	42.30	-88.70	-103.70	-10.00	X					X	8260B VOC, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	9/12/2016	<5.0	Sep-16	E extent of in MBFC and TI Waiver Zone; Delineate pCBSA near eastern injection cluster
SWL0036	Del Amo	Gage	Del Amo	178.00	194.00	32.63	44.79	-145.37	-161.37	-12.16	X					X	8260B VOC, EPA 314.0 (M) pCBSA	0.27 J	Sep-16	<1.0	9/12/2016	<5.0	Sep-16	Upgradient chlorinated VOC impacts; Delineate pCBSA near eastern injection cluster
SWL0037	Del Amo	Merged MBFB/MBFC	Del Amo	82.00	98.50	32.99	42.98	-49.01	-65.51	-9.99	X					X	8260B VOC, Biodeg, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	<5.0	Sep-16	E extent of plume / TI Waiver Zone / background for biodeg transect; Delineate pCBSA near eastern injection cluster
SWL0038	Del Amo	Water Table	Del Amo	49.50	70.50	38.81	47.38	-10.69	-31.69	-8.57	X						8260B VOC, Biodeg	<0.50	Sep-16	<1.0	Sep-16	NS		Biodeg transect
SWL0040	Del Amo	Merged MBFB/MBFC	Del Amo	118.50	135.00	34.00	44.68	-84.50	-101.00	-10.68	X						8260B VOC, TBA	120	Sep-16	<1.0	9/15/2016	NS		Waste pits area
SWL0041	Del Amo	Merged MBFB/MBFC	Del Amo	77.00	92.75	34.07	44.87	-42.93	-58.68	-10.80	X						8260B VOC, TBA	0.51	Sep-16	<1.0	Sep-16	NS		SE extent of waste pit area
SWL0042	Del Amo	Water Table	Del Amo	34.30	55.00	24.52	35.35	-9.78	-30.48	-10.83	X						8260B VOC, TBA	2.8	Sep-16	1.5	Sep-16	NS		Sample for baseline only; omit from future monitoring if [benzene] < MCL.
SWL0044	Del Amo	Water Table	Del Amo	45.50	65.00	37.83	46.94	-7.67	-27.17	-9.11	X						8260B VOC	<0.92	Sep-16	<1.0	Sep-16	NS		Waste Pits OU Performance Monitoring program
SWL0046	Del Amo	Water Table	Del Amo	37.80	57.80	28.88	37.18	-8.92	-28.92	-8.30	X						8260B VOC, TBA, Biodeg	<0.50	Sep-16	<1.0	Sep-16	NS		NW extent of plume & TI Waiver Zone; biodeg transect
SWL0047	Del Amo	Merged MBFB/MBFC	Del Amo	82.00	92.00	36.33	46.43	-45.67	-55.67	-10.10	X						8260B VOC, Biodeg	2.2	Sep-16	<1.0	Sep-16	NS		N extent of plume & TI Waiver Zone; biodeg transect
SWL0048	Del Amo	Merged MBFB/MBFC	Del Amo	83.00	93.00	36.29	46.72	-46.71	-56.71	-10.43	X						8260B VOC, Biodeg	200000	Sep-16	<1000	Sep-16	NS		Interior of plume; biodeg transect
SWL0049	Del Amo	Water Table	Montrose	42	62.3	32.5	42.7	-9.50	-29.80	-10.20		X					8260B VOC, TBA, EPA 314.0 (M) pCBSA	<50	Sep-16	2900	Sep-16	8600	Sep-16	Delineate downgradient extent SE of Montrose Property
SWL0050	Del Amo	Merged MBFB/MBFC	Del Amo	72.50	82.00	37.58	48.12	-34.92	-44.42	-10.54	X						8260B VOC, Biodeg	20000	Sep-16	<200	Sep-16	NS		S extent of waste pit area; biodeg transect
SWL0051	Del Amo	Water Table	Del Amo	35.00	55.00	26.21	37.77	-8.79	-28.79	-11.56	X						8260B VOC	<0.50	Sep-16	0.62 J	Sep-16	NS		Waste Pits OU Performance Monitoring program
SWL0052	Del Amo	Merged MBFB/MBFC	Del Amo	78.30	93.70	22.87	33.95	-55.43	-70.83	-11.08	X					X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	<5.0	Sep-16	Sample for baseline only; omit from future monitoring if [benzene] < MCL.; Delineate pCBSA near eastern injection cluster
SWL0053	Del Amo	Merged MBFB/MBFC	Del Amo	118.30	127.80	22.57	33.57	-95.73	-105.23	-11.00	X					X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	9/12/2016	<5.0	Sep-16	SE extent of plume and TI Waiver Zone; Delineate pCBSA near eastern injection cluster
SWL0054	Del Amo	MBFC	Del Amo	120.20	129.70	40.03	50.06	-80.17	-89.67	-10.03	X						8260B VOC	<5.0	Sep-16	<10	9/19/2016	NS		W extent of source area
SWL0055	Del Amo	Merged MBFB/MBFC	Del Amo	120.30	129.80	37.31	47.77	-82.99	-92.49	-10.46	X					X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	0.18 J	9/13/2016	NS		Interior of waste pits plume
SWL0056	Del Amo	Merged MBFB/MBFC	Del Amo	75.00	85.00	28.73	39.91	-46.27	-56.27	-11.18	X					X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	1.9 J	Sep-16	Southern extent of plume near TI Waiver Zone
SWL0057	Del Amo	Water Table	Del Amo	38.50	58.50	28.35	37.04	-10.15	-30.15	-8.69	X						8260B VOC, TBA, Biodeg	<0.50	Sep-16	<1.0	Sep-16	<5.0	Sep-15	Sample for baseline only; omit from future monitoring if [benzene] < MCL; Remote well at Milton St and New Hampshire Ave; biodeg transect
SWL0058	Del Amo	MBFC	Del Amo	118.10	127.70	40.67	50.95	-77.43	-87.03	-10.28	X					X	8260B VOC, EPA 314.0 (M) pCBSA	0.18 J	Sep-16	11	9/19/2016	1000	Sep-16	SW of plume; Delineate NE plume boundary; part of Del Amo program
SWL0059	Del Amo	Water Table	Del Amo	46.50	66.50	42.34	51.59	-4.16	-24.16	-9.25	X						8260B VOC	<10	Sep-16	<20	Sep-16	NS		N extent of source area

Table 2
Sampling and Analytical Plan
Montrose Chemical and Del Amo Superfund Sites, Dual Site Groundwater Operable Unit
4th Baseline Groundwater Sampling Event, September 2017

Wells			Water Level Gauging								Baseline Sampling Event														Selection Rationale / Comment
ID	Well Owner	HSU	Responsible Party	Top of screen (ft bgs)	Bottom of screen (ft bgs)	Measuring Point Elevation (MSL)	2016 Water Level (ft btoc)	Top of screen (ft MSL NGVD29)	Bottom of screen (ft MSL NGVD29)	2016 Water Elevation (ft MSL NGVD29)	Del Amo	Montrose	Boeing	JCI	ILM	Montrose Split Sample for pCBSA only	Analysis (Montrose responsible for pCBSA)	Benzene (ug/L)/date		MCB (ug/L)/date		pCBSA (ug/L)/date		
SWL0060	Del Amo	Merged MBFB/MBFC	Del Amo	95.00	110.00	24.95	35.69	-70.05	-85.05	-10.74	X						8260B VOC, TBA	55	Sep-16	<5.0	Sep-16	NS		SE of source area
SWL0061	Del Amo	MBFC	Del Amo	125.00	135.00	40.64	50.58	-84.36	-94.36	-9.94	X						8260B VOC	29	Sep-16	<1.0	9/19/2016	NS		Monitor for downward migration of impacts in MBFB
SWL0063	Del Amo	Gage	Del Amo	172.70	187.70	38.68	50.39	-134.02	-149.02	-11.71	X					X	8260B VOC, EPA 314.0 (M) pCBSA	280	Sep-16	<2.0	9/19/2016	2.3 J	Sep-16	Center of on-site plume; NE of plume at Del Amo; part of Del Amo program
SWL0064	Del Amo	MBFC	Del Amo	114.20	129.20	39.67	49.90	-74.53	-89.53	-10.23	X						8260B VOC	3.8	Sep-16	480	9/19/2016	NS		W extent of plume
SWL0065	Del Amo	Merged MBFB/MBFC	Del Amo	115.00	130.00	36.65	46.78	-78.35	-93.35	-10.13	X						8260B VOC	<2.5	Sep-16	<5.0	9/19/2016	NS		Interior of plume;
SWL0066	Del Amo	Gage	Del Amo	172.00	187.00	40.29	51.56	-131.71	-146.71	-11.27	X						8260B VOC	<0.50	Sep-16	<1.0	9/15/2016	NS		NW extent of on-site plume
SWL0068	Del Amo	Water Table	Del Amo	23.00	48.00	25.40	31.36	2.40	-22.60	-5.96	X						8260B VOC, TBA, Biodeg	200000	Sep-16	<1000	Sep-16	NS		Source area; biodeg transect
TMW_04	Boeing	MBFB	Boeing	58	78	48.94	59.01	-9.06	-29.06	-10.07							NS	NS		NS		NS		Gauging only
TMW_06	Boeing	MBFB	Boeing	67	87	49.27	59.28	-17.73	-37.73	-10.01			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
TMW_07	Boeing	MBFB	Boeing	65	85	51.51	61.23	-13.49	-33.49	-9.72			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
TMW_08	Boeing	MBFB	Boeing	61	81	51.53	61.19	-9.47	-29.47	-9.66			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
TMW_10	Boeing	MBFB	Boeing	60.5	80.5	47.47	57.18	-13.03	-33.03	-9.71			X				8260B VOC, TBA	<0.50	Sep-16	0.51 J	Sep-16	NS		C6 Site Boundary Well
TMW_11	Boeing	MBFB	Boeing	58	78	47.4	57.34	-10.60	-30.60	-9.94			X				8260B VOC, TBA	<0.50	Sep-16	0.43 J	Sep-16	NS		C6 Site Boundary Well N of Montrose Property
TMW_14	Boeing	MBFB	Boeing	65	85	56.46	66.28	-8.54	-28.54	-9.82			X			X	8260B VOC, TBA, EPA 314.0 (M) pCBSA	<0.50	Sep-16	<1.0	Sep-16	NS		Track plume up/cross-gradient of C6
TMW_15	Boeing	MBFB	Boeing	62	87	55.2	64.76	-6.80	-31.80	-9.56			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		Track plume up/cross-gradient of C6
UBA-EW-1	Montrose	Water Table	Montrose	53	93	38.07	47.54	-14.93	-54.93	-9.47							NS	1100	Apr-16	110000	May-17	280000	May-17	TGRS extraction well; obtain WL from transducer data
UBA-EW-3	Montrose	Water Table	Montrose	50	80	33.93	--	-16.07	-46.07	--							NS	17	Sep-16	5600	May-17	13000	May-17	TGRS extraction well; obtain WL from transducer data
UBE-01	Montrose	Water Table	Montrose	60.7	90.7	49.35	59.35	-11.35	-41.35	-10.00							NS	NS		NS		NS		DNAPL extraction well; gauge DNAPL thickness
UBE-02	Montrose	Water Table	Montrose	72	82	45.78	55.6	-26.22	-36.22	-9.82							NS	NS		NS		NS		DNAPL extraction well; gauge DNAPL thickness
UBE-03	Montrose	Water Table	Montrose	68	88	44.86	54.98	-23.14	-43.14	-10.12							NS	NS		NS		NS		DNAPL extraction well; gauge DNAPL thickness
UBE-04	Montrose	Water Table	Montrose	62	92	46.56	56.45	-15.44	-45.44	-9.89							NS	NS		NS		NS		DNAPL extraction well; gauge DNAPL thickness
UBE-05	Montrose	Water Table	Montrose	75	85	47.42	57.51	-27.58	-37.58	-10.09							NS	NS		NS		NS		DNAPL extraction well; gauge DNAPL thickness
UBI-01	Montrose	Water Table	Montrose	45	90	46.47	56.25	1.47	-43.53	-9.78							NS	NS		NS		NS		HD pilot injection well at Montrose Property
UBI-02	Montrose	Water Table	Montrose	45	90	46.69	56.5	1.69	-43.31	-9.81							NS	NS		NS		NS		HD pilot injection well at Montrose Property
UBT-01	Montrose	Water Table	Montrose	60	91	49.05	59.17	-10.95	-41.95	-10.12							NS	NS		NS		NS		DNAPL extraction well; gauge DNAPL thickness
UBT-02	Montrose	Water Table	Montrose	50	91	49.19	59.27	-0.81	-41.81	-10.08							NS	NS		NS		NS		DNAPL extraction well; gauge DNAPL thickness
UBT-03	Montrose	Water Table	Montrose	60	91	49.31	59.37	-10.69	-41.69	-10.06							NS	NS		NS		NS		DNAPL extraction well; gauge DNAPL thickness
WCC_03S	Boeing	MBFB	Boeing	69	89	50.35	59.44	-18.65	-38.65	-9.09			X				8260B VOC, TBA	100	Sep-16	<50	Sep-16	NS		C6 interior plume and extraction performance monitoring
WCC_04S	Boeing	MBFB	Boeing	70.5	90.5	49.78	59.09	-20.72	-40.72	-9.31			X				8260B VOC, TBA	<1.3	Sep-16	<2.5	Sep-16	NS		C6 interior plume and extraction performance monitoring
WCC_05S	Boeing	MBFB	Boeing	61	91	50.37	59.65	-10.63	-40.63	-9.28			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 Site Boundary Well
WCC_07S	Boeing	MBFB	Boeing	60	90	48.06	61.73	-11.94	-41.94	-13.67			X				8260B VOC, TBA	4.5	Sep-16	<4.0	Sep-16	NS		C6 Extraction Well
WCC_09S	Boeing	MBFB	Boeing	60	90	52.51	62.13	-7.49	-37.49	-9.62			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 Site Boundary Well
WCC_12S	Boeing	MBFB	Boeing	60	90	48.87	58.6	-11.13	-41.13	-9.73			X				8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		C6 interior plume and extraction performance monitoring
XP-02	Del Amo	Water Table	Del Amo	55.50	75.50	35.36	45.58	-20.14	-40.14	-10.22	X						8260B VOC, Biodeg	<0.50	Sep-16	<1.0	Sep-16	NS		Waste Pits OU Performance Monitoring program; biodeg transect
XP-03	Del Amo	Merged MBFB/MBFC	Del Amo	85.00	95.00	29.32	39.88	-55.68	-65.68	-10.56	X						8260B VOC, TBA	<0.50	Sep-16	<1.0	Sep-16	NS		E extent of plume at waste pits
											87	92	70	3	54	58								

Notes:
-- = Not available or applicable
µg/l = micrograms per liter
Biodeg = Del Amo Biodegradation Parameters
ft bgs = feet below ground surface
ft btoc = feet below top of casing
ft MSL = feet above Mean Sea Level NVGD29. Boeing, ILM, and JCI elevation data converted from NAVD88 by subtracting 2.45.
HSU = hydrostratigraphic unit
MCB = monochlorobenzene
NM = Not Measured
NS = Not Sampled
pCBSA = Para-Chlorobenzene Sulfonic Acid
8260B VOC = volatile organic compounds

Table 3
Groundwater Level Measurements and Elevations
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR
Date Created: 11/28/2017

Well	Owner	HSU	Responsible Party	Easting	Northing	Screened Interval (Feet bgs)	Screened Interval Elevation (Feet MSL)	Depth to Water (Feet below Reference Elevation)	Reference Elevation (Feet MSL)	Date	Ground Surface Elevation (Feet MSL)	Water Level Elevation [2] (Feet MSL)
AW0051UB*	Boeing	Water Table/MBFB	Boeing	6470380.980	1769856.330	68.50 - 88.50	-	58.62	53.14	9/5/2017	-	-5.48
AW0055UB*	Boeing	Water Table/MBFB	Boeing	6470286.710	1769856.630	69.00 - 89.00	-	58.97	53.53	9/6/2017	-	-5.44
AW0074UB*	Boeing	Water Table/MBFB	Boeing	6470350.290	1769750.950	70.00 - 90.00	-	58.35	52.72	9/5/2017	-	-5.63
BF-01	Montrose	MBFC	ILM	6469829.381	1767593.747	113.50 - 124.00	-62.43 - -72.93	56.72	50.84	9/5/2017	51.07	-5.88
BF-02	Montrose	MBFC	Montrose	6470194.991	1767168.514	114.00 - 124.50	-61.70 - -72.20	57.97	51.95	9/5/2017	52.30	-6.02
BF-03	Montrose	MBFC	Montrose	6470477.017	1767474.602	113.50 - 124.00	-62.31 - -72.81	56.99	50.72	9/5/2017	51.19	-6.27
BF-04	Montrose	MBFC	Montrose	6470494.141	1767209.529	112.00 - 123.00	-61.43 - -72.43	56.24	50.09	9/5/2017	50.57	-6.15
BF-05	Montrose	MBFC	Montrose	6471297.580	1767330.884	122.00 - 132.00	-78.97 - -88.97	49.23	41.82	9/5/2017	43.03	-7.41
BF-06	Montrose	MBFC	Del Amo	6471204.174	1766907.167	115.00 - 125.00	-69.75 - -79.75	50.59	44.15	9/5/2017	45.25	-6.44
BF-07	Montrose	MBFC	Montrose	6470946.241	1766629.001	106.00 - 116.00	-61.20 - -71.20	51.58	45.04	9/5/2017	44.80	-6.54
BF-09	Montrose	MBFC	Montrose	6470241.892	1767440.376	107.00 - 128.00	-54.61 - -75.61	57.33	51.14	9/5/2017	52.39	-6.19
BF-10	Montrose	Merged MBFB/MBFC	Montrose	6473090.813	1765561.857	120.00 - 130.00	-87.59 - -97.59	38.81	31.13	9/5/2017	32.41	-7.68
BF-11	Montrose	Merged MBFB/MBFC	Montrose	6472386.010	1763515.055	104.00 - 124.00	-68.53 - -88.53	44.13	36.13	9/6/2017	35.47	-8.00
BF-12	Montrose	Merged MBFB/MBFC	Montrose	6473357.998	1764101.884	110.00 - 120.00	-84.06 - -94.06	32.99	24.67	9/5/2017	25.94	-8.32
BF-13	Montrose	Merged MBFB/MBFC	Del Amo	6473187.180	1766578.601	117.00 - 137.00	-84.20 - -104.20	39.12	31.98	9/6/2017	32.80	-7.14
BF-14	Montrose	Merged MBFB/MBFC	Montrose	6472054.430	1765763.290	111.00 - 121.00	-71.26 - -81.26	45.94	38.76	9/5/2017	39.74	-7.18
BF-15	Montrose	Merged MBFB/MBFC	Montrose	6471440.998	1765641.307	98.00 - 113.00	-72.00 - -87.00	32.29	25.28	9/6/2017	26.00	-7.01
BF-16	Montrose	MBFC	Montrose	6471860.809	1763461.786	103.00 - 124.00	-68.53 - -89.53	45.59	37.78	9/5/2017	34.47	-7.81
BF-17	Montrose	Merged MBFB/MBFC	Montrose	6473002.039	1763817.041	100.00 - 120.00	-73.75 - -93.75	33.49	25.14	9/5/2017	26.25	-8.35
BF-19	Montrose	MBFC	Montrose	6471330.949	1768046.817	128.00 - 133.00	-84.27 - -89.27	49.18	42.89	9/5/2017	43.73	-6.29
BF-20	Montrose	MBFC	ILM	6469336.425	1766707.321	110.00 - 129.00	-	56.88	50.84	9/5/2017	-	-6.04
BF-21	Montrose	MBFC	Montrose	6470681.128	1764784.762	96.00 - 121.00	-52.99 - -77.99	48.83	42.13	9/5/2017	43.01	-6.70
BF-22	Montrose	Merged MBFB/MBFC	Montrose	6471470.139	1763265.063	87.00 - 117.00	-52.53 - -82.53	44.47	36.76	9/6/2017	34.47	-7.71
BF-23	Montrose	Merged MBFB/MBFC	Montrose	6472439.585	1766107.040	101.00 - 116.00	-71.76 - -86.76	35.35	28.39	9/5/2017	29.24	-6.96
BF-24	Montrose	Merged MBFB/MBFC	Montrose	6472165.234	1764492.845	96.00 - 121.00	-61.15 - -86.15	41.23	33.64	9/5/2017	34.85	-7.59
BF-25	Montrose	Merged MBFB/MBFC	Montrose	6473358.282	1762675.794	94.00 - 104.00	-62.52 - -72.52	34.94	26.18	9/5/2017	31.48	-8.76
BF-26	Montrose	Merged MBFB/MBFC	Montrose	6473650.682	1762187.798	90.00 - 105.00	-51.52 - -66.52	47.03	37.96	9/5/2017	38.48	-9.07
BF-27	Montrose	Merged MBFB/MBFC	Montrose	6473093.681	1762195.636	101.00 - 121.00	-69.52 - -89.52	35.28	26.66	9/5/2017	31.48	-8.62
BF-28	Montrose	Merged MBFB/MBFC	Montrose	6474076.947	1762866.434	95.00 - 110.00	-56.52 - -71.52	45.13	36.32	9/5/2017	38.48	-8.81
BF-29	Montrose	MBFC	Montrose	6470038.387	1764267.852	100.00 - 120.00	-56.93 - -76.93	48.99	42.08	9/5/2017	43.07	-6.91
BF-30	Montrose	Merged MBFB/MBFC	Montrose	6470961.823	1762874.716	82.00 - 113.00	-54.53 - -85.53	34.68	27.05	9/5/2017	27.47	-7.63
BF-31	Montrose	MBFC	Montrose	6469369.847	1763812.031	105.00 - 135.00	-63.55 - -93.55	46.58	40.00	9/5/2017	41.45	-6.58
BF-32A*	Montrose	Water Table/MBFC	Montrose	6468400.000	1765704.000	65.00 - 115.00	-62.55 - -112.55	59.13	53.25	9/6/2017	2.45	-5.88
BF-33	Montrose	MBFC	Montrose	6468187.258	1763046.889	60.00 - 100.00	-19.55 - -59.55	44.68	38.43	9/5/2017	40.45	-6.25
BF-34	Montrose	MBFC	ILM	6469469.000	1767699.000	106.00 - 126.00	-	64.14	58.05	9/5/2017	-	-6.09
BF-35	Montrose	MBFC	Montrose	6470273.000	1768012.000	105.50 - 126.00	-103.04 - -123.54	59.07	52.79	9/5/2017	2.46	-6.28
BF-36	Montrose	Merged MBFB/MBFC	Montrose	6475580.000	1762458.000	111.00 - 126.00	-108.50 - -123.50	46.81	37.14	9/5/2017	2.50	-9.67
BF-EW-1	Montrose	MBFC	Montrose	6470901.720	1766650.000	85.00 - 128.00	-82.54 - -125.54	44.91	38.59	9/5/2017	2.46	-6.32
BF-EW-2	Montrose	Merged MBFB/MBFC	Montrose	6472152.800	1764201.280	69.10 - 125.00	-66.62 - -122.52	NM	25.74	9/5/2017	2.48	-
BF-EW-3	Montrose	Merged MBFB/MBFC	Montrose	6471337.250	1764981.870	60.00 - 120.00	-	28.55	21.58	9/5/2017	-	-6.97
BF-EW-4	Montrose	Merged MBFB/MBFC	Montrose	6472464.820	1763305.650	66.00 - 126.00	-	39.11	30.89	9/5/2017	-	-8.22
BF-EW-5	Montrose	MBFC	Montrose	6470443.110	1767019.170	108.00 - 128.00	-	46.39	40.69	9/5/2017	-	-5.70
BF-IW-1	Montrose	MBFC	Montrose	6468136.000	1767145.000	106.90 - 125.00	-	63.05	57.57	9/6/2017	-	-5.48
BF-IW-2	Montrose	Merged MBFB/MBFC	Montrose	6473751.000	1765087.000	61.50 - 144.00	-	32.31	23.90	9/5/2017	-	-8.41
BF-OW-1	Montrose	MBFC	ILM	6468135.000	1767110.000	110.00 - 122.00	-	62.67	57.14	9/5/2017	-	-5.53
BF-OW-3	Montrose	MBFC	Montrose	6472153.000	1764310.000	70.00 - 120.00	-	39.29	31.79	9/5/2017	-	-7.50
BF-OW-4	Montrose	MBFC	Montrose	6470639.000	1764290.000	138.00 - 173.00	-	50.52	43.66	9/5/2017	-	-6.86
BL-10A*	ILM	Water Table/MBFB	ILM	6469300.421	1769071.541	65.00 - 80.00	-	63.51	57.79	9/5/2017	-	-5.72
BL-10B	ILM	MBFC	ILM	6469293.870	1769071.268	109.00 - 119.00	-	63.25	57.60	9/5/2017	-	-5.65
BL-10C	ILM	Gage	ILM	6469285.954	1769071.268	145.00 - 155.00	-	63.75	57.73	9/5/2017	-	-6.02
BL-11A*	ILM	Water Table/MBFB	ILM	6469183.214	1767963.997	65.00 - 80.00	-	63.24	57.76	9/5/2017	-	-5.48
BL-11B	ILM	MBFC	ILM	6469183.214	1767972.277	109.00 - 119.00	-	63.63	57.74	9/5/2017	-	-5.89
BL-11C	ILM	Gage	ILM	6469182.606	1767980.634	145.00 - 155.00	-	63.79	57.73	9/5/2017	-	-6.06
BL-12A*	ILM	Water Table/MBFB	ILM	6469030.520	1768190.128	64.00 - 79.00	-	63.5	57.70	9/5/2017	-	-5.80
BL-12B	ILM	MBFC	ILM	6469038.853	1768180.814	104.00 - 114.00	-	63.58	57.60	9/5/2017	-	-5.98
BL-12C	ILM	Gage	ILM	6469041.794	1768168.559	145.00 - 155.00	-	64.1	57.89	9/5/2017	-	-6.21
BL-13A	ILM	Water Table/MBFB	ILM	6469467.100	1767251.922	60.00 - 80.00	-	61.51	55.37	9/5/2017	-	-6.14
BL-13BD	ILM	MBFC	ILM	6469467.470	1767264.990	120.00 - 130.00	-	61.43	55.34	9/5/2017	-	-6.09
BL-13C	ILM	Gage	ILM	6469467.223	1767274.853	154.00 - 164.00	-	62.19	55.71	9/5/2017	-	-6.48
BL-14A	ILM	Water Table/MBFB	ILM	6468475.056	1767743.529	55.30 - 80.30	-	61.86	56.70	9/5/2017	-	-5.16
BL-14B	ILM	MBFC	ILM	6468463.798	1767741.652	113.50 - 133.50	-	62.44	56.66	9/5/2017	-	-5.78
BL-14C	ILM	Gage	ILM	6468463.798	1767741.652	150.10 - 165.10	-	62.67	56.86	9/5/2017	-	-5.81
BL-3	ILM	Water Table/MBFB	ILM	6468962.000	1768747.000	61.50 - 81.50	-	64.39	58.88	9/5/2017	-	-5.51
BL-9A*	ILM	Water Table/MBFB	ILM	6469298.845	1769938.354	65.00 - 80.00	-	60.12	55.13	9/5/2017	-	-4.99
BL-9B	ILM	MBFC	ILM	6469306.340	1769938.354	109.00 - 119.00	-	60.41	55.31	9/5/2017	-	-5.10
BL-9C	ILM	Gage	ILM	6469400.339	1769954.905	155.10 - 175.10	-	61.9	56.13	9/5/2017	-	-5.77
CMW001	Boeing	MBFC	Boeing	6470700.000	1768183.420	99.00 - 124.00	-	60.71	54.37	9/5/2017	-	-6.34
CMW002	Boeing	MBFC	Boeing	6470554.160	1767936.040	99.00 - 124.00	-	59.13	52.81	9/5/2017	-	-6.32
CMW026	Boeing	MBFC	Boeing	6470279.150	1768603.010	92.00 - 117.00	-	57.92	51.52	9/5/2017	-	-6.40
DAC-P1	Boeing	Water Table/MBFB	Boeing	6468952.930	1769774.450	60.00 - 90.00	-	60.22	55.12	9/5/2017	-	-5.10
EWB002*	Boeing	Water Table/MBFB	Boeing	6470279.230	1769772.840	60.00 - 90.00	-	59.34	53.73	9/5/2017	-	-5.61
EWB003*	Boeing	Water Table/MBFB	Boeing	6470060.250	1768710.710	65.00 - 95.00	-	61.17	51.18	9/5/2017	-	-9.99
EWC001	Boeing	MBFC	Boeing	6470359.290	1769705.980	97.00 - 122.00	-	58.11	52.58	9/5/2017	-	-5.53
EWC003	Boeing	MBFC	Boeing	6470619.400	1769344.110	102.00 - 122.00	-	62.65	52.44	9/6/2017	-	-10.21
EWC004	Boeing	MBFC	Boeing	6470270.770	1768822.120	95.00 - 120.00	-	57.85	51.50	9/5/2017	-	-6.35
EWC005	Boeing	MBFC	Boeing	6470105.920	1768743.270	105.00 - 135.00	-	100.77	51.24	9/5/2017	-	-49.53
EWC006	Boeing	MBFC	Boeing	6470692.600	1769033.500	-	-	62.31	53.29	9/6/2017	-	-9.02
EWG001	Boeing	Gage	Boeing	6470687.540	1769343.740	155.00 - 195.00	-	125.74	52.80	9/6/2017	-	-72.94
EWG002	Boeing	Gage	Boeing	6470705.220	1768402.550	165.00 - 200.00	-	70.04	52.67	9/5/2017	-	-17.37
G-01	Montrose	Gage	Montrose	6470099.688	1767682.860	140.50 - 161.00	-90.91 - -111.41	55.91	49.11	9/5/2017	49.59	-6.80
G-01WC	Del Amo	Merged MBFB/MBFC	Del Amo	6473073.336	1766324.961	80.00 - 90.00	-49.82 - -59.82	36.39	29.21	9/5/2017	30.18	-7.18
G-02	Montrose	Gage	Montrose	6470673.747	1767087.929	155.00 - 175.50	-108.76 - -129.26	53.06	45.71	9/5/2017	46.24	-7.35
G-02WC	Del Amo	Merged MBFB/MBFC	Del Amo	6472414.162	1765677.097	82.00 - 92.00	-44.48 - -54.48	43.69	36.62	9/5/2017	37.52	-7.07

Table 3
Groundwater Level Measurements and Elevations
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR
Date Created: 11/28/2017

Well	Owner	HSU	Responsible Party	Easting	Northing	Screened Interval (Feet bgs)	Screened Interval Elevation (Feet MSL)	Depth to Water (Feet below Reference Elevation)	Reference Elevation (Feet MSL)	Date	Ground Surface Elevation (Feet MSL)	Water Level Elevation [2] (Feet MSL)
G-03	Montrose	Gage	Montrose	6470157.989	1767168.636	145.50 - 166.00	-93.07 - -113.57	58.96	52.15	9/5/2017	52.43	-6.81
G-04	Montrose	Gage	Montrose	6471310.583	1767331.841	154.00 - 194.00	-111.11 - -151.11	48.31	42.15	9/5/2017	42.89	-6.16
G-05	Montrose	Gage	Montrose	6471186.170	1766906.226	151.00 - 190.00	-105.70 - -144.70	51.56	44.16	9/7/2017	45.30	-7.40
G-06	Montrose	Gage	Montrose	6470964.242	1766628.942	149.00 - 190.00	-103.26 - -144.26	52.5	44.98	9/5/2017	45.74	-7.52
G-08	Montrose	Gage	Montrose	6471450.998	1765641.274	140.00 - 180.00	-113.67 - -153.67	33.07	24.98	9/5/2017	26.33	-8.09
G-09	Montrose	Gage	Montrose	6473090.860	1765575.858	172.00 - 213.00	-139.87 - -180.87	40.06	31.04	9/5/2017	32.13	-9.02
G-12	Montrose	Gage	Montrose	6472427.704	1766143.081	158.00 - 198.00	-128.59 - -168.59	36.88	28.31	9/5/2017	29.41	-8.57
G-13	Montrose	Gage	Montrose	6472054.510	1765787.291	157.00 - 197.00	-117.32 - -157.32	46.95	38.55	9/5/2017	39.68	-8.40
G-14	Montrose	Gage	Montrose	6471292.928	1768040.942	155.00 - 195.00	-111.15 - -151.15	50.53	43.07	9/5/2017	43.85	-7.46
G-15	Montrose	Gage	Montrose	6469946.000	1766709.000	142.00 - 182.00	-90.08 - -130.08	59.9	51.16	9/6/2017	51.92	-8.74
G-16	Montrose	Gage	Montrose	6471049.940	1765629.597	145.00 - 185.00	-104.37 - -144.37	47.4	39.56	9/5/2017	40.63	-7.84
G-17	Montrose	Gage	Del Amo	6472314.277	1766922.503	172.00 - 212.00	-132.49 - -172.49	46.98	38.45	9/5/2017	39.51	-8.53
G-18	Montrose	Gage	Montrose	6473238.421	1764836.325	161.00 - 201.00	-135.86 - -175.86	33.29	24.17	9/5/2017	25.14	-9.12
G-19A	Montrose	Gage	Montrose	6472417.000	1764936.000	160.00 - 200.00	-157.53 - -197.53	46.42	37.69	9/5/2017	2.47	-8.73
G-20	Montrose	Gage	ILM	6469488.000	1767698.000	155.00 - 175.00	-	64.23	57.84	9/5/2017	-	-6.39
G-21	Montrose	Gage	Montrose	6470519.000	1768012.000	149.00 - 169.00	-98.51 - -118.51	57.38	50.12	9/5/2017	50.49	-7.26
G-22	Montrose	Gage	Montrose	6473268.000	1763886.000	152.00 - 192.00	-149.52 - -189.52	35.51	26.69	9/5/2017	2.48	-8.82
G-23	Montrose	Gage	Montrose	6472398.000	1763657.000	148.00 - 178.00	-145.52 - -175.52	45.88	37.30	9/5/2017	2.48	-8.58
G-24	Montrose	Gage	Montrose	6470681.000	1764757.000	138.30 - 178.30	-135.83 - -175.83	50.38	42.86	9/5/2017	2.47	-7.52
G-25	Montrose	Gage	Montrose	6469340.000	1765603.000	124.00 - 164.00	-121.54 - -161.54	54.94	48.51	9/5/2017	2.46	-6.43
G-26	Montrose	Gage	Montrose	6470301.000	1763544.000	132.00 - 172.00	-129.53 - -169.53	45.23	38.18	9/5/2017	2.47	-7.05
G-27	Montrose	Gage	Montrose	6471795.000	1762885.000	124.00 - 164.00	-121.52 - -161.52	35.2	26.99	9/5/2017	2.48	-8.21
G-28	Montrose	Gage	Montrose	6473638.000	1762189.000	148.00 - 188.00	-145.51 - -185.51	47.65	38.02	9/5/2017	2.49	-9.63
G-29	Montrose	Gage	Montrose	6474905.000	1762931.000	157.00 - 197.00	-154.51 - -194.51	48.62	37.90	9/5/2017	2.49	-10.72
G-30	Montrose	Gage	Montrose	6468585.000	1763761.000	135.00 - 165.00	-132.54 - -162.54	53.75	47.41	9/6/2017	2.46	-6.34
G-31	Montrose	Gage	Montrose	6476041.000	1760760.000	145.00 - 175.00	-142.49 - -172.49	51.98	39.10	9/5/2017	2.51	-12.88
G-32	Montrose	Gage	Montrose	6476388.000	1762108.000	160.00 - 190.00	-157.50 - -187.50	48.55	35.17	9/5/2017	2.50	-13.38
G-33	Montrose	Gage	Montrose	6468401.000	1765698.000	143.00 - 173.00	-140.55 - -170.55	58.77	52.58	9/5/2017	2.45	-6.19
G-34	Montrose	Gage	Montrose	6473574.000	1760638.000	147.00 - 187.00	-144.50 - -184.50	51.45	41.93	9/5/2017	2.50	-9.52
G-35	Montrose	Gage	Montrose	6473727.900	1763463.000	150.00 - 190.00	-147.51 - -187.51	43.3	34.55	9/6/2017	2.49	-8.75
G-EW-1	Montrose	Gage	Montrose	6470895.000	1766669.000	144.00 - 198.00	-	45.67	38.34	9/5/2017	-	-7.33
G-EW-2	Montrose	Gage	Montrose	6473281.000	1763875.000	146.00 - 176.00	-143.52 - -173.52	30.21	21.89	9/5/2017	2.48	-8.32
G-EW-3	Montrose	Gage	Montrose	6470596.000	1764290.000	135.00 - 173.00	-	46.67	38.76	9/5/2017	-	-7.91
G-EW-4	Montrose	Gage	Montrose	6472157.260	1765619.650	160.00 - 200.00	-	58.21	35.65	9/5/2017	-	-22.56
G-EW-5	Montrose	Gage	Montrose	6472165.148	1764470.293	-	-	42.06	34.83	9/5/2017	-	-7.23
G-IW-1	Montrose	Gage	Montrose	6468136.000	1767186.000	138.00 - 163.00	-	NM	52.24	9/5/2017	-	-
G-IW-2	Montrose	Gage	Montrose	6473365.000	1766760.000	173.00 - 214.00	-	38.63	30.64	9/5/2017	-	-7.99
G-IW-3	Montrose	Gage	Montrose	6468014.770	1767693.650	144.00 - 194.00	-	NM	49.19	9/5/2017	-	-
G-IW-4	Montrose	Gage	Montrose	6473296.550	1766816.890	175.00 - 215.00	-	65.59	31.06	9/5/2017	-	-34.53
G-IW-5	Montrose	Gage	Montrose	6473398.450	1766643.270	170.00 - 210.00	-	40.58	29.70	9/5/2017	-	-10.88
G-IW-6	Montrose	Gage	Montrose	6473197.000	1766579.000	-	-	37.49	27.63	9/5/2017	-	-9.86
G-IW-7	Montrose	Gage	Montrose	6468137.540	1767503.520	140.00 - 195.00	-	NM	52.05	9/5/2017	-	-
G-OW-1	Montrose	Gage	ILM	6468135.000	1767110.000	140.00 - 185.00	-	62.96	57.31	9/5/2017	-	-5.65
G-OW-3	Montrose	Gage	Montrose	6472153.000	1764310.000	145.00 - 155.00	-	40.54	31.79	9/5/2017	-	-8.75
G-OW-4	Montrose	Gage	Montrose	6470639.000	1764290.000	138.00 - 173.00	-	51.14	43.66	9/5/2017	-	-7.48
GW-07A *	Del Amo	Water Table	Del Amo	6475264.402	1766404.137	47.00 - 57.00	-18.53 - -28.53	33.84	28.15	9/5/2017	28.47	-5.69
GW-07C	Del Amo	Merged MBFB/MBFC	Del Amo	6475258.873	1766395.654	86.30 - 90.90	-57.93 - -62.53	35.43	28.03	9/5/2017	28.37	-7.40
H-MW-11C	Honeywell	Gage	Honeywell	6465106.100	1771516.900	-	-	67.41	63.82	9/5/2017	-	-3.59
H-MW-1C	Honeywell	Gage	Honeywell	6464085.000	1771460.100	-	-	66.15	62.76	9/5/2017	-	-3.39
H-MW-5C	Honeywell	Gage	Honeywell	6464379.100	1771248.900	-	-	66.03	62.56	9/5/2017	-	-3.47
IRZCMW001	Boeing	MBFC	Boeing	6470218.180	1768659.660	92.00 - 117.00	-	58.19	51.73	9/5/2017	-	-6.46
IRZCMW002	Boeing	MBFC	Boeing	6470417.260	1768410.160	96.00 - 121.00	-	61.95	55.60	9/5/2017	-	-6.35
IRZCMW003	Boeing	MBFC	Boeing	6470297.650	1768592.650	92.00 - 117.00	-	58.12	51.69	9/5/2017	-	-6.43
IRZMW001A	Boeing	Water Table/MBFB	Boeing	6469844.090	1768987.750	65.00 - 75.00	-	63.17	56.76	9/5/2017	-	-6.41
IRZMW001B	Boeing	Water Table/MBFB	Boeing	6469844.090	1768987.750	80.00 - 90.00	-	63.15	56.69	9/5/2017	-	-6.46
IRZMW004 *	Boeing	Water Table/MBFB	Boeing	6470050.970	1768610.270	65.00 - 90.00	-	59.51	53.05	9/5/2017	-	-6.46
IRZMW005 *	Boeing	Water Table/MBFB	Boeing	6470037.850	1768707.720	65.00 - 90.00	-	59.43	52.76	9/5/2017	-	-6.67
IWB001 *	Boeing	Water Table/MBFB	Boeing	6470218.040	1770359.280	65.00 - 95.00	-	56.69	51.62	9/5/2017	-	-5.07
IWB002 *	Boeing	Water Table/MBFB	Boeing	6470520.860	1770146.080	65.00 - 95.00	-	57.09	51.78	9/5/2017	-	-5.31
IWC001	Boeing	MBFC	Boeing	6470121.220	1768452.760	95.00 - 115.00	-	59.49	53.04	9/5/2017	-	-6.45
IWC003	Boeing	MBFC	Boeing	6469593.010	1769376.570	110.00 - 120.00	-	61.05	55.45	9/5/2017	-	-5.60
IWC004	Boeing	MBFC	Boeing	6469590.950	1768420.430	107.00 - 142.00	-	62.27	56.03	9/5/2017	-	-6.24
JMWD-01	Jones	Water Table/MBFB	Jones	6470026.342	1767181.475	50.50 - 65.50	-	57.33	50.78	9/5/2017	-	-6.55
JMWD-02	Jones	Water Table/MBFB	Jones	6470196.474	1767037.978	54.00 - 69.00	-	55.26	48.55	9/5/2017	-	-6.71
JMWD-03	Jones	Water Table/MBFB	Jones	6469737.889	1766995.757	53.00 - 68.00	-	55.56	48.63	9/5/2017	-	-6.93
LBF-OW-3	Montrose	MBFC	Montrose	6472153.000	1764310.000	134.00 - 136.00	-	40.54	31.81	9/5/2017	-	-8.73
LG-01	Montrose	Gage	Montrose	6470673.578	1767036.926	188.50 - 209.00	-142.44 - -162.94	52.68	45.71	9/5/2017	46.06	-6.97
LG-02	Montrose	Gage	Montrose	6470381.494	1767317.907	185.00 - 205.00	-137.28 - -157.28	54.03	47.06	9/5/2017	47.72	-6.97
LW-01	Montrose	Lynwood	Montrose	6470378.000	1767335.000	230.00 - 250.00	-182.04 - -202.04	64.3	47.47	9/5/2017	47.96	-16.83
LW-02	Montrose	Lynwood	Montrose	6471244.208	1766917.035	232.00 - 252.00	-186.86 - -206.86	59.63	44.52	9/7/2017	45.14	-15.11
LW-03	Montrose	Lynwood	Montrose	6471311.926	1768039.880	238.00 - 259.00	-194.13 - -215.13	59.9	42.78	9/5/2017	43.87	-17.12
LW-04	Montrose	Lynwood	Montrose	6470873.219	1766623.242	225.00 - 245.00	-180.09 - -200.09	62.06	45.09	9/5/2017	44.91	-16.97
LW-05	Montrose	Lynwood	Montrose	6470127.706	1767687.768	230.00 - 250.00	-180.46 - -200.46	65.52	48.70	9/5/2017	49.54	-16.82
LW-06	Montrose	Lynwood	Montrose	6470682.000	1767580.000	235.00 - 255.00	-187.22 - -207.22	66.01	49.02	9/5/2017	47.78	-16.99
LW-07	Montrose	Lynwood	Montrose	6470176.000	1767188.000	230.00 - 250.00	-177.95 - -197.95	67.93	51.13	9/5/2017	52.05	-16.80
MBFB-EW-1	Montrose	Water Table/MBFB	Montrose	6470927.140	1766640.490	62.00 - 77.00	-59.54 - -74.54	46.40	40.20	9/6/2017	2.46	-6.20
MBFB-OW-1	Montrose	Water Table/MBFB	ILM	6468135.000	1767110.000	80.00 - 96.00	-	62.88	57.22	9/5/2017	-	-5.66
MW0005 *	Boeing	Water Table/MBFB	Boeing	6470232.280	1769062.740	65.00 - 85.00	-	57.41	50.08	9/5/2017	-	-7.33
MW-01 *	Montrose	Water Table/MBFB	Montrose	6470666.000	1767001.000	63.00 - 73.00	-17.48 - -27.48	51.47	45.22	9/5/2017	45.52	-6.25
MW-01HD *	Del Amo	Water Table	Del Amo	6474174.023	1766819.360	40.00 - 60.00	-6.24 - -26.24	39.97	33.43	9/5/2017	33.76	-6.54
MW-02 *	Montrose	Water Table/MBFB	Montrose	6470208.772	1767404.483	66.70 - 76.70	-14.59 - -24.59	57.46	51.18	9/5/2017	52.11	-6.28
MW-02HD *	Del Amo	Water Table	Del Amo	6474270.017	1766816.043	40.00 - 60.00	-6.69 - -26.69	39.01	33.06	9/5/2017	33.31	-5.95
MW-03 *	Montrose	Water Table/MBFB	ILM	6469733.000	1767425.000	64.40 - 74.40	-	56.05	49.92	9/5/2017	-	-6.13

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Well	Owner	HSU	Responsible Party	Easting	Northing	Screened Interval (Feet bgs)	Screened Interval Elevation (Feet MSL)	Depth to Water (Feet below Reference Elevation)	Reference Elevation (Feet MSL)	Date	Ground Surface Elevation (Feet MSL)	Water Level Elevation [2] (Feet MSL)
MW-03HD *	Del Amo	Water Table	Del Amo	6474259.308	1766722.972	40.00 - 60.00	-7.37 - -27.37	38.26	32.26	9/6/2017	32.63	-6.00
MW-04 *	Montrose	Water Table/MBFB	Montrose	6470117.659	1767673.800	64.90 - 74.90	-15.27 - -25.27	55.31	49.14	9/5/2017	49.63	-6.17
MW-04HD *	Del Amo	Water Table	Del Amo	6474164.553	1766677.382	51.00 - 61.00	-17.87 - -27.87	39.41	32.87	9/5/2017	33.13	-6.54
MW-05 *	Montrose	Water Table/MBFB	Montrose	6470682.444	1767600.931	61.50 - 72.50	-13.59 - -24.59	55.42	49.02	9/5/2017	47.91	-6.40
MW-06 *	Montrose	Water Table/MBFB	Montrose	6470194.121	1766905.501	65.00 - 80.00	-15.01 - -30.01	54.89	48.13	9/7/2017	49.99	-6.76
MW-07 *	Montrose	Water Table/MBFB	ILM	6469626.051	1766892.376	65.00 - 80.00	-	56.05	49.93	9/5/2017	-	-6.12
MW-08 *	Montrose	Water Table/MBFB	ILM	6469397.500	1767938.194	65.00 - 80.00	-	63.65	57.80	9/5/2017	-	-5.85
MW-09 *	Montrose	Water Table/MBFB	Montrose	6470361.531	1767934.011	66.00 - 81.00	-14.27 - -29.27	59.13	52.92	9/5/2017	51.73	-6.21
MW-10 *	Montrose	Water Table/MBFB	Montrose	6470936.916	1768042.118	62.00 - 77.00	-15.43 - -30.43	51.82	45.65	9/5/2017	46.57	-6.17
MW-11 *	Montrose	Water Table/MBFB	Montrose	6470888.525	1767320.234	62.00 - 77.00	-16.13 - -31.13	51.33	45.14	9/5/2017	45.87	-6.19
MW-12 *,1	Montrose	Water Table/MBFB	Montrose	6471288.54	1767318.913	51.00-76.00	-8.68 - -31.13	48.85	42.62	9/12/2017	42.32	-6.23
MW-13 *	Montrose	Water Table/MBFB	Montrose	6471218.177	1766908.120	62.00 - 77.00	-16.65 - -31.65	51	44.79	9/7/2017	45.35	-6.21
MW-14 *	Montrose	Water Table/MBFB	Del Amo	6470929.241	1766629.057	58.00 - 73.00	-12.98 - -27.98	51.49	45.57	9/5/2017	45.02	-5.92
MW-17 *	Montrose	Water Table/MBFB	ILM	6469336.352	1766685.320	65.00 - 81.00	-	56.8	50.69	9/5/2017	-	-6.11
MW-19 *	Montrose	Water Table/MBFB	Montrose	6470660.507	1768527.060	63.00 - 79.00	-13.15 - -29.15	55.04	49.10	9/5/2017	49.85	-5.94
MW-20 *	Montrose	Water Table/MBFB	Del Amo	6471636.000	1768459.000	57.00 - 73.00	-13.55 - -29.55	51.47	45.63	9/6/2017	43.45	-5.84
MW-21 **	Montrose	Water Table/MBFB	Del Amo	6471985.000	1767907.000	54.00 - 70.00	-13.99 - -29.99	45.44	39.01	9/5/2017	40.01	-6.43
MW-22 *	Montrose	Water Table/MBFB	Montrose	6470229.784	1765594.303	57.00 - 73.00	-12.22 - -28.22	50.55	44.30	9/6/2017	44.78	-6.25
MW-23 *	Montrose	Water Table	Montrose	6472078.497	1765783.212	60.00 - 75.00	-20.39 - -35.39	45.03	38.81	9/5/2017	39.61	-6.22
MW-24 *	Montrose	Water Table	Montrose	6471429.997	1765641.343	49.00 - 64.00	-23.42 - -38.42	31.4	24.86	9/5/2017	25.58	-6.54
MW-25 *	Montrose	Water Table	Montrose	6471681.360	1764840.464	56.00 - 71.00	-21.11 - -36.11	41.7	34.44	9/5/2017	34.89	-7.26
MW-26 *	Montrose	Water Table/MBFC	Montrose	6470879.845	1765603.157	59.00 - 74.00	-16.53 - -31.53	47.93	41.63	9/6/2017	42.47	-6.30
MW-27 *	Montrose	Water Table/MBFB	Del Amo	6471344.000	1768047.000	59.00 - 75.00	-15.31 - -31.31	49.12	42.95	9/5/2017	43.69	-6.17
MW-28 *	Montrose	Water Table/MBFB	Del Amo	6471854.000	1767659.000	54.00 - 71.00	-11.00 - -28.00	48.52	42.27	9/6/2017	43.00	-6.25
MW-29 *	Montrose	Water Table/MBFB	Del Amo	6471830.253	1766922.101	57.00 - 73.00	-15.16 - -31.16	47.95	41.59	9/5/2017	41.84	-6.36
MW-30 *	Montrose	Water Table/MBFB	Montrose	6471695.078	1766266.507	54.00 - 70.00	-13.67 - -29.67	46.59	40.05	9/5/2017	40.33	-6.54
MW-31 *	Montrose	Water Table/MBFB	ILM	6469128.000	1767149.000	64.50 - 79.50	-	63.28	57.18	9/5/2017	-	-6.10
MWB003 *	Boeing	Water Table/MBFB	Boeing	6470193.080	1769474.490	65.00 - 90.00	-	62.78	56.94	9/5/2017	-	-5.84
MWB006 *	Boeing	Water Table/MBFB	Boeing	6470251.330	1770050.940	65.00 - 90.00	-	59.02	53.89	9/7/2017	-	-5.13
MWB007 *	Boeing	Water Table/MBFB	Boeing	6470210.870	1770212.840	60.00 - 90.00	-	56.44	51.38	9/5/2017	-	-5.06
MWB012 *	Boeing	Water Table/MBFB	Boeing	6470034.630	1769019.150	64.50 - 84.50	-	58.64	52.42	9/5/2017	-	-6.22
MWB013 *	Boeing	Water Table/MBFB	Boeing	6469592.400	1769396.190	65.00 - 85.00	-	60.92	55.32	9/5/2017	-	-5.60
MWB014 *	Boeing	Water Table/MBFB	Boeing	6470280.450	1768387.300	65.00 - 85.00	-	57.92	51.69	9/5/2017	-	-6.23
MWB019 *	Boeing	Water Table/MBFB	Boeing	6469969.540	1768093.050	65.00 - 85.00	-	61.4	55.17	9/5/2017	-	-6.23
MWB020 *	Boeing	Water Table/MBFB	Boeing	6470395.970	1770862.950	59.50 - 89.50	-	55.55	51.06	9/5/2017	-	-4.49
MWB027 *	Boeing	Water Table/MBFB	Boeing	6469948.390	1769934.470	67.50 - 87.50	-	62.79	57.13	9/5/2017	-	-5.66
MWB028 *	Boeing	Water Table/MBFB	Boeing	6470106.440	1769475.280	65.00 - 90.00	-	62.71	56.83	9/5/2017	-	-5.88
MWB029	Boeing	Water Table/MBFB	Boeing	6470186.240	1768081.000	60.00 - 90.00	-	62.81	56.57	9/5/2017	-	-6.24
MWB030	Boeing	Water Table/MBFB	Boeing	6470721.240	1770059.600	55.00 - 90.00	-	57.51	52.28	9/5/2017	-	-5.23
MWC004	Boeing	MBFC	Boeing	6470486.430	1769490.510	96.00 - 116.00	-	57.96	51.86	9/6/2017	-	-6.10
MWC006	Boeing	MBFC	Boeing	6470251.580	1770037.410	95.00 - 115.00	-	59.24	54.02	9/5/2017	-	-5.22
MWC007	Boeing	MBFC	Boeing	6470172.120	1770171.930	97.00 - 117.00	-	56.66	51.56	9/5/2017	-	-5.10
MWC009	Boeing	MBFC	Boeing	6470657.960	1769365.100	101.00 - 121.00	-	60.76	53.99	9/6/2017	-	-6.77
MWC011	Boeing	MBFC	Boeing	6470262.770	1769748.830	94.00 - 114.00	-	59.54	54.02	9/5/2017	-	-5.52
MWC015	Boeing	MBFC	Boeing	6470303.550	1768820.920	100.00 - 125.00	-	58.74	51.50	9/5/2017	-	-7.24
MWC016	Boeing	MBFC	Boeing	6469987.000	1768720.070	102.50 - 127.50	-	59.13	52.60	9/5/2017	-	-6.53
MWC017	Boeing	MBFC	Boeing	6469978.910	1768092.850	100.00 - 125.00	-	61.45	55.15	9/5/2017	-	-6.30
MWC021	Boeing	MBFC	Boeing	6470705.230	1768938.530	97.00 - 122.00	-	61.01	54.53	9/6/2017	-	-6.48
MWC022	Boeing	MBFC	Boeing	6470454.080	1769986.260	97.00 - 117.00	-	56.88	51.60	9/5/2017	-	-5.28
MWC023	Boeing	MBFC	Boeing	6470427.780	1769801.500	97.00 - 117.00	-	56.87	51.43	9/5/2017	-	-5.44
MWC024	Boeing	MBFC	Boeing	6470265.980	1768408.810	96.00 - 121.00	-	58.03	51.63	9/5/2017	-	-6.40
MWC025	Boeing	MBFC	Boeing	6470529.760	1769776.190	114.00 - 124.00	-	58.27	52.60	9/5/2017	-	-5.67
MWC026	Boeing	MBFC	Boeing	6470695.510	1769628.590	110.00 - 120.00	-	57.98	51.75	9/6/2017	-	-6.23
MWC027	Boeing	MBFC	Boeing	6470706.610	1769139.300	105.00 - 120.00	-	61.04	54.30	9/6/2017	-	-6.74
MWC028	Boeing	MBFC	Boeing	6470816.000	1769030.500	-	-	55.79	49.53	9/5/2017	-	-6.26
MWG001	Boeing	Gage	Boeing	6470706.230	1769149.130	156.00 - 186.00	-	61.04	54.13	9/6/2017	-	-6.91
MWG002	Boeing	Gage	Boeing	6470704.810	1768451.690	162.00 - 192.00	-	62.51	54.78	9/5/2017	-	-7.73
MWG003	Boeing	Gage	Boeing	6470055.900	1768915.500	154.50 - 184.50	-	59.62	53.07	9/5/2017	-	-6.55
MWG004	Boeing	Gage	Boeing	6470230.710	1768388.280	155.00 - 185.00	-	58.92	52.03	9/5/2017	-	-6.89
P-1 *	ILM	Water Table/MBFB	ILM	6468891.048	1769672.142	65.70 - 85.70	-	63.06	57.64	9/5/2017	-	-5.42
P-10	ILM	Water Table/MBFB	ILM	6467809.910	1768479.472	61.30 - 76.30	-	65.33	60.03	9/5/2017	-	-5.30
P-12 *	ILM	Water Table/MBFB	ILM	6468119.575	1770911.524	65.80 - 80.80	-	63.56	59.39	9/5/2017	-	-4.17
P-12B	ILM	MBFC	ILM	6468114.376	1770883.694	120.00 - 135.00	-	63.43	59.41	9/5/2017	-	-4.02
P-12C	ILM	Gage	ILM	6468107.648	1770882.164	167.60 - 182.60	-	64.4	59.43	9/5/2017	-	-4.97
P-16A *	ILM	Water Table/MBFB	ILM	6468355.111	1768945.122	63.50 - 83.50	-	60.8	55.13	9/5/2017	-	-5.67
P-16C	ILM	MBFC	ILM	6468364.108	1768945.104	103.00 - 118.00	-	60.33	54.69	9/5/2017	-	-5.64
P-17 *	ILM	Water Table/MBFB	ILM	6468488.266	1769186.561	63.80 - 83.80	-	63.03	57.37	9/5/2017	-	-5.66
P-1C	ILM	Gage	ILM	6468898.232	1769683.863	156.70 - 171.70	-	63.51	57.88	9/5/2017	-	-5.63
P-2 *	ILM	Water Table/MBFB	ILM	6467782.169	1770280.110	66.10 - 76.10	-	64.08	60.35	9/5/2017	-	-3.73
P-20	ILM	Water Table/MBFB	ILM	6468896.341	1769482.725	62.50 - 82.50	-	63.18	57.81	9/5/2017	-	-5.37
P-22 *	ILM	Water Table/MBFB	ILM	6468339.728	1768346.749	63.90 - 83.90	-	62.48	56.83	9/5/2017	-	-5.65
P-24	ILM	Water Table/MBFB	ILM	6468245.100	1770500.515	54.80 - 74.80	-	62.55	58.04	9/5/2017	-	-4.51
P-26A	ILM	Water Table/MBFB	ILM	6468438.102	1769536.779	51.00 - 76.00	-	64.53	59.17	9/5/2017	-	-5.36
P-26B	ILM	MBFC	ILM	6468429.070	1769536.621	123.00 - 133.00	-	64.01	58.75	9/5/2017	-	-5.26
P-26C	ILM	Gage	ILM	6468420.197	1769536.779	157.00 - 172.00	-	64.3	58.80	9/5/2017	-	-5.50
P-27A *	ILM	Water Table/MBFB	ILM	6468064.701	1772308.926	74.00 - 84.00	-	58.15	54.62	9/5/2017	-	-3.53
P-27B	ILM	MBFC	ILM	6468058.371	1772309.242	92.50 - 112.50	-	58.33	54.68	9/5/2017	-	-3.65
P-3	ILM	Water Table/MBFB	ILM	6467827.201	1770911.218	56.00 - 71.00	-	61.26	57.40	9/5/2017	-	-3.86
P-5 *	ILM	Water Table/MBFB	ILM	6468896.053	1770437.694	63.90 - 83.90	-	63.07	58.86	9/5/2017	-	-4.21
P-6B	ILM	Water Table/MBFB	ILM	6468897.517	1769123.322	60.50 - 80.50	-	63.91	58.32	9/5/2017	-	-5.59
P-7 *	ILM	Water Table/MBFB	ILM	6468886.887	1768382.177	62.50 - 82.50	-	62.21	56.31	9/5/2017	-	-5.90
P-9B	ILM	Water Table/MBFB	ILM	6467788.095	1769527.377	60.90 - 80.90	-	65.03	60.21	9/5/2017	-	-4.82
PBF-A-18R	PBF	Gage	PBF	6463270.940	1770339.720	74.00 - 94.00	-	69.67	70.39	9/5/2017	-	0.74

Table 3
Groundwater Level Measurements and Elevations
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR
Date Created: 11/28/2017

Well	Owner	HSU	Responsible Party	Easting	Northing	Screened Interval (Feet bgs)	Screened Interval Elevation (Feet MSL)	Depth to Water (Feet below Reference Elevation)	Reference Elevation (Feet MSL)	Date	Ground Surface Elevation (Feet MSL)	Water Level Elevation [2] (Feet MSL)
PBF-A-20R	PBF	Gage	PBF	6463931.110	1770170.510	75.00 - 95.00	-	68.31	68.85	9/5/2017	-	0.56
PBF-A-22R	PBF	Gage	PBF	6463487.960	1770624.730	75.00 - 95.00	-	70.75	71.49	9/5/2017	-	0.74
PBF-ATT-02	PBF	Gage	PBF	6466531.000	1764481.000	-	-	72.31	67.02	9/9/2017	67.44	-5.33
PBF-ATT-03	PBF	Gage	PBF	6467017.000	1764014.000	-	-	51.31	45.88	9/9/2017	45.94	-3.79
PBF-ATT-04	PBF	Gage	PBF	6466871.000	1764502.000	-	-	72.66	67.36	9/9/2017	70.44	-4.37
PBF-ESB-05D	PBF	Gage	PBF	6463950.140	1768301.830	40.00 - 65.00	15.11 - -9.89	65.28	58.05	9/5/2017	55.11	-4.58 (3.62)
PBF-ESB-10D	PBF	Gage	PBF	6464541.000	1768168.820	45.00 - 70.00	9.69 - -15.31	65.49	57.70	9/5/2017	54.69	-5.52 (3.12)
PBF-ESB-11D	PBF	Gage	PBF	6464574.450	1768278.060	45.00 - 70.00	10.06 - -14.94	65.99	58.10	9/6/2017	55.06	-5.54 (3.22)
PBF-EW-01	PBF	Gage	PBF	6463358.540	1767075.070	82.00 - 162.00	-12.99 - -92.99	101.82	69.53	10/5/2017	69.01	-25.54 (26.14)
PBF-EW-01R	PBF	Gage	PBF	6463307.180	1767072.830	75.00 - 175.00	-6.19 - -106.19	77	70.44	9/5/2017	68.81	-6.56
PBF-EW-02	PBF	Gage	PBF	6464516.670	1767148.620	80.00 - 155.00	-23.38 - -98.38	86.4	57.56	10/5/2017	56.62	-24.94 (4.87)
PBF-EW-02R	PBF	Gage	PBF	6464711.620	1767129.330	80.00 - 100.00	-19.33 - -39.33	66.68	62.27	9/6/2017	60.67	-4.41
PBF-EW-03	PBF	Gage	PBF	6464884.430	1767137.600	74.00 - 145.00	-14.28 - -85.28	95.08	60.71	10/5/2017	59.72	-13.03 (28.08)
PBF-EW-04	PBF	Gage	PBF	6465060.040	1767675.830	65.00 - 140.00	-5.78 - -80.78	86.68	60.14	10/5/2017	59.22	-11.37 (19.70)
PBF-EW-05	PBF	Gage	PBF	6465054.750	1768497.180	65.00 - 145.00	-12.98 - -92.98	73.94	52.81	10/5/2017	52.02	-21.12 (0.01)
PBF-EW-05R	PBF	Gage	PBF	6465054.590	1768694.670	80.00 - 180.00	-	61.44	57.25	9/6/2017	-	-4.19
PBF-EW-06	PBF	Gage	PBF	6466187.770	1765795.680	74.00 - 144.00	-19.67 - -89.67	NM	53.77	9/8/2017	54.33	NM
PBF-EW-07	PBF	Gage	PBF	6465901.000	1764299.000	75.00 - 145.00	-9.67 - -79.67	69.42	64.21	9/9/2017	65.33	-5.07 (0.15)
PBF-I-02R	PBF	Gage	PBF	6462377.450	1770884.790	75.00 - 115.00	-12.67 - -52.67	64.58	61.68	9/5/2017	62.33	-2.88
PBF-I-03R	PBF	Gage	PBF	6465026.770	1770768.000	75.00 - 105.00	-8.58 - -38.58	72.22	68.45	9/6/2017	66.42	-3.77
PBF-I-04R	PBF	Gage	PBF	6464461.900	1767001.950	60.00 - 100.00	2.32 - -37.68	68.3	62.30	9/5/2017	62.32	-6.00
PBF-II-03R	PBF	Gage	PBF	6464881.220	1768529.970	60.00 - 90.00	-4.18 - -34.18	58.77	52.34	9/6/2017	55.82	-6.43
PBF-II-04R	PBF	Gage	PBF	6463523.510	1768003.710	70.00 - 100.00	-3.69 - -33.69	70.68	62.36	9/6/2017	66.31	-4.38 (5.33)
PBF-II-04RA	PBF	Gage	PBF	6463570.810	1767617.910	60.00 - 130.00	1.61 - -68.39	69.92	62.05	9/5/2017	61.61	-4.52 (4.55)
PBF-II-04RB	PBF	Gage	PBF	6463838.290	1767982.300	60.00 - 130.00	2.31 - -67.69	71.78	64.46	9/6/2017	62.31	-4.37 (4.01)
PBF-II-04RC	PBF	Gage	PBF	6463410.350	1768143.280	70.00 - 130.00	-7.39 - -67.39	68.55	64.36	9/5/2017	62.61	-4 (0.33)
PBF-III-04R	PBF	Gage	PBF	6464940.530	1768952.970	70.00 - 90.00	-12.08 - -32.08	62.7	57.40	9/6/2017	57.92	-5.30
PBF-III-06R	PBF	Gage	PBF	6463258.770	1768698.200	60.00 - 110.00	-0.39 - -50.39	65.68	61.92	9/5/2017	59.61	-3.76
PBF-III-07R	PBF	Gage	PBF	6465056.490	1767776.940	70.00 - 110.00	-15.98 - -55.98	65.22	55.95	9/6/2017	54.02	-6.39 (3.82)
PBF-III-08R	PBF	Gage	PBF	6465061.900	1767126.470	75.00 - 115.00	-14.68 - -54.68	68.43	62.06	9/5/2017	60.32	-6.20
PBF-III-09R	PBF	Gage	PBF	6463709.840	1767043.760	73.00 - 113.00	-5.48 - -45.48	73.21	68.98	9/5/2017	67.52	-4.30
PBF-III-10R	PBF	Gage	PBF	6462920.630	1766999.040	90.00 - 130.00	-20.59 - -60.59	74.81	71.28	9/5/2017	69.41	-3.53
PBF-III-11R	PBF	Gage	PBF	6463212.910	1767384.960	75.00 - 114.00	-11.79 - -50.79	NM	64.91	9/6/2017	63.21	NM
PBF-III-12R	PBF	Gage	PBF	6464070.430	1767504.980	70.00 - 120.00	-12.88 - -62.88	64.57	59.39	9/5/2017	57.12	-5.25
PBF-III-13R	PBF	Gage	PBF	6462768.930	1768091.930	65.00 - 133.00	-0.39 - -68.39	69.66	66.92	9/5/2017	64.61	-2.73
PBF-III-14R	PBF	Gage	PBF	6463429.540	1767044.560	58.60 - 118.60	10.22 - -49.78	72.75	68.09	9/5/2017	68.82	-4.65
PBF-III-15R	PBF	Gage	PBF	6464144.530	1767042.550	60.00 - 120.00	5.02 - -54.98	72.06	66.94	9/5/2017	65.02	-5.10
PBF-III-16R	PBF	Gage	PBF	6463761.850	1767527.320	71.75 - 120.00	-14.23 - -62.48	63.97	59.51	9/5/2017	57.52	-4.53
PBF-III-20R	PBF	Gage	PBF	6464414.960	1768138.820	60.00 - 90.00	-1.08 - -31.08	66.37	60.97	9/5/2017	58.92	-5.47
PBF-III-21R	PBF	Gage	PBF	6464881.800	1768370.260	60.00 - 90.00	-7.28 - -37.28	60.49	54.53	9/6/2017	52.72	-5.9 (0.16)
PBF-III-22R	PBF	Gage	PBF	6463853.740	1767043.030	75.00 - 105.00	-9.38 - -39.38	73.68	69.00	9/5/2017	65.62	-4.73 (0.02)
PBF-III-23R	PBF	Gage	PBF	6463990.770	1767044.920	75.00 - 105.00	-8.58 - -38.58	71.88	67.10	9/5/2017	66.42	-4.85
PBF-III-25R	PBF	Gage	PBF	6464173.570	1768730.530	63.00 - 93.00	-9.58 - -39.58	57.8	52.91	9/5/2017	53.42	-4.94 (0.03)
PBF-III-26R	PBF	Gage	PBF	6465061.890	1768161.630	50.00 - 80.00	0.12 - -29.88	57.89	49.52	9/6/2017	50.12	-5.93 (3.09)
PBF-III-27R	PBF	Gage	PBF	6464173.100	1768745.500	55.50 - 74.50	-2.58 - -21.58	58.87	52.86	9/6/2017	52.92	-4.76 (1.76)
PBF-III-28R	PBF	Gage	PBF	6464146.900	1768743.800	55.00 - 75.50	-1.98 - -22.48	62.1	52.86	9/6/2017	53.02	-5.2 (5.48)
PBF-IV-01R	PBF	Gage	PBF	6463523.040	1766794.400	60.00 - 118.00	8.42 - -49.58	72.24	68.02	9/7/2017	68.42	-4.23
PBF-IV-02R	PBF	Gage	PBF	6463787.220	1766794.680	62.00 - 131.00	5.92 - -63.08	71.5	67.15	9/7/2017	67.92	-4.36
PBF-IV-03R	PBF	Gage	PBF	6464188.530	1766794.030	60.00 - 119.00	2.42 - -56.58	66.71	61.87	9/7/2017	62.42	-4.84
PBF-IX-01R	PBF	Gage	PBF	6465513.780	1766860.010	148.00 - 158.00	-95.57 - -105.57	NM	55.90	9/7/2017	52.43	NM
PBF-IX-02R	PBF	Gage	PBF	6465536.940	1766861.300	178.00 - 188.00	-125.57 - -135.57	NM	54.34	9/7/2017	52.43	NM
PBF-IX-03R	PBF	Gage	PBF	6465957.280	1765794.530	127.00 - 137.00	-70.57 - -80.57	60.47	55.35	9/8/2017	56.43	-5.12
PBF-IX-04R	PBF	Gage	PBF	6465972.930	1765795.270	160.00 - 170.00	-103.57 - -113.57	60.58	55.52	9/8/2017	56.43	-5.06
PBF-IX-05R	PBF	Gage	PBF	6465176.000	1764455.000	145.00 - 155.00	-74.57 - -84.57	74.51	69.84	9/9/2017	70.43	-4.65
PBF-IX-06R	PBF	Gage	PBF	6465196.000	1764455.000	185.00 - 195.00	-114.57 - -124.57	73.81	69.31	9/9/2017	70.43	-4.48
PBF-L-01	PBF	Lynwood	PBF	6465968.820	1765812.530	276.00 - 292.00	-224.59 - -240.59	61.35	55.29	9/8/2017	51.41	-10.15
PBF-L-02	PBF	Lynwood	PBF	6465528.480	1766811.180	275.00 - 290.00	-222.37 - -237.37	56.78	51.89	9/7/2017	52.63	-5.59
PBF-L-04	PBF	Lynwood	PBF	6463196.800	1770421.900	257.00 - 287.00	-186.29 - -216.29	75.79	70.66	9/5/2017	70.71	-5.20
PBF-L-05	PBF	Lynwood	PBF	6463203.300	1769475.100	250.00 - 280.00	-189.89 - -219.89	64.67	60.48	9/5/2017	60.11	-4.26
PBF-MW-01	PBF	Gage	PBF	6465541.000	1763584.000	80.00 - 102.00	-11.56 - -33.56	73.76	68.73	9/9/2017	68.44	-5.01
PBF-MW-02	PBF	Gage	PBF	6466020.000	1763862.000	80.00 - 105.00	-15.56 - -40.56	69.21	64.10	9/9/2017	64.44	-5.09
PBF-MW-05	PBF	Gage	PBF	6465932.000	1764215.000	80.00 - 100.00	-13.96 - -33.96	69.56	64.92	9/9/2017	66.04	-4.62
PBF-MW-07	PBF	Gage	PBF	6465929.000	1764327.000	70.00 - 100.00	-4.56 - -34.56	69.56	64.52	9/9/2017	65.44	-5.02
PBF-MW-08	PBF	Gage	PBF	6466069.000	1764828.000	70.00 - 100.00	-5.57 - -35.57	68.66	63.72	9/9/2017	64.43	-4.92
PBF-MW-09	PBF	Gage	PBF	6466759.000	1763713.000	75.00 - 105.00	-6.56 - -36.56	72.61	67.25	9/9/2017	68.44	-5.34
PBF-MW-10	PBF	Gage	PBF	6465450.000	1763704.000	75.00 - 105.00	-7.07 - -37.07	71.91	67.01	9/9/2017	67.93	-4.88
PBF-MW-11	PBF	Gage	PBF	6465664.000	1763611.000	75.00 - 105.00	-7.06 - -37.06	71.76	66.78	9/9/2017	67.94	-4.96
PBF-MW-12	PBF	Gage	PBF	6465823.000	1764230.000	70.00 - 100.00	-2.57 - -32.57	69.41	64.38	9/9/2017	67.43	-5.01
PBF-MW-13	PBF	Gage	PBF	6465251.000	1763980.000	75.00 - 105.00	-5.07 - -35.07	72.41	69.07	9/9/2017	69.93	-3.32
PBF-MW-14	PBF	Gage	PBF	6466576.000	1763550.000	60.00 - 90.00	-7.16 - -37.16	57.31	51.99	9/9/2017	52.84	-5.30
PBF-MW-15	PBF	Gage	PBF	6466413.360	1763224.030	65.00 - 95.00	-4.36 - -34.36	64.86	59.59	9/9/2017	60.64	-5.25
PBF-MW-16	PBF	Gage	PBF	6466161.000	1763099.000	70.00 - 100.00	-2.56 - -32.56	71.81	66.51	9/9/2017	67.44	-5.28
PBF-OW-01	PBF	Gage	PBF	6464344.650	1767046.520	70.00 - 149.00	-8.48 - -87.48	68.7	62.80	9/5/2017	61.52	-5.79 (0.22)
PBF-PW-01	PBF	Gage	PBF	6464394.000	1767055.220	70.00 - 150.00	-8.38 - -88.38	70.87	64.96	9/5/2017	61.62	-5.97
PBF-PZ-01	PBF	Gage	PBF	6463213.740	1767072.720	155.00 - 185.00	-86.19 - -116.19	78.05	71.95	9/5/2017	68.81	-6.10
PBF-PZ-200	PBF	Gage	PBF	6464462.520	1767057.750	180.00 - 200.00	-118.68 - -138.68	69.1	63.09	9/5/2017	61.32	-6.01
PBF-PZ-300	PBF	Lynwood	PBF	6464463.490	1767051.300	289.00 - 309.00	-227.68 - -247.68	68.3	64.02	9/5/2017	61.32	-4.26
PBF-PZ-400	PBF	Gage	PBF	6463508.780	1768238.930	205.00 - 230.00	-123.59 - -148.59	69.63	65.76	9/5/2017	81.41	-3.87
PBF-PZ-500	PBF	Lynwood	PBF	6463509.090	1768261.260	280.00 - 320.00	-198.59 - -238.59	69.31	65.54	9/5/2017	81.41	-3.77
PBF-R-15	PBF	Gage	PBF	6464805.480	1769797.210	67.00 - 87.00	-5.38 - -25.38	66.7	62.28	9/6/2017	61.62	-4.42
PBF-RW-01	PBF	Gage	PBF	6463574.980	1768003.360	75.00 - 127.00	-14.09 - -66.09	70.57	62.68	9/6/2017	60.91	-4.05 (5.13)
PBF-RW-02	PBF	Gage	PBF	6463716.930	1767127.050	75.00 - 127.00	-10.58 - -62.58	72.92	66.09	9/6/2017	64.42	-4.71 (2.92)
PBF-RW-03	PBF	Gage	PBF	6464062.000	1767145.430	75.00 - 127.00	-13.08 - -65.08	70.2	63.57	9/6/2017	61.92	-4.87 (2.35)

Table 3
Groundwater Level Measurements and Elevations
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR
Date Created: 11/28/2017

Well	Owner	HSU	Responsible Party	Easting	Northing	Screened Interval (Feet bgs)	Screened Interval Elevation (Feet MSL)	Depth to Water (Feet below Reference Elevation)	Reference Elevation (Feet MSL)	Date	Ground Surface Elevation (Feet MSL)	Water Level Elevation [2] (Feet MSL)
PBF-TFL-01	PBF	Gage	PBF	6465125.640	1769054.450	60.00 - 130.00	-0.78 - -70.78	66.47	61.35	9/6/2017	59.22	-5.12
PBF-TFL-03	PBF	Gage	PBF	6465027.720	1768669.690	60.00 - 130.00	-6.88 - -76.88	57.95	52.12	9/9/2017	53.12	-5.83
PBF-TV-01	PBF	Gage	PBF	6463892.500	1768272.200	59.00 - 79.00	-3.69 - -23.69	65.02	58.72	9/6/2017	55.31	-4.37 (2.65)
PBF-TV-02	PBF	Gage	PBF	6463889.200	1768268.600	59.00 - 79.00	-3.69 - -23.69	64.64	58.92	9/5/2017	55.31	-4.38 (1.87)
PBF-TV-04	PBF	Gage	PBF	6463873.100	1768256.200	59.00 - 79.00	-3.59 - -23.59	65.35	58.77	9/5/2017	55.41	-4.28 (3.14)
PBF-URS-01	PBF	Gage	PBF	6465245.250	1768298.050	63.60 - 93.60	-3.30 - -33.30	65.77	59.69	9/8/2017	60.30	-6.13 (0.02)
PBF-URS-02	PBF	Gage	PBF	6465519.930	1767668.950	65.00 - 95.00	-8.09 - -38.09	62.02	56.14	9/8/2017	56.91	-5.88
PBF-URS-03	PBF	Gage	PBF	6466245.200	1768712.530	65.00 - 95.00	-3.03 - -33.03	66.46	61.31	9/8/2017	61.97	-5.16
PBF-URS-04	PBF	Gage	PBF	6466498.030	1768045.860	65.00 - 95.00	-6.95 - -36.95	62.79	57.41	9/8/2017	58.05	-5.39
PBF-URS-05	PBF	Gage	PBF	6466387.930	1767143.420	65.00 - 95.00	-11.21 - -41.21	58.62	53.37	9/8/2017	53.79	-5.25
PBF-V-04R	PBF	Gage	PBF	6464834.300	1766533.010	60.00 - 130.00	-8.88 - -78.88	57.28	52.05	9/7/2017	51.12	-5.29
PBF-V-05R	PBF	Gage	PBF	6465296.620	1765752.200	70.00 - 130.00	-7.87 - -67.87	67.36	62.02	9/8/2017	62.13	-5.34
PBF-V-06R	PBF	Gage	PBF	6465533.000	1765751.030	70.00 - 130.00	-9.87 - -69.87	65.02	59.97	9/8/2017	60.13	-5.05
PBF-V-07R	PBF	Gage	PBF	6463346.140	1766232.740	70.00 - 130.00	0.00 - -60.00	73.34	69.65	9/7/2017	70.00	-3.70
PBF-V-08R	PBF	Gage	PBF	6462659.420	1766228.280	70.00 - 130.00	-0.39 - -60.39	72.38	69.26	9/7/2017	69.61	-3.12
PBF-VI-02R	PBF	Gage	PBF	6466184.670	1766490.860	60.00 - 110.00	-7.57 - -57.57	56.58	51.13	9/8/2017	52.43	-5.45
PBF-VI-03R	PBF	Gage	PBF	6464928.190	1765898.990	84.50 - 124.50	-13.57 - -53.57	75.48	70.16	9/8/2017	70.93	-5.33
PBF-VI-04R	PBF	Gage	PBF	6466376.250	1765652.790	50.00 - 110.00	-0.57 - -60.57	54.23	49.03	9/7/2017	49.43	-5.20
PBF-VI-05R	PBF	Gage	PBF	6464724.370	1764662.050	70.00 - 120.00	0.93 - -49.07	74.54	70.22	9/7/2017	70.93	-4.32
PBF-VI-06R	PBF	Gage	PBF	6467088.560	1765089.120	60.00 - 110.00	-9.56 - -59.56	55.11	49.78	9/7/2017	50.44	-5.33
PBF-VII-01R	PBF	Gage	PBF	6465885.950	1766502.390	60.00 - 110.00	-7.07 - -57.07	57.03	51.70	9/8/2017	52.93	-5.33
PBF-VII-02R	PBF	Gage	PBF	6465289.470	1766510.410	60.00 - 100.00	-6.57 - -46.57	57.58	52.23	9/8/2017	53.43	-5.36
PBF-VII-03R	PBF	Gage	PBF	6465072.000	1765202.000	70.00 - 110.00	-7.57 - -47.57	66.06	61.14	9/9/2017	62.43	-4.90
PBF-VII-04R	PBF	Gage	PBF	6465696.000	1765220.000	70.00 - 110.00	-7.07 - -47.07	62.71	57.58	9/9/2017	62.93	-5.11
PBF-VII-05R	PBF	Gage	PBF	6466197.000	1765451.000	80.00 - 120.00	-13.47 - -53.47	70.91	65.52	9/9/2017	66.53	-5.37
PBF-VII-06R	PBF	Gage	PBF	6465216.000	1764455.000	75.00 - 115.00	-4.57 - -44.57	74.01	69.27	9/9/2017	70.43	-4.72
PBF-VII-08R	PBF	Gage	PBF	6464499.710	1765481.960	75.00 - 115.00	-4.07 - -44.07	74.02	69.70	9/7/2017	70.93	-4.33
PBF-VII-09R	PBF	Gage	PBF	6467143.880	1766042.130	60.00 - 100.00	-7.06 - -47.06	57.19	51.79	9/7/2017	52.94	-5.40
PBF-VIII-01R	PBF	Gage	PBF	6466201.110	1766055.240	65.00 - 100.00	-8.67 - -43.67	60.97	55.71	9/8/2017	56.33	-5.26
PBF-VIII-02R	PBF	Gage	PBF	6465973.760	1765749.040	65.00 - 100.00	-8.67 - -43.67	60.92	55.78	9/8/2017	56.33	-5.14
PBF-X-01R	PBF	Gage	PBF	6464149.510	1764275.480	75.00 - 105.00	-1.87 - -31.87	76.38	72.29	9/7/2017	73.13	-4.09
PBF-X-02R	PBF	Gage	PBF	6464984.970	1763362.570	83.00 - 113.00	-7.17 - -37.17	79.54	74.90	9/7/2017	75.83	-4.64
PBF-X-03R	PBF	Gage	PBF	6465537.020	1762864.630	83.00 - 113.00	-7.26 - -37.26	79.83	74.74	9/7/2017	75.74	-5.09
PBF-X-04R	PBF	Gage	PBF	6466544.870	1762983.520	65.00 - 95.00	-1.06 - -31.06	68.3	62.86	9/7/2017	63.94	-5.44
PBF-X-05R	PBF	Gage	PBF	6466514.760	1762983.230	140.00 - 150.00	-76.06 - -86.06	68.41	62.63	9/7/2017	63.94	-5.78
PBF-X-06R	PBF	Gage	PBF	6466530.000	1762983.350	187.00 - 197.00	-123.16 - -133.16	68.24	63.04	9/7/2017	63.84	-5.20
PBF-X-07R	PBF	Gage	PBF	6466262.380	1762626.450	80.00 - 110.00	-9.46 - -39.46	75.68	69.55	9/7/2017	70.54	-6.13
PBF-X247-89	PBF	Gage	PBF	6464389.140	1768428.460	71.00 - 81.00	-	57.12	51.82	9/5/2017	-	-5.31
PBF-X247-90	PBF	Gage	PBF	6464389.140	1768428.460	87.00 - 88.00	-	57.2	51.90	9/5/2017	-	-5.31
PBF-XIII-01R	PBF	Gage	PBF	6463898.100	1768148.300	60.00 - 80.00	-4.39 - -24.39	64.23	58.08	9/6/2017	55.61	-4.24 (2.63)
PBF-XIII-02R	PBF	Gage	PBF	6464225.000	1768166.700	60.00 - 80.00	-2.88 - -22.88	66.06	59.45	9/6/2017	57.12	-4.74 (2.58)
PBF-XIII-03R	PBF	Gage	PBF	6463715.800	1768179.500	70.00 - 90.00	-6.59 - -26.59	73.45	65.81	9/6/2017	63.41	-4.34 (4.48)
PBF-XIII-04R	PBF	Gage	PBF	6463555.700	1768213.300	67.00 - 87.00	-3.19 - -23.19	73.06	66.19	9/6/2017	63.81	-3.96 (3.96)
PBF-XIII-05R	PBF	Gage	PBF	6464692.000	1768185.000	65.00 - 85.00	-9.78 - -29.78	63.72	57.53	9/5/2017	55.22	-5.75 (0.67)
PBF-XIII-07R	PBF	Gage	PBF	6462811.100	1769425.900	65.00 - 85.00	-4.89 - -24.89	61.04	62.38	9/6/2017	60.11	2.35 (1.34)
PBF-XIII-08R	PBF	Gage	PBF	6464669.400	1767543.900	68.50 - 88.50	-10.98 - -30.98	64.9	60.53	9/6/2017	57.52	-4.04 (0.52)
PBF-XIII-09R	PBF	Gage	PBF	6464723.200	1767135.900	55.00 - 85.00	4.42 - -25.58	66.4	61.76	9/6/2017	59.42	-4.16 (0.72)
PBF-XIII-10R	PBF	Gage	PBF	6464170.500	1767494.700	55.00 - 85.00	4.92 - -25.08	66.77	62.50	9/5/2017	59.92	-2.69 (2.20)
PBF-XIII-11R	PBF	Gage	PBF	6464417.700	1767954.400	55.00 - 85.00	9.12 - -20.88	72.28	66.51	9/6/2017	64.12	-3.21 (3.51)
PBF-XIII-12R	PBF	Gage	PBF	6464532.400	1768180.300	55.00 - 85.00	2.12 - -27.88	65.6	59.57	9/6/2017	57.12	-3.45 (3.53)
PBF-XIII-13R	PBF	Gage	PBF	6464509.800	1767356.500	70.00 - 90.00	-10.48 - -30.48	66.52	61.86	9/6/2017	59.52	-4.11 (0.81)
PBF-XIII-14R	PBF	Gage	PBF	6464387.500	1767131.700	55.00 - 85.00	2.02 - -27.98	64.91	59.69	9/5/2017	57.02	-3.52 (2.35)
PBF-XIII-15R	PBF	Gage	PBF	6464607.400	1767130.900	55.00 - 85.00	3.02 - -26.98	67.83	60.94	9/6/2017	58.02	-4.38 (3.43)
PBF-XIII-16R	PBF	Gage	PBF	6464230.600	1767953.900	55.00 - 85.00	8.62 - -21.38	71.39	66.58	9/6/2017	63.62	-2.65 (2.97)
PBF-XIII-17R	PBF	Gage	PBF	6464028.900	1768173.800	57.00 - 87.00	0.22 - -29.78	64.44	59.82	9/5/2017	57.22	-2.3 (3.19)
PBF-XIII-18R	PBF	Gage	PBF	6463861.500	1767122.400	60.00 - 90.00	7.42 - -22.58	74.2	70.41	9/6/2017	67.42	-2.29 (2.09)
PBF-XIII-19R	PBF	Gage	PBF	6463733.900	1767979.000	55.00 - 85.00	0.31 - -29.69	67.44	60.26	9/6/2017	55.31	-6.56 (4.02)
PBF-XIII-20R	PBF	Gage	PBF	6464732.500	1768216.800	51.50 - 81.50	2.02 - -27.98	65.57	58.50	9/6/2017	53.52	-6.25 (4.30)
PBF-XIII-21R	PBF	Gage	PBF	6464355.000	1768339.300	55.00 - 85.00	-0.18 - -30.18	65.64	59.78	9/6/2017	54.82	-5.89 (3.17)
PBF-XIII-22R	PBF	Gage	PBF	6463727.600	1767135.600	62.00 - 82.00	2.92 - -17.08	73.29	69.78	9/6/2017	64.92	-4.5 (1.89)
PBF-XIII-23R	PBF	Gage	PBF	6463515.400	1767129.700	65.00 - 85.00	1.92 - -18.08	74.89	71.82	9/6/2017	66.92	-4.47 (1.35)
PBF-XIII-24R	PBF	Gage	PBF	6464708.100	1767863.000	62.00 - 92.00	-4.28 - -34.28	68.89	62.59	9/6/2017	57.72	-6.45 (3.00)
PBF-XIII-26R	PBF	Gage	PBF	6462811.600	1769452.500	58.00 - 83.00	-2.49 - -27.49	63.72	60.22	9/6/2017	55.51	-2.06 (5.12)
PBF-XIII-27R	PBF	Gage	PBF	6462446.800	1769478.000	56.00 - 81.00	-1.79 - -26.79	62.8	59.58	9/6/2017	54.21	-1.71 (5.23)
PBF-XIII-29R	PBF	Gage	PBF	6462547.700	1769771.100	58.00 - 78.00	-0.89 - -20.89	66.58	62.13	9/6/2017	57.11	-2.17 (6.24)
PBF-XIII-30R	PBF	Gage	PBF	6465074.570	1767540.510	71.50 - 91.50	-12.38 - -32.38	70.11	61.91	9/5/2017	59.12	-6.74 (2.03)
PBF-XIII-31R	PBF	Gage	PBF	6465076.030	1767256.950	71.50 - 91.50	-11.78 - -31.78	69.18	62.37	9/5/2017	59.72	-6.53 (0.46)
PBF-XIII-32R	PBF	Gage	PBF	6463781.060	1766978.040	66.00 - 91.00	1.62 - -23.38	73.29	67.41	9/5/2017	67.62	-4.64 (1.75)
PBF-XIII-33R	PBF	Gage	PBF	6463204.570	1769458.810	61.50 - 81.50	-3.19 - -23.19	60.52	60.67	9/5/2017	58.31	0.15
PBF-XIII-35R	PBF	Gage	PBF	6462752.400	1769351.700	54.00 - 84.00	4.61 - -25.39	67.84	60.78	9/5/2017	58.61	-0.42 (8.93)
PBF-XIII-36R	PBF	Gage	PBF	6462696.100	1769396.600	57.00 - 87.00	1.81 - -28.19	67.31	61.84	9/6/2017	58.81	-0.12 (7.21)
PBF-XIII-37R	PBF	Gage	PBF	6462796.600	1769275.600	51.00 - 81.00	6.21 - -23.79	67.02	59.50	9/6/2017	57.21	-0.52 (9.41)
PBF-XIII-38R	PBF	Gage	PBF	6462430.900	1769121.700	53.00 - 83.00	2.61 - -27.39	63.02	58.42	9/6/2017	55.61	0.49 (6.87)
PBF-XIII-39R	PBF	Gage	PBF	6463705.700	1768165.700	54.50 - 84.50	8.91 - -21.09	73.17	65.89	9/6/2017	63.41	-4.18 (4.22)
PBF-XIII-40R	PBF	Gage	PBF	6464184.600	1768333.300	48.00 - 78.00	8.02 - -21.98	64.32	58.02	9/6/2017	56.02	-4.7 (2.23)
PBF-XIII-41R	PBF	Gage	PBF	6464402.800	1768428.200	53.00 - 63.00	-2.38 - -12.38	60.25	52.89	9/6/2017	50.62	-5.39 (2.72)
PBF-XIII-42R	PBF	Gage	PBF	6465047.200	1767690.500	63.00 - 93.00	-4.08 - -34.08	69.92	61.41	9/6/2017	58.92	-7.41 (1.54)
PZL0001[*]	Del Amo	Water Table	Del Amo	6474812.484	1766647.243	50.00 - 60.00	-22.51 - -32.51	33.93	26.87	9/7/2017	27.49	-7.06
PZL0006[*]	Del Amo	Water Table	Del Amo	6472738.170	1768396.194	49.00 - 69.00	-11.62 - -31.62	42.48	37.00	9/6/2017	37.38	-5.48
PZL0007[*]	Del Amo	Water Table	Del Amo	6474785.735	1767933.409	47.00 - 62.00	-24.87 - -39.87	27.92	21.70	9/7/2017	22.13	-6.22
PZL0009[*]	Del Amo	Water Table	Del Amo	6472296.521	1768810.676	54.00 - 69.00	-11.87 - -26.87	48.56	43.27	9/5/2017	42.13	-5.29
PZL0010[*]	Del Amo	Water Table	Del Amo	6473318.736	1768861.306	49.50 - 69.50	-11.72 - -31.72	42.82	37.30	9/6/2017	37.78	-5.52
PZL0011[*]	Del Amo	Water Table	Del Amo	6474432.840	1767667.557	35.00 - 55.00	-8.34 - -28.34	31.61	26.18	9/5/2017	26.66	-5.43

Table 3
Groundwater Level Measurements and Elevations
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR
Date Created: 11/28/2017

Well	Owner	HSU	Responsible Party	Easting	Northing	Screened Interval (Feet bgs)	Screened Interval Elevation (Feet MSL)	Depth to Water (Feet below Reference Elevation)	Reference Elevation (Feet MSL)	Date	Ground Surface Elevation (Feet MSL)	Water Level Elevation [2] (Feet MSL)
PZL0012	Del Amo	Water Table	Del Amo	6474123.602	1767297.555	37.20 - 57.20	-4.50 - -24.50	37.94	32.04	9/5/2017	32.70	-5.90
PZL0013*	Del Amo	Water Table	Del Amo	6474133.174	1766865.497	41.00 - 61.00	-6.26 - -26.26	40.18	34.40	9/5/2017	34.74	-5.78
PZL0014*	Del Amo	Water Table	Del Amo	6472077.954	1769549.442	51.00 - 66.00	-12.85 - -27.85	42.71	37.83	9/5/2017	38.15	-4.88
PZL0016*	Del Amo	Water Table	Del Amo	6471505.807	1768908.292	47.00 - 67.00	-6.77 - -26.77	45.42	39.71	9/5/2017	40.23	-5.71
PZL0018*	Del Amo	Water Table	Del Amo	6472903.341	1766933.560	48.00 - 68.00	-10.77 - -30.77	42.04	36.76	9/5/2017	37.23	-5.28
PZL0019	Del Amo	Water Table	Del Amo	6472188.908	1766812.910	46.70 - 66.70	-5.70 - -25.70	49.37	40.73	9/6/2017	41.00	-8.64 (6.85)
PZL0020*	Del Amo	Water Table	Del Amo	6472348.481	1766681.376	47.00 - 67.00	-7.38 - -27.38	45.22	39.33	9/5/2017	39.62	-5.89
PZL0022	Del Amo	Water Table	Del Amo	6473048.331	1766626.062	42.00 - 61.70	-4.87 - -24.57	42.76	36.93	9/5/2017	37.13	-5.83
PZL0024	Del Amo	Water Table	Del Amo	6472818.422	1766626.821	44.40 - 64.40	-7.84 - -27.84	44.82	36.41	9/6/2017	36.56	-8.41
PZL0025	Del Amo	Water Table	Del Amo	6472096.121	1766636.806	43.50 - 63.50	-4.84 - -24.84	47.36	38.26	9/5/2017	38.66	-9.10
PZL0026	Del Amo	Water Table	Del Amo	6474446.562	1766978.470	33.00 - 53.00	-1.47 - -21.47	36.74	31.13	9/11/2017	31.53	-5.61
SWL0001*	Del Amo	Water Table/MBFB	Del Amo	6471665.176	1768412.936	52.50 - 77.50	-8.77 - -33.77	49.1	43.08	9/6/2017	43.73	-6.02 (0.15)
SWL0002*	Del Amo	Water Table/MBFB	Del Amo	6471585.143	1768404.000	52.00 - 77.00	-9.27 - -34.27	48.22	42.37	9/6/2017	42.73	-5.85
SWL0003*	Del Amo	Water Table/MBFB	Del Amo	6471608.564	1768530.930	50.00 - 77.00	-6.03 - -33.03	49.41	43.62	9/5/2017	43.97	-5.79
SWL0004*	Del Amo	Water Table	Del Amo	6471694.346	1768373.137	53.00 - 80.00	-8.20 - -35.20	50.3	44.32	9/6/2017	44.80	-5.98
SWL0005*	Del Amo	Water Table	Del Amo	6473389.016	1766525.932	38.60 - 61.50	-6.32 - -29.22	37.72	31.69	9/5/2017	32.28	-6.03
SWL0006*	Del Amo	Water Table	Del Amo	6472438.642	1766124.044	43.50 - 59.50	-14.03 - -30.03	35.24	28.81	9/5/2017	29.47	-6.43
SWL0007*	Del Amo	Water Table	Del Amo	6471523.036	1769884.294	50.40 - 71.20	-6.22 - -27.02	49.01	43.87	9/5/2017	44.18	-5.14
SWL0008*	Del Amo	Water Table	Del Amo	6472338.100	1766566.403	41.40 - 62.00	-6.09 - -26.69	40.72	34.82	9/5/2017	35.31	-5.90
SWL0009*	Del Amo	Water Table	Del Amo	6475377.131	1767137.410	37.30 - 58.30	-11.71 - -32.71	29.68	25.00	9/6/2017	25.59	-4.68
SWL0010	Del Amo	Merged MBFB/MBFC	Del Amo	6475377.158	1767145.410	100.00 - 116.50	-74.46 - -90.96	32.61	25.19	9/6/2017	25.54	-7.42
SWL0011	Del Amo	Merged MBFB/MBFC	Montrose	6473573.454	1766958.350	92.00 - 108.60	-56.80 - -73.40	41.39	36.02	9/5/2017	35.20	-5.37
SWL0013	Del Amo	Merged MBFB/MBFC	Del Amo	6473586.458	1766959.307	131.80 - 147.60	-96.44 - -112.24	41.83	34.75	9/5/2017	35.36	-7.08
SWL0014	Del Amo	Merged MBFB/MBFC	Del Amo	6473922.130	1765948.137	113.80 - 130.80	-90.43 - -107.43	33.62	25.75	9/5/2017	23.37	-7.87
SWL0015*	Del Amo	Water Table	Del Amo	6474546.209	1765963.079	33.00 - 54.00	-8.93 - -29.93	33.39	26.45	9/5/2017	24.07	-6.94
SWL0016	Del Amo	Water Table	Del Amo	6473034.746	1767810.079	40.80 - 62.00	-4.54 - -25.74	40.96	35.67	9/5/2017	36.26	-5.29
SWL0017*	Del Amo	Water Table	Del Amo	6473077.628	1768832.100	47.00 - 68.50	-7.33 - -28.83	44.65	39.00	9/5/2017	39.67	-5.65
SWL0018	Del Amo	Merged MBFB/MBFC	Del Amo	6472889.453	1766967.608	122.00 - 139.00	-84.45 - -101.45	43.49	36.77	9/5/2017	37.55	-6.72
SWL0019	Del Amo	Merged MBFB/MBFC	Del Amo	6474533.196	1765959.122	73.10 - 89.60	-49.03 - -65.53	34.55	26.43	9/5/2017	24.07	-8.12
SWL0020	Del Amo	Gage	Montrose	6474518.175	1765953.171	180.60 - 196.40	-156.43 - -172.23	36.27	26.20	9/5/2017	24.17	-10.07
SWL0021*	Del Amo	Water Table	Del Amo	6474228.310	1766179.541	46.50 - 62.10	-14.83 - -30.43	37.89	30.99	9/5/2017	31.67	-6.90
SWL0022	Del Amo	Gage	Del Amo	6473599.459	1766959.264	179.50 - 195.30	-144.00 - -159.80	44.01	34.88	9/5/2017	35.50	-9.13
SWL0023	Del Amo	Merged MBFB/MBFC	Del Amo	6474497.046	1766519.275	88.50 - 103.80	-57.81 - -73.11	37.99	30.21	9/7/2017	30.69	-7.78
SWL0024*	Del Amo	Water Table	Del Amo	6474511.040	1766517.229	45.00 - 61.50	-14.54 - -31.04	36.65	30.17	9/7/2017	30.46	-6.48
SWL0025	Del Amo	Gage	Del Amo	6475377.191	1767155.411	195.00 - 210.80	-169.42 - -185.22	34.46	25.05	9/6/2017	25.58	-9.41
SWL0026	Del Amo	Gage	Montrose	6473734.568	1765085.203	159.80 - 175.50	-134.23 - -149.93	34.15	24.94	9/5/2017	25.57	-9.21
SWL0027	Del Amo	Merged MBFB/MBFC	Montrose	6473729.836	1765075.718	119.30 - 135.00	-93.93 - -109.63	32.55	24.54	9/5/2017	25.37	-8.01
SWL0028*	Del Amo	Water Table	Del Amo	6473742.840	1765076.675	34.00 - 54.80	-8.63 - -29.43	29.54	24.69	9/5/2017	25.37	-4.85
SWL0032	Del Amo	MBFB	Del Amo	6471747.086	1768384.464	79.00 - 89.00	-34.21 - -44.21	50.26	44.28	9/6/2017	44.79	-5.98 (0.06)
SWL0033	Del Amo	Merged MBFB/MBFC	Del Amo	6472042.130	1766277.362	124.30 - 140.00	-85.43 - -101.13	44.98	38.34	9/5/2017	38.87	-6.64
SWL0034	Del Amo	Gage	Montrose	6472041.176	1766291.366	160.00 - 175.80	-121.34 - -137.14	45.98	37.95	9/5/2017	38.66	-8.03
SWL0035	Del Amo	Merged MBFB/MBFC	Del Amo	6473054.517	1767801.214	121.00 - 136.00	-85.54 - -100.54	41.16	34.76	9/5/2017	35.46	-6.40
SWL0036	Del Amo	Gage	Del Amo	6473037.578	1767789.369	178.00 - 194.00	-142.34 - -158.34	43.86	35.09	9/5/2017	35.66	-8.77
SWL0037	Del Amo	Merged MBFB/MBFC	Del Amo	6473046.363	1767815.141	82.00 - 98.50	-46.04 - -62.54	41.81	35.45	9/5/2017	35.96	-6.36
SWL0038*	Del Amo	Water Table	Del Amo	6471799.980	1769863.378	49.50 - 70.50	-7.98 - -28.98	46.18	41.26	9/5/2017	41.52	-4.92
SWL0040	Del Amo	Merged MBFB/MBFC	Del Amo	6473036.434	1766627.102	118.50 - 135.00	-83.44 - -99.94	43.59	36.46	9/5/2017	35.06	-7.13
SWL0041	Del Amo	Merged MBFB/MBFC	Del Amo	6473061.328	1766625.020	77.00 - 92.75	-42.14 - -57.89	43.68	36.53	9/5/2017	34.86	-7.15
SWL0042*	Del Amo	Water Table	Del Amo	6474699.905	1765566.548	34.30 - 55.00	-6.58 - -27.28	34.16	26.99	9/5/2017	27.72	-7.17
SWL0044*	Del Amo	Water Table	Del Amo	6472744.110	1766866.081	45.50 - 65.00	-6.76 - -26.26	45.89	40.29	9/5/2017	38.74	-5.60
SWL0046*	Del Amo	Water Table	Del Amo	6474119.907	1767994.610	37.80 - 57.80	-5.84 - -25.84	36.28	31.44	9/5/2017	31.96	-4.84
SWL0047	Del Amo	Merged MBFB/MBFC	Del Amo	6472355.294	1768136.442	82.00 - 92.00	-42.91 - -52.91	45.21	38.78	9/5/2017	39.09	-6.43
SWL0048	Del Amo	Merged MBFB/MBFC	Del Amo	6472582.972	1767340.542	83.00 - 93.00	-43.64 - -53.64	45.19	38.75	9/5/2017	39.36	-6.44
SWL0049*	Del Amo	Water Table/MBFB	Montrose	6470999.201	1766313.807	42.00 - 62.30	-6.26 - -26.56	41.51	34.95	9/5/2017	35.74	-6.56
SWL0050	Del Amo	Merged MBFB/MBFC	Del Amo	6472483.333	1766634.928	72.50 - 82.00	-34.34 - -43.84	46.83	40.04	9/5/2017	38.16	-6.79
SWL0051	Del Amo	Water Table	Del Amo	6472472.294	1766320.945	35.00 - 55.00	-5.98 - -25.98	36.57	28.67	9/5/2017	29.02	-7.90
SWL0052	Del Amo	Merged MBFB/MBFC	Del Amo	6473455.095	1766246.697	78.30 - 93.70	-52.33 - -67.73	33.11	25.33	9/7/2017	25.97	-7.78
SWL0053	Del Amo	Merged MBFB/MBFC	Del Amo	6473455.056	1766234.696	118.30 - 127.80	-92.55 - -102.05	32.62	25.03	9/7/2017	25.75	-7.59
SWL0054	Del Amo	MBFC	Del Amo	6471852.254	1767829.083	120.20 - 129.70	-77.13 - -86.63	48.76	42.48	9/6/2017	43.07	-6.28
SWL0055	Del Amo	Merged MBFB/MBFC	Del Amo	6472496.337	1766635.885	120.30 - 129.80	-82.44 - -91.94	46.5	39.77	9/5/2017	37.86	-6.73
SWL0056	Del Amo	Merged MBFB/MBFC	Del Amo	6473090.411	1765591.460	75.00 - 85.00	-43.17 - -53.17	39.01	31.19	9/5/2017	31.83	-7.82
SWL0057*	Del Amo	Water Table	Del Amo	6473090.956	1765604.859	38.50 - 58.50	-7.03 - -27.03	36.26	30.81	9/5/2017	31.47	-5.45
SWL0058	Del Amo	MBFC	Del Amo	6472006.440	1767036.826	118.10 - 127.70	-74.64 - -84.24	49.69	43.13	9/6/2017	43.46	-6.56
SWL0059	Del Amo	Water Table	Del Amo	6471569.957	1769194.397	46.50 - 66.50	-1.31 - -21.31	50.25	44.79	9/6/2017	45.19	-5.46
SWL0060	Del Amo	Merged MBFB/MBFC	Del Amo	6474740.988	1767194.012	95.00 - 110.00	-67.58 - -82.58	34.55	27.42	9/11/2017	27.42	-7.13
SWL0061	Del Amo	MBFC	Del Amo	6471539.332	1768416.442	125.00 - 135.00	-81.91 - -91.91	49.41	43.09	9/6/2017	43.09	-6.32
SWL0063	Del Amo	Gage	Del Amo	6472309.211	1767683.283	172.70 - 187.70	-131.18 - -146.18	49.36	41.13	9/6/2017	41.52	-8.23
SWL0064	Del Amo	MBFC	Del Amo	6471514.936	1767756.984	114.20 - 129.20	-71.78 - -86.78	48.46	42.12	9/6/2017	42.42	-6.34
SWL0065	Del Amo	Merged MBFB/MBFC	Del Amo	6472234.264	1767778.943	115.00 - 130.00	-75.43 - -90.43	45.51	39.10	9/6/2017	39.57	-6.41
SWL0066	Del Amo	Gage	Del Amo	6471832.983	1767826.127	172.00 - 187.00	-128.83 - -143.83	50.58	42.74	9/6/2017	43.17	-7.84
SWL0068	Del Amo	Water Table	Del Amo	6474527.505	1767504.335	23.00 - 48.00	5.15 - -19.85	29.91	27.86	9/11/2017	28.15	-2.05
TMW_04*	Boeing	Water Table/MBFB	Boeing	6470253.660	1769116.130	58.00 - 78.00	-	57.63	51.38	9/5/2017	-	-6.25
TMW_06*	Boeing	Water Table/MBFB	Boeing	6470298.910	1768718.340	67.00 - 87.00	-	58.01	51.71	9/5/2017	-	-6.30
TMW_07*	Boeing	Water Table/MBFB	Boeing	6470317.810	1769482.930	65.00 - 85.00	-	59.79	53.95	9/5/2017	-	-5.84
TMW_08*	Boeing	Water Table/MBFB	Boeing	6470329.300	1769594.190	61.00 - 81.00	-	59.74	53.97	9/5/2017	-	-5.77
TMW_10*	Boeing	Water Table/MBFB	Boeing	6470723.290	1768951.100	60.50 - 80.50	-	55.9	49.92	9/5/2017	-	-5.98
TMW_11*	Boeing	Water Table/MBFB	Boeing	6470720.920	1768203.600	58.00 - 78.00	-	55.95	49.85	9/5/2017	-	-6.10
TMW_14	Boeing	Water Table/MBFB	Boeing	6469549.920	1768199.090	65.00 - 85.00	-	65.04	58.90	9/5/2017	-	-6.14
TMW_15	Boeing	Water Table/MBFB	Boeing	6469555.090	1768949.580	62.00 - 87.00	-	63.57	57.64	9/5/2017	-	-5.93
UBA-EW-1*	Montrose	Water Table/MBFB	Montrose	6470466.320	1767031.530	53.00 - 93.00	-	46.32	40.52	9/5/2017	-	-5.80
UBA-EW-3*	Montrose	Water Table	Montrose	6470864.340	1766342.280	50.00 - 80.00	-	39.57	36.38	9/5/2017	-	-3.19
UBE-01*	Montrose	Water Table/MBFB	Montrose	6470255.000	1767467.000	60.70 - 90.70	-	58.01	51.80	9/6/2017	-	-6.21
UBE-02*	Montrose	Water Table/MBFB	Montrose	6470398.000	1767535.000	72.00 - 82.00	-	54.35	48.23	9/6/2017	-	-6.12
UBE-03*	Montrose	Water Table/MBFB	Montrose	6470373.000	1767304.000	68.00 - 88.00	-	53.64	47.31	9/6/2017	-	-6.33

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Well	Owner	HSU	Responsible Party	Easting	Northing	Screened Interval (Feet bgs)	Screened Interval Elevation (Feet MSL)	Depth to Water (Feet below Reference Elevation)	Reference Elevation (Feet MSL)	Date	Ground Surface Elevation (Feet MSL)	Water Level Elevation [2] (Feet MSL)
UBE-04 *	Montrose	Water Table/MBFB	Montrose	6470371.000	1767629.000	62.00 - 92.00	-	55.14	49.01	9/6/2017	-	-6.13
UBE-05 *	Montrose	Water Table/MBFB	Montrose	6470514.000	1767347.000	75.00 - 85.00	-	55.38	49.87	9/6/2017	-	-5.51
UBI-01	Montrose	Water Table/MBFB	Montrose	6470093.000	1767598.000	45.00 - 90.00	-	54.96	48.92	9/6/2017	-	-6.04
UBI-02	Montrose	Water Table/MBFB	Montrose	6470165.000	1767666.000	45.00 - 90.00	-	56.23	49.14	9/6/2017	-	-7.09
UBT-01 *	Montrose	Water Table/MBFB	Montrose	6470232.000	1767444.000	60.00 - 91.00	-7.91 - -38.91	57.83	51.50	9/6/2017	52.09	-6.33
UBT-02	Montrose	Water Table/MBFB	Montrose	6470246.000	1767437.000	50.00 - 91.00	2.03 - -38.97	57.94	51.64	9/6/2017	52.03	-6.30
UBT-03 *	Montrose	Water Table/MBFB	Montrose	6470262.000	1767473.000	60.00 - 91.00	-8.03 - -39.03	57.99	51.76	9/6/2017	51.97	-6.23
WCC_03S *	Boeing	Water Table/MBFB	Boeing	6470367.050	1770020.500	69.00 - 89.00	-	58.04	52.79	9/5/2017	-	-5.25
WCC_04S *	Boeing	Water Table/MBFB	Boeing	6470499.450	1769856.590	70.50 - 90.50	-	57.71	52.23	9/5/2017	-	-5.48
WCC_05S *	Boeing	Water Table/MBFB	Boeing	6470721.540	1769778.930	61.00 - 91.00	-	58.19	52.82	9/5/2017	-	-5.37
WCC_07S *	Boeing	Water Table/MBFB	Boeing	6470505.210	1769695.180	60.00 - 90.00	-	59.12	50.51	9/5/2017	-	-8.61
WCC_09S	Boeing	Water Table/MBFB	Boeing	6470683.350	1769409.420	60.00 - 90.00	-	60.64	54.96	9/5/2017	-	-5.68
WCC_12S *	Boeing	Water Table/MBFB	Boeing	6470506.380	1769495.880	60.00 - 90.00	-	57.06	51.32	9/5/2017	-	-5.74
XP-02 *	Del Amo	Water Table	Del Amo	6472662.095	1766983.659	55.50 - 75.50	-17.04 - -37.04	44.23	37.82	9/5/2017	38.46	-6.41
XP-03	Del Amo	Merged MBFB/MBFC	Del Amo	6473382.015	1766525.955	85.00 - 95.00	-52.72 - -62.72	38.87	31.78	9/5/2017	32.28	-7.09

Notes:

MSL - Mean Sea Level

bgs - Below Ground Surface

NM - Not Measured

() – NAPL thickness in feet

* - Water Table Well with Submerged Screen.

Note: Some Del Amo water table wells have screen intervals that are currently submerged. Screen intervals for these wells were targeted to address areas of highest contaminant concentration. Data from these wells are representative and appropriate for use in MACR analyses.

** - Well MW-21, which has a submerged screen, is proposed for replacement, pending USEPA approval.

[1] - Well MW-12 was not measured during initial groundwater gauging event; a depth to water from the 9/12/2017 purge log was used to determine groundwater elevation.

[2] - Water level elevation for PBF wells has been corrected for the presence of NAPL. Further information regarding corrected values can be found in the Torrance Refinery Progress Reports.

Table 4
Summary of Key VOC Analytical Results
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

						Key VOC Analytical Results (µg/l)					
Location ID	**HSU**	**Responsible Party**	**Sample ID**	**Date**	**Sample Type**	**Benzene**	**Chlorobenzene**	**Chloroform**	**tert-Butyl Alcohol**	**Tetrachloroethene**	**Trichloroethene**
				ISGS Groundwater Standard:		1	70	100	NA	5	5
AW0051UB	Water Table/MBFB	Boeing	AW0051UB_WG20170907_01	9/7/2017 8:34	N	**18**	20 U	**5.7 J**	500 U	20 U	**700**
AW0055UB	Water Table/MBFB	Boeing	AW0055UB_WG20170906_01	9/6/2017 11:17	N	**11**	1 U	**0.43 J**	25 U	1 U	**96**
AW0074UB	Water Table/MBFB	Boeing	AW0074UB_WG20170906_01	9/6/2017 13:24	N	**26**	2 U	**1.8 J**	50 U	**0.56 J**	**380**
BF-01	MBFC	ILM	BF-01-N-17Q3	9/11/2017 11:19	N	1.0 U	**4.2**	2.0 U	NA	2.0 U	**1.0 J**
BF-02	MBFC	Montrose	BF-02_20170913	9/13/2017 14:45	N	**36 J**	**46000**	50 U	1000 U	50 U	50 U
BF-03	MBFC	Montrose	BF-03_20170913	9/13/2017 7:10	N	**18**	**6500**	10 U	200 U	10 U	**470**
BF-04	MBFC	Montrose	BF-04_20170913	9/13/2017 13:00	N	**16**	**13000**	13 U	250 U	**6.8 J**	**52**
BF-05	MBFC	Montrose	BF-05_20170912	9/12/2017 15:35	N	0.50 U	**2.4**	0.50 U	10 U	0.50 U	0.50 U
BF-06	MBFC	Del Amo	GWS02800	9/14/2017 0:00	N	**12**	**3300**	1.0 U	NA	**0.91 J**	**0.90 J**
BF-06	MBFC	Del Amo	GWS02803	9/14/2017 0:00	FD	**13**	**3300**	1.0 U	NA	**0.85 J**	**0.78 J**
BF-09	MBFC	Montrose	BF-09_20170914	9/14/2017 12:30	N	**130**	**110000 J**	**6000**	2000 U	100 U	**140**
BF-09	MBFC	Montrose	BF-09_20170914_FD	9/14/2017 12:30	FD	**120**	**99000**	**5800**	2000 U	100 U	**120**
BF-10	Merged MBFB/MBFC	Montrose	BF-10_20170913	9/13/2017 14:20	N	0.50 U	**0.73**	0.50 U	10 U	0.50 U	0.50 U
BF-11	Merged MBFB/MBFC	Montrose	BF-11_20170911	9/11/2017 15:10	N	0.50 U	**1.2**	0.50 U	10 U	0.50 U	0.50 U
BF-12	Merged MBFB/MBFC	Montrose	BF-12_20170911	9/11/2017 12:00	N	**1.5 J**	**960**	2.0 U	40 U	2.0 U	2.0 U
BF-13	Merged MBFB/MBFC	Del Amo	GWS02801	9/12/2017 0:00	N	**0.35 J**	1.0 U	1.0 U	10 U	1.0 U	1.0 U
BF-14	Merged MBFB/MBFC	Montrose	BF-14_20170913	9/13/2017 11:15	N	0.50 UJ	**140 J**	**0.65 J**	10 UJ	**0.93 J**	0.50 UJ
BF-15	Merged MBFB/MBFC	Montrose	BF-15_20170913	9/13/2017 7:15	N	**7.2 J**	**4200 J**	5.0 UJ	100 UJ	**7.2 J**	**22 J**
BF-15	Merged MBFB/MBFC	Montrose	BF-15_20170913_FD	9/13/2017 9:19	FD	**7.1**	**4200**	5.0 U	100 U	**7.4**	**23**
BF-16	MBFC	Montrose	BF-16_20170911	9/11/2017 15:35	N	**13**	**3800**	5.0 U	100 U	5.0 U	5.0 U
BF-17	Merged MBFB/MBFC	Montrose	BF-17_20170911	9/11/2017 12:50	N	**8.4**	**5300**	5.0 U	100 U	5.0 U	5.0 U
BF-19	MBFC	Montrose	BF-19_20170912	9/12/2017 10:45	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
BF-20	MBFC	ILM	BF-20-FD-17Q3	9/11/2017 10:16	FD	5.0 U	**1600**	10 U	NA	10 U	**110**
BF-20	MBFC	ILM	BF-20-N-17Q3	9/11/2017 10:16	N	5.0 U	**1600**	10 U	NA	10 U	**110**
BF-21	MBFC	Montrose	BF-21_20170911	9/11/2017 11:42	N	**21**	**260**	**0.47 J**	10 U	0.50 U	0.50 U
BF-22	Merged MBFB/MBFC	Montrose	BF-22_20170911	9/11/2017 13:22	N	0.50 U	**0.62**	0.50 U	10 U	0.50 U	0.50 U
BF-23	Merged MBFB/MBFC	Montrose	BF-23_20170913	9/13/2017 7:05	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
BF-24	Merged MBFB/MBFC	Montrose	BF-24_20170911	9/11/2017 9:45	N	**23**	**2500**	2.5 U	**27 J**	2.5 U	2.5 U
BF-25	Merged MBFB/MBFC	Montrose	BF-25_20170912	9/12/2017 12:02	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
BF-26	Merged MBFB/MBFC	Montrose	BF-26_20170912	9/12/2017 11:00	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
BF-27	Merged MBFB/MBFC	Montrose	BF-27_20170912	9/12/2017 8:52	N	0.50 UJ	0.50 UJ	0.50 UJ	10 UJ	0.50 UJ	0.50 UJ
BF-28	Merged MBFB/MBFC	Montrose	BF-28_20170912	9/12/2017 11:00	N	0.50 UJ	0.50 UJ	0.50 UJ	10 UJ	0.50 UJ	0.50 UJ
BF-29	MBFC	Montrose	BF-29_20170911	9/11/2017 9:50	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
BF-30	Merged MBFB/MBFC	Montrose	BF-30_20170911	9/11/2017 12:18	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
BF-31	MBFC	Montrose	BF-31_20170911	9/11/2017 9:12	N	0.50 U	**1.1**	0.50 U	10 U	0.50 U	0.50 U
BF-32A	Water Table/MBFB/MBFC	Montrose	BF-32A_20170913	9/13/2017 7:00	N	0.50 U	0.50 U	**0.73**	10 U	0.50 U	0.50 U
BF-33	MBFC	Montrose	BF-33_20170912	9/12/2017 12:02	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
BF-34	MBFC	ILM	BF-34-N-17Q3	9/8/2017 8:12	N	0.50 U	1.0 U	**4.6**	NA	1.0 U	**570**
BF-35	MBFC	Montrose	BF-35_20170914	9/14/2017 13:12	N	5.0 U	**2600**	5.0 U	100 U	5.0 U	**1300**
BF-35	MBFC	Montrose	BF-35_20170914_FD	9/14/2017 13:17	FD	5.0 U	**2700**	5.0 U	100 U	5.0 U	**1400**
BF-36	Merged MBFB/MBFC	Montrose	BF-36_20170912	9/12/2017 8:52	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
BF-EW-1	MBFC	Montrose	BF-EW-1-20170517	5/17/2017 17:08	N	**120**	**32000**	**40 J**	1000 U	50 U	**87**
BF-EW-2	Merged MBFB/MBFC	Montrose	BF-EW-2-20170516	5/16/2017 10:20	N	**46**	**11000**	13 U	250 U	13 U	13 U
BF-EW-3	Merged MBFB/MBFC	Montrose	BF-EW-3-20170518	5/18/2017 11:28	N	**12**	**4600 ***	5.0 U	100 U	**6.7**	5.0 U
BF-EW-4	Merged MBFB/MBFC	Montrose	BF-EW-4-20170518	5/18/2017 15:39	N	**4**	**930**	**1.8**	20 U	1.0 U	1.0 U
BF-EW-5	MBFC	Montrose	BF-EW-5-20170517	5/17/2017 10:26	N	**59 J**	**55000**	100 U	2000 U	100 U	**160**
BF-OW-1	MBFC	ILM	BF-OW-01-N-17Q3	9/11/2017 9:06	N	**0.15 J**	**53**	1.0 U	NA	1.0 U	**2.1**
BF-OW-4	MBFC	Montrose	BF-OW-04_20171109	11/9/2017 8:50	N	**3.7**	**2600**	2.5 U	50 U	2.5 U	2.5 U
BL-10A	Water Table/MBFB	ILM	BL-10A-N-17Q3	8/31/2017 11:16	N	0.50 U	1.0 U	**1.6**	NA	1.0 U	**28**
BL-10B	MBFC	ILM	BL-10B-N-17Q3	8/31/2017 11:55	N	2.5 U	5.0 U	5.0 U	NA	5.0 U	**550**
BL-10C	Gage	ILM	BL-10C-N-17Q3	9/1/2017 11:45	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**45**
BL-11A	Water Table/MBFB	ILM	BL-11A-N-17Q3	9/8/2017 10:00	N	0.50 U	**0.69 J**	**0.64 J**	NA	1.0 U	**93**
BL-11B	MBFC	ILM	BL-11B-N-17Q3	9/8/2017 9:15	N	**0.16 J**	**1.7**	**2.4**	NA	**0.66 J**	**560**
BL-11C	Gage	ILM	BL-11C-N-17Q3	9/8/2017 8:33	N	**0.24 J**	**320**	1.0 U	NA	1.0 U	**1.8**
BL-12A	Water Table/MBFB	ILM	BL-12A-N-17Q3	8/31/2017 8:34	N	2.5 U	5.0 U	**2.8 J**	NA	5.0 U	**640**
BL-12B	MBFC	ILM	BL-12B-N-17Q3	8/31/2017 9:45	N	5.0 U	10 U	10 U	NA	**7.2 J**	**1500**
BL-12C	Gage	ILM	BL-12C-N-17Q3	8/31/2017 10:26	N	0.50 U	**29**	1.0 U	NA	1.0 U	**4.6**
BL-13A	Water Table/MBFB	ILM	BL-13A-N-17Q3	9/12/2017 10:28	N	**0.17 J**	**4.5**	**0.85 J**	NA	**0.59 J**	**3.9**
BL-13BD	MBFC	ILM	BL-13BD-N-17Q3	9/12/2017 9:46	N	**0.5**	**740**	**1.7**	NA	1.0 U	**480**
BL-13C	Gage	ILM	BL-13C-N-17Q3	9/12/2017 8:26	N	**0.18 J**	**190**	1.0 U	NA	1.0 U	1.0 U
BL-14A	Water Table/MBFB	ILM	BL-14A-N-17Q3	9/7/2017 12:20	N	0.50 U	1.0 U	**1.3**	NA	**0.82 J**	**92**
BL-14B	MBFC	ILM	BL-14B-N-17Q3	9/7/2017 11:12	N	0.50 U	**26**	1.0 U	NA	1.0 U	**1.9**
BL-14C	Gage	ILM	BL-14C-N-17Q3	9/7/2017 9:58	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**1.4**
BL-3	Water Table/MBFB	ILM	BL-03-N-17Q3	9/6/2017 11:14	N	1.0 U	2.0 U	**2.1**	NA	**7.1**	**510**
BL-9A	Water Table/MBFB	ILM	BL-09A-N-17Q3	9/6/2017 10:19	N	0.50 U	1.0 U	**5**	NA	1.0 U	**74**
BL-9B	MBFC	ILM	BL-09B-N-17Q3	9/6/2017 9:29	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**120**
BL-9C	Gage	ILM	BL-09C-N-17Q3	9/6/2017 8:21	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U

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2017 Baseline MACR

						Key VOC Analytical Results (µg/l)					
Location ID	**HSU**	**Responsible Party**	**Sample ID**	**Date**	**Sample Type**	**Benzene**	**Chlorobenzene**	**Chloroform**	**tert-Butyl Alcohol**	**Tetrachloroethene**	**Trichloroethene**
				ISGS Groundwater Standard:		1	70	100	NA	5	5
CMW001	MBFC	Boeing	CMW001_WG20170906_01	9/6/2017 11:10	N	**47**	**9500**	20 U	500 U	20 U	**14 J**
CMW002	MBFC	Boeing	CMW002_WG20170906_01	9/6/2017 13:11	N	**240**	**130000**	**4600**	2500 U	100 U	**52 J**
CMW026	MBFC	Boeing	CMW026_WG20170908_01	9/8/2017 13:45	N	**0.29 J**	1 U	1 U	25 U	1 U	1 U
CMW026	MBFC	Boeing	CMW026_WG20170908_02	9/8/2017 13:45	FD	0.5 U	1 U	1 U	25 U	1 U	1 U
DAC-P1	Water Table/MBFB	Boeing	DAC-P1_WG20170911_01	9/11/2017 8:19	N	13 U	25 U	**29**	630 U	**7.2 J**	**12000**
EWB002	Water Table/MBFB	Boeing	EWB002_WG20170906_01	9/6/2017 9:34	N	**31**	1 U	1 U	**51**	1 U	1 U
EWB002	Water Table/MBFB	Boeing	EWB002_WG20170906_02	9/6/2017 9:34	FD	**31**	1 U	1 U	**47**	1 U	**0.25 J**
EWB003	Water Table/MBFB	Boeing	EWB003_WG20170905_01	9/5/2017 13:49	N	2.5 U	5 U	**10**	130 U	**2.7 J**	**1500**
EWC001	MBFC	Boeing	EWC001_WG20170906_01	9/6/2017 13:26	N	**13**	1 U	1 U	25 U	1 U	**20**
EWC001	MBFC	Boeing	EWC001_WG20170906_02	9/6/2017 13:26	FD	**12**	1 U	1 U	25 U	1 U	**17**
EWC003	MBFC	Boeing	EWC003_WG20170906_01	9/6/2017 13:40	N	**6.8**	**2.6**	**1.1 J**	50 U	2 U	**310**
EWC004	MBFC	Boeing	EWC004_WG20170908_01	9/8/2017 14:23	N	1.3 U	2.5 U	**7.6**	63 U	2.5 U	**1400**
EWC005	MBFC	Boeing	EWC005_WG20170905_01	9/5/2017 13:36	N	1 U	**7.1**	**5.3**	50 U	**0.67 J**	**1400**
EWC006	MBFC	Boeing	EWC006_WG20170911_01	9/11/2017 13:06	N	**0.61**	1 U	**0.78 J**	25 U	1 U	**230**
EWG001	Gage	Boeing	EWG001_WG20170911_01	9/11/2017 12:40	N	0.5 U	1 U	1 U	25 U	1 U	**6.6**
EWG002	Gage	Boeing	EWG002_WG20170905_01	9/5/2017 10:55	N	0.5 U	**1.6**	1 U	25 U	1 U	**720**
G-01	Gage	Montrose	G-01_20170914	9/14/2017 13:22	N	0.50 U	**17**	0.50 U	10 U	0.50 U	0.50 U
G-01WC	Merged MBFB/MBFC	Del Amo	GWS02773	9/8/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
G-01WC	Merged MBFB/MBFC	Del Amo	GWS02812	9/8/2017 0:00	FD	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
G-02	Gage	Montrose	G-02_20170913	9/13/2017 11:40	N	**13**	**2600**	0.50 U	10 U	**0.26 J**	**0.35 J**
G-02WC	Merged MBFB/MBFC	Del Amo	GWS02774	9/8/2017 0:00	N	0.50 U	**250**	1.0 U	NA	1.0 U	1.0 U
G-03	Gage	Montrose	G-03_20170913	9/13/2017 15:15	N	**0.62**	**960**	0.50 U	10 U	**0.30 J**	0.50 U
G-04	Gage	Montrose	G-04_20170912	9/12/2017 15:10	N	0.50 U	**40**	0.50 U	10 U	0.50 U	**3.4**
G-05	Gage	Montrose	G-05_20170914	9/14/2017 9:52	N	**3.6 J**	**3900**	5.0 U	100 U	5.0 U	5.0 U
G-08	Gage	Montrose	G-08_20170913	9/13/2017 8:00	N	**0.37 J**	**280**	0.50 U	10 U	0.50 U	0.50 U
G-09	Gage	Montrose	G-09_20170913	9/13/2017 14:20	N	**3.5**	**890**	1.3 U	25 U	1.3 U	1.3 U
G-12	Gage	Montrose	G-12_20170914	9/14/2017 9:15	N	**28**	**3800**	5.0 U	100 U	5.0 U	5.0 U
G-12	Gage	Montrose	G-12_20170914_FD	9/14/2017 9:15	FD	**28**	**3700**	5.0 U	100 U	5.0 U	5.0 U
G-13	Gage	Montrose	G-13_20170913	9/13/2017 7:54	N	**2.6 J**	**2300**	5.0 U	100 U	5.0 U	5.0 U
G-14	Gage	Montrose	G-14_20170912	9/12/2017 11:40	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	**0.27 J**
G-15	Gage	Montrose	G-15_20170912	9/12/2017 10:00	N	0.50 U	**0.84**	0.50 U	10 U	0.50 U	0.50 U
G-16	Gage	Montrose	G-16_20170914	9/14/2017 8:36	N	0.50 U	**4.4**	0.50 U	10 U	0.50 U	0.50 U
G-17	Gage	Del Amo	GWS02802	9/12/2017 0:00	N	**1.6**	**86**	1.0 U	NA	1.0 U	**5.8**
G-18	Gage	Montrose	G-18_20170911	9/11/2017 11:15	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
G-19A	Gage	Montrose	G-19A_20170911	9/11/2017 10:25	N	**1.1**	**360**	0.50 U	10 U	0.50 U	0.50 U
G-20	Gage	ILM	G-20-N-17Q3	9/12/2017 8:34	N	0.50 U	**3.2**	1.0 U	NA	1.0 U	1.0 U
G-21	Gage	Montrose	G-21_20170912	9/12/2017 9:05	N	0.50 U	**67**	0.50 U	10 U	0.50 U	**390**
G-23	Gage	Montrose	G-23_20170911	9/11/2017 13:25	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
G-24	Gage	Montrose	G-24_20170911	9/11/2017 11:15	N	**2.9**	**1700**	2.0 U	40 U	2.0 U	2.0 U
G-25	Gage	Montrose	G-25_20170914	9/14/2017 12:20	N	0.50 U	**61**	0.50 U	10 U	0.50 U	0.50 U
G-26	Gage	Montrose	G-26_20170911	9/11/2017 10:28	N	0.50 U	**36**	0.50 U	10 U	0.50 U	0.50 U
G-27	Gage	Montrose	G-27_20170911	9/11/2017 12:52	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
G-28	Gage	Montrose	G-28_20170912	9/12/2017 10:34	N	0.50 U	**0.66**	0.50 U	10 U	0.50 U	0.50 U
G-29	Gage	Montrose	G-29_20170912	9/12/2017 9:52	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
G-30	Gage	Montrose	G-30_20170911	9/11/2017 8:25	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
G-31	Gage	Montrose	G-31_20170912	9/12/2017 8:00	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
G-32	Gage	Montrose	G-32_20170912	9/12/2017 7:15	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
G-33	Gage	Montrose	G-33_20170913	9/13/2017 10:00	N	0.50 U	**2**	0.50 U	10 U	0.50 U	0.50 U
G-33	Gage	Montrose	G-33_20170913_FD	9/13/2017 12:30	FD	0.50 U	**2**	0.50 U	10 U	0.50 U	0.50 U
G-34	Gage	Montrose	G-34_20170912	9/12/2017 9:19	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
G-35	Gage	Montrose	G-35_20170913	9/13/2017 6:58	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
G-EW-1	Gage	Montrose	G-EW-1-20170518	5/18/2017 8:15	N	**2.2**	**2000**	2.0 U	40 U	2.0 U	2.0 U
G-EW-2	Gage	Montrose	G-EW-2-20170516	5/16/2017 13:10	N	**2.6**	**1700**	2.0 U	40 U	2.0 U	2.0 U
G-EW-3	Gage	Montrose	G-EW-3-20170517	5/17/2017 15:11	N	**4.4**	**1300**	2.0 U	40 U	2.0 U	2.0 U
G-EW-4	Gage	Montrose	G-EW-400-20170517	5/17/2017 11:39	FD	**2.4 J**	**2400**	2.5 U	50 U	2.5 U	2.5 U
G-EW-4	Gage	Montrose	G-EW-4-20170517	5/17/2017 11:39	N	**2.3 J**	**2700**	2.5 U	50 U	2.5 U	2.5 U
G-OW-1	Gage	ILM	G-OW-01-N-17Q3	9/11/2017 9:02	N	0.50 U	**2.5**	1.0 U	NA	1.0 U	1.0 U
G-OW-3	Gage	Montrose	G-OW-3_20170914	9/14/2017 11:34	N	**8.4**	**2000**	2.5 U	50 U	2.5 U	2.5 U
GW-07A	Water Table	Del Amo	GWS02755	9/8/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	**0.48 J**
GW-07C	Merged MBFB/MBFC	Del Amo	GWS02775	9/7/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
ILM__P-1	Water Table/MBFB	ILM	P-01-N-17Q3	9/1/2017 8:51	N	25 U	50 U	50 U	NA	**22 J**	**6000**
ILM__P-10	Water Table/MBFB	ILM	P-10-N-17Q3	9/7/2017 8:17	N	**0.29 J**	1.0 U	1.0 U	NA	1.0 U	**2.8**
ILM__P-12	Water Table/MBFB	ILM	P-12-N-17Q3	9/6/2017 11:53	N	10 U	20 U	**44**	NA	20 U	**2900**
ILM__P-12B	MBFC	ILM	P-12B-FD-17Q3	9/6/2017 10:46	FD	0.50 U	1.0 U	1.0 U	NA	1.0 U	**2.8**
ILM__P-12B	MBFC	ILM	P-12B-N-17Q3	9/6/2017 10:46	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**3.4**
ILM__P-12C	Gage	ILM	P-12C-N-17Q3	9/1/2017 7:57	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
ILM__P-16A	Water Table/MBFB	ILM	P-16A-FD-17Q3	9/1/2017 10:39	FD	1.0 U	2.0 U	**2.2**	NA	**17**	**390**
ILM__P-16A	Water Table/MBFB	ILM	P-16A-N-17Q3	9/1/2017 10:39	N	1.0 U	2.0 U	**2**	NA	**14**	**330**

Table 4
Summary of Key VOC Analytical Results
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

						Key VOC Analytical Results (µg/l)					
Location ID	**HSU**	**Responsible Party**	**Sample ID**	**Date**	**Sample Type**	**Benzene**	**Chlorobenzene**	**Chloroform**	**tert-Butyl Alcohol**	**Tetrachloroethene**	**Trichloroethene**
				ISGS Groundwater Standard:		1	70	100	NA	5	5
ILM__P-16C	MBFC	ILM	P-16C-N-17Q3	9/7/2017 11:23	N	1.0 U	2.0 U	**1.7 J**	NA	**0.83 J**	**300**
ILM__P-17	Water Table/MBFB	ILM	P-17-N-17Q3	9/1/2017 9:05	N	5.0 U	10 U	**15**	NA	**1600**	**4000**
ILM__P-1C	Gage	ILM	P-01C-N-17Q3	9/8/2017 9:39	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**1.5**
ILM__P-2	Water Table/MBFB	ILM	P-02-N-17Q3	9/6/2017 8:48	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
ILM__P-20	Water Table/MBFB	ILM	P-20-N-17Q3	9/8/2017 10:37	N	**1.6 J**	5.0 U	**18**	NA	**16**	**10000**
ILM__P-22	Water Table/MBFB	ILM	P-22-N-17Q3	9/7/2017 12:28	N	**0.29 J**	1.0 U	**8.6**	NA	**32**	**2000**
ILM__P-24	Water Table/MBFB	ILM	P-24-N-17Q3	9/6/2017 12:12	N	0.50 U	1.0 U	**0.48 J**	NA	**0.62 J**	**32**
ILM__P-26A	Water Table/MBFB	ILM	P-26A-FD-17Q3	9/1/2017 7:47	FD	5.0 U	10 U	**5.5 J**	NA	**410**	**1200**
ILM__P-26A	Water Table/MBFB	ILM	P-26A-N-17Q3	9/1/2017 7:47	N	5.0 U	10 U	**5.5 J**	NA	**340**	**1000**
ILM__P-26B	MBFC	ILM	P-26B-N-17Q3	9/7/2017 8:13	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**550**
ILM__P-26C	Gage	ILM	P-26C-N-17Q3	9/7/2017 9:24	N	1.0 U	2.0 U	2.0 U	NA	2.0 U	**67**
ILM__P-27A	Water Table/MBFB	ILM	P-27A-N-17Q3	8/31/2017 14:18	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
ILM__P-27B	MBFC	ILM	P-27B-N-17Q3	8/31/2017 12:43	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**0.59 J**
ILM__P-3	Water Table/MBFB	ILM	P-03-N-17Q3	9/6/2017 7:57	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**53**
ILM__P-5	Water Table/MBFB	ILM	P-05-N-17Q3	9/8/2017 11:01	N	**0.45 J**	**0.56 J**	2.0 U	NA	2.0 U	**1.4 J**
ILM__P-6B	Water Table/MBFB	ILM	P-06B-N-17Q3	9/1/2017 9:43	N	5.0 U	10 U	**4.6 J**	NA	**6.0 J**	**1400**
ILM__P-7	Water Table/MBFB	ILM	P-07-N-17Q3	9/1/2017 10:32	N	5.0 U	10 U	**18**	NA	**17**	**1700**
ILM__P-9B	Water Table/MBFB	ILM	P-09B-N-17Q3	9/6/2017 9:44	N	0.50 U	1.0 U	**1.7**	NA	**0.85 J**	**140**
IRZCMW001	MBFC	Boeing	IRZCMW001_WG20170911_01	9/11/2017 10:02	N	0.5 U	1 U	**18**	25 U	**7.9**	**30**
IRZCMW002	MBFC	Boeing	IRZCMW002_WG20170908_01	9/8/2017 10:47	N	0.5 U	**5.1**	**0.82 J**	25 U	**0.65 J**	**6.7**
IRZCMW003	MBFC	Boeing	IRZCMW003_WG20170911_01	9/11/2017 12:19	N	0.5 U	1 U	1 U	25 U	1 U	**0.51 J**
IRZMW001A	Water Table/MBFB	Boeing	IRZMW001A_WG20170908_01	9/8/2017 9:09	N	**2**	1 U	1 U	25 U	**1.4**	**9200**
IRZMW001B	Water Table/MBFB	Boeing	IRZMW001B_WG20170908_01	9/8/2017 8:33	N	1 U	2 U	2 U	50 U	2 U	**570**
IRZMW004	Water Table/MBFB	Boeing	IRZMW004_WG20170907_01	9/7/2017 14:28	N	5 U	10 U	**81**	250 U	**31**	**1400**
IWB001	Water Table/MBFB	Boeing	IWB001_WG20170908_01	9/8/2017 8:48	N	0.5 U	1 U	**1.9**	25 U	1 U	**88**
IWB002	Water Table/MBFB	Boeing	IWB002_WG20170911_01	9/11/2017 12:36	N	1 U	2 U	**3.1**	50 U	2 U	**1200**
IWC001	MBFC	Boeing	IWC001_WG20170906_01	9/6/2017 9:08	N	0.5 U	**0.36 J**	**65**	25 U	**0.81 J**	**510**
IWC003	MBFC	Boeing	IWC003_WG20170907_01	9/7/2017 9:58	N	0.5 U	1 U	1 U	25 U	1 U	**9.4**
IWC004	MBFC	Boeing	IWC004_WG20170908_01	9/8/2017 10:35	N	0.5 U	1 U	**0.52 J**	25 U	1 U	**77**
JMWD-01	Water Table/MBFB	JCI	DUP-01-20170905	9/5/2017 9:46	FD	2.5 U	**310**	**120**	NA	**870**	**490**
JMWD-01	Water Table/MBFB	JCI	JMWD-01-20170905	9/5/2017 9:36	N	2.5 U	**310**	**130**	NA	**950**	**520**
JMWD-02	Water Table/MBFB	JCI	JMWD-02-20170905	9/5/2017 10:52	N	50 U	**21 J**	**3600**	NA	**18000**	**500**
JMWD-03	Water Table/MBFB	JCI	JMWD-03-20170905	9/5/2017 10:29	N	**1100**	**42**	20 U	NA	**190**	**93**
LG-01	Gage	Montrose	LG-01_20170913	9/13/2017 12:20	N	0.50 U	**1.1**	0.50 U	10 U	0.50 U	0.50 U
LG-02	Gage	Montrose	LG-02_20170914	9/14/2017 8:55	N	5.0 U	**3000**	5.0 U	100 U	5.0 U	5.0 U
LW-01	Lynwood	Montrose	LW-01_20170914	9/14/2017 8:20	N	0.50 U	**22**	**0.30 J**	10 U	0.50 U	0.50 U
LW-02	Lynwood	Montrose	LW-02_20170914	9/14/2017 10:10	N	0.50 U	**0.33 J**	0.50 U	10 U	0.50 U	0.50 U
LW-03	Lynwood	Montrose	LW-03_20170912	9/12/2017 13:00	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
LW-04	Lynwood	Montrose	LW-04_20170914	9/14/2017 10:50	N	0.50 U	**14**	0.50 U	10 U	0.50 U	0.50 U
LW-05	Lynwood	Montrose	LW-05_20170914	9/14/2017 9:20	N	0.50 U	**5**	0.50 U	10 U	0.50 U	0.50 U
LW-05	Lynwood	Montrose	LW-05_20170914_FD	9/14/2017 9:20	FD	0.50 U	**4.5**	0.50 U	10 U	0.50 U	0.50 U
LW-06	Lynwood	Montrose	LW-06_20170913	9/13/2017 13:40	N	0.50 U	**0.5**	0.50 U	10 U	0.50 U	0.50 U
LW-07	Lynwood	Montrose	LW-07_20170913	9/13/2017 13:40	N	0.50 U	**2.9**	0.50 U	10 U	0.50 U	0.50 U
MBFB-EW-1	Water Table/MBFB	Montrose	MBFB-EW-1_20171109	11/9/2017 14:05	N	**1600**	**11000**	20 U	400 U	**150**	**190**
MBFB-EW-1	Water Table/MBFB	Montrose	MBFB-EW-1_20171109_FD	11/9/2017 14:05	FD	**1500**	**9600**	20 U	400 U	**120**	**160**
MBFB-OW-1	Water Table/MBFB	ILM	MBFB-OW-01-N-17Q3	9/11/2017 12:41	N	**9000**	**66**	**270**	NA	50 U	50 U
MW0005	Water Table/MBFB	Boeing	MW0005_WG20170905_01	9/5/2017 13:13	N	**0.78 J**	2 U	**12**	50 U	**1.9 J**	**690**
MW-01	Water Table/MBFB	Montrose	MW-01_20170913	9/13/2017 13:00	N	**1100**	**67000**	**2500**	1000 U	**450**	**400**
MW-01HD	Water Table	Del Amo	GWS02756	9/13/2017 0:00	N	**190**	5.0 U	5.0 U	**4600**	5.0 U	5.0 U
MW-02	Water Table/MBFB	Montrose	MW-02_20170914	9/14/2017 7:10	N	**180 J**	**300000**	**23000**	5000 U	250 U	250 U
MW-02HD	Water Table	Del Amo	GWS02757	9/13/2017 0:00	N	0.50 U	1.0 U	1.0 U	**1500**	1.0 U	1.0 U
MW-03	Water Table/MBFB	ILM	MW-03-N-17Q3	9/12/2017 10:56	N	**0.63**	**0.31 J**	**8.5**	NA	**31**	**65**
MW-03HD	Water Table	Del Amo	GWS02758	9/13/2017 0:00	N	0.50 U	1.0 U	1.0 U	**3100**	1.0 U	1.0 U
MW-04	Water Table/MBFB	Montrose	MW-04_20170914	9/14/2017 14:05	N	**14**	**8000**	**240**	200 U	**140**	**950**
MW-04	Water Table/MBFB	Montrose	MW-04_20170914_FD	9/14/2017 14:05	FD	**14**	**7600**	**240**	200 U	**130**	**930**
MW-04HD	Water Table	Del Amo	GWS02759	9/14/2017 0:00	N	**280000**	2000 U	2000 U	20000 U	1000 UJ	1000 UJ
MW-04HD	Water Table	Del Amo	GWS02804	9/14/2017 0:00	FD	**300000**	2000 U	2000 U	20000 U	2000 U	2000 U
MW-05	Water Table/MBFB	Montrose	MW-05_20170913	9/13/2017 8:15	N	2.0 U	**10**	**1400**	40 U	**180**	**11**
MW-06	Water Table/MBFB	Montrose	MW-06_20170914	9/14/2017 11:30	N	20 U	20 U	**720**	400 U	**15000**	**240**
MW-07	Water Table/MBFB	ILM	MW-07-N-17Q3	9/11/2017 12:35	N	**8900**	**35 J**	**230**	NA	100 U	100 U
MW-08	Water Table/MBFB	ILM	MW-08-N-17Q3	9/11/2017 11:21	N	0.50 U	**5.5**	**1**	NA	1.0 U	**14**
MW-09	Water Table/MBFB	Montrose	MW-09_20170912	9/12/2017 7:10	N	1.0 U	1.0 U	**910**	20 U	**30**	**1.5**
MW-10	Water Table/MBFB	Montrose	MW-10_20170912	9/12/2017 13:40	N	0.50 U	0.50 U	**2.5**	10 U	**2.8**	**6.4**
MW-11	Water Table/MBFB	Montrose	MW-11_20170913	9/13/2017 14:20	N	**0.25 J**	**79**	0.50 U	10 U	**19**	**1.5**
MW-11	Water Table/MBFB	Montrose	MW-11_20170913_FD	9/13/2017 14:42	FD	0.50 U	**79**	0.50 U	10 U	**19**	**1.3**
MW-12	Water Table/MBFB	Del Amo	GWS02813	9/12/2017 0:00	N	**8**	**1000**	10 U	100 U	5.0 UJ	5.0 UJ
MW-12	Water Table/MBFB	Montrose	MW-12_20170912	9/12/2017 10:45	N	**9.4 J**	**1200 J**	2.0 UJ	40 UJ	2.0 UJ	**1.5 J**
MW-13	Water Table/MBFB	Montrose	MW-13_20170914	9/14/2017 10:46	N	**180**	**2200**	2.5 U	**220**	2.5 U	**17**

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2017 Baseline MACR

						Key VOC Analytical Results (µg/l)					
Location ID	**HSU**	**Responsible Party**	**Sample ID**	**Date**	**Sample Type**	**Benzene**	**Chlorobenzene**	**Chloroform**	**tert-Butyl Alcohol**	**Tetrachloroethene**	**Trichloroethene**
				ISGS Groundwater Standard:		1	70	100	NA	5	5
MW-14	Water Table/MBFB	Del Amo	GWS02795	9/13/2017 0:00	N	**1200**	**88**	1.0 U	NA	**1.1**	**8.7**
MW-16	Water Table/MBFB	Montrose	MW-16_20171109	11/9/2017 7:30	N	0.50 U	0.50 U	0.50 U	10 U	**3.1**	**460**
MW-17	Water Table/MBFB	ILM	MW-17-N-17Q3	9/11/2017 10:11	N	0.50 U	**0.87 J**	1.0 U	NA	**0.51 J**	1.0 U
MW-19	Water Table/MBFB	Montrose	MW-19_20170912	9/12/2017 8:15	N	0.50 U	0.50 U	**16**	10 U	**0.27 J**	**4.4**
MW-21	Water Table/MBFB	Del Amo	GWS02796	9/13/2017 0:00	N	**0.86**	1.0 U	1.0 U	NA	1.0 U	1.0 U
MW-22	Water Table/MBFB	Montrose	MW-22_20170911	9/11/2017 8:30	N	0.50 U	0.50 U	**17**	**9.7 J**	**0.42 J**	**6.3**
MW-23	Water Table	Montrose	MW-23_20170913	9/13/2017 13:49	N	0.50 U	**0.57**	**2.5**	10 U	0.50 U	0.50 U
MW-24	Water Table	Montrose	MW-24_20170913	9/13/2017 9:52	N	0.50 U	0.50 U	**1.1**	10 U	0.50 U	0.50 U
MW-25	Water Table	Montrose	MW-25_20170911	9/11/2017 9:10	N	**50**	**4.2**	0.50 U	**8.9 J**	0.50 U	0.50 U
MW-26	Water Table	Montrose	MW-26_20170914	9/14/2017 9:58	N	0.50 U	0.50 U	**0.35 J**	10 U	0.50 U	0.50 U
MW-27	Water Table/MBFB	Del Amo	GWS02797	9/7/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	**1.6**	**18**
MW-27	Water Table/MBFB	Del Amo	GWS02814	9/7/2017 0:00	FD	0.50 U	1.0 U	1.0 U	10 U	**1.5**	**17**
MW-28	Water Table/MBFB	Del Amo	GWS02798	9/12/2017 0:00	N	**18000**	200 U	200 U	2000 U	200 U	200 U
MW-29	Water Table/MBFB	Del Amo	GWS02799	9/13/2017 0:00	N	**10000**	100 U	100 U	NA	50 UJ	50 UJ
MW-30	Water Table/MBFB	Del Amo	GWS02815	9/13/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
MW-30	Water Table/MBFB	Montrose	MW-30_20170913	9/13/2017 9:05	N	0.50 U	0.50 U	**0.25 J**	10 U	0.50 U	0.50 U
MW-30	Water Table/MBFB	Montrose	MW-30_20170913_FD	9/13/2017 10:34	FD	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
MW-31	Water Table/MBFB	ILM	MW-31-N-17Q3	9/12/2017 9:49	N	**3.5**	**18**	1.0 U	NA	**2.2**	1.0 U
MWB003	Water Table/MBFB	Boeing	MWB003_WG20170906_01	9/6/2017 14:21	N	2 U	**1.8 J**	**12**	100 U	**2.2 J**	**2200**
MWB006	Water Table/MBFB	Boeing	MWB006_WG20170907_01	9/7/2017 14:18	N	**41**	2 U	2 U	**270**	2 U	**3.8**
MWB007	Water Table/MBFB	Boeing	MWB007_WG20170908_01	9/8/2017 10:29	N	0.5 U	1 U	1 U	25 U	1 U	**20**
MWB012	Water Table/MBFB	Boeing	MWB012_WG20170907_01	9/7/2017 13:38	N	0.5 U	1 U	**2**	25 U	**0.77 J**	**320**
MWB013	Water Table/MBFB	Boeing	MWB013_WG20170907_01	9/7/2017 9:11	N	0.5 U	1 U	1 U	25 U	1 U	**1.7**
MWB014	Water Table/MBFB	Boeing	MWB014_WG20170907_01	9/7/2017 11:32	N	1 U	2 U	**480**	50 U	**0.8 J**	**29**
MWB020	Water Table/MBFB	Boeing	MWB020_WG20170907_01	9/7/2017 13:15	N	0.5 U	1 U	**0.54 J**	25 U	1 U	**1.7**
MWB027	Water Table/MBFB	Boeing	MWB027_WG20170906_01	9/6/2017 10:26	N	2.5 U	5 U	**9.6**	130 U	**18**	**3300**
MWB028	Water Table/MBFB	Boeing	MWB028_WG20170906_01	9/6/2017 11:02	N	0.5 U	1 U	**8.1**	25 U	**0.52 J**	**100**
MWB029	Water Table/MBFB	Boeing	MWB029_WG20170906_01	9/6/2017 10:05	N	5 U	10 U	**3000**	250 U	**140**	**110**
MWB029	Water Table/MBFB	Boeing	MWB029_WG20170906_02	9/6/2017 10:05	FD	5 U	10 U	**3000**	250 U	**130**	**110**
MWB030	Water Table/MBFB	Boeing	MWB030_WG20170907_01	9/7/2017 14:10	N	0.5 U	1 U	1 U	25 U	1 U	**9.1**
MWC004	MBFC	Boeing	MWC004_WG20170908_01	9/8/2017 14:19	N	**15**	5 U	5 U	130 U	5 U	**820**
MWC007	MBFC	Boeing	MWC007_WG20170908_01	9/8/2017 9:36	N	0.5 U	1 U	1 U	25 U	1 U	**72**
MWC009	MBFC	Boeing	MWC009_WG20170908_01	9/8/2017 9:09	N	**0.68**	1 U	1 U	25 U	**0.66 J**	**43**
MWC011	MBFC	Boeing	MWC011_WG20170906_01	9/6/2017 14:27	N	**0.42 J**	1 U	1 U	25 U	1 U	**15**
MWC016	MBFC	Boeing	MWC016_WG20170907_01	9/7/2017 10:47	N	0.5 U	1 U	**0.31 J**	25 U	1 U	**80**
MWC017	MBFC	Boeing	MWC017_WG20170906_01	9/6/2017 9:21	N	0.5 U	**31**	1 U	25 U	1 U	**15**
MWC021	MBFC	Boeing	MWC021_WG20170906_01	9/6/2017 8:23	N	0.5 U	1 U	**0.49 J**	25 U	**0.61 J**	**16**
MWC022	MBFC	Boeing	MWC022_WG20170908_01	9/8/2017 11:25	N	0.5 U	1 U	1 U	25 U	1 U	**13**
MWC023	MBFC	Boeing	MWC023_WG20170911_01	9/11/2017 10:51	N	**15**	5 U	5 U	130 U	5 U	**580**
MWC024	MBFC	Boeing	MWC024_WG20170906_01	9/6/2017 9:59	N	2 U	**17**	**1.4 J**	100 U	4 U	**2000**
MWC025	MBFC	Boeing	MWC025_WG20170911_01	9/11/2017 9:24	N	**0.84**	1 U	**0.54 J**	25 U	1 U	**78**
MWC026	MBFC	Boeing	MWC026_WG20170908_01	9/8/2017 13:27	N	0.5 U	1 U	1 U	25 U	1 U	**21**
MWC027	MBFC	Boeing	MWC027_WG20170908_01	9/8/2017 13:43	N	**2.2**	1 U	1 U	25 U	1 U	**13**
MWC028	MBFC	Boeing	MWC028_WG20170905_01	9/5/2017 10:00	N	**0.28 J**	1 U	1 U	25 U	1 U	**23**
MWG001	Gage	Boeing	MWG001_WG20170908_01	9/8/2017 11:15	N	**1**	1 U	**0.32 J**	25 U	1 U	**29**
MWG002	Gage	Boeing	MWG002_WG20170907_01	9/7/2017 11:47	N	0.5 U	1 U	1 U	25 U	1 U	**1.1**
MWG003	Gage	Boeing	MWG003_WG20170908_01	9/8/2017 14:28	N	0.5 U	1 U	1 U	**9.9 J**	1 U	**14**
MWG004	Gage	Boeing	MWG004_WG20170911_01	9/11/2017 8:55	N	0.5 U	1 U	**0.26 J**	25 U	1 U	**38**
PZL0001	Water Table	Del Amo	GWS02716	9/8/2017 0:00	N	0.50 U	1.0 U	1.0 U	**65**	1.0 U	1.0 U
PZL0006	Water Table	Del Amo	GWS02717	9/7/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**0.50 J**
PZL0007	Water Table	Del Amo	GWS02718	9/8/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
PZL0009	Water Table	Del Amo	GWS02719	9/8/2017 0:00	N	**240**	**0.41 J**	1.0 U	NA	1.0 U	**3.5**
PZL0010	Water Table	Del Amo	GWS02720	9/8/2017 0:00	N	0.50 U	1.0 U	**0.82 J**	NA	1.0 U	1.0 U
PZL0011	Water Table	Del Amo	GWS02721	9/14/2017 0:00	N	**950**	**2.2 J**	10 U	**1700**	10 U	10 U
PZL0012	Water Table	Del Amo	GWS02722	9/14/2017 0:00	N	**1.7**	1.0 U	1.0 U	**5500**	1.0 U	1.0 U
PZL0013	Water Table	Del Amo	GWS02723	9/13/2017 0:00	N	**210000**	1000 U	1000 U	10000 U	1000 U	1000 U
PZL0014	Water Table	Del Amo	GWS02724	9/8/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
PZL0016	Water Table	Del Amo	GWS02725	9/13/2017 0:00	N	**0.22 J**	**0.31 J**	**6.7**	NA	**220**	**280**
PZL0018	Water Table	Del Amo	GWS02726	9/11/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	**0.74 J**	1.0 U
PZL0020	Water Table	Del Amo	GWS02728	9/12/2017 0:00	N	**360000**	1000 U	1000 U	10000 U	1000 U	1000 U
PZL0022	Water Table	Del Amo	GWS02729	9/11/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
PZL0024	Water Table	Del Amo	GWS02730	9/11/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
PZL0025	Water Table	Del Amo	GWS02731	9/11/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
PZL0026	Water Table	Del Amo	GWS02732	9/14/2017 0:00	N	**32**	**22 J**	50 U	**39000**	25 UJ	25 UJ
SWL0002	Water Table/MBFB	Del Amo	GWS02733	9/14/2017 0:00	N	**0.98**	1.0 U	1.0 U	NA	**110**	**100**
SWL0003	Water Table/MBFB	Del Amo	GWS02734	9/12/2017 0:00	N	**4.2**	1.0 U	1.0 U	NA	**69**	**110**
SWL0004	Water Table	Del Amo	GWS02735	9/14/2017 0:00	N	**72000**	500 U	500 U	NA	250 UJ	250 UJ
SWL0005	Water Table	Del Amo	GWS02736	9/7/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U

Table 4
Summary of Key VOC Analytical Results
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

						Key VOC Analytical Results (µg/l)					
Location ID	**HSU**	**Responsible Party**	**Sample ID**	**Date**	**Sample Type**	**Benzene**	**Chlorobenzene**	**Chloroform**	**tert-Butyl Alcohol**	**Tetrachloroethene**	**Trichloroethene**
				ISGS Groundwater Standard:		1	70	100	NA	5	5
SWL0006	Water Table	Del Amo	GWS02737	9/7/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**0.49 J**
SWL0007	Water Table	Del Amo	GWS02738	9/12/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**0.44 J**
SWL0008	Water Table	Del Amo	GWS02739	9/11/2017 0:00	N	**56**	1.0 U	1.0 U	**28**	1.0 U	**0.82 J**
SWL0009	Water Table	Del Amo	GWS02740	9/7/2017 0:00	N	0.50 U	**0.18 J**	**0.56 J**	10 U	**8.6**	**6.9**
SWL0010	Merged MBFB/MBFC	Del Amo	GWS02761	9/7/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
SWL0011	Merged MBFB/MBFC	Montrose	SWL0011_20170914	9/14/2017 10:58	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
SWL0013	Merged MBFB/MBFC	Del Amo	GWS02777	9/12/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
SWL0014	Merged MBFB/MBFC	Del Amo	GWS02778	9/11/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0015	Water Table	Del Amo	GWS02741	9/11/2017 0:00	N	**2.7**	**10**	1.0 U	**35**	1.0 U	1.0 U
SWL0016	Water Table	Del Amo	GWS02742	9/7/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	**10**	**1.1**
SWL0017	Water Table	Del Amo	GWS02743	9/8/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0017	Water Table	Del Amo	GWS02805	9/8/2017 0:00	FD	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0018	Merged MBFB/MBFC	Del Amo	GWS02779	9/11/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0019	Merged MBFB/MBFC	Del Amo	GWS02762	9/12/2017 0:00	N	0.50 U	**1.1**	1.0 U	10 U	1.0 U	1.0 U
SWL0020	Gage	Montrose	SWL0020_20170911	9/11/2017 14:20	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
SWL0021	Water Table	Del Amo	GWS02744	9/13/2017 0:00	N	**0.47 J**	**13**	1.0 U	**1700**	1.0 U	**1.5**
SWL0021	Water Table	Del Amo	GWS02806	9/13/2017 0:00	FD	**0.53**	**13**	1.0 U	**1700**	1.0 U	**1.5**
SWL0022	Gage	Del Amo	GWS02790	9/12/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
SWL0023	Merged MBFB/MBFC	Del Amo	GWS02763	9/11/2017 0:00	N	0.50 U	1.0 U	1.0 U	**750**	1.0 U	1.0 U
SWL0024	Water Table	Del Amo	GWS02745	9/11/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	**7.8**
SWL0025	Gage	Del Amo	GWS02791	9/7/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
SWL0026	Gage	Montrose	SWL0026_20170911	9/11/2017 14:02	N	0.50 U	**1.2**	0.50 U	10 U	0.50 U	0.50 U
SWL0027	Merged MBFB/MBFC	Montrose	SWL0027_20170911	9/11/2017 14:42	N	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U
SWL0028	Water Table	Del Amo	GWS02746	9/12/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
SWL0033	Merged MBFB/MBFC	Del Amo	GWS02780	9/8/2017 0:00	N	**2.6**	**3000**	1.0 U	NA	**21 J+**	**100**
SWL0034	Gage	Montrose	SWL0034_20170913	9/13/2017 10:00	N	**23**	**6400**	10 U	200 U	10 U	**8.5 J**
SWL0035	Merged MBFB/MBFC	Del Amo	GWS02781	9/7/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0036	Gage	Del Amo	GWS02792	9/7/2017 0:00	N	**2.9**	1.0 U	1.0 U	NA	1.0 U	**1.5**
SWL0037	Merged MBFB/MBFC	Del Amo	GWS02765	9/7/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	**2.4**	**1.2**
SWL0038	Water Table	Del Amo	GWS02747	9/12/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0040	Merged MBFB/MBFC	Del Amo	GWS02782	9/12/2017 0:00	N	**21**	1.0 U	1.0 U	10 U	1.0 U	1.0 U
SWL0041	Merged MBFB/MBFC	Del Amo	GWS02766	9/12/2017 0:00	N	**0.66**	1.0 U	1.0 U	10 U	1.0 U	1.0 U
SWL0041	Merged MBFB/MBFC	Del Amo	GWS02807	9/12/2017 0:00	FD	**0.58**	1.0 U	1.0 U	10 U	1.0 U	1.0 U
SWL0042	Water Table	Del Amo	GWS02748	9/12/2017 0:00	N	**3**	**1.1**	1.0 U	10 U	1.0 U	1.0 U
SWL0042	Water Table	Del Amo	GWS02808	9/12/2017 0:00	FD	**3.1**	**1.1**	1.0 U	10 U	1.0 U	1.0 U
SWL0044	Water Table	Del Amo	GWS02749	9/13/2017 0:00	N	**410**	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0046	Water Table	Del Amo	GWS02750	9/12/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
SWL0047	Merged MBFB/MBFC	Del Amo	GWS02767	9/8/2017 0:00	N	**0.26 J**	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0048	Merged MBFB/MBFC	Del Amo	GWS02768	9/13/2017 0:00	N	**170000**	1000 U	1000 U	NA	500 UJ	500 UJ
SWL0049	Water Table/MBFB	Montrose	SWL0049_20170914	9/14/2017 10:28	N	**4.9 J**	**2300**	5.0 U	100 U	**5.9**	**77**
SWL0050	Merged MBFB/MBFC	Del Amo	GWS02769	9/12/2017 0:00	N	**57000**	100 U	100 U	NA	100 U	100 U
SWL0050	Merged MBFB/MBFC	Del Amo	GWS02809	9/12/2017 0:00	FD	**44000**	100 U	100 U	NA	100 U	100 U
SWL0051	Water Table	Del Amo	GWS02751	9/8/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0052	Merged MBFB/MBFC	Del Amo	GWS02770	9/8/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	**0.54 J**	1.0 U
SWL0053	Merged MBFB/MBFC	Del Amo	GWS02783	9/8/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
SWL0054	MBFC	Del Amo	GWS02784	9/13/2017 0:00	N	**0.23 J**	1.0 U	1.0 U	NA	**37**	**95**
SWL0055	Merged MBFB/MBFC	Del Amo	GWS02785	9/11/2017 0:00	N	0.50 U	1.0 U	1.0 U	**360**	1.0 U	1.0 U
SWL0056	Merged MBFB/MBFC	Del Amo	GWS02771	9/8/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	**5.7**
SWL0057	Water Table	Del Amo	GWS02752	9/7/2017 0:00	N	0.50 U	1.0 U	**0.56 J**	10 U	1.0 U	1.0 U
SWL0058	MBFC	Del Amo	GWS02786	9/12/2017 0:00	N	0.50 U	**13**	1.0 U	NA	**0.44 J**	**8.6**
SWL0059	Water Table	Del Amo	GWS02753	9/11/2017 0:00	N	**0.24 J**	1.0 U	**8.9**	NA	**280**	**1200**
SWL0060	Merged MBFB/MBFC	Del Amo	GWS02772	9/14/2017 0:00	N	**51**	1.0 U	1.0 U	**35000**	1.0 U	1.0 U
SWL0061	MBFC	Del Amo	GWS02787	9/14/2017 0:00	N	**9.5**	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0063	Gage	Del Amo	GWS02793	9/13/2017 0:00	N	**180**	1.0 U	1.0 U	NA	**0.52 J**	**13**
SWL0064	MBFC	Del Amo	GWS02788	9/12/2017 0:00	N	**2.8**	**650**	1.0 U	NA	**4.9**	**39**
SWL0065	Merged MBFB/MBFC	Del Amo	GWS02789	9/13/2017 0:00	N	**0.28 J**	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0065	Merged MBFB/MBFC	Del Amo	GWS02810	9/13/2017 0:00	FD	**0.34 J**	1.0 U	1.0 U	NA	1.0 U	1.0 U
SWL0066	Gage	Del Amo	GWS02794	9/13/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	1.0 U	**0.93 J**
SWL0068	Water Table	Del Amo	GWS02754	9/14/2017 0:00	N	**160000**	1000 U	1000 U	**38000**	500 UJ	500 UJ
TMW_06	Water Table/MBFB	Boeing	TMW_06_WG20170907_01	9/7/2017 9:43	N	0.5 U	1 U	**85**	25 U	**0.83 J**	**17**
TMW_07	Water Table/MBFB	Boeing	TMW_07_WG20170906_01	9/6/2017 8:31	N	0.5 U	1 U	**0.47 J**	25 U	1 U	**61**
TMW_08	Water Table/MBFB	Boeing	TMW_08_WG20170906_01	9/6/2017 11:42	N	0.5 U	1 U	**1.3**	25 U	1 U	**170**
TMW_10	Water Table/MBFB	Boeing	TMW_10_WG20170907_01	9/7/2017 10:56	N	0.5 U	1 U	**0.96 J**	25 U	**1.8**	**24**
TMW_11	Water Table/MBFB	Boeing	TMW_11_WG20170908_01	9/8/2017 8:31	N	0.5 U	1 U	**86**	25 U	**4.2**	**1.3**
TMW_14	Water Table/MBFB	Boeing	TMW_14_WG20170906_01	9/6/2017 8:17	N	0.5 U	1 U	**4.8**	25 U	**0.26 J**	**3.3**
TMW_15	Water Table/MBFB	Boeing	TMW_15_WG20170907_01	9/7/2017 8:27	N	0.5 U	1 U	**0.78 J**	25 U	**0.51 J**	**15**
UBA-EW-1	Water Table/MBFB	Montrose	UBA-EW-1-20170517	5/17/2017 8:46	N	**1200**	**110000**	**32000**	2500 U	**3400**	**290**
UBA-EW-3	Water Table	Montrose	UBA-EW-3-20170518	5/18/2017 14:25	N	**17**	**5600**	10 U	200 U	**390**	**31**

Table 4
Summary of Key VOC Analytical Results
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

						Key VOC Analytical Results (µg/l)					
Location ID	**HSU**	**Responsible Party**	**Sample ID**	**Date**	**Sample Type**	**Benzene**	**Chlorobenzene**	**Chloroform**	**tert-Butyl Alcohol**	**Tetrachloroethene**	**Trichloroethene**
				ISGS Groundwater Standard:		1	70	100	NA	5	5
WCC_03S	Water Table/MBFB	Boeing	WCC_03S_WG20170907_01	9/7/2017 13:41	N	**130**	1 U	**0.42 J**	25 U	1 U	**41**
WCC_04S	Water Table/MBFB	Boeing	WCC_04S_WG20170911_01	9/11/2017 8:31	N	2.5 U	5 U	**5.4**	130 U	5 U	**740**
WCC_05S	Water Table/MBFB	Boeing	WCC_05S_WG20170907_01	9/7/2017 11:13	N	0.5 U	1 U	**0.41 J**	25 U	1 U	**0.94 J**
WCC_07S	Water Table/MBFB	Boeing	WCC_07S_WG20170907_01	9/7/2017 8:15	N	**5.5**	1 U	**2**	25 U	**0.36 J**	**360**
WCC_09S	Water Table/MBFB	Boeing	WCC_09S_WG20170907_01	9/7/2017 9:05	N	0.5 U	1 U	**3.6**	25 U	1 U	**1.1**
WCC_12S	Water Table/MBFB	Boeing	WCC_12S_WG20170907_01	9/7/2017 9:59	N	0.5 U	1 U	**2.1**	25 U	1 U	**2.4**
XP-02	Water Table	Del Amo	GWS02760	9/11/2017 0:00	N	0.50 U	1.0 U	1.0 U	NA	**1.4**	**1.5**
XP-03	Merged MBFB/MBFC	Del Amo	GWS02776	9/7/2017 0:00	N	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U
XP-03	Merged MBFB/MBFC	Del Amo	GWS02811	9/7/2017 0:00	FD	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U

Notes:
Samples were analyzed using EPA Method 8260B
Bold Result = Result equal to or above lab reporting detection limit
ug/L = micrograms per liter
Sample Type - N = Normal and FD = Field Duplicate
Del Amo collected split samples at MW-12 and MW-30. Results are used in Figures 30, 31, and the Benzene Biodegradation Analysis presented in Appendix H

Laboratory-Assigned Qualifier:
U = Analyte not detected above the reporting limit.
J = Estimated value.
J+ = The result is an estimated quantity, but the result may be biased high.

Table 5
Summary of pCBSA Sample Analytical Results
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location ID	HSU	Responsible Party	Sample ID	Date	Sample Type	pCBSA
BF-01	MBFC	ILM	BF-01_20170911	9/11/2017 11:19	N	10 U
BF-02	MBFC	Montrose	BF-02_20170913	9/13/2017 14:45	N	**61000**
BF-03	MBFC	Montrose	BF-03_20170913	9/13/2017 7:10	N	**23000**
BF-04	MBFC	Montrose	BF-04_20170913	9/13/2017 13:00	N	**42000**
BF-05	MBFC	Montrose	BF-05_20170912	9/12/2017 15:35	N	10 U
BF-06	MBFC	Del Amo	BF-06_20170914	9/14/2017 8:54	N	**14000**
BF-09	MBFC	Montrose	BF-09_20170914	9/14/2017 12:30	N	**390000**
BF-09	MBFC	Montrose	BF-09_20170914_FD	9/14/2017 12:30	FD	**390000**
BF-10	Merged MBFB/MBFC	Montrose	BF-10_20170913	9/13/2017 14:20	N	**68**
BF-11	Merged MBFB/MBFC	Montrose	BF-11_20170911	9/11/2017 15:10	N	10 U
BF-12	Merged MBFB/MBFC	Montrose	BF-12_20170911	9/11/2017 12:00	N	**12000**
BF-13	Merged MBFB/MBFC	Del Amo	BF-13-_20170912	9/12/2017 10:40	N	10 U
BF-14	Merged MBFB/MBFC	Montrose	BF-14_20170913	9/13/2017 11:15	N	**2100**
BF-15	Merged MBFB/MBFC	Montrose	BF-15_20170913	9/13/2017 7:15	N	**20000**
BF-15	Merged MBFB/MBFC	Montrose	BF-15_20170913_FD	9/13/2017 9:19	FD	**20000**
BF-16	MBFC	Montrose	BF-16_20170911	9/11/2017 15:35	N	**32000**
BF-17	Merged MBFB/MBFC	Montrose	BF-17_20170911	9/11/2017 12:50	N	**27000**
BF-19	MBFC	Montrose	BF-19_20170912	9/12/2017 10:45	N	10 U
BF-20	MBFC	ILM	BF-20_20170911	9/11/2017 10:16	N	**12000**
BF-21	MBFC	Montrose	BF-21_20170911	9/11/2017 11:42	N	**23000**
BF-22	Merged MBFB/MBFC	Montrose	BF-22_20170911	9/11/2017 13:22	N	**13000**
BF-23	Merged MBFB/MBFC	Montrose	BF-23_20170913	9/13/2017 7:05	N	**11**
BF-24	Merged MBFB/MBFC	Montrose	BF-24_20170911	9/11/2017 9:45	N	**19000**
BF-25	Merged MBFB/MBFC	Montrose	BF-25_20170912	9/12/2017 12:02	N	**69**
BF-26	Merged MBFB/MBFC	Montrose	BF-26_20170912	9/12/2017 11:00	N	10 U
BF-27	Merged MBFB/MBFC	Montrose	BF-27_20170912	9/12/2017 8:52	N	10 U
BF-28	Merged MBFB/MBFC	Montrose	BF-28_20170912	9/12/2017 11:00	N	**36**
BF-29	MBFC	Montrose	BF-29_20170911	9/11/2017 9:50	N	**4.9 J**
BF-30	Merged MBFB/MBFC	Montrose	BF-30_20170911	9/11/2017 12:18	N	**13**
BF-31	MBFC	Montrose	BF-31_20170911	9/11/2017 9:12	N	**100**
BF-32A	Water Table/MBFB/MBFC	Montrose	BF-32A_20170913	9/13/2017 7:00	N	**8.6 J**
BF-33	MBFC	Montrose	BF-33_20170912	9/12/2017 12:02	N	10 U
BF-35	MBFC	Montrose	BF-35_20170914	9/14/2017 13:12	N	**18000**
BF-35	MBFC	Montrose	BF-35_20170914_FD	9/14/2017 13:17	FD	**16000**
BF-36	Merged MBFB/MBFC	Montrose	BF-36_20170912	9/12/2017 8:52	N	10 U
BF-EW-1	MBFC	Montrose	BF-EW-1-20170517	5/17/2017 17:08	N	**97000**
BF-EW-2	Merged MBFB/MBFC	Montrose	BF-EW-2-20170516	5/16/2017 10:20	N	**43000**
BF-EW-3	Merged MBFB/MBFC	Montrose	BF-EW-3-20170518	5/18/2017 11:28	N	**22000**
BF-EW-4	Merged MBFB/MBFC	Montrose	BF-EW-4-20170518	5/18/2017 15:39	N	**24000**
BF-EW-5	MBFC	Montrose	BF-EW-5-20170517	5/17/2017 10:26	N	**120000**
BF-OW-1	MBFC	ILM	BF-OW-01_20170911	9/11/2017 9:06	N	**690**
BF-OW-1	MBFC	ILM	BF-OW-0100_20170911	9/11/2017 9:16	FD	**750**
BF-OW-4	MBFC	Montrose	BF-OW-04_20171109	11/9/2017 8:50	N	**35000**
BL-13BD	MBFC	ILM	BL-13BD_20170912	9/12/2017 9:46	N	**4100**
BL-13C	Gage	ILM	BL-13C_20170912	9/12/2017 8:26	N	**1900**
BL-14A	Water Table/MBFB	ILM	BL-14A_20170907	9/7/2017 12:20	N	**16**
BL-14B	MBFC	ILM	BL-14B_20170907	9/7/2017 11:12	N	**230**
BL-14C	Gage	ILM	BL-14C_20170907	9/7/2017 9:58	N	10 U
CMW001	MBFC	Boeing	CMW001_20170906	9/6/2017 11:10	N	**30000**
CMW002	MBFC	Boeing	CMW002_20170906	9/6/2017 13:11	N	**57000**
CMW002	MBFC	Boeing	CMW00200_20170906	9/6/2017 13:21	FD	**58000**
G-01	Gage	Montrose	G-01_20170914	9/14/2017 13:22	N	10 U
G-02	Gage	Montrose	G-02_20170913	9/13/2017 11:40	N	**7800**
G-02WC	Merged MBFB/MBFC	Del Amo	G-02WC_20170908	9/8/2017 13:16	N	**3400 ***
G-03	Gage	Montrose	G-03_20170913	9/13/2017 15:15	N	**5100**
G-04	Gage	Montrose	G-04_20170912	9/12/2017 15:10	N	**1700**
G-05	Gage	Montrose	G-05_20170914	9/14/2017 9:52	N	**14000**
G-08	Gage	Montrose	G-08_20170913	9/13/2017 8:00	N	**3800**
G-09	Gage	Montrose	G-09_20170913	9/13/2017 14:20	N	**21000**
G-12	Gage	Montrose	G-12_20170914	9/14/2017 9:15	N	**30000**
G-12	Gage	Montrose	G-12_20170914_FD	9/14/2017 9:15	FD	**30000**
G-13	Gage	Montrose	G-13_20170913	9/13/2017 7:54	N	**20000**
G-14	Gage	Montrose	G-14_20170912	9/12/2017 11:40	N	10 U
G-15	Gage	Montrose	G-15_20170912	9/12/2017 10:00	N	**8.3 J**
G-16	Gage	Montrose	G-16_20170914	9/14/2017 8:36	N	**250**
G-17	Gage	Del Amo	G-17_20170912	9/12/2017 8:21	N	**220**
G-18	Gage	Montrose	G-18_20170911	9/11/2017 11:15	N	**1200**
G-19A	Gage	Montrose	G-19A_20170911	9/11/2017 10:25	N	**8300**
G-20	Gage	ILM	G-20_20170912	9/12/2017 8:34	N	**22**
G-21	Gage	Montrose	G-21_20170912	9/12/2017 9:05	N	**310**
G-23	Gage	Montrose	G-23_20170911	9/11/2017 13:25	N	**110**
G-24	Gage	Montrose	G-24_20170911	9/11/2017 11:15	N	**8100**

Table 5
Summary of pCBSA Sample Analytical Results
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location ID	HSU	Responsible Party	Sample ID	Date	Sample Type	pCBSA
G-25	Gage	Montrose	G-25_20170914	9/14/2017 12:20	N	**3400**
G-26	Gage	Montrose	G-26_20170911	9/11/2017 10:28	N	**490**
G-27	Gage	Montrose	G-27_20170911	9/11/2017 12:52	N	10 U
G-28	Gage	Montrose	G-28_20170912	9/12/2017 10:34	N	**1400**
G-29	Gage	Montrose	G-29_20170912	9/12/2017 9:52	N	**8000**
G-30	Gage	Montrose	G-30_20170911	9/11/2017 8:25	N	10 U
G-31	Gage	Montrose	G-31_20170912	9/12/2017 8:00	N	**1000**
G-32	Gage	Montrose	G-32_20170912	9/12/2017 7:15	N	**4.3 J**
G-33	Gage	Montrose	G-33_20170913	9/13/2017 10:00	N	**89**
G-33	Gage	Montrose	G-33_20170913_FD	9/13/2017 12:30	FD	**79**
G-34	Gage	Montrose	G-34_20170912	9/12/2017 9:19	N	10 U
G-35	Gage	Montrose	G-35_20170913	9/13/2017 6:58	N	**2500**
G-EW-1	Gage	Montrose	G-EW-1-20170518	5/18/2017 8:15	N	**10000**
G-EW-2	Gage	Montrose	G-EW-2-20170516	5/16/2017 13:10	N	**21000**
G-EW-3	Gage	Montrose	G-EW-3-20170517	5/17/2017 15:11	N	**7500**
G-EW-4	Gage	Montrose	G-EW-400-20170517	5/17/2017 11:39	FD	**19000**
G-EW-4	Gage	Montrose	G-EW-4-20170517	5/17/2017 11:39	N	**20000**
G-OW-1	Gage	ILM	G-OW-01_20170911	9/11/2017 9:02	N	**32**
G-OW-3	Gage	Montrose	G-OW-3_20170914	9/14/2017 11:34	N	**13000**
ILM__P-10	Water Table/MBFB	ILM	P-10_20170907	9/7/2017 8:17	N	**15**
ILM__P-16C	MBFC	ILM	P-16C_20170907	9/7/2017 11:23	N	**16**
ILM__P-22	Water Table/MBFB	ILM	P-22_20170907	9/7/2017 12:28	N	**32**
ILM__P-26C	Gage	ILM	P-26C_20170907	9/7/2017 9:24	N	10 U
IWC001	MBFC	Boeing	IWC001_20170906	9/6/2017 9:08	N	10 U
JMWD-01	Water Table/MBFB	JCI	JMWD-01_20170905	9/5/2017 9:46	N	**160**
JMWD-02	Water Table/MBFB	JCI	JMWD-02_20170905	9/5/2017 10:52	N	**270**
JMWD-03	Water Table/MBFB	JCI	JMWD-03_20170905	9/5/2017 10:29	N	**60**
LG-01	Gage	Montrose	LG-01_20170913	9/13/2017 12:20	N	10 U
LG-02	Gage	Montrose	LG-02_20170914	9/14/2017 8:55	N	**11000**
LW-01	Lynwood	Montrose	LW-01_20170914	9/14/2017 8:20	N	10 U
LW-02	Lynwood	Montrose	LW-02_20170914	9/14/2017 10:10	N	10 U
LW-03	Lynwood	Montrose	LW-03_20170912	9/12/2017 13:00	N	10 U
LW-04	Lynwood	Montrose	LW-04_20170914	9/14/2017 10:50	N	**330**
LW-05	Lynwood	Montrose	LW-05_20170914	9/14/2017 9:20	N	10 U
LW-05	Lynwood	Montrose	LW-05_20170914_FD	9/14/2017 9:20	FD	10 U
LW-06	Lynwood	Montrose	LW-06_20170913	9/13/2017 13:40	N	10 U
LW-07	Lynwood	Montrose	LW-07_20170913	9/13/2017 13:40	N	10 U
MBFB-EW-1	Water Table/MBFB	Montrose	MBFB-EW-1_20171109	11/9/2017 14:05	N	**54000 ***
MBFB-EW-1	Water Table/MBFB	Montrose	MBFB-EW-1_20171109_FD	11/9/2017 14:05	FD	**56000**
MBFB-OW-1	Water Table/MBFB	ILM	MBFB-OW-01_20170911	9/11/2017 12:41	N	**7100**
MW-01	Water Table/MBFB	Montrose	MW-01_20170913	9/13/2017 13:00	N	**130000**
MW-02	Water Table/MBFB	Montrose	MW-02_20170914	9/14/2017 7:10	N	**200000**
MW-03	Water Table/MBFB	ILM	MW-03_20170912	9/12/2017 10:56	N	10 U
MW-04	Water Table/MBFB	Montrose	MW-04_20170914	9/14/2017 14:05	N	**16000**
MW-04	Water Table/MBFB	Montrose	MW-04_20170914_FD	9/14/2017 14:05	FD	**16000**
MW-05	Water Table/MBFB	Montrose	MW-05_20170913	9/13/2017 8:15	N	10 U
MW-06	Water Table/MBFB	Montrose	MW-06_20170914	9/14/2017 11:30	N	10 U
MW-07	Water Table/MBFB	ILM	MW-07_20170911	9/11/2017 12:35	N	**1400**
MW-08	Water Table/MBFB	ILM	MW-08_20170911	9/11/2017 11:21	N	**32**
MW-09	Water Table/MBFB	Montrose	MW-09_20170912	9/12/2017 7:10	N	10 U
MW-10	Water Table/MBFB	Montrose	MW-10_20170912	9/12/2017 13:40	N	**75**
MW-11	Water Table/MBFB	Montrose	MW-11_20170913	9/13/2017 14:20	N	**34**
MW-11	Water Table/MBFB	Montrose	MW-11_20170913_FD	9/13/2017 14:42	FD	**38**
MW-12	Water Table/MBFB	Montrose	MW-12_20170912	9/12/2017 10:45	N	**310**
MW-13	Water Table/MBFB	Montrose	MW-13_20170914	9/14/2017 10:46	N	**3300**
MW-14	Water Table/MBFB	Del Amo	MW-14_20170913	9/13/2017 13:33	N	**3800**
MW-16	Water Table/MBFB	Montrose	MW-16_20171109	11/9/2017 7:30	N	10 U
MW-17	Water Table/MBFB	ILM	MW-17_20170911	9/11/2017 10:11	N	**9.8 J**
MW-19	Water Table/MBFB	Montrose	MW-19_20170912	9/12/2017 8:15	N	**56**
MW-21	Water Table/MBFB	Del Amo	MW-21_20170913	9/13/2017 10:03	N	10 U
MW-22	Water Table/MBFB	Montrose	MW-22_20170911	9/11/2017 8:30	N	**7.4 J**
MW-23	Water Table	Montrose	MW-23_20170913	9/13/2017 13:49	N	10 U
MW-24	Water Table	Montrose	MW-24_20170913	9/13/2017 9:52	N	**16**
MW-25	Water Table	Montrose	MW-25_20170911	9/11/2017 9:10	N	**31**
MW-26	Water Table	Montrose	MW-26_20170914	9/14/2017 9:58	N	10 U
MW-27	Water Table/MBFB	Del Amo	MW-27_20170907	9/7/2017 14:49	N	10 U
MW-28	Water Table/MBFB	Del Amo	MW-28_20170912	9/12/2017 13:30	N	10 U
MW-28	Water Table/MBFB	Del Amo	MW-2800_20170912	9/12/2017 13:40	FD	10 U
MW-29	Water Table/MBFB	Del Amo	MW-29_20170913	9/13/2017 11:13	N	10 U
MW-30	Water Table/MBFB	Montrose	MW-30_20170913	9/13/2017 9:05	N	10 U
MW-30	Water Table/MBFB	Montrose	MW-30_20170913_FD	9/13/2017 10:34	FD	10 U
MW-31	Water Table/MBFB	ILM	MW-31_20170912	9/12/2017 9:49	N	10 U

Table 5
Summary of pCBSA Sample Analytical Results
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location ID	HSU	Responsible Party	Sample ID	Date	Sample Type	pCBSA
MWB029	Water Table/MBFB	Boeing	MWB029_20170906	9/6/2017 10:05	N	10 U
MWC017	MBFC	Boeing	MWC017_20170906	9/6/2017 9:21	N	**330**
MWC021	MBFC	Boeing	MWC021_20170906	9/6/2017 8:23	N	10 U
MWC024	MBFC	Boeing	MWC024_20170906	9/6/2017 9:59	N	**72**
PZL0025	Water Table	Del Amo	PZL0025_20170911	9/11/2017 9:25	N	10 U
SWL0010	Merged MBFB/MBFC	Del Amo	SWL0010_20170907	9/7/2017 9:48	N	10 U
SWL0011	Merged MBFB/MBFC	Montrose	SWL0011_20170914	9/14/2017 10:58	N	10 U
SWL0013	Merged MBFB/MBFC	Del Amo	SWL0013_20170912	9/12/2017 13:31	N	10 U
SWL0020	Gage	Montrose	SWL0020_20170911	9/11/2017 14:20	N	**730**
SWL0022	Gage	Del Amo	SWL0022_20170912	9/12/2017 12:35	N	**980**
SWL0023	Merged MBFB/MBFC	Del Amo	SWL0023_20170911	9/11/2017 11:31	N	10 U
SWL0025	Gage	Del Amo	SWL0025_20170907	9/7/2017 10:46	N	10 U
SWL0026	Gage	Montrose	SWL0026_20170911	9/11/2017 14:02	N	10 U
SWL0027	Merged MBFB/MBFC	Montrose	SWL0027_20170911	9/11/2017 14:42	N	**60**
SWL0033	Merged MBFB/MBFC	Del Amo	SWL0033_20170908	9/8/2017 14:18	N	**23000**
SWL0034	Gage	Montrose	SWL0034_20170913	9/13/2017 10:00	N	**31000**
SWL0035	Merged MBFB/MBFC	Del Amo	SWL0035_20170907	9/7/2017 11:26	N	10 U
SWL0036	Gage	Del Amo	SWL0036_20170907	9/7/2017 13:56	N	10 U
SWL0037	Merged MBFB/MBFC	Del Amo	SWL0037_20170907	9/7/2017 10:25	N	10 U
SWL0049	Water Table/MBFB	Montrose	SWL0049_20170914	9/14/2017 10:28	N	**2100**
SWL0052	Merged MBFB/MBFC	Del Amo	SWL0052_20170908	9/8/2017 9:17	N	10 U
SWL0053	Merged MBFB/MBFC	Del Amo	SWL0053_20170908	9/8/2017 14:27	N	10 U
SWL0055	Merged MBFB/MBFC	Del Amo	SWL0055_20170911	9/11/2017 10:20	N	10 U
SWL0056	Merged MBFB/MBFC	Del Amo	SWL0056_20170908	9/8/2017 11:30	N	10 U
SWL0058	MBFC	Del Amo	SWL0058_20170912	9/12/2017 11:23	N	**1000**
SWL0063	Gage	Del Amo	SWL0063_20170913	9/13/2017 13:56	N	10 U
TMW_14	Water Table/MBFB	Boeing	TMW_14_20170906	9/6/2017 8:17	N	**55**
UBA-EW-1	Water Table/MBFB	Montrose	UBA-EW-1-20170517	5/17/2017 8:46	N	**280000**
UBA-EW-3	Water Table	Montrose	UBA-EW-3-20170518	5/18/2017 14:25	N	**11000**

Notes:
pCBSA = para-Chlorobenzene Sulfonic Acid
Bold Result = Result equal to or above lab reporting dection limit
ug/L = micrograms per liter

Laboratory-Assigned Qualifier:
U = Analyte not detected above the reporting limit
J = Estimated value. Analyte detected at a level less than the RL and greater than or equal to the MDL.
TGRS Extraction wells sampled May 2017

Table 6
Summary of QA/QC Sample Laboratory Results
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

					Key COC Analytical Results (µg/l)						
Sample Collected By	Location ID	Sample ID	Sample Type	Date	Benzene	Chlorobenzene	Chloroform	tert-Butyl Alcohol	Tetrachloroethene	Trichloroethene	pCBSA
Boeing	CMW026	CMW026_WG20170908_01	N	9/8/2017	0.29 J	1 U	1 U	25 U	1 U	1 U	--
Boeing	CMW026	CMW026_WG20170908_02	FD	9/8/2017	0.5 U	1 U	1 U	25 U	1 U	1 U	--
Boeing	EWB002	EWB002_WG20170906_01	N	9/6/2017	31	1 U	1 U	51	1 U	1 U	--
Boeing	EWB002	EWB002_WG20170906_02	FD	9/6/2017	31	1 U	1 U	47	1 U	0.25 J	--
Boeing	EWC001	EWC001_WG20170906_01	N	9/6/2017	13	1 U	1 U	25 U	1 U	20	--
Boeing	EWC001	EWC001_WG20170906_02	FD	9/6/2017	12	1 U	1 U	25 U	1 U	17	--
Boeing	Field QC	EB_AV20170906_03	EB	9/6/2017	0.5 U	1 U	1 U	25 U	1 U	1 U	--
Boeing	Field QC	EB_AV20170907_03	EB	9/7/2017	0.5 U	1 U	1 U	25 U	1 U	1 U	--
Boeing	Field QC	EB_AV20170908_03	EB	9/8/2017	0.5 U	1 U	1 U	25 U	1 U	1 U	--
Boeing	Field QC	TB_AV20170905_01	TB	9/5/2017	0.5 U	1 U	1 U	25 U	1 U	1 U	--
Boeing	Field QC	TB_AV20170906_01	TB	9/6/2017	0.5 U	1 U	1 U	25 U	1 U	1 U	--
Boeing	Field QC	TB_AV20170907_01	TB	9/7/2017	0.5 U	1 U	1 U	25 U	1 U	1 U	--
Boeing	Field QC	TB_AV20170908_01	TB	9/8/2017	0.5 U	1 U	1 U	25 U	1 U	1 U	--
Boeing	Field QC	TB_AV20170911_01	TB	9/11/2017	0.5 U	1 U	1 U	25 U	1 U	1 U	--
Boeing	MWB029	MWB029_WG20170906_01	N	9/6/2017	5 U	10 U	3000	250 U	140	110	--
Boeing	MWB029	MWB029_WG20170906_02	FD	9/6/2017	5 U	10 U	3000	250 U	130	110	--
Jones	Field QC	TB-1-20170905	TB	9/5/2017	0.50 U	1.0 U	1.0 U	--	1.0 U	1.0 U	--
Jones	JMWD-01	DUP-01-20170905	FD	9/5/2017	2.5 U	310	120	--	870	490	--
Jones	JMWD-01	JMWD-01-20170905	N	9/5/2017	2.5 U	310	130	--	950	520	--
Montrose	BF-09	BF-09_20170914	N	9/14/2017	130	110000 J	6000	2000 U	100 U	140	390000
Montrose	BF-09	BF-09_20170914_FD	FD	9/14/2017	120	99000	5800	2000 U	100 U	120	390000
Montrose	BF-15	BF-15_20170913	N	9/13/2017	7.2 J	4200 J	5.0 UJ	100 UJ	7.2 J	22 J	20000
Montrose	BF-15	BF-15_20170913_FD	FD	9/13/2017	7.1	4200	5.0 U	100 U	7.4	23	20000
Montrose	BF-35	BF-35_20170914	N	9/14/2017	5.0 U	2600	5.0 U	100 U	5.0 U	1300	18000
Montrose	BF-35	BF-35_20170914_FD	FD	9/14/2017	5.0 U	2700	5.0 U	100 U	5.0 U	1400	16000
Montrose	Field QC	EB_2017091101	EB	9/11/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	10 U
Montrose	Field QC	EB_2017091102	EB	9/11/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	10 U
Montrose	Field QC	EB_2017091201	EB	9/12/2017	0.50 U	0.50 U	0.50 U	17	0.50 U	0.50 U	10 U
Montrose	Field QC	EB_2017091202	EB	9/12/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	10 U
Montrose	Field QC	EB_20170913_01	EB	9/13/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	10 U
Montrose	Field QC	EB_20170913_02	EB	9/13/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	10 U
Montrose	Field QC	EB_20170914_01	EB	9/14/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	10 U
Montrose	Field QC	EB_20170914_02	EB	9/14/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	10 U
Montrose	Field QC	EB_20170914_03	EB	9/14/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	10 U
Montrose	Field QC	EB_20171109	EB	11/9/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	10 UJ
Montrose	Field QC	TB_2017091101	TB	9/11/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	--
Montrose	Field QC	TB_2017091102	TB	9/11/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	--
Montrose	Field QC	TB_2017091201	TB	9/12/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	--
Montrose	Field QC	TB_2017091202	TB	9/12/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	--
Montrose	Field QC	TB_20170913_01	TB	9/13/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	--
Montrose	Field QC	TB_20170913_02	TB	9/13/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	--
Montrose	Field QC	TB_20170914_01	TB	9/14/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	--
Montrose	Field QC	TB_20170914_02	TB	9/14/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	--
Montrose	Field QC	TB_20171109	TB	11/9/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	--
Montrose	G-12	G-12_20170914	N	9/14/2017	28	3800	5.0 U	100 U	5.0 U	5.0 U	30000
Montrose	G-12	G-12_20170914_FD	FD	9/14/2017	28	3700	5.0 U	100 U	5.0 U	5.0 U	30000
Montrose	G-33	G-33_20170913	N	9/13/2017	0.50 U	2	0.50 U	10 U	0.50 U	0.50 U	89
Montrose	G-33	G-33_20170913_FD	FD	9/13/2017	0.50 U	2	0.50 U	10 U	0.50 U	0.50 U	79
Montrose	LW-05	LW-05_20170914	N	9/14/2017	0.50 U	5	0.50 U	10 U	0.50 U	0.50 U	10 U
Montrose	LW-05	LW-05_20170914_FD	FD	9/14/2017	0.50 U	4.5	0.50 U	10 U	0.50 U	0.50 U	10 U
Montrose	MBFB-EW-1	MBFB-EW-1_20171109	N	11/9/2017	1600	11000	20 U	400 U	150	190	54000 *
Montrose	MBFB-EW-1	MBFB-EW-1_20171109_FD	FD	11/9/2017	1500	9600	20 U	400 U	120	160	56000
Montrose	MW-04	MW-04_20170914	N	9/14/2017	14	8000	240	200 U	140	950	16000
Montrose	MW-04	MW-04_20170914_FD	FD	9/14/2017	14	7600	240	200 U	130	930	16000
Montrose	MW-11	MW-11_20170913	N	9/13/2017	0.25 J	79	0.50 U	10 U	19	1.5	34
Montrose	MW-11	MW-11_20170913_FD	FD	9/13/2017	0.50 U	79	0.50 U	10 U	19	1.3	38
Montrose	MW-30	MW-30_20170913	N	9/13/2017	0.50 U	0.50 U	0.25 J	10 U	0.50 U	0.50 U	10 U
Montrose	MW-30	MW-30_20170913_FD	FD	9/13/2017	0.50 U	0.50 U	0.50 U	10 U	0.50 U	0.50 U	10 U

Table 6
Summary of QA/QC Sample Laboratory Results
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

					Key COC Analytical Results (µg/l)						
Sample Collected By	Location ID	Sample ID	Sample Type	Date	Benzene	Chlorobenzene	Chloroform	tert-Butyl Alcohol	Tetrachloroethene	Trichloroethene	pCBSA
Montrose	BF-OW-1	BF-OW-01_20170911	N	9/11/2017	--	--	--	--	--	--	690
Montrose	BF-OW-1	BF-OW-0100_20170911	FD	9/11/2017	--	--	--	--	--	--	750
Montrose	CMW002	CMW002_20170906	N	9/6/2017	--	--	--	--	--	--	57000
Montrose	CMW002	CMW00200_20170906	FD	9/6/2017	--	--	--	--	--	--	58000
Montrose	MW-28	MW-28_20170912	N	9/12/2017	--	--	--	--	--	--	10 U
Montrose	MW-28	MW-2800_20170912	FD	9/12/2017	--	--	--	--	--	--	10 U
ILM	BF-20	BF-20-FD-17Q3	FD	9/11/2017	5.0 U	1600	10 U	--	10 U	110	--
ILM	BF-20	BF-20-N-17Q3	N	9/11/2017	5.0 U	1600	10 U	--	10 U	110	--
ILM	Field QC	LEB-20170911-BP-JC	EB	9/11/2017	0.50 U	1.0 U	1.0 U	--	1.0 U	1.0 U	--
ILM	Field QC	LEB-20170911-BP-RS	EB	9/11/2017	0.50 U	1.0 U	1.0 U	--	1.0 U	1.0 U	--
ILM	Field QC	LTB-083117	TB	8/31/2017	0.50 U	1.0 U	1.0 U	--	1.0 U	1.0 U	--
ILM	Field QC	LTB-20170911	TB	9/11/2017	0.50 U	1.0 U	1.0 U	--	1.0 U	1.0 U	--
ILM	ILM__P-12B	P-12B-FD-17Q3	FD	9/6/2017	0.50 U	1.0 U	1.0 U	--	1.0 U	2.8	--
ILM	ILM__P-12B	P-12B-N-17Q3	N	9/6/2017	0.50 U	1.0 U	1.0 U	--	1.0 U	3.4	--
ILM	ILM__P-16A	P-16A-FD-17Q3	FD	9/1/2017	1.0 U	2.0 U	2.2	--	17	390	--
ILM	ILM__P-16A	P-16A-N-17Q3	N	9/1/2017	1.0 U	2.0 U	2	--	14	330	--
ILM	ILM__P-26A	P-26A-FD-17Q3	FD	9/1/2017	5.0 U	10 U	5.5 J	--	410	1200	--
ILM	ILM__P-26A	P-26A-N-17Q3	N	9/1/2017	5.0 U	10 U	5.5 J	--	340	1000	--
Del Amo	BF-06	GWS02800	N	9/14/2017	12	3300	1.0 U	--	0.91 J	0.90 J	--
Del Amo	BF-06	GWS02803	FD	9/14/2017	13	3300	1.0 U	--	0.85 J	0.78 J	--
Del Amo	Field QC	FBS02195	EB	9/7/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02196	EB	9/7/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02197	EB	9/7/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02198	EB	9/8/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02199	EB	9/8/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02201	EB	9/14/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02202	EB	9/13/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02203	EB	9/12/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02204	EB	9/12/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02205	EB	9/12/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02206	EB	9/11/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02207	EB	9/11/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02208	EB	9/11/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02209	EB	9/8/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02210	EB	9/13/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02211	EB	9/13/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02212	EB	9/14/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02213	EB	9/14/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02220	TB	9/7/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02221	TB	9/7/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02222	TB	9/7/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02223	TB	9/8/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02224	TB	9/8/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02225	TB	9/8/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02226	TB	9/11/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02227	TB	9/11/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02228	TB	9/12/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02229	TB	9/12/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02230	TB	9/11/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02231	TB	9/12/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02232	TB	9/13/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02233	TB	9/13/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02234	TB	9/13/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02236	TB	9/14/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02237	TB	9/14/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	Field QC	FBS02238	TB	9/14/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	G-01WC	GWS02773	N	9/8/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	G-01WC	GWS02812	FD	9/8/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--

Table 6
Summary of QA/QC Sample Laboratory Results
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

					Key COC Analytical Results (µg/l)						
Sample Collected By	Location ID	Sample ID	Sample Type	Date	Benzene	Chlorobenzene	Chloroform	tert-Butyl Alcohol	Tetrachloroethene	Trichloroethene	pCBSA
Del Amo	MW-04HD	GWS02759	N	9/14/2017	280000	2000 U	2000 U	20000 U	2000 U	2000 U	--
Del Amo	MW-04HD	GWS02804	FD	9/14/2017	300000	2000 U	2000 U	20000 U	2000 U	2000 U	--
Del Amo	MW-27	GWS02797	N	9/7/2017	0.50 U	1.0 U	1.0 U	--	1.6	18	--
Del Amo	MW-27	GWS02814	FD	9/7/2017	0.50 U	1.0 U	1.0 U	10 U	1.5	17	--
Del Amo	SWL0017	GWS02743	N	9/8/2017	0.50 U	1.0 U	1.0 U	--	1.0 U	1.0 U	--
Del Amo	SWL0017	GWS02805	FD	9/8/2017	0.50 U	1.0 U	1.0 U	--	1.0 U	1.0 U	--
Del Amo	SWL0021	GWS02744	N	9/13/2017	0.47 J	13	1.0 U	1700	1.0 U	1.5	--
Del Amo	SWL0021	GWS02806	FD	9/13/2017	0.53	13	1.0 U	1700	1.0 U	1.5	--
Del Amo	SWL0041	GWS02766	N	9/12/2017	0.66	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	SWL0041	GWS02807	FD	9/12/2017	0.58	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	SWL0042	GWS02748	N	9/12/2017	3	1.1	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	SWL0042	GWS02808	FD	9/12/2017	3.1	1.1	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	SWL0050	GWS02769	N	9/12/2017	57000	100 U	100 U	--	100 U	100 U	--
Del Amo	SWL0050	GWS02809	FD	9/12/2017	44000	100 U	100 U	--	100 U	100 U	--
Del Amo	SWL0065	GWS02789	N	9/13/2017	0.28 J	1.0 U	1.0 U	--	1.0 U	1.0 U	--
Del Amo	SWL0065	GWS02810	FD	9/13/2017	0.34 J	1.0 U	1.0 U	--	1.0 U	1.0 U	--
Del Amo	XP-03	GWS02776	N	9/7/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--
Del Amo	XP-03	GWS02811	FD	9/7/2017	0.50 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	--

Notes:
ug/L = micrograms per liter

Sample Types:
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
N = Normal (parent sample of Field Duplicate)

Laboratory-Assigned Qualifier:
U = Analyte not detected above the reporting limit.
J = Estimated value.

FIGURES

Figure 1

Site Location Map

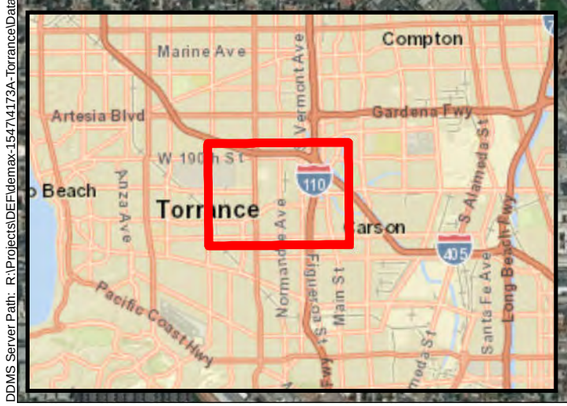
Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR
Plot Date: 2/6/2018

Key Dual Site OU Facilities

- Montrose
- Del Amo
- Former Boeing Corp
- International Light Metals
- Jones Chemical
- Trico/PACCAR
- Amoco Chemical
- Other Facility as Labeled

Honeywell
PBF Energy
Toyota Motor Sales USA
International Light Metals
Boeing
Amoco Chemical
Trico/ PACCAR
Del Amo
Penske Truck Leasing
Capitol Metals
Allied Signal
Allied Signal
Sav-Mor
Montrose
Jones
Virco Manufacturing Group
American Honda
Farmer Brothers
Former Gardena Valley Landfill 4
Gardena Valley Landfill 1&2
Cal Compact Landfill
ECI
Armco
Armco
Mobile Service Station
Golden Eagle Refinery
Gardena Valley Landfill 5
Allan's Arco
Arco Service Station 5108
Unocal Service Station 2529
United Oil Station 55



N

0 600 1,200 Feet

1 inch = 1,216 feet

Basemap Source: ESRI, 2016

Figure generated by ddms

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig01_SiteLocation.mxd

Low Density Residential
Metrorail Parking
Parking
Office/ Commercial
Industrial
405
Retail
Office/ Light Industrial
190th St.
Wal Mart Center (Retail)
Vermont Ave.
Industrial/Office
Church
Knox St.
Sun Rider International (Freight)
Normandie Ave.
Mixed Industrial/Commercial/Office
Business Park
Hamilton Ave.
Government
Retail
110
Industrial
Francisco St.
Freight
Montrose Property
Jones Chemical
Retail
Figueroa St.
Auto Auction
LADWP Corridor
Former Waste Pits
Nursery
Farmer Bros. Coffee
Del Amo Blvd.
Vacant
Storage
Truck Yard
Storage
Industrial/Commercial
Apartments
Condos
Low Density Residential
Retail/ Swapmeet
Vacant
Freight
Church/Retail
Torrance Blvd.

N

0 300 600 Feet

1 inch = 600 feet

Parcel Source:Mapping & GIS Services, Office of the Assessor, Los Angeles County, July 7, 2016.
Image Source: NAIP 2016 (July 7) ArcGIS Image Service, https://map.dfg.ca.gov/ArcGIS/services.

Figure 2

Del Amo Site Parcels and Land Use

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

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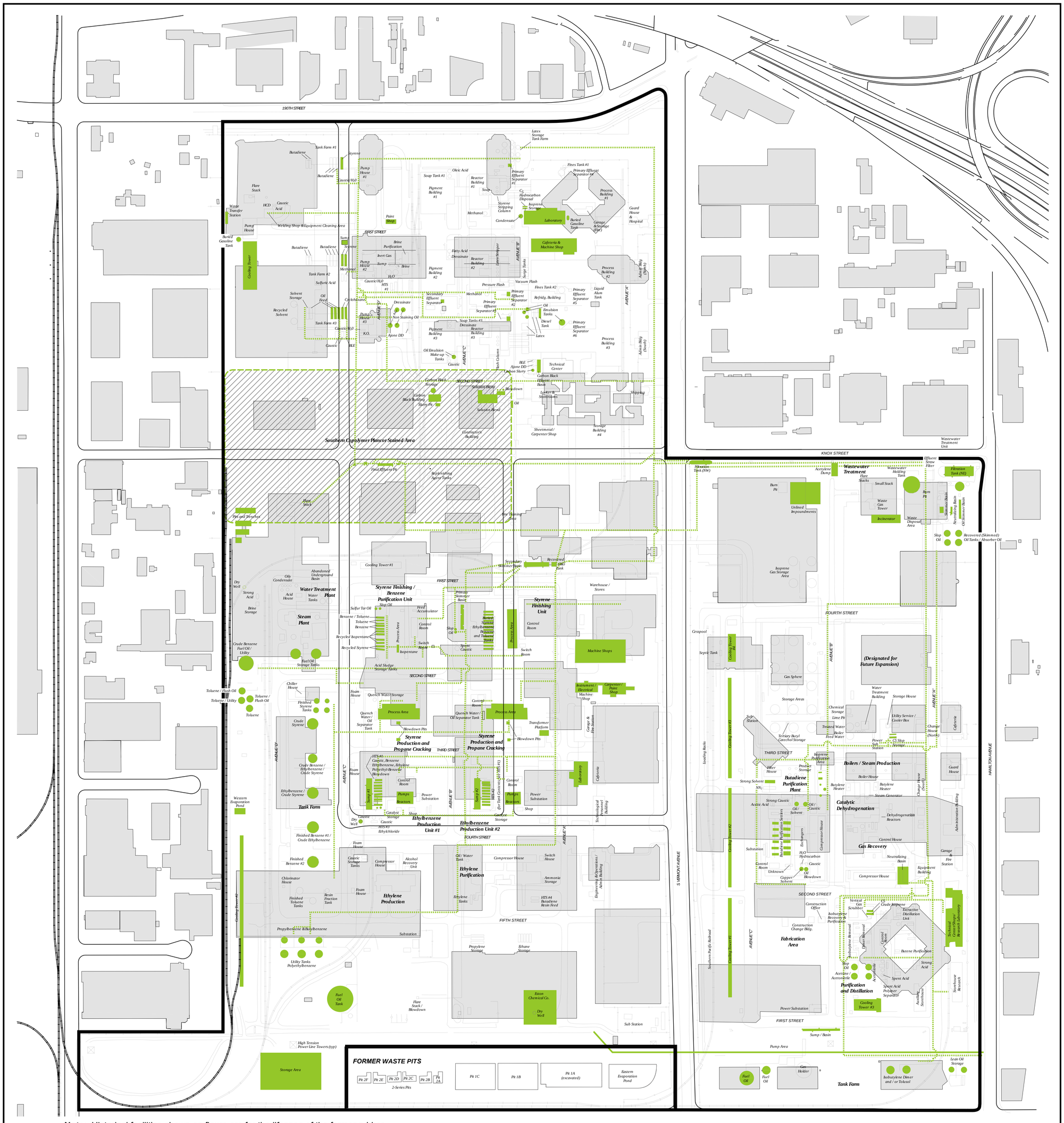


Note: Historical facilities shown on figure are for the lifespan of the former rubber plant and therefore may not be entirely accurate for any single point in time

Legend

- Current building
- Historical synthetic rubber plant facility and identification
- Historical facilities and features evaluated as part of the Remedial Investigation
- Underground benzene feedstock pipeline
- Underground pipeline or trench that potentially contained dilute VOC solutions

N

0 200 400 600 800

Scale in Feet

Scale: 1 inch = 200 feet

Figure 3

Del Amo Site Current and Historical Facilities

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

T\Ladd\DelAmo\994-318 11-2-95 Rev11-06

Figure 4

Torrance Groundwater Remediation System Infrastructure Map

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR
Plot Date: 1/16/2018

TGRS Extraction Wells

- Water Table
- Water Table / MBFB
- MBFB Merged MBFC
- MBFC
- Gage

TGRS Injection Wells

- Gage

- Extraction Piping
- Injection Piping
- Treatment Plant
- Facility as Labeled

N

0 360 720 Feet

1 inch = 700 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

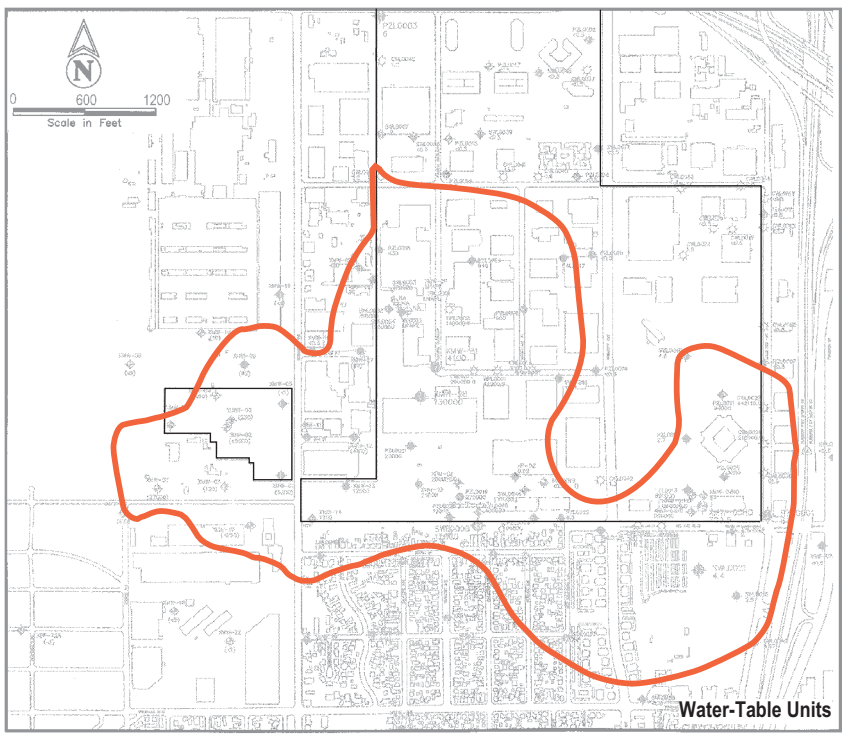
DDMS Server Path: R:\Projects\DEF\demax-154714173A-Torrance\Data\Analysis\GISData\Projects\MACR\2017 Baseline\Fig09_TGRS.mxd

Figure 5

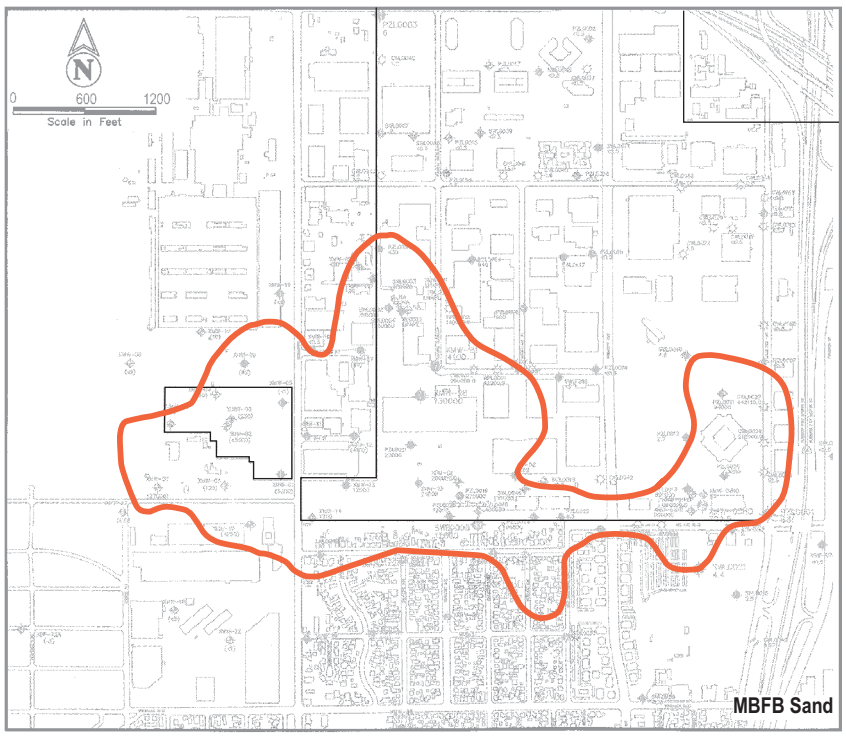
TI Waiver / Containment Zone

Dual Site Groundwater Operable Unit
Los Angeles, California

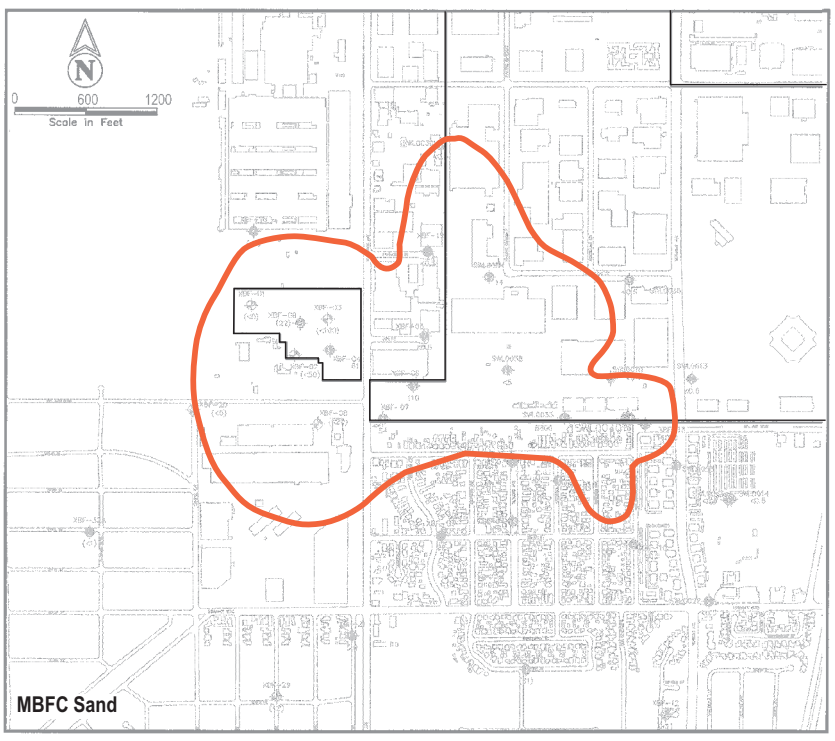
2017 Baseline MACR



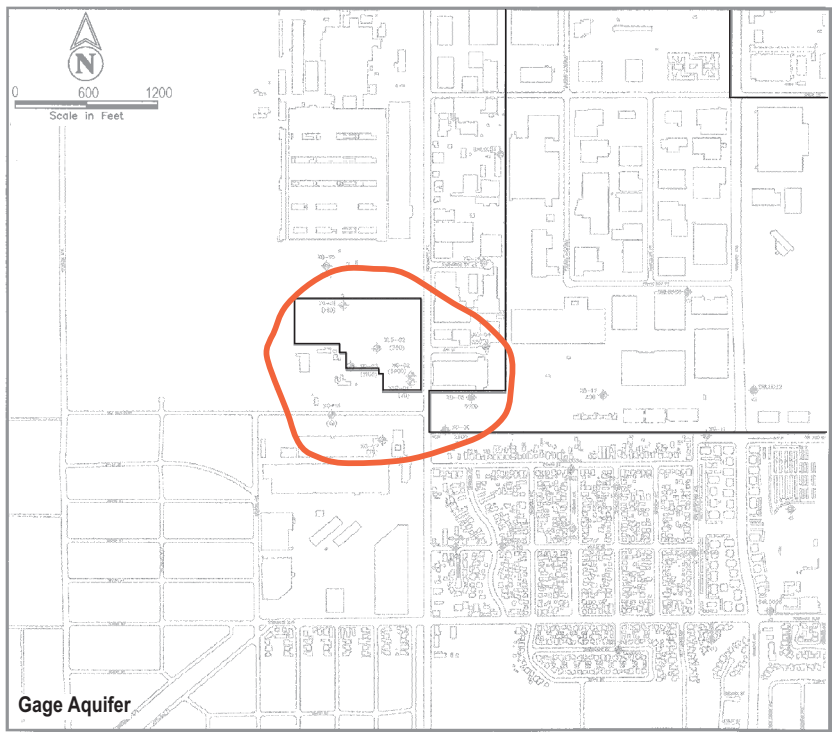
Water-Table Units (UBF & MBFB)



MBFB Sand*

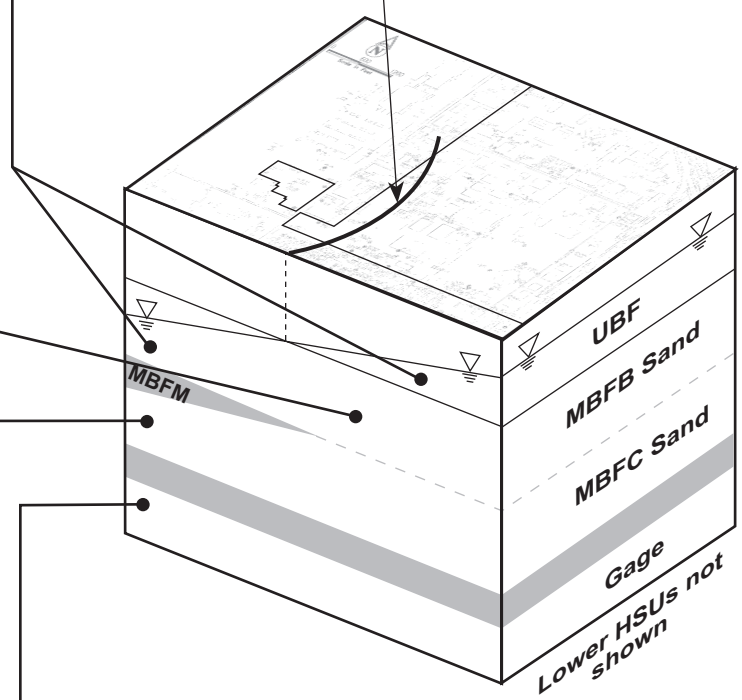


MBFC Sand



Gage

Approximate location of demarcation line, where Water Table crosses the contact between UBF and MBFB Sand.



* MBFB Sand is a water-table unit west of the demarcation line and is a confined aquifer east of the demarcation line (See Section 2 of the JGWFS)

Source: USEPA, 1999

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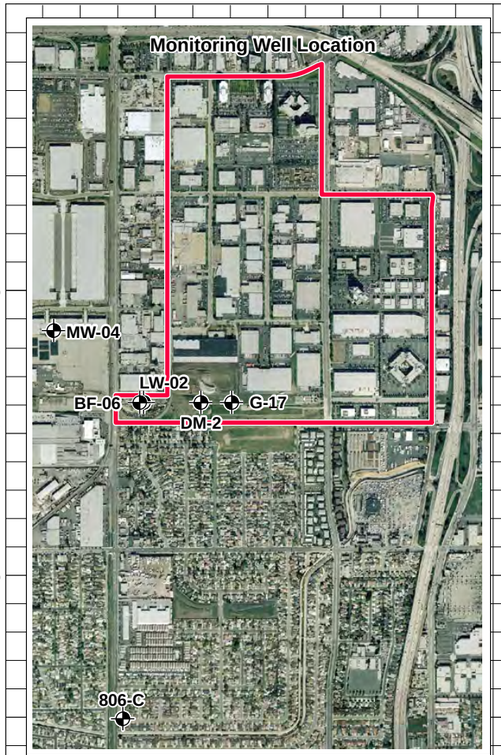
Figure 6

Regional Physiography and Groundwater Basins

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

V:\Projects_Proj\Shell\Del Amo\900 GIS\907 - Illustrator\2018.1.4_Hydrograph



GROUNDWATER LEVEL ELEVATION (feet msl)

GROUNDWATER LEVEL ELEVATION (feet msl NAVD 88)

-5
-10
-15
-20
-25
-30
-35
-40
-45

Jan 1956
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015

West Coast Basin Adjudication 1961

MW-04 (Water Table/MBFB)
BF-06 (MBFC)
DM-2 (Water Table/MBFB)
G-17 (Gage Aquifer)
806-C (Gage Aquifer)
LW-02 (Lynwood Aquifer)

FIGURE 7

Hydrographs

Dual Site Groundwater Operable Unit
Los Angeles, California

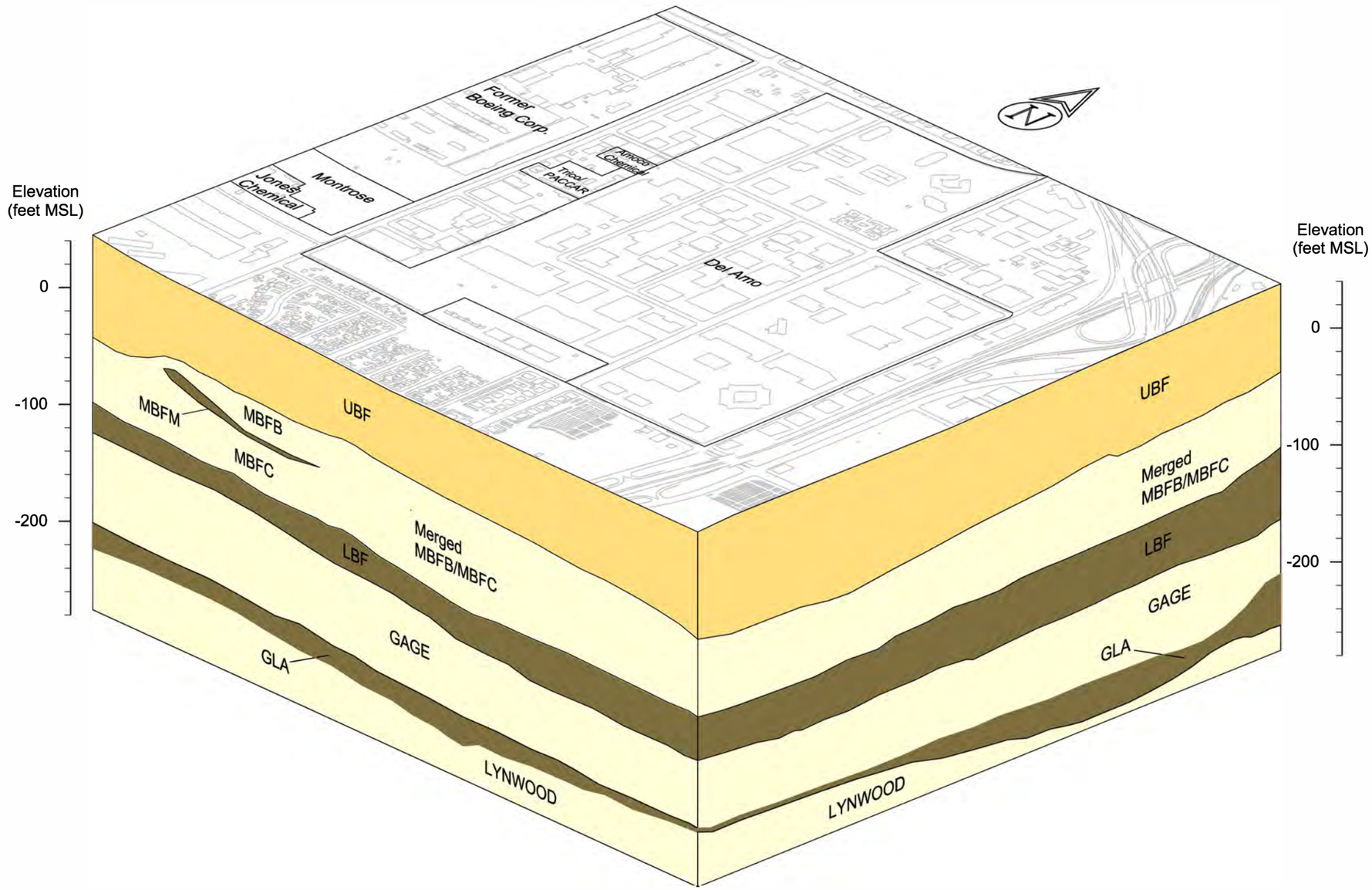
2017 Baseline MACR

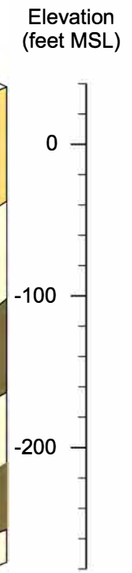
Figure 8

Hydrostratigraphic Block Diagram

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR





EXPLANATION

UBF: Upper Bellflower Aquitard

MBFB: Middle Bellflower B Sand

MBFM: Middle Bellflower Mud

MBFC: Middle Bellflower C Sand

LBF: Lower Bellflower Aquitard

Gage: Gage Aquifer

GLA: Gage-Lynwood Aquitard

Lynwood: Lynwood Aquifer

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Figure 9

Potential Groundwater Contamination Sources

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

Approximate area of non-aqueous phase liquid (NAPL)

Note:
The NAPL area shown at Source 15, 16 and 17 was obtained from the Dames & Moore, Groundwater Remedial Investigation Report, Del Amo Study Area, May 15, 1998.

The NAPL area shown at Source 25 was obtained from the AECOM, Refinery Subsurface Cleanup Progress Report – First Semester 2017 and Soil Vapor and Groundwater Monitoring April through June, 2017 at Del Amo, Torrance Refining Company LLC., Torrance Refinery, Torrance, California, July 14, 2017.

The NAPL area shown at Source 38 was obtained from the Amec Foster Wheeler Environment & Infrastructure, Inc., Light Non-Aqueous Phase Liquid Investigation Report, Honeywell Site A, Torrance, California, November 16, 2015.

Source	Facility	Principal Groundwater COCs	NAPL Present ?
1	Del Amo	B	yes
2	Del Amo	B,E	no
3	Del Amo	B,E	no
4	Del Amo	B,E	yes
5	Del Amo	B,E	no
6	Del Amo	B,E	no
7	Del Amo	B,toluene	no
8	Del Amo	BTEX, naphthalene	yes
9	Del Amo	BTEX, styrene	yes
10	Del Amo	B	yes
11	Montrose	Chlorobenzene, p-CBSA	yes
12	Stauffer	B	no
13	Jones Chemical	TCE, PCE	no
14	Jones Chemical	TCE, PCE, B	no
15	Petroleum pipelines	BTEX	yes
16	Petroleum pipelines	B, naphthalene	yes
17	Petroleum pipelines	unknown	yes
18	ILM	TCE	no
19	ILM/McDonnell Douglas	TCE	no
20	ILM	TCE, PCE	no

Source	Facility	Principal Groundwater COCs	NAPL Present ?
21	McDonnell Douglas/Boeing	1,1-DCE, B, TCE, 1,1,1-TCA	no
22	Amoco/APC	TCE, PCE, chloroform	no
23	PACCAR	1,1-DCA, TCE, PCE	no
24	Unknown	BTEX, TCE, 1,2-DCA	no
25	PBF Energy	BTEX	yes
26	Allied Signal	1,1-DCE, 1,1-DCA, 1,1,1-TCA, benzene	no
27	Azko	T	no
28	Armco	BTEX	no
29	Penske Truck Leasing	B	no
30	Gardena Valley Landfill	B, TCE, PCE	no
31	Southwest Conservation Landfill	PCE, TCE, 1,1-DCA	no
32	Golden Eagle Refinery	BTEX	no
33	Golden Eagle Refinery	BTEX	no
34	Cal Compact Landfill	vinyl chloride, cis-1,2-DCE, TCE, PCE	no
35	Cal Compact Landfill	BTEX	no
36	Alpine Village TExaco	TPH-gas, B, MTBE, TBA	no
37	Mobil #18	TPH-gas, B, T, E, MTBE, TBA	no
38	Honeywell	PCE, TCE, Vinyl chloride, 1,1-DCA, 1,1-DCE, 1,1,1-TCA, 1,4-dioxane	yes

Chemical Abbreviations
B Benzene
T Toluene
E Ethylbenzene
X Xylenes
1, 1-DCA 1,1-Dichloroethane
1, 1-DCE 1,1-Dichloroethene
TCE Trichloroethene
1,1,1-TCA 1,1,1-Trichloroethane
PCE Tetrachloroethene

Notes:
1) Due to an incomplete knowledge of the ownership and operational histories at some properties, the facilities identified on the figure may not in every case correspond with the responsible party, and the current status of groundwater investigations at some facilities is unknown.
2) Information provided on this figure was obtained from the Dames & Moore, Final Groundwater Remedial Investigation Report, Del Amo Study Area, May 15, 1998.

Basemap Source: ESRI, 2016

N

0 600 1,200 Feet

1 inch = 1,200 feet

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Water Table wells with Submerged Screens			
Del Amo	**Montrose**	**Boeing**	**ILM**
GW-07A	BF-32A	AW0051UB	BL-10A
MW-01HD	MBFB-EW-1	AW0055UB	BL-11A
MW-02HD	MBFB-OW-1	AW0074UB	BL-12A
MW-03HD	MW-01	EWB002	BL-9A
MW-04HD	MW-02	EWB003	P-1
PZL0001	MW-03	IRZMW001A	P-12
PZL0006	MW-04	IRZMW001B	P-16A
PZL0007	MW-05	IRZMW004	P-17
PZL0009	MW-06	IRZMW005	P-2
PZL0010	MW-07	IWB001	P-22
PZL0011	MW-08	IWB002	P-27A
PZL0013	MW-09	MWB0005	P-5
PZL0014	MW-10	MWB003	P-7
PZL0016	MW-11	MWB006	
PZL0018	MW-12	MWB007	
PZL0020	MW-13	MWB012	
SWL0001	MW-14	MWB013	
SWL0002	MW-17	MWB014	
SWL0003	MW-19	MWB019	
SWL0004	MW-20	MWB020	
SWL0005	MW-21	MWB027	
SWL0006	MW-22	MWB028	
SWL0007	MW-23	TMW_04	
SWL0008	MW-24	TMW_06	
SWL0009	MW-25	TMW_07	
SWL0015	MW-26	TMW_08	
SWL0017	MW-27	TMW_10	
SWL0021	MW-28	TMW_11	
SWL0024	MW-29	WCC_03S	
SWL0028	MW-30	WCC_04S	
SWL0038	MW-31	WCC_05S	
SWL0042	UBA-EW-1	WCC_07S	
SWL0044	UBA-EW-3	WCC_12S	
SWL0046	UBE-01		
SWL0049	UBE-02		
SWL0057	UBE-03		
XP-02	UBE-04		
	UBE-05		
	UBT-01		
	UBT-03		

Note: Some water table wells at Del Amo have screen intervals that are currently submerged. Screen intervals for these wells were targeted to address areas of highest contaminant concentration. Data from these wells are representative and appropriate for use in MACR analyses.
Well MW-21, which has a submerged screen, is proposed for replacement, pending USEPA approval.

Figure 10

Groundwater Elevation Water Table

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Groundwater Elevation Contour
- Groundwater depression near extraction wells. All contours may not be shown.
- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- NM (Not Measured; corresponding well symbol is dark gray)
- TGRS Extraction Well
- Boeing Extraction Well
- Facility as Labeled

Notes:
1) Groundwater elevations in feet Mean Sea Level (MSL)
2) BF-32A is screened from the Water Table to the MBFC
3) * = Value not used for ground-water elevation contour

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

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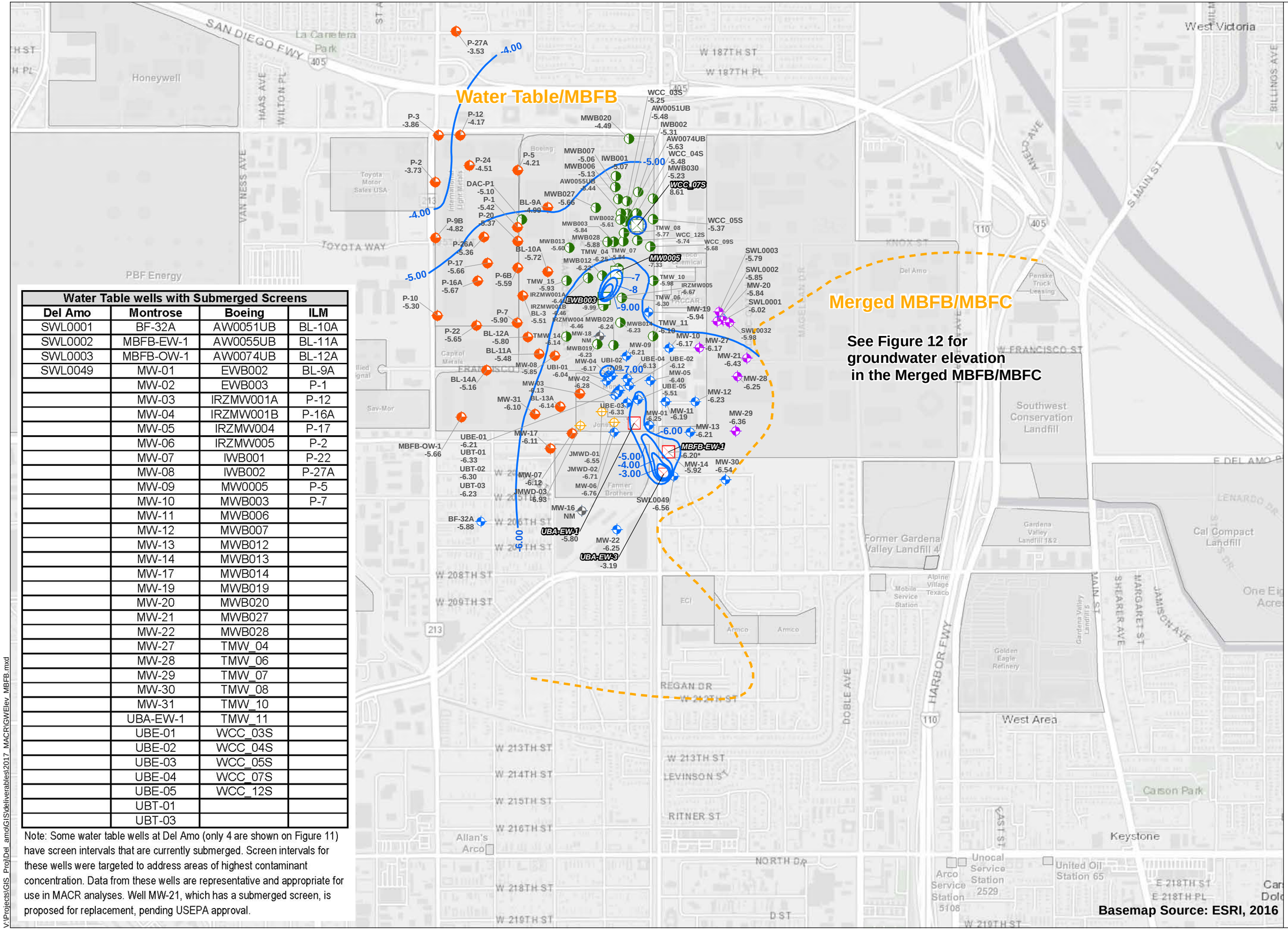
Figure 11

Groundwater Elevation MBFB

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR



Water Table wells with Submerged Screens			
Del Amo	**Montrose**	**Boeing**	**ILM**
SWL0001	BF-32A	AW0051UB	BL-10A
SWL0002	MBFB-EW-1	AW0055UB	BL-11A
SWL0003	MBFB-OW-1	AW0074UB	BL-12A
SWL0049	MW-01	EWB002	BL-9A
	MW-02	EWB003	P-1
	MW-03	IRZMW001A	P-12
	MW-04	IRZMW001B	P-16A
	MW-05	IRZMW004	P-17
	MW-06	IRZMW005	P-2
	MW-07	IWB001	P-22
	MW-08	IWB002	P-27A
	MW-09	MW0005	P-5
	MW-10	MWB003	P-7
	MW-11	MWB006	
	MW-12	MWB007	
	MW-13	MWB012	
	MW-14	MWB013	
	MW-17	MWB014	
	MW-19	MWB019	
	MW-20	MWB020	
	MW-21	MWB027	
	MW-22	MWB028	
	MW-27	TMW_04	
	MW-28	TMW_06	
	MW-29	TMW_07	
	MW-30	TMW_08	
	MW-31	TMW_10	
	UBA-EW-1	TMW_11	
	UBE-01	WCC_03S	
	UBE-02	WCC_04S	
	UBE-03	WCC_05S	
	UBE-04	WCC_07S	
	UBE-05	WCC_12S	
	UBT-01		
	UBT-03		

Note: Some water table wells at Del Amo (only 4 are shown on Figure 11) have screen intervals that are currently submerged. Screen intervals for these wells were targeted to address areas of highest contaminant concentration. Data from these wells are representative and appropriate for use in MACR analyses. Well MW-21, which has a submerged screen, is proposed for replacement, pending USEPA approval.

Basemap Source: ESRI, 2016

Groundwater Elevation Contour

Groundwater depression near extraction wells. All contours may not be shown.

Demarcation line designating eastern limit of the MBFM that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the Merged MBFB/MBFC.

- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- NM (Not Measured; corresponding well symbol is dark gray)
- TGRS Extraction Well
- Boeing Extraction Well
- Facility as Labeled

Notes:
1) Groundwater elevations in feet Mean Sea Level (MSL)
2) * = Value not used for groundwater elevation contour

N

0 600 1,200 Feet

1 inch = 1,200 feet

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Figure 12

Groundwater Elevation MBFC/ Merged MBFB/MBFC

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Groundwater Elevation Contour
- Groundwater depression near extraction wells. All contours may not be shown.
- Demarcation line designating eastern limit of the MBFM that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the Merged MBFB/MBFC.

- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- NM (Not Measured; corresponding well symbol is dark gray)
- TGRS Extraction Well
- Boeing Extraction Well
- Facility as Labeled

Notes:
1) Groundwater elevations in feet Mean Sea Level (MSL)
2) * = Value not used for groundwater elevation contour

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

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Figure 13

Groundwater Elevation Gage Aquifer

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Groundwater Elevation Contour (dashed where inferred)
- Groundwater depression near extraction wells. All contours may not be shown.

- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- Honeywell Well
- PBF Well
- NM (Not Measured; corresponding well symbol is dark gray)
- TGRS Extraction Well
- Boeing Extraction Well
- TGRS Injection Well
- Facility as Labeled

Notes:
1) Groundwater elevations in feet Mean Sea Level (MSL)
2) See Figure 13a which includes well labels and Groundwater elevations for the PBF Site

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

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Figure 13a

Groundwater Elevation Gage Aquifer (Detail of PBF Site)

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

PBF Energy

Allied Signal

Allied Signal

Virco Manufacturing Group

American Honda

Sav-Mor

W 190TH ST

W 205TH ST

W 208TH ST

DEL AMO BLVD

TOYOTA WAY

HARPERS WAY

VISITORS CIR

TORRANCE BLVD

VAN NESS AVE

GRAMERCY PL

BEECH AVE

SARTORI AVE

BORDER AVE

CRAVENS AVE

PORTOLA AVE

TECH WAY

HIGGINS CT

MANHATTAN PL

PBF-I-02R -2.88
PBF-I-03R -3.77
PBF-A-22R 0.74
PBF-A-18R 0.74
PBF-A-20R 0.56
PBF-R-15 -4.42
PBF-XIII-29R -2.17
PBF-XIII-26R -2.06
PBF-XIII-33R 0.15
PBF-XIII-07R 2.35*
PBF-XIII-27R -1.71
PBF-XIII-35R -0.42
PBF-XIII-36R -0.12
PBF-XIII-37R -0.52
PBF-XIII-38R 0.49
PBF-TFL-01 -5.12
PBF-III-04R -5.30
PBF-III-06R -3.76
PBF-III-27R -4.76
PBF-III-28R -5.20*
PBF-III-25R -4.94
PBF-X247-90 -5.31
PBF-X247-89 -5.31
PBF-XIII-41R -5.39
PBF-TFL-03 -5.83
PBF-EW-05R -4.19*
PBF-II-03R -6.43
PBF-EW-05 -21.12*
PBF-URS-03 -5.16
PBF-XIII-03R -4.34
PBF-XIII-04R -3.96
PBF-PZ-400 -3.87
PBF-TV-01 -4.37
PBF-TV-02 -4.38
PBF-TV-04 -4.28
PBF-ESB-05D -4.58
PBF-XIII-40R -4.70
PBF-XIII-21R -5.89
PBF-ESB-11D -5.54
PBF-III-21R -5.90*
PBF-URS-01 -6.13
PBF-XIII-12R -3.45*
PBF-XIII-20R -6.25
PBF-III-26R -5.93*
PBF-XIII-05R -5.75*
PBF-III-13R -2.73
PBF-II-04RC -4.00*
PBF-XIII-39R -4.18
PBF-XIII-17R -2.30*
PBF-XIII-01R -4.24
PBF-XIII-02R -4.74
PBF-III-20R -5.47
PBF-ESB-10D -5.52
PBF-XIII-24R -6.45
PBF-II-04R -4.38
PBF-RW-01 -4.05
PBF-II-04RB -4.37
PBF-XIII-19R -6.56*
PBF-XIII-16R -2.65*
PBF-XIII-11R -3.21*
PBF-III-07R -6.39
PBF-XIII-42R -7.41*
PBF-EW-04 -11.37*
PBF-URS-02 -5.88
PBF-II-04RA -4.52
PBF-III-16R -4.53
PBF-III-12R -5.25
PBF-XIII-10R -2.69*
PBF-XIII-08R -4.04*
PBF-XIII-30R -6.74
PBF-III-11R NM
PBF-XIII-13R -4.11*
PBF-XIII-14R -3.52*
PBF-EW-03 -13.03*
PBF-EW-02 -24.94*
PBF-XIII-22R -4.50
PBF-XIII-18R -2.29*
PBF-RW-03 -4.87
PBF-XIII-15R -4.38*
PBF-XIII-31R -6.53
PBF-PZ-01 -6.10
PBF-XIII-23R -4.47
PBF-RW-02 -4.71
PBF-OW-01 -5.79
PBF-XIII-09R -4.16*
PBF-III-08R -6.20
PBF-III-22R -4.73
PBF-PZ-200 -6.01
PBF-EW-01R -6.56*
PBF-III-09R -4.30
PBF-III-15R -5.10
PBF-I-04R -6.00
PBF-EW-02R -4.41*
PBF-III-10R -3.53
PBF-EW-01 -25.54*
PBF-XIII-32R -4.64
PBF-III-23R -4.85
PBF-PW-01 -5.97
PBF-III-14R -4.65
PBF-IV-01R -4.23
PBF-IV-02R -4.36
PBF-IV-03R -4.84
PBF-IX-01R NM
PBF-IX-02R NM
PBF-V-04R -5.29
PBF-VII-02R -5.36
PBF-VII-01R -5.33
PBF-VI-02R -5.45
PBF-V-08R -3.12
PBF-V-07R -3.70
PBF-VIII-01R -5.26
PBF-VII-09R -5.40
PBF-VI-03R -5.33
PBF-IX-03R -5.12
PBF-V-05R -5.34
PBF-V-06R -5.05
PBF-IX-04R -5.06
PBF-EW-06 NM
PBF-VIII-02R -5.14
PBF-VI-04R -5.20
PBF-VII-08R -4.33
PBF-VII-05R -5.37
PBF-VII-04R -5.11
PBF-VII-03R -4.90
PBF-VI-06R -5.33
PBF-MW-08 -4.92
PBF-VI-05R -4.32
PBF-IX-06R -4.48
PBF-ATT-02 -5.33
PBF-ATT-04 -4.37*
PBF-IX-05R -4.65
PBF-VII-06R -4.72
PBF-EW-07 -5.07*
PBF-MW-07 -5.02*
PBF-X-01R -4.09
PBF-MW-12 -5.01*
PBF-MW-05 -4.62
PBF-MW-13 -3.32*
PBF-ATT-03 -3.79*
PBF-MW-02 -5.09
PBF-MW-10 -4.88
PBF-MW-09 -5.34
PBF-MW-11 -4.96
PBF-MW-01 -5.01
PBF-MW-14 -5.30
PBF-X-02R -4.64
PBF-MW-15 -5.25
PBF-MW-16 -5.28
PBF-X-06R -5.20
PBF-X-05R -5.78
PBF-X-04R -5.44
PBF-X-03R -5.09

-3.00
-4.00
-5.00
-6.00
0.00
-1.00
-2.00

Groundwater Elevation Contour (dashed where inferred)

Groundwater depression near extraction wells. All contours may not be shown.

PBF Well

Facility as Labeled

Notes:

1) Groundwater elevations in wells containing NAPL were corrected. See Groundwater and NAPL thickness in Table 3. Further information regarding corrected values can be found in the Torrance Refinery progress reports.
2) Groundwater elevations in feet Mean Sea Level (MSL)
3) NM – Not measured
4) * = Value not used for groundwater elevation contour

N

0 250 500 Feet

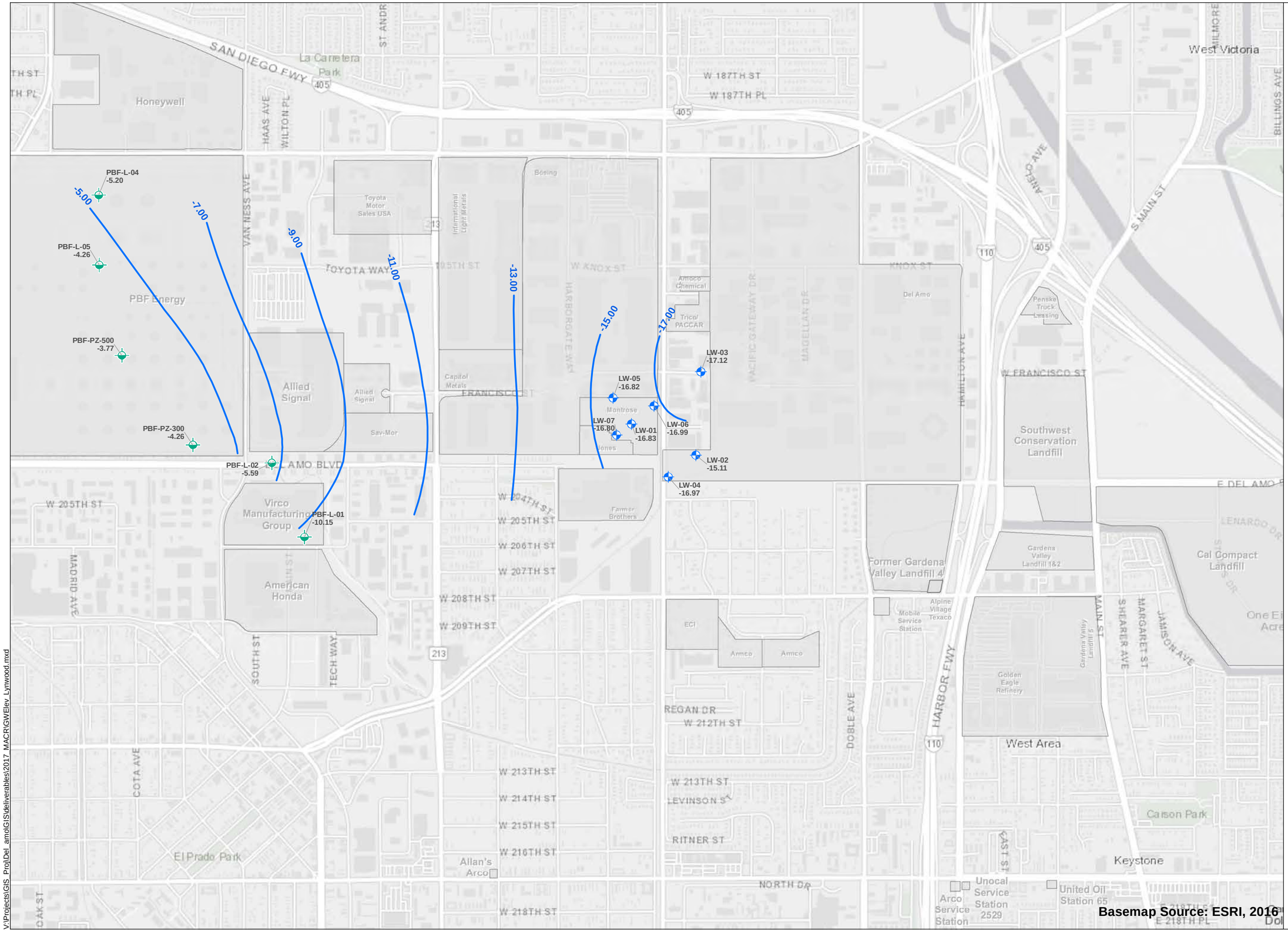
1 inch = 500 feet

Figure 14

Groundwater Elevation Lynwood Aquifer

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR



Notes:
1) Groundwater elevations in feet Mean Seal Level (MSL)

Groundwater Elevation Contour
Montrose Well
Del Amo Well
Boeing Well
ILM Well
Jones Well
PBF Well
Facility as Labeled

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

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Figure 15

Dissolved Chlorobenzene Distribution Water Table

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

Water Table wells with Submerged Screens			
Del Amo	**Montrose**	**Boeing**	**ILM**
GW-07A	BF-32A	AW0051UB	BL-10A
MW-01HD	MBFB-EW-1	AW0055UB	BL-11A
MW-02HD	MBFB-OW-1	AW0074UB	BL-12A
MW-03HD	MW-01	EWB002	BL-9A
MW-04HD	MW-02	EWB003	P-1
PZL0001	MW-03	IRZMW001A	P-12
PZL0006	MW-04	IRZMW001B	P-16A
PZL0007	MW-05	IRZMW004	P-17
PZL0009	MW-06	IRZMW005	P-2
PZL0010	MW-07	IWB001	P-22
PZL0011	MW-08	IWB002	P-27A
PZL0013	MW-09	MW0005	P-5
PZL0014	MW-10	MWB003	P-7
PZL0016	MW-11	MWB006	
PZL0018	MW-12	MWB007	
PZL0020	MW-13	MWB012	
SWL0001	MW-14	MWB013	
SWL0002	MW-17	MWB014	
SWL0003	MW-19	MWB019	
SWL0004	MW-20	MWB020	
SWL0005	MW-21	MWB027	
SWL0006	MW-22	MWB028	
SWL0007	MW-23	TMW_04	
SWL0008	MW-24	TMW_06	
SWL0009	MW-25	TMW_07	
SWL0015	MW-26	TMW_08	
SWL0017	MW-27	TMW_10	
SWL0021	MW-28	TMW_11	
SWL0024	MW-29	WCC_03S	
SWL0028	MW-30	WCC_04S	
SWL0038	MW-31	WCC_05S	
SWL0042	UBA-EW-1	WCC_07S	
SWL0044	UBA-EW-3	WCC_12S	
SWL0046	UBE-01		
SWL0049	UBE-02		
SWL0057	UBE-03		
XP-02	UBE-04		
	UBE-05		
	UBT-01		
	UBT-03		

Note: Some water table wells at Del Amo have screen intervals that are currently submerged. Screen intervals for these wells were targeted to address areas of highest contaminant concentration. Data from these wells are representative and appropriate for use in MACR analyses. Well MW-21, which has a submerged screen, is proposed for replacement, pending USEPA approval.

- Chlorobenzene Contour (dashed where inferred)
- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- Water Table TI Waiver Zone
- Water Table DNAPL Extent

Notes:
1) Concentration units in ug/L
2) EPA MCL is 100 ug/l and State MCL is 70 ug/L for Chlorobenzene, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) UBA-EW-1 sampled 5/17/2017 and UBA-EW-3 sampled 5/18/2017
6) Wells not used in contours: MW-14

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-154714173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 BaselineFig15_Chlorobenzene_WT.mxd

Figure 16

Dissolved Chlorobenzene Distribution MBFB

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

Water Table/UBF/MBFB

Merged MBFB/MBFC

See Figure 17 for chlorobenzene distribution in the MBF

- Chlorobenzene Contour (dashed where inferred)
- Demarcation line designating eastern limit of the MBF Mud that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the MBF.
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- MBFB TI Waiver Zone
- Facility as Labeled
- MBFB DNAPL Extent

Notes:
1) Concentration units in ug/L
2) EPA MCL is 100 ug/l and State MCL is 70 ug/L for Chlorobenzene, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) UAB-EW-1 sampled 5/17/2017
6) Wells not used in countours: MW-14

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig16_Chlorobenzene_MBFB.mxd

Figure 17

Dissolved Chlorobenzene Distribution MBFC / Merged MBFB/MBFC

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Chlorobenzene Contour (dashed where inferred)
- Demarcation line designating eastern limit of the MBF Mud that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the MBF.
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- Boeing Extraction Well
- TGRS Extraction Well
- TGRS Injection Well
- MBFC TI Waiver Zone
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL is 100 ug/l and State MCL is 70 ug/L for Chlorobenzene, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) BF-EW-2 sampled on 5/16/2017; BF-EW-4 and BF-EW-3 sampled on 5/18/2017; BF-EW-5 and BF-EW-1 sampled on 5/17/2017.
6) Wells not used in contours: BF-03, BF-11, BF-EW-3

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig17_Chlorobenzene_MBFC.mxd

Figure 18

Dissolved Chlorobenzene Distribution Gage

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Chlorobenzene Contour (dashed where inferred)
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- Gage TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) EPA MCL is 100 ug/l and State MCL is 70 ug/L for Chlorobenzene, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) G-EW-4 and G-EW-3 sampled on 5/17/2017;
G-EW-1 on 5/18/2017, G-EW-2 on 5/16/2017.
5) Wells not included in contours: G-16, G-08 and LG-01

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

Figure generated by ddms

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig18_Chlorobenzene_Gage.mxd

Figure 19

Dissolved Chlorobenzene Distribution Lynwood

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) EPA MCL is 100 ug/l and State MCL is 70 ug/L for Chlorobenzene, Source: Montrose Superfund Site ROD (EPA, 1999)

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-15474173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig19_Chlorobenzene_Lynwood.mxd

Water Table wells with Submerged Screens			
Del Amo	**Montrose**	**Boeing**	**ILM**
GW-07A	BF-32A	AW0051UB	BL-10A
MW-01HD	MBFB-EW-1	AW0055UB	BL-11A
MW-02HD	MBFB-OW-1	AW0074UB	BL-12A
MW-03HD	MW-01	EWB002	BL-9A
MW-04HD	MW-02	EWB003	P-1
PZL0001	MW-03	IRZMW001A	P-12
PZL0006	MW-04	IRZMW001B	P-16A
PZL0007	MW-05	IRZMW004	P-17
PZL0009	MW-06	IRZMW005	P-2
PZL0010	MW-07	IWB001	P-22
PZL0011	MW-08	IWB002	P-27A
PZL0013	MW-09	MW0005	P-5
PZL0014	MW-10	MWB003	P-7
PZL0016	MW-11	MWB006	
PZL0018	MW-12	MWB007	
PZL0020	MW-13	MWB012	
SWL0001	MW-14	MWB013	
SWL0002	MW-17	MWB014	
SWL0003	MW-19	MWB019	
SWL0004	MW-20	MWB020	
SWL0005	MW-21	MWB027	
SWL0006	MW-22	MWB028	
SWL0007	MW-23	TMW_04	
SWL0008	MW-24	TMW_06	
SWL0009	MW-25	TMW_07	
SWL0015	MW-26	TMW_08	
SWL0017	MW-27	TMW_10	
SWL0021	MW-28	TMW_11	
SWL0024	MW-29	WCC_03S	
SWL0028	MW-30	WCC_04S	
SWL0038	MW-31	WCC_05S	
SWL0042	UBA-EW-1	WCC_07S	
SWL0044	UBA-EW-3	WCC_12S	
SWL0046	UBE-01		
SWL0049	UBE-02		
SWL0057	UBE-03		
XP-02	UBE-04		
	UBE-05		
	UBT-01		
	UBT-03		

Note: Some water table wells at Del Amo have screen intervals that are currently submerged. Screen intervals for these wells were targeted to address areas of highest contaminant concentration. Data from these wells are representative and appropriate for use in MACR analyses. Well MW-21, which has a submerged screen, is proposed for replacement, pending USEPA approval.

Figure 20

Dissolved pCBSA Distribution Water Table

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

pCBSA Contour (dashed where inferred)

- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- Water Table TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL injection limit is 25,000 ug/L for pCBSA, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) UBA-EW-1 sampled 5/17/2017 and UBA-EW-3 sampled 5/18/2017
6) Wells not included in contours: MW-14

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

Figure generated by ddms

DDMS Server Path: R:\Projects\DEF\demax-154714173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 BaselineFig20_pCBSA_WT.mxd

Figure 21

Dissolved pCBSA Distribution MBFB

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

Water Table/MBFB

Merged MBFB/MBFC

See Figure 22 for pCBSA distribution in the Merged MBFB/MBFC

- pCBSA Contour (dashed where inferred)
- Demarcation line designating eastern limit of the MBF Mud that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the MBF.
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL injection limit is 25,000 ug/L for pCBSA, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) UBA-EW-1 sampled 5/17/2017
6) Wells not included in contours: MW-14

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

Figure generated by ddms

DDMS Server Path: R:\Projects\DEF\demax-1547\41173A-Torrance\Data Analysis\GIS Data\Projects\MACR\2017 Baseline\Fig21_pCBSA_MBFB.mxd

Figure 22

Dissolved pCBSA Distribution MBFC / Merged MBFB/MBFC

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

MBFC

Merged MBFB/MBFC

- pCBSA Contour (dashed where inferred)
- Demarcation line designating eastern limit of the MBF Mud that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the MBF.
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- Boeing Extraction Well
- MBFC TI Waiver Zone
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL injection limit is 25,000 ug/L for pCBSA, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) BF-EW-2 sampled on 5/16/2017; BF-EW-4 and BF-EW-3 sampled on 5/18/2017; BF-EW-5 and BF-EW-1 sampled on 5/17/2017.
6) Wells not included in contours: BF-11

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-15477\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig22_pCBSA_MBFC.mxd

Figure 23

Dissolved pCBSA Distribution Gage

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- pCBSA Contour (dashed where inferred)
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- Gage TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) EPA MCL injection limit is 25,000
ug/L for pCBSA, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) G-EW-4 and G-EW-3 sampled on 5/17/2017;
G-EW-1on 5/18/2017, G-EW-2 on 5/16/2017.
5) Wells not included in contours: G-01, G-15,
and LG-01.

N

0 600 1,200
Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-1547\41173A-Torrance\Data Analysis\GIS Data\Projects\MACR\2017 Baseline\Fig23_pCBSA_Gage.mxd

Figure 24

Dissolved pCBSA Distribution Lynwood

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

pCBSA Contour (dashed where inferred)

Montrose Well Result

Facility as Labeled

Notes:
1) Concentration units in ug/L
2) EPA MCL injection limit is 25,000 ug/L for pCBSA, Source: Montrose Superfund Site ROD (EPA, 1999)

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 BaselineFig24_pCBSA_Lynwood.mxd

Water Table wells with Submerged Screens			
Del Amo	**Montrose**	**Boeing**	**ILM**
GW-07A	BF-32A	AW0051UB	BL-10A
MW-01HD	MBFB-EW-1	AW0055UB	BL-11A
MW-02HD	MBFB-OW-1	AW0074UB	BL-12A
MW-03HD	MW-01	EWB002	BL-9A
MW-04HD	MW-02	EWB003	P-1
PZL0001	MW-03	IRZMW001A	P-12
PZL0006	MW-04	IRZMW001B	P-16A
PZL0007	MW-05	IRZMW004	P-17
PZL0009	MW-06	IRZMW005	P-2
PZL0010	MW-07	IWB001	P-22
PZL0011	MW-08	IWB002	P-27A
PZL0013	MW-09	MW0005	P-5
PZL0014	MW-10	MWB003	P-7
PZL0016	MW-11	MWB006	
PZL0018	MW-12	MWB007	
PZL0020	MW-13	MWB012	
SWL0001	MW-14	MWB013	
SWL0002	MW-17	MWB014	
SWL0003	MW-19	MWB019	
SWL0004	MW-20	MWB020	
SWL0005	MW-21	MWB027	
SWL0006	MW-22	MWB028	
SWL0007	MW-23	TMW_04	
SWL0008	MW-24	TMW_06	
SWL0009	MW-25	TMW_07	
SWL0015	MW-26	TMW_08	
SWL0017	MW-27	TMW_10	
SWL0021	MW-28	TMW_11	
SWL0024	MW-29	WCC_03S	
SWL0028	MW-30	WCC_04S	
SWL0038	MW-31	WCC_05S	
SWL0042	UBA-EW-1	WCC_07S	
SWL0044	UBA-EW-3	WCC_12S	
SWL0046	UBE-01		
SWL0049	UBE-02		
SWL0057	UBE-03		
XP-02	UBE-04		
	UBE-05		
	UBT-01		
	UBT-03		

Note: Some water table wells at Del Amo have screen intervals that are currently submerged. Screen intervals for these wells were targeted to address areas of highest contaminant concentration. Data from these wells are representative and appropriate for use in MACR analyses. Well MW-21, which has a submerged screen, is proposed for replacement, pending USEPA approval.

Figure 25

Dissolved Chloroform Distribution Water Table

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Chloroform Contour (dashed where inferred)
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- Water Table TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL and State MCL is 100 ug/L for Chloroform, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) UBA-EW-1 sampled 5/17/2017 and UBA-EW-3 sampled 5/18/2017
6) Wells not included in contours: MW-24

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

Figure generated by ddms

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig25_Chloroform_WT.mxd

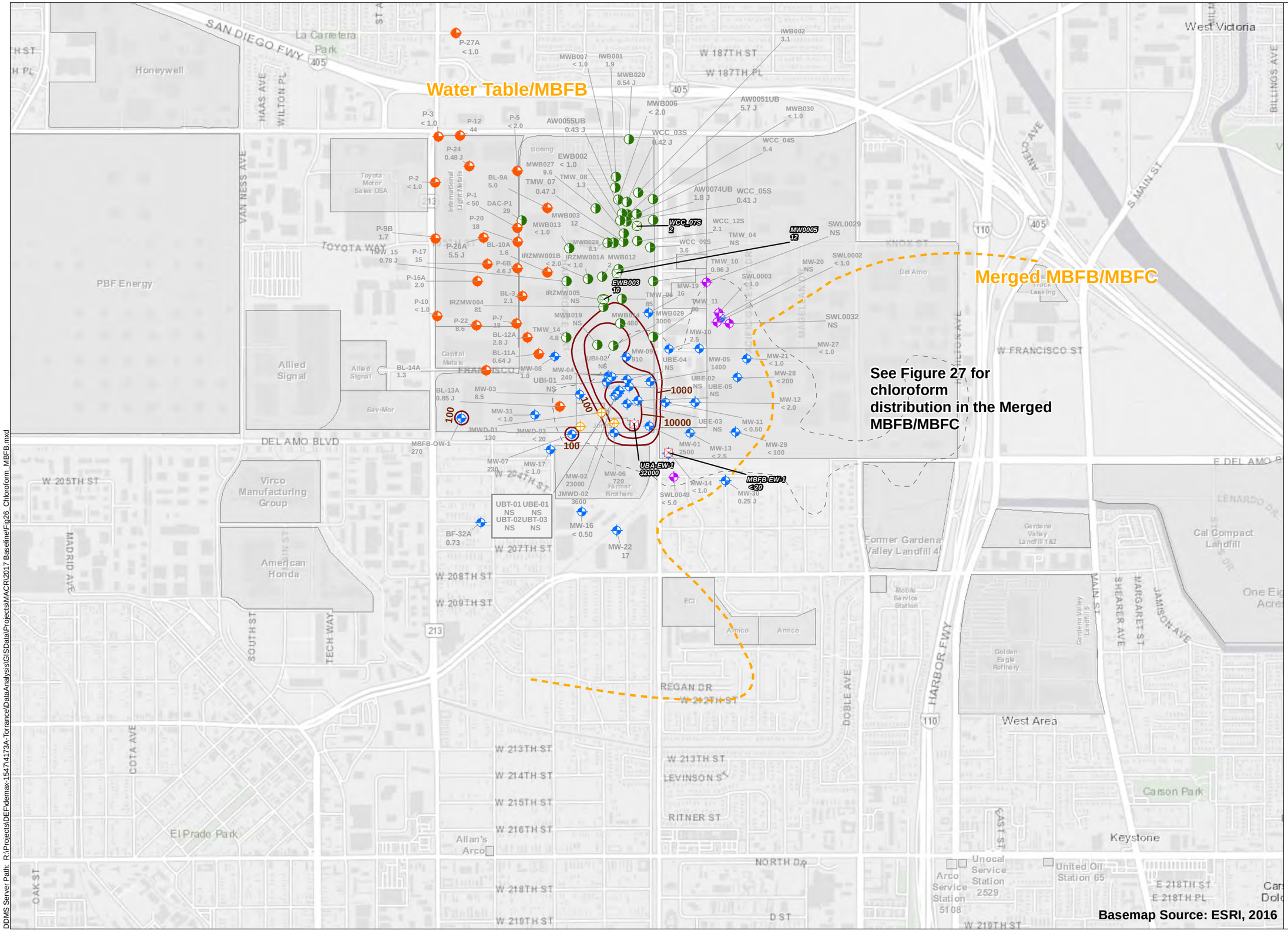

Figure 26

Dissolved Chloroform Distribution MBFB

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Chloroform Contour (dashed where inferred)
- Demarcation line designating eastern limit of the MBF Mud that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the MBF.
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL and State MCL is 100 ug/L for Chloroform, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) UBA-EW-1 sampled 5/17/2017
5) Wells not included in contours: MW-04

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

Figure generated by ddms

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig26_Chloroform_MBFB.mxd

Figure 27

Dissolved Chloroform Distribution MBFC / Merged MBFB/MBFC

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

MBFC

Merged MBFB/MBFC

- Chloroform Contour (dashed where inferred)
- Demarcation line designating eastern limit of the MBF Mud that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the MBF.
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Injection Well
- TGRS Extraction Well
- Boeing Extraction Well
- TGRS_Extraction_MBFC
- MBFC TI Waiver Zone
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL and State MCL is 100 ug/L for Chloroform, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) BF-EW-2 sampled on 5/16/2017; BF-EW-4 and BF-EW-3 sampled on 5/18/2017; BF-EW-5 and BF-EW-1 sampled on 5/17/2017.

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-15477\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig27_Chloroform_MBFC.mxd

Figure 28

Dissolved Chlorofom Distribution Gage

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- Gage TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) EPA MCL and State MCL is 100 ug/L for Chloroform, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) G-EW-4 and G-EW-3 sampled on 5/17/2017;
G-EW-1on 5/18/2017, G-EW-2 on 5/16/2017.

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig28_Chloroform_Gage.mxd

Figure 29

Dissolved Chloroform Distribution Lynwood

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

Montrose Well Result
Facility as Labeled

LW-03 <0.50
LW-05 <0.50
LW-06 <0.50
LW-01 0.30 J
LW-07 <0.50
LW-02 <0.50
LW-04 <0.50

Notes:
1) Concentration units in ug/L
2) EPA MCL and State MCL is 100 ug/L for Chloroform,
Source: Montrose Superfund Site ROD (EPA, 1999)

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

Figure generated by ddms

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig29_Chloroform_Lynwood.mxd

Figure 30

Dissolved Benzene Distribution Water Table

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Benzene isoconcentration line within the benzene plume (Isoconcentration lines dashed where inferred)
- Benzene isoconcentration line within the chlorobenzene plume (Isoconcentration lines dashed where inferred)
- Benzene isoconcentration line for a plume not within the dual site (Isoconcentration lines dashed where inferred)

- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- TGRS Extraction Well
- Boeing Extraction Well
- TGRS Injection Well
- Area where NAPL has been observed at residual saturations, but has not accumulated within a water table monitoring well
- Area where visible NAPL accumulations occur within one or more water table monitoring wells
- Water Table TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) BF-32A is screened from the Water Table to the MBFC.
3) (NAPL 09/2017): Non-aqueous phase liquid present, and date of observation.
4) NS = Well Not Sampled
5) UBA-EW-1 sampled 5/17/2017 and UBA-EW3 sampled 5/18/2017

N

0 600 1,200 Feet

1 inch = 1,200 feet

Water Table wells with Submerged Screens

Del Amo	Montrose	Boeing	ILM
GW-07A	BF-32A	AW0051UB	BL-10A
MW-01HD	MBFB-EW-1	AW0055UB	BL-11A
MW-02HD	MBFB-OW-1	AW0074UB	BL-12A
MW-03HD	MW-01	EWB002	BL-9A
MW-04HD	MW-02	EWB003	P-1
PZL0001	MW-03	IRZMW001A	P-12
PZL0006	MW-04	IRZMW001B	P-16A
PZL0007	MW-05	IRZMW004	P-17
PZL0009	MW-06	IRZMW005	P-2
PZL0010	MW-07	IWB001	P-22
PZL0011	MW-08	IWB002	P-27A
PZL0013	MW-09	MW0005	P-5
PZL0014	MW-10	MWB003	P-7
PZL0016	MW-11	MWB006	
PZL0018	MW-12	MWB007	
PZL0020	MW-13	MWB012	
SWL0001	MW-14	MWB013	
SWL0002	MW-17	MWB014	
SWL0003	MW-19	MWB019	
SWL0004	MW-20	MWB020	
SWL0005	MW-21	MWB027	
SWL0006	MW-22	MWB028	
SWL0007	MW-23	TMW_04	
SWL0008	MW-24	TMW_06	
SWL0009	MW-25	TMW_07	
SWL0015	MW-26	TMW_08	
SWL0017	MW-27	TMW_10	
SWL0021	MW-28	TMW_11	
SWL0024	MW-29	WCC_03S	
SWL0028	MW-30	WCC_04S	
SWL0038	MW-31	WCC_05S	
SWL0042	UBA-EW-1	WCC_07S	
SWL0044	UBA-EW-3	WCC_12S	
SWL0046	UBE-01		
SWL0049	UBE-02		
SWL0057	UBE-03		
XP-02	UBE-04		
	UBE-05		
	UBT-01		
	UBT-03		

Note: Some water table wells at Del Amo have screen intervals that are currently submerged. Screen intervals for these wells were targeted to address areas of highest contaminant concentration. Data from these wells are representative and appropriate for use in MACR analyses.
Well MW-21, which has a submerged screen, is proposed for replacement, pending USEPA approval.

Basemap Source: ESRI, 2016

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Figure 31

Dissolved Benzene Distribution MBFB

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Benzene isoconcentration line within the benzene plume (Isoconcentration lines dashed where inferred)
- Benzene isoconcentration line within the chlorobenzene plume (Isoconcentration lines dashed where inferred)
- Benzene isoconcentration line for a plume not within the dual site (Isoconcentration lines dashed where inferred)
- Demarcation line designating eastern limit of the MBFM that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the Merged MBFB/MBFC.
- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- TGRS Extraction Well
- Boeing Extraction Well
- TGRS Injection Well
- Area where visible NAPL accumulations occur within one or more water table monitoring wells
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) BF-32A is screened from the Water Table to the MBFC.
3) (NAPL 09/15): Non-aqueous phase liquid present, and date of observation.
4) NS = Well Not Sampled
5) UBA-EW-1 sampled 5/17/2017

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

V:\Projects\GIS_Proj\Del_amo\GIS\deliverables\2017_MACR\Benzene_MBFB.mxd

Figure 32

Dissolved Benzene Distribution
MBFC / Merged MBFB/MBFC

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Benzene isoconcentration line within the benzene plume (Isoconcentration lines dashed where inferred)
- Benzene isoconcentration line within the chlorobenzene plume (Isoconcentration lines dashed where inferred)
- Benzene isoconcentration line for a plume not within the dual site (Isoconcentration lines dashed where inferred)
- Demarcation line designating eastern limit of the MBFM that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the Merged MBFB/MBFC.
- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- TGRS Extraction Well
- TGRS Injection Well
- MBFC TI Waiver Zone
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) BF-32A is screened from the Water Table to the MBFC.
3) NS = Well Not Sampled
4) Contours that appear to terminate at the boundary between the MBF and the MBFC are continued in MBFB on Figure 31
5) NS = Well Not Sampled
6) BF-EW-2 sampled on 5/16/2017; BF-EW-4 and BF_EW-3 sampled on 5/18/2017; BF-EW-5 and BF-EW-1 sampled on 5/17/2017

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

V:\Projects\GIS_Proj\Del_amo\GIS\deliverables\2017_MACR\Benzene_MBFC.mxd

Figure 33

Dissolved Benzene Distribution Gage Aquifer

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Benzene isoconcentration line within the benzene plume (Isoconcentration lines dashed where inferred)
- Benzene isoconcentration line within the chlorobenzene plume (Isoconcentration lines dashed where inferred)
- Benzene isoconcentration line for a plume not within the dual site (Isoconcentration lines dashed where inferred)
- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- TGRS Extraction Well
- Boeing Extraction Well
- TGRS Injection Well
- Gage TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) NS = Well Not Sampled
3) G-EW-2 sampled on 5/16/2017; G-EW-3 and G-EW-4 sampled on 5/17/2017; G-EW-1 sampled on 5/18/2017

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

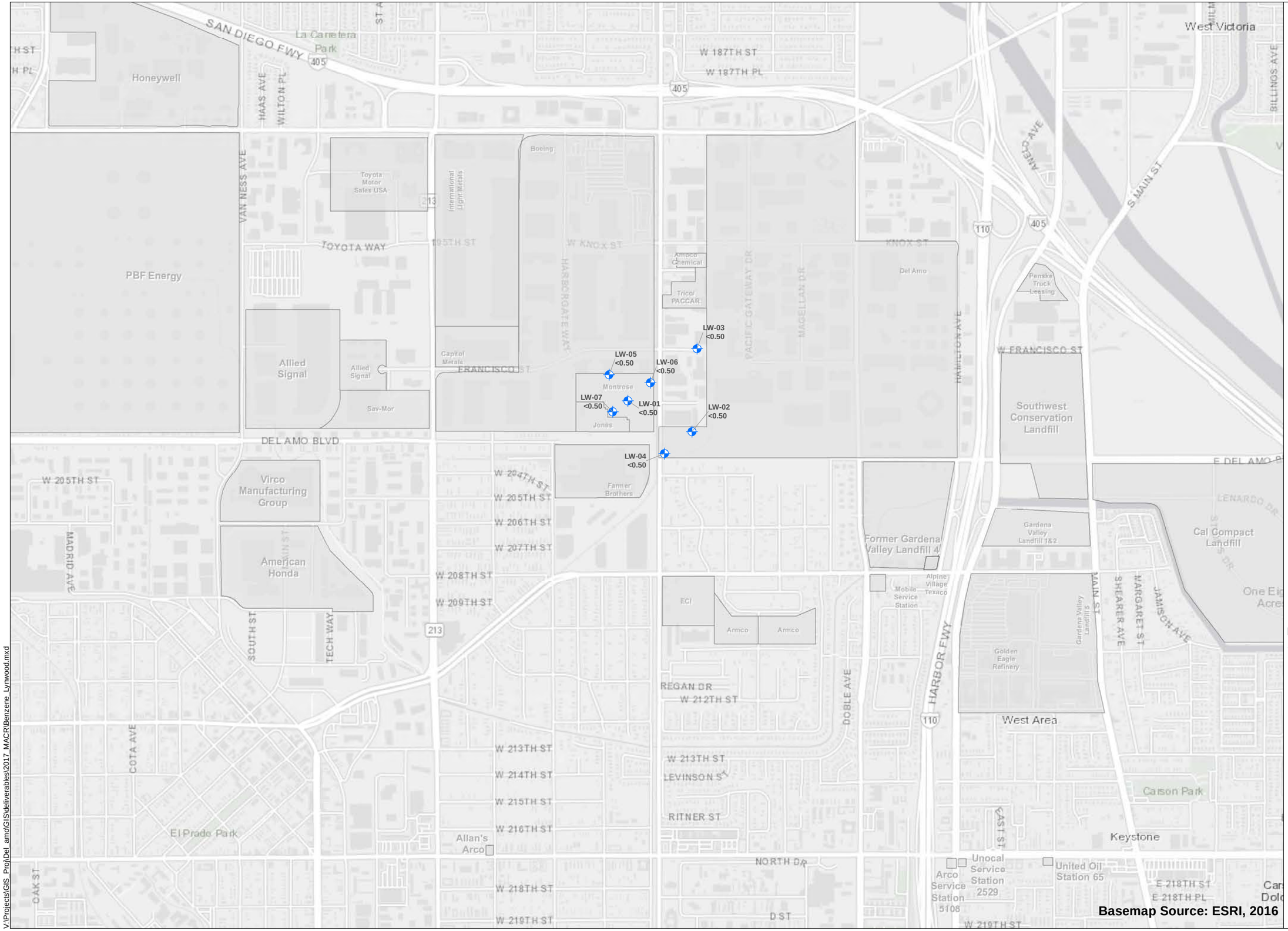
V:\Projects\GIS_Proj\Del_amo\GIS\deliverables\2017_MACR\Benzene_Gage.mxd

Figure 34

Dissolved Benzene Distribution Lynwood Aquifer

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR



Notes:
1) Concentration units in ug/L

Montrose Well
Del Amo Well
Boeing Well
ILM Well
Jones Well
Facility as Labeled

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

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Water Table wells with Submerged Screens			
Del Amo	**Montrose**	**Boeing**	**ILM**
GW-07A	BF-32A	AW0051UB	BL-10A
MW-01HD	MBFB-EW-1	AW0055UB	BL-11A
MW-02HD	MBFB-OW-1	AW0074UB	BL-12A
MW-03HD	MW-01	EWB002	BL-9A
MW-04HD	MW-02	EWB003	P-1
PZL0001	MW-03	IRZMW001A	P-12
PZL0006	MW-04	IRZMW001B	P-16A
PZL0007	MW-05	IRZMW004	P-17
PZL0009	MW-06	IRZMW005	P-2
PZL0010	MW-07	IWB001	P-22
PZL0011	MW-08	IWB002	P-27A
PZL0013	MW-09	MW0005	P-5
PZL0014	MW-10	MWB003	P-7
PZL0016	MW-11	MWB006	
PZL0018	MW-12	MWB007	
PZL0020	MW-13	MWB012	
SWL0001	MW-14	MWB013	
SWL0002	MW-17	MWB014	
SWL0003	MW-19	MWB019	
SWL0004	MW-20	MWB020	
SWL0005	MW-21	MWB027	
SWL0006	MW-22	MWB028	
SWL0007	MW-23	TMW_04	
SWL0008	MW-24	TMW_06	
SWL0009	MW-25	TMW_07	
SWL0015	MW-26	TMW_08	
SWL0017	MW-27	TMW_10	
SWL0021	MW-28	TMW_11	
SWL0024	MW-29	WCC_03S	
SWL0028	MW-30	WCC_04S	
SWL0038	MW-31	WCC_05S	
SWL0042	UBA-EW-1	WCC_07S	
SWL0044	UBA-EW-3	WCC_12S	
SWL0046	UBE-01		
SWL0049	UBE-02		
SWL0057	UBE-03		
XP-02	UBE-04		
	UBE-05		
	UBT-01		
	UBT-03		

Note: Some water table wells at Del Amo have screen intervals that are currently submerged. Screen intervals for these wells were targeted to address areas of highest contaminant concentration. Data from these wells are representative and appropriate for use in MACR analyses. Well MW-21, which has a submerged screen, is proposed for replacement, pending USEPA approval.

Figure 35

Dissolved Tetrachloroethene Distribution Water Table

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Tetrachloroethene Contour (dashed where inferred)
- Montrose Well Result
- Del Amo Well Result
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- Amoco/Former Trico Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- Water Table TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL and State MCL is 5 ug/L for Tetrachloroethene, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) UBA-EW-1 sampled 5/17/2017 and UBA-EW-3 sampled 5/18/2017
6) Wells not used in contours: MW-14

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

Figure generated by ddms

DDMS Server Path: R:\Projects\DEF\demax-15471\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig35_PCE_WT.mxd

Figure 36

Dissolved Tetrachlorothene Distribution MBFB

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

Water Table/MBFB

Merged MBFB/MBFC

See Figure 37 for tetrachloroethene distribution in the Merged MBFB/MBFC

- Tetrachloroethene Contour (dashed where inferred)
- Demarcation line designating eastern limit of the MBF Mud that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the MBF.
- Montrose Well Result
- Del Amo Well Result
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Injection Well
- TGRS Extraction Well
- Boeing Extraction Well
- Amoco/Trico Well Result
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL and State MCL is 5 ug/L for Tetrachloroethene, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) UBA-EW-1 sampled 5/17/2017
6) Wells not used in contours: MW-14

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig36_PCE_MBFB.mxd

Figure 37

Dissolved Tetrachlorothene Distribution MBFC / Merged MBFB/MBFC

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Tetrachloroethene Contour (dashed where inferred)
- Demarcation line designating eastern limit of the MBF Mud that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the MBF.
- Montrose Well Result
- Del Amo Well Result
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- MBFC TI Waiver Zone
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL and State MCL is 5 ug/L for Tetrachloroethene, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) BF-EW-2 sampled on 5/16/2017; BF-EW-4 and BF-EW-3 sampled on 5/18/2017; BF-EW-5 and BF-EW-1 sampled on 5/17/2017.

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig37_PCE_MBFC.mxd

Figure 38

Dissolved Tetrachloroethene Distribution Gage

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- Gage TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) EPA MCL and State MCL is 5 ug/L for Tetrachloroethene, Source: Montrose Superfund Site ROD (EPA, 1999)
ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) G-EW-4 and G-EW-3 sampled on 5/17/2017;
G-EW-1on 5/18/2017, G-EW-2 on 5/16/2017.

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\Data Analysis\GIS Data\Projects\MACR\2017 Baseline\Fig38_PCE_Gage.mxd

Figure 39

Dissolved Tetrachloroethene Distribution Lynwood

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

PCE Lynwood

FacilityName

- Montrose Well Result
- Del Amo Well Result
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) EPA MCL and State MCL is 5 ug/L for Tetrachloroethene, Source: Montrose Superfund Site ROD (EPA, 1999)

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

DDMS Server Path: R:\Projects\DEF\demax-1547\4173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig39_PCE_Lynwood.mxd

Figure 40

Dissolved Trichloroethene Distribution Water Table

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

Water Table wells with Submerged Screens			
Del Amo	**Montrose**	**Boeing**	**ILM**
GW-07A	BF-32A	AW0051UB	BL-10A
MW-01HD	MBFB-EW-1	AW0055UB	BL-11A
MW-02HD	MBFB-OW-1	AW0074UB	BL-12A
MW-03HD	MW-01	EWB002	BL-9A
MW-04HD	MW-02	EWB003	P-1
PZL0001	MW-03	IRZMW001A	P-12
PZL0006	MW-04	IRZMW001B	P-16A
PZL0007	MW-05	IRZMW004	P-17
PZL0009	MW-06	IRZMW005	P-2
PZL0010	MW-07	IWB001	P-22
PZL0011	MW-08	IWB002	P-27A
PZL0013	MW-09	MW0005	P-5
PZL0014	MW-10	MWB003	P-7
PZL0016	MW-11	MWB006	
PZL0018	MW-12	MWB007	
PZL0020	MW-13	MWB012	
SWL0001	MW-14	MWB013	
SWL0002	MW-17	MWB014	
SWL0003	MW-19	MWB019	
SWL0004	MW-20	MWB020	
SWL0005	MW-21	MWB027	
SWL0006	MW-22	MWB028	
SWL0007	MW-23	TMW_04	
SWL0008	MW-24	TMW_06	
SWL0009	MW-25	TMW_07	
SWL0015	MW-26	TMW_08	
SWL0017	MW-27	TMW_10	
SWL0021	MW-28	TMW_11	
SWL0024	MW-29	WCC_03S	
SWL0028	MW-30	WCC_04S	
SWL0038	MW-31	WCC_05S	
SWL0042	UBA-EW-1	WCC_07S	
SWL0044	UBA-EW-3	WCC_12S	
SWL0046	UBE-01		
SWL0049	UBE-02		
SWL0057	UBE-03		
XP-02	UBE-04		
	UBE-05		
	UBT-01		
	UBT-03		

Note: Some water table wells at Del Amo have screen intervals that are currently submerged. Screen intervals for these wells were targeted to address areas of highest contaminant concentration. Data from these wells are representative and appropriate for use in MACR analyses. Well MW-21, which has a submerged screen, is proposed for replacement, pending USEPA approval.

- TCE Contour (dashed where inferred)
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- Amoco/Trico Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- Water Table TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) 2) EPA MCL and State MCL is 5 ug/L for Trichloroethene, Source: Montrose Superfund Site ROD (EPA, 1999) 3) TGRS Extraction
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) UBA-EW-1 sampled 5/17/2017 and UBA-EW-3 sampled 5/18/2017
6) Wells not used in contours: MW-08, TMW-14, EWB002, MWB006, and WCC_03S

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

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Figure 41

Dissolved Trichloroethene Distribution MBFB

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

Water Table/MBFB

Merged MBFB/MBFC

See Figure 42 for TCE Distribution in the Merged MBFB/MBFC

- Trichloroethylene Contour (dashed where inferred)
- Demarcation line designating eastern limit of the MBF Mud that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the MBF.
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- Amoco/Trico Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL and State MCL is 5 ug/L for Trichloroethene, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) UBA-EW-1 sampled 5/17/2017
6) Wells not used in contours: MW-08 and TMW-14

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

Figure generated by ddms

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Figure 42

Dissolved Trichloroethene Distribution MBFC / Merged MBFB/MBFC

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Trichloroethylene Contour (dashed where inferred)
- Demarcation line designating eastern limit of the MBF Mud that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the MBF.
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- MBFC TI Waiver Zone
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:

1) Concentration units in ug/L
2) EPA MCL and State MCL is 5 ug/L for Trichloroethene, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) BF-32A is screened from the Water Table to the MBFC.
5) BF-EW-2 sampled on 5/16/2017; BF-EW-4 and BF-EW-3 sampled on 5/18/2017; BF-EW-5 and BF-EW-1 sampled on 5/17/2017.
6) Wells not used in contours: BF-01, BF-02, CMW026, IRZCMW003, and MWC01

N

0 600 1,200 Feet

1 inch = 1,200 feet

Figure generated by ddms

Basemap Source: ESRI, 2016

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Figure 43

Dissolved Trichloroethene Distribution Gage

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Trichloroethylene Contour (dashed where inferred)
- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- TGRS Extraction Well
- TGRS Injection Well
- Boeing Extraction Well
- Gage TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) EPA MCL and State MCL is 5 ug/L for Trichloroethene, Source: Montrose Superfund Site ROD (EPA, 1999)
3) TGRS Extraction and Injection Wells displayed and labeled on map, however TGRS wells not sampled as part of 2017 Baseline (exception was MBFB-EW-1)
4) G-EW-4 and G-EW-3 sampled on 5/17/2017;
G-EW-1on 5/18/2017, G-EW-2 on 5/16/2017.

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

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Figure 44

Dissolved Trichloroethene Distribution Lynwood

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- Montrose Well Result
- Del Amo Well
- Boeing Well Result
- ILM Well Result
- Jones Well Result
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) EPA MCL and State MCL is 5 ug/L for Trichloroethene, Source: Montrose Superfund Site ROD (EPA, 1999)

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

R:\Projects\DEF\demax-154714173A-Torrance\DataAnalysis\GISData\Projects\MACR\2017 Baseline\Fig44_TCE_Lynwood.mxd

Figure 45

Dissolved TBA Distribution Water Table

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

Water Table wells with Submerged Screens			
Del Amo	**Montrose**	**Boeing**	**ILM**
GW-07A	BF-32A	AW0051UB	BL-10A
MW-01HD	MBFB-EW-1	AW0055UB	BL-11A
MW-02HD	MBFB-OW-1	AW0074UB	BL-12A
MW-03HD	MW-01	EWB002	BL-9A
MW-04HD	MW-02	EWB003	P-1
PZL0001	MW-03	IRZMW001A	P-12
PZL0006	MW-04	IRZMW001B	P-16A
PZL0007	MW-05	IRZMW004	P-17
PZL0009	MW-06	IRZMW005	P-2
PZL0010	MW-07	IWB001	P-22
PZL0011	MW-08	IWB002	P-27A
PZL0013	MW-09	MW0005	P-5
PZL0014	MW-10	MWB003	P-7
PZL0016	MW-11	MWB006	
PZL0018	MW-12	MWB007	
PZL0020	MW-13	MWB012	
SWL0001	MW-14	MWB013	
SWL0002	MW-17	MWB014	
SWL0003	MW-19	MWB019	
SWL0004	MW-20	MWB020	
SWL0005	MW-21	MWB027	
SWL0006	MW-22	MWB028	
SWL0007	MW-23	TMW_04	
SWL0008	MW-24	TMW_06	
SWL0009	MW-25	TMW_07	
SWL0015	MW-26	TMW_08	
SWL0017	MW-27	TMW_10	
SWL0021	MW-28	TMW_11	
SWL0024	MW-29	WCC_03S	
SWL0028	MW-30	WCC_04S	
SWL0038	MW-31	WCC_05S	
SWL0042	UBA-EW-1	WCC_07S	
SWL0044	UBA-EW-3	WCC_12S	
SWL0046	UBE-01		
SWL0049	UBE-02		
SWL0057	UBE-03		
XP-02	UBE-04		
	UBE-05		
	UBT-01		
	UBT-03		

Note: Some water table wells at Del Amo have screen intervals that are currently submerged. Screen intervals for these wells were targeted to address areas of highest contaminant concentration. Data from these wells are representative and appropriate for use in MACR analyses.
Well MW-21, which has a submerged screen, is proposed for replacement, pending USEPA approval.

- TBA isoconcentration line (dashed where inferred)

- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- TGRS Extraction Well
- Boeing Extraction Well
- TGRS Injection Well
- Water Table TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in µg/L
2) BF-32A is screened from the Water Table to the MBFC.
3) NS = Well Not Sampled
4) NA = Well Sampled, but Not Analyzed for TBA
5) UBA-EW-1 sampled 5/17/2017 and UBA-EW-3 sampled 5/18/2017

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

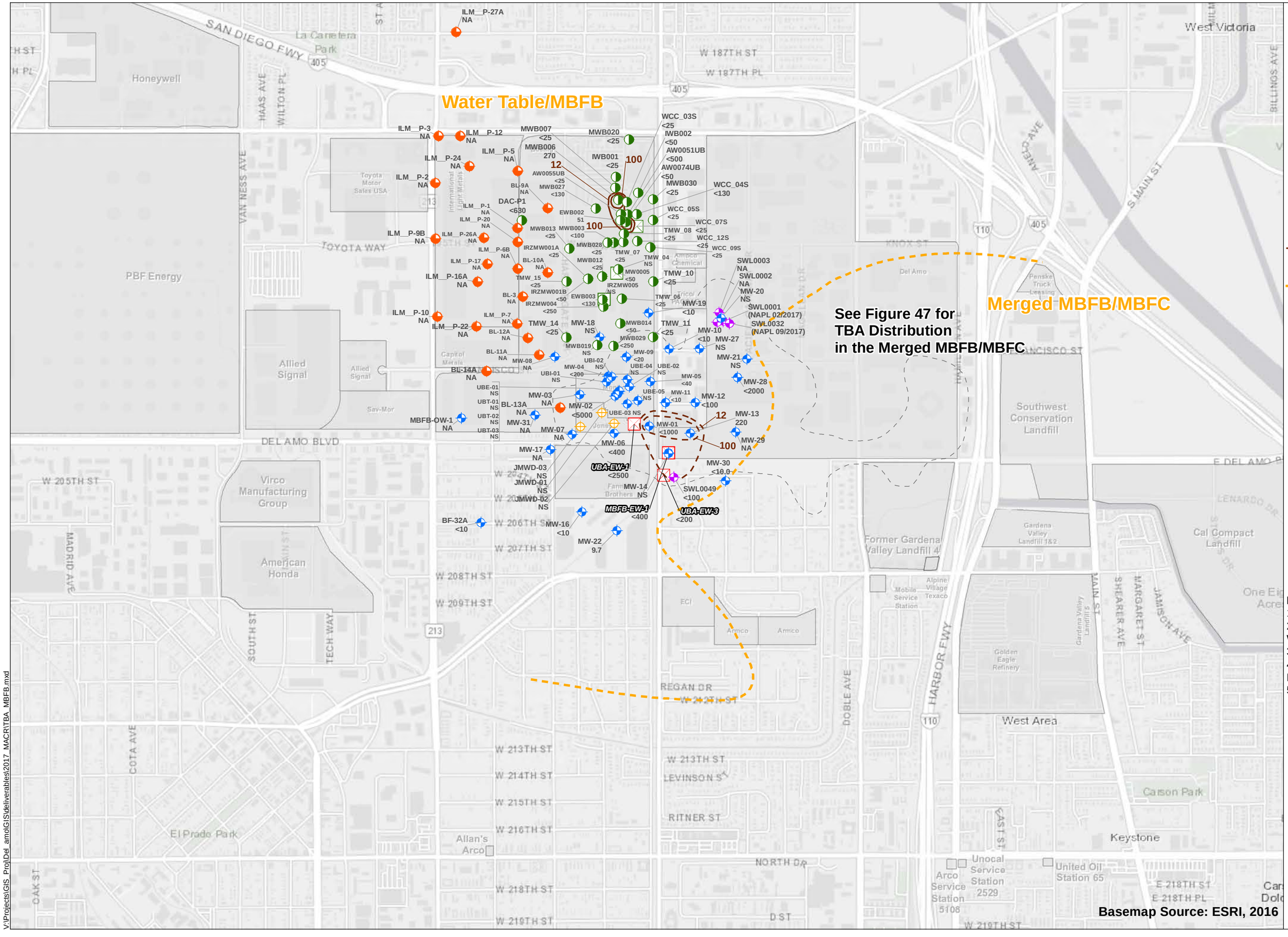
V:\Projects\GIS_Proj\Del_amo\GIS\deliverables\2017_MACR\TBA_WT.mxd

Figure 46

Dissolved TBA Distribution MBFB

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR



- TBA isoconcentration line (dashed where inferred)
- Demarcation line designating eastern limit of the MBFM that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the Merged MBFB/MBFC.
- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- TGRS Extraction Well
- Boeing Extraction Well
- TGRS Injection Well
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) BF-32A is screened from the Water Table to the MBFC.
3) NS = Well Not Sampled
4) NA = Well Sampled, but Not Analyzed for TBA
5) UBA-EW-1 sampled 5/17/2017

N

0 600 1,200 Feet

1 inch = 1,200 feet

V:\Projects\GIS_Proj\Del_amo\GIS\deliverables\2017_MACR\TBA_MBFB.mxd

Figure 47

Dissolved TBA Distribution MBFC / Merged MBFB/MBFC

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

MBFC

Merged MBFB/MBFC

- TBA isoconcentration line (dashed where inferred)
- Demarcation line designating eastern limit of the MBFM that segregates the MBFB and MBFC. East of the line, the two units are not segregated and collectively form the Merged MBFB/MBFC.
- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- TGRS Extraction Well
- Boeing Extraction Well
- TGRS Injection Well
- MBFC TI Waiver Zone
- MBFB TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) BF-32A is screened from the Water Table to the MBFC.
3) NS = Well Not Sampled
4) NA = Well Sampled, but Not Analyzed for TBA
5) BF-EW-2 sampled on 5/16/2017; BF-EW-4 and BF_EW-3 sampled on 5/18/2017; BF-EW-5 and BF-EW-1 sampled on 5/17/2017

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

V:\Projects\GIS_Proj\Del_amo\GIS\deliverables\2017_MACR\TBA_MBFC.mxd

Figure 48

Dissolved TBA Distribution Gage Aquifer

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

- TBA isoconcentration line (dashed where inferred)
- Montrose Well
- Del Amo Well
- Boeing Well
- ILM Well
- Jones Well
- TGRS Extraction Well
- Boeing Extraction Well
- TGRS Injection Well
- Gage TI Waiver Zone
- Facility as Labeled

Notes:
1) Concentration units in ug/L
2) NS = Well Not Sampled
3) NA = Well Sampled, but Not Analyzed for TBA
4) G-EW-2 sampled on 5/16/2017; G-EW-3 and G-EW-4 sampled on 5/17/2017; G-EW-1 sampled on 5/18/2017

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

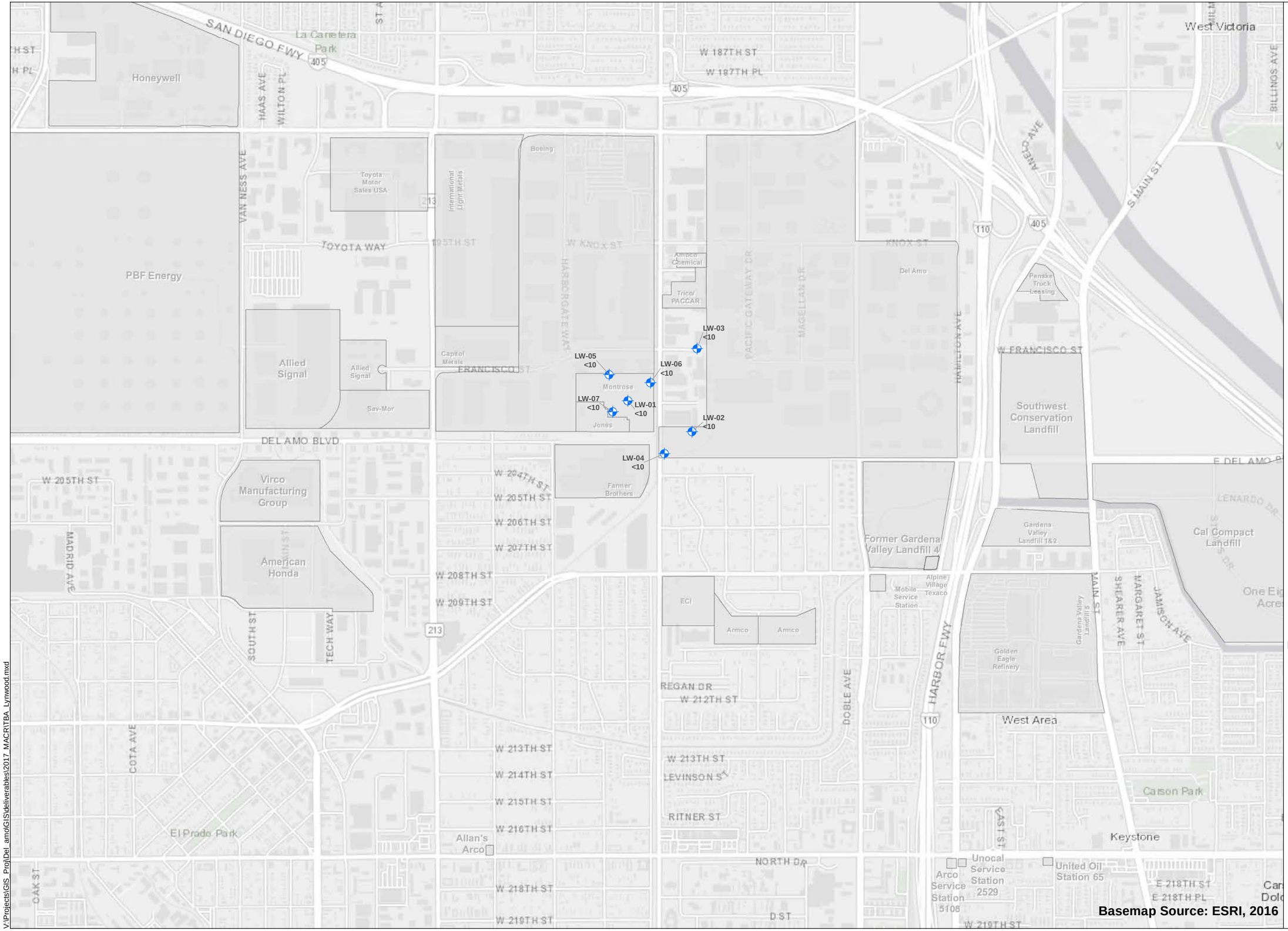
V:\Projects\GIS_Proj\Del_amo\GIS\deliverables\2017_MACR\TBA_Gage.mxd

Figure 49

Dissolved TBA Distribution Lynwood Aquifer

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR



Notes:
1) Concentration units in ug/L

Montrose Well
Del Amo Well
Boeing Well
ILM Well
Jones Well
Facility as Labeled

N

0 600 1,200 Feet

1 inch = 1,200 feet

Basemap Source: ESRI, 2016

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Appendix A

Representative Cross Sections and Isopach Maps

Figure A-1

Representative Cross Sections

Legend

- Soil boring
- Monitoring well
- Cross section locations

Notes:

1) Cross section A-A' as presented in the Dames & Moore, Final Groundwater Remedial Investigation Report, Del Amo Study Area, May 15, 1998.

2) Cross section C-C' as presented in the Hargis + Associates, Final Remedial Investigation Report, Montrose Chemical, May 18, 1998.

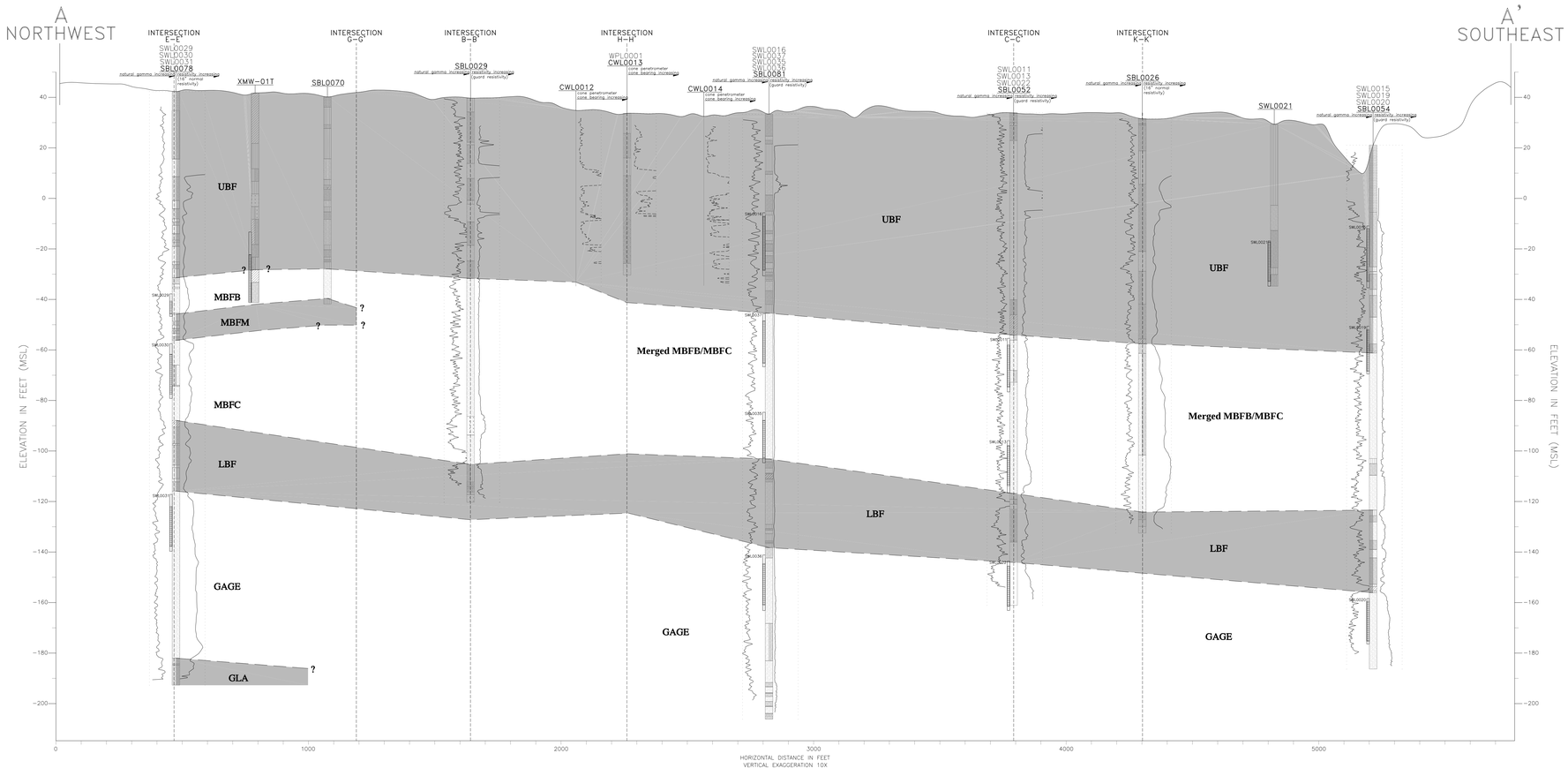
N

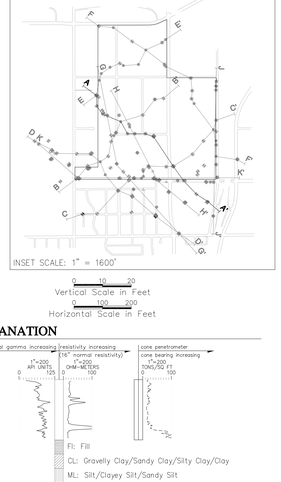
0 400 800 Feet

1 inch = 800 feet

Basemap Source: Bing Aerial Hybrid, 2016

V:\Projects\GIS_Proj\Del_amo\GIS\deliverables\2016_MACRFgA1_RepCrossSections_v2.mxd





EXPLANATION

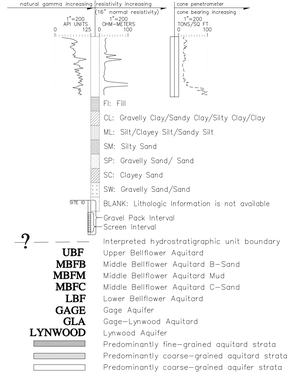


Figure A-2
Hydrostratigraphic Cross Section A-A'

Del Amo Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

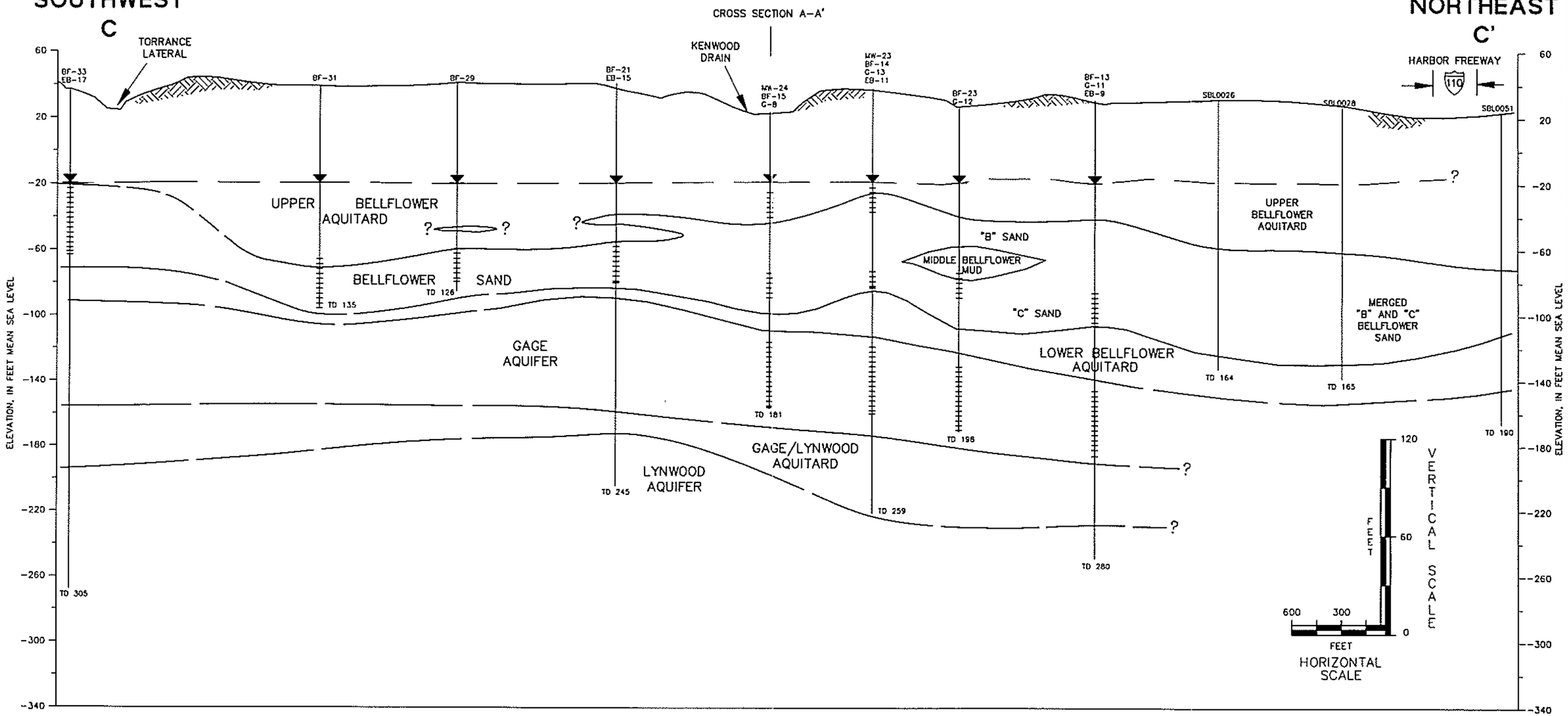
FIGURE BEST VIEWED ELECTRONICALLY

C:\ADWG\00216\440\SW-XSA01, 05/16/97 at 17:19

SOUTHWEST
C

NORTHEAST
C'

CROSS SECTION A–A'



EXPLANATION

BF-31 — WELL OR BORING IDENTIFIER

STATIC WATER LEVEL ELEVATION MESURED IN OCTOBER 1995 AND INFERRED WATER TABLE

SCREENED INTERVAL OF WELL. MORE THAN ONE WELL SCREEN INDICATES INDIVIDUAL WELLS CLUSTERED NEAR EACH OTHER

TD 135 — TOTAL DEPTH DRILLED IN FEET BELOW LAND SURFACE

——— ——— ? ——— HYDROGEOLOGIC UNIT CONTACT
DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED

MONITOR WELLS AND EXPLORATORY BORINGS

- MW = UPPER BELLFLOWER AQUITARD
- BF = BELLFLOWER SAND
- G = GAGE AQUIFER
- EB = EXPLORATORY BOREHOLE
- SBL = DEL AMO SOIL BORING

NOTE: SEE FIGURE 4.10 FOR LOCATION OF CROSS SECTION

HARGIS+ASSOCIATES, INC.
Hydrogeology/Engineering

7/97 | RPT NO. 857.01 | 310-0150 | B

FIGURE 4.13 HYDROGEOLOGIC CROSS SECTION C–C'

I:\PROJECTS\MONTROSE\310-0150.DWG 21-APR-1998

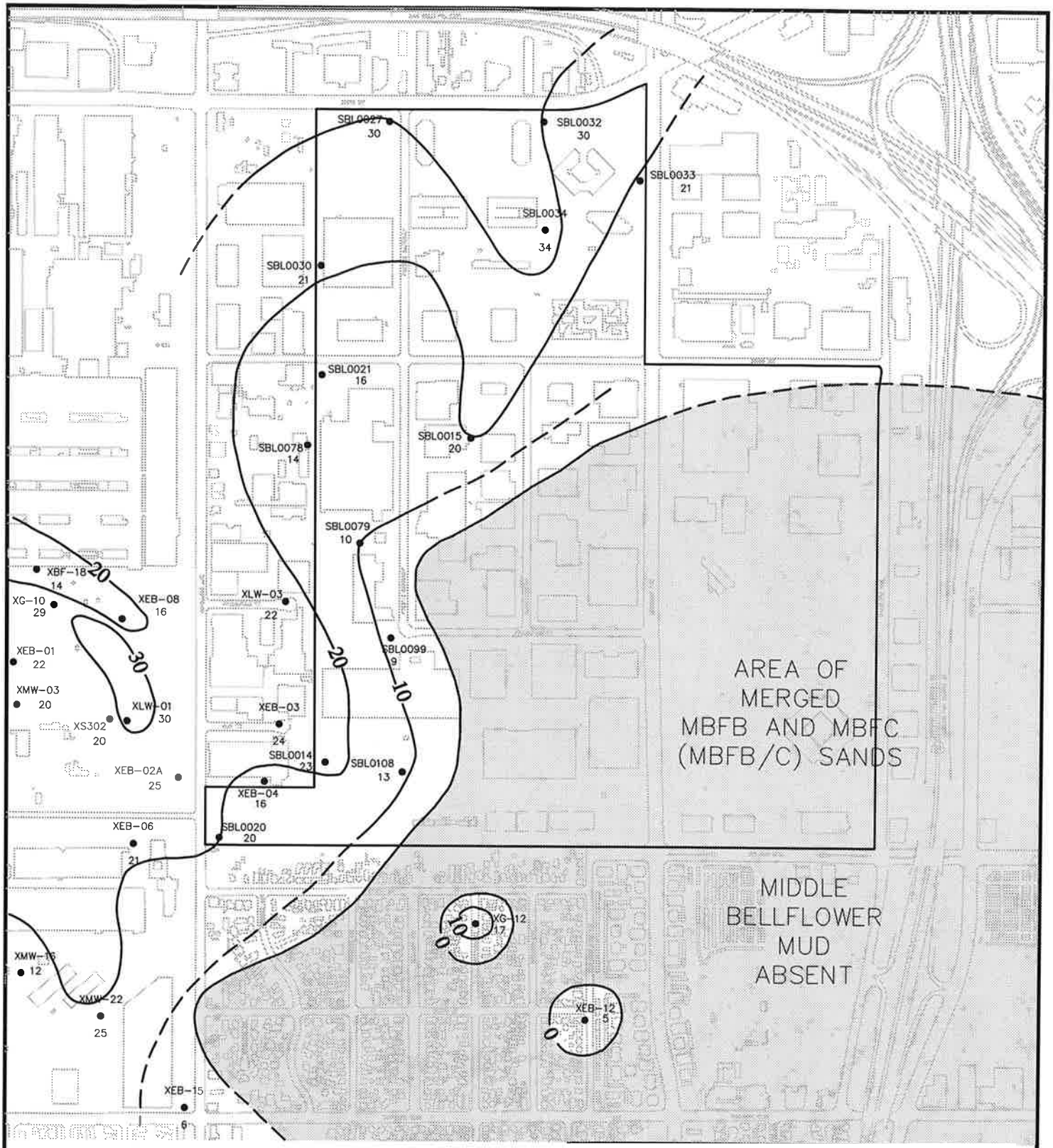


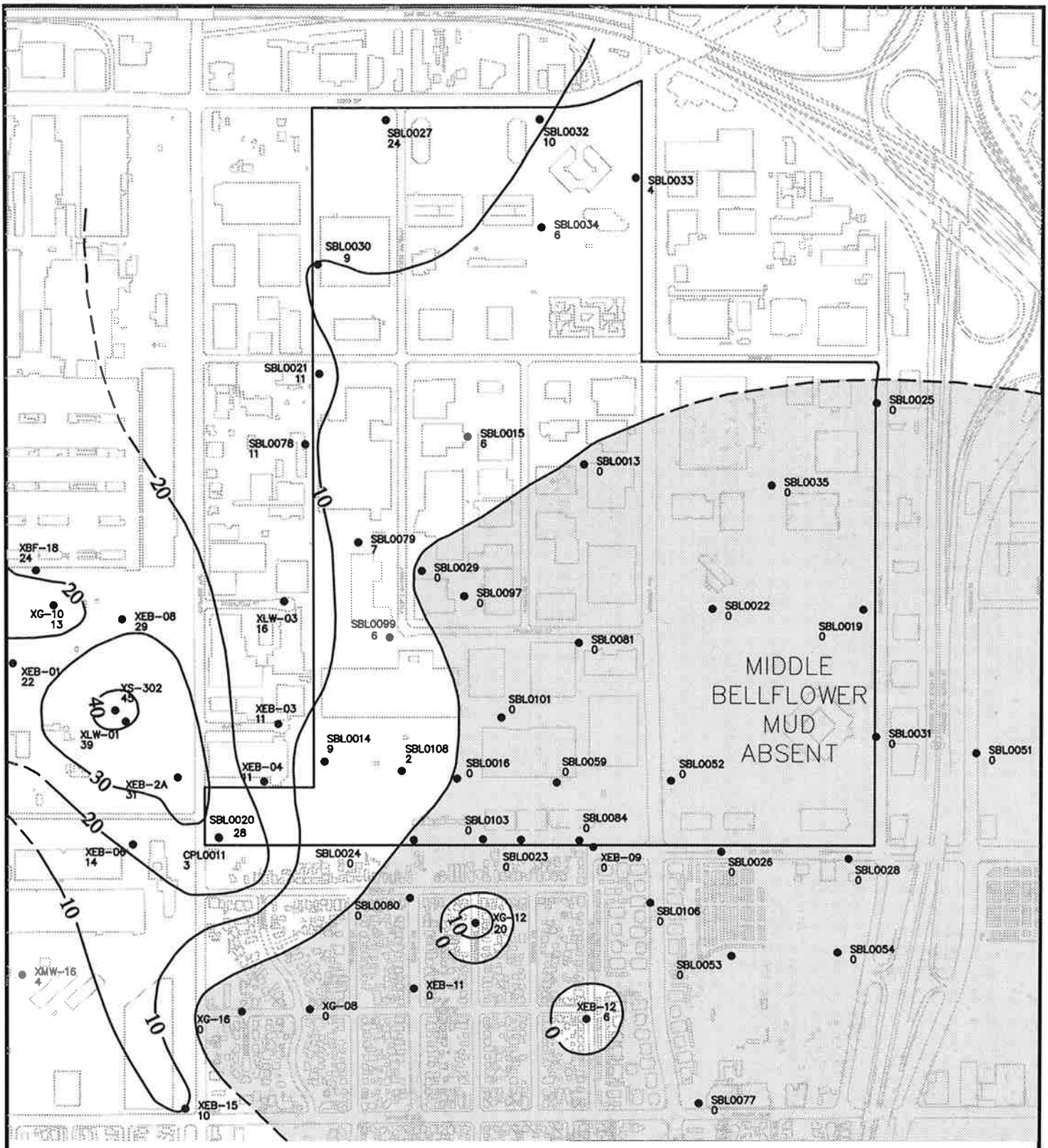
Figure A-4

Isopach Map
Middle Bellflower B Sand

Del Amo Groundwater Operable Unit
Los Angeles, California

2017 MACR

D:\DJD\RI\SEC3\iso-bm1, 04/14/98 at 13:40



EXPLANATION

XEB-15
10
Control point indicating thickness of hydrostratigraphic unit in feet

20
Thickness contour, MBF Mud
Dashed where inferred

D:\DJD\RI\SEC3\Iso-mbfm, 03/18/98 at 08:59

Figure A-5

Isopach Map
Middle Bellflower Mud

Del Amo Groundwater Operable Unit
Los Angeles, California

2017 MACR

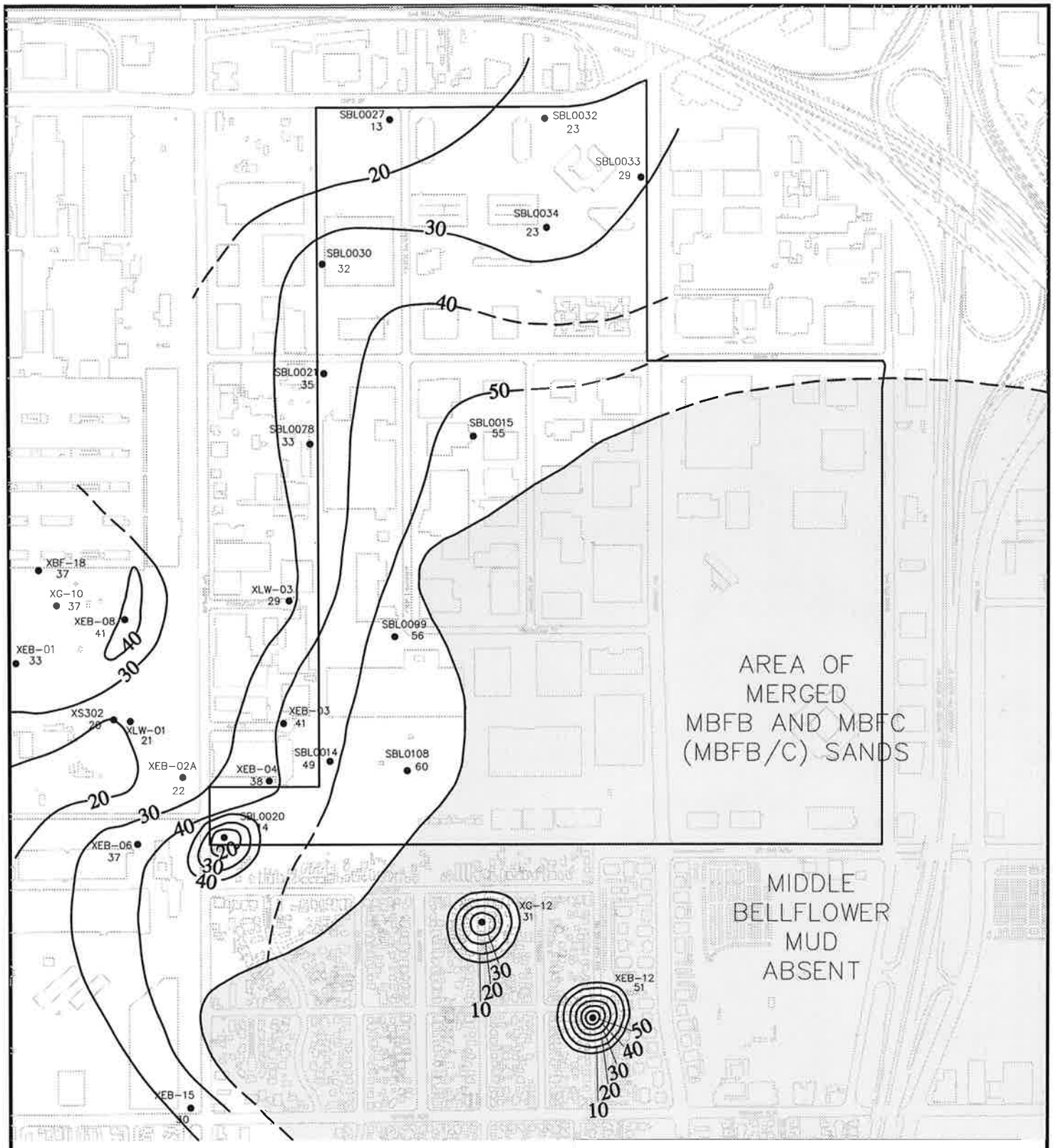


Figure A-6

Isopach Map
Middle Bellflower C Sand

Del Amo Groundwater Operable Unit
Los Angeles, California

2017 MACR

D:\DJD\RI\SEC3\iso-cm1, 06/16/97 at 16:41

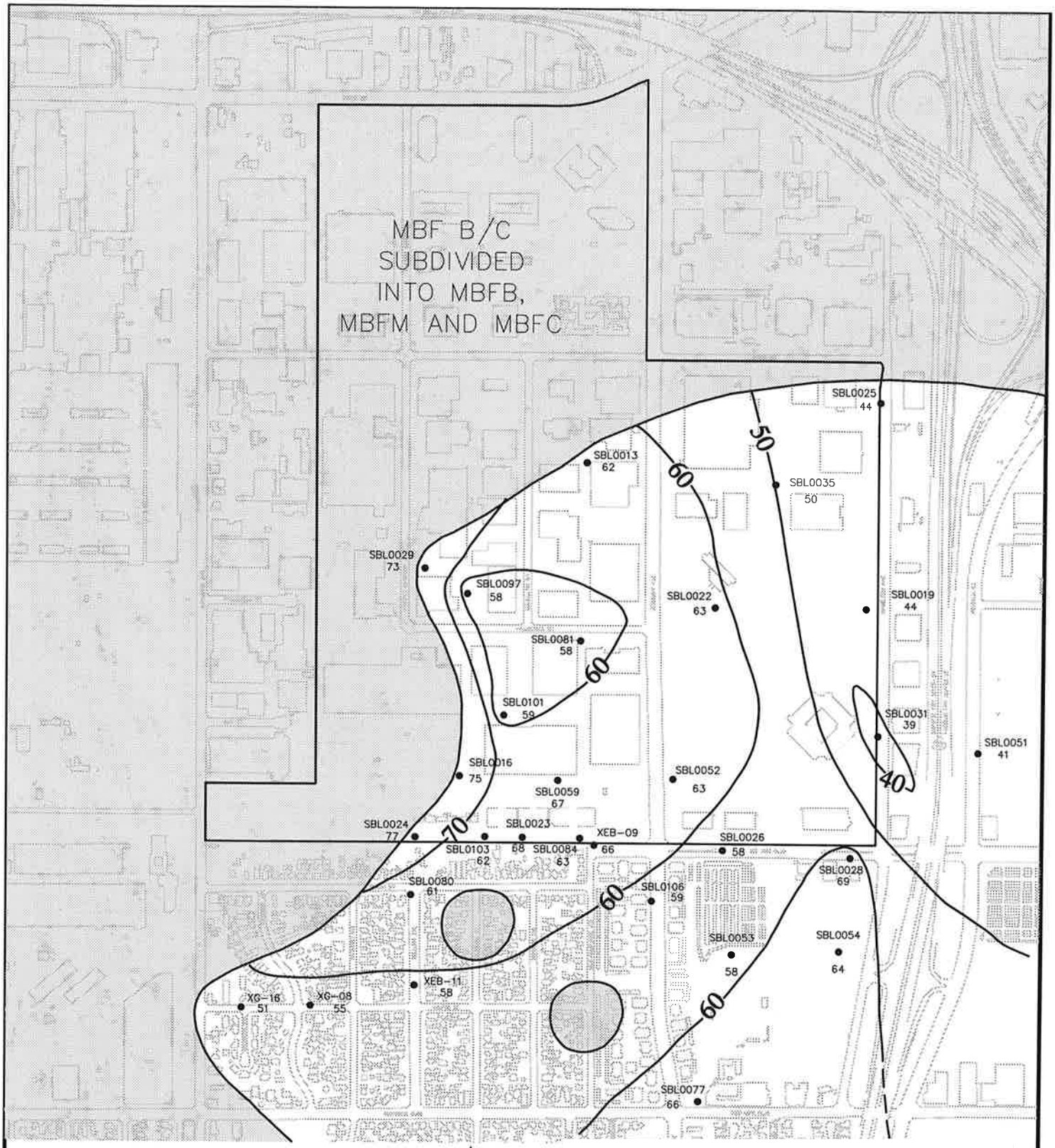


Figure A-7

Isopach Map
Merged MBFB/MBFC

Del Amo Groundwater Operable Unit
Los Angeles, California

2017 MACR

D: \DJD\RI\SEC3\iso-bc, 04/14/98 at 14:00

Appendix B

Well Logs
(Installed during reporting period)

No wells were installed during this reporting period.

Appendix C

Well Maintenance Records

Appendix C
Well Maintenance Records, Del Amo Monitoring Network
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR

Well IDs	Location	Date Checked	Maintenance Required? (Y/N)	Maintenance Completed (Y/N)	Scheduled Repair Date	Comments
G-01WC	S. New Hampshire Ave.	9/5/2017	N	--	--	
G-02WC	Catalina St.	9/5/2017	N	--	--	
GW-07A	Vacant lot adjacent to Figueroa St.	9/5/2017	N	--	--	
GW-07C	Vacant lot adjacent to Figueroa St.	9/5/2017	N	--	--	
MW-01HD	7351-033-022	9/5/2017	Y	Y	--	Replaced lock on 9/13/17
MW-02HD	7351-033-022	9/5/2017	N	--	--	
MW-03HD	7351-033-022	9/6/2017	N	--	--	
MW-04HD	7351-033-022	9/5/2017	Y	Y	--	Replaced lock on 9/13/17
PZL0001	Hamilton Ave.	9/7/2017	Y	Y	--	Replaced lock on 9/8/17
PZL0006	Magellan Dr.	9/5/2017	N	--	--	
PZL0007	Hamilton Ave.	9/7/2017	Y	Y	--	Replaced bolts 12/14/17
PZL0009	7351-034-069	9/5/2017	N	--	--	
PZL0010	7351-034-025	9/6/2017	N	--	--	
PZL0011	7351-033-017	9/5/2017	Y	Y	--	Replaced lock on 9/5/17
PZL0012	7351-033-031	9/5/2017	N	--	--	
PZL0013	7351-033-900	9/5/2017	N	--	--	
PZL0014	7351-031-017	9/5/2017	Y	Y	--	Replaced lock on 9/8/17
PZL0016	7351-034-800	9/5/2017	Y	Y	--	Replaced lock on 9/5/17
PZL0018	7351-034-901	9/5/2017	N	--	--	
PZL0019	7351-034-077	9/6/2017	N	--	--	
PZL0020	7351-034-077	9/5/2017	N	--	--	
PZL0022	7351-034-078	9/5/2017	N	--	--	
PZL0024	7351-034-077	9/5/2017	N	--	--	
PZL0025	7351-034-077	9/5/2017	N	--	--	
PZL0026	7351-033-017	9/11/2017	N	--	--	
SWL0002	7351-034-057	9/6/2017	Y	N	2018	Replace broken bolts
SWL0003	7351-034-015, 050, 056	9/5/2017	Y	Y	--	Replaced lock on 9/5/17
SWL0004	7351-034-057	9/6/2017	N	--	--	
SWL0005	W. Del Amo Blvd.	9/5/2017	N	--	--	
SWL0006	Catalina St.	9/5/2017	N	--	--	
SWL0007	7351-031-007	9/5/2017	N	--	--	
SWL0008	Vacant lot south of the Waste Pits	9/5/2017	N	--	--	
SWL0009	Figueroa St.	9/6/2017	N	--	--	
SWL0010	Figueroa St.	9/6/2017	N	--	--	
SWL0013	7351-033-031	9/5/2017	N	--	--	
SWL0014	Torrance Lateral	9/5/2017	N	--	--	
SWL0015	Torrance Lateral	9/5/2017	N	--	--	
SWL0016	7351-034-068	9/5/2017	Y	N	2018	Repair vault ring
SWL0017	7351-034-025	9/5/2017	Y	N	2018	Repair vault ring
SWL0018	7351-034-066	9/5/2017	Y	Y	--	Installed new well lid and bolts, and replaced lock on 9/5/17
SWL0019	Torrance Lateral	9/5/2017	N	--	--	
SWL0021	736 W Del Amo Blvd.	9/5/2017	N	--	--	
SWL0022	7351-033-031	9/5/2017	N	--	--	
SWL0023	W. Del Amo Blvd.	9/7/2017	N	--	--	
SWL0024	W. Del Amo Blvd.	9/7/2017	Y	Y	--	Replaced lock on 9/11/17
SWL0025	Figueroa St.	9/6/2017	N	--	--	
SWL0028	Torrance Lateral	9/5/2017	Y	N	2018	Repair vault lid
SWL0032	7351-034-057	9/6/2017	N	--	--	
SWL0033	S. Budlong Ave.	9/5/2017	N	--	--	
SWL0035	7351-034-804	9/5/2017	N	--	--	
SWL0036	7351-034-068	9/5/2017	Y	Y	--	Installed new well box, and concrete pad on 11/2/17
SWL0037	7351-034-804	9/5/2017	N	--	--	
SWL0038	7351-031-007	9/5/2017	N	--	--	
SWL0040	7351-034-078	9/5/2017	N	--	--	
SWL0041	7351-034-078	9/5/2017	N	--	--	
SWL0042	Hamilton Ave.	9/5/2017	N	--	--	
SWL0044	7351-034-901	9/5/2017	N	--	--	
SWL0046	7351-033-045	9/5/2017	N	--	--	
SWL0047	7351-034-052	9/5/2017	N	--	--	
SWL0048	7351-034-066	9/5/2017	N	--	--	
SWL0050	7351-034-077	9/5/2017	N	--	--	
SWL0051	vacant lot south of the Waste Pits	9/5/2017	N	--	--	
SWL0052	S. Vermont Ave.	9/7/2017	N	--	--	
SWL0053	S. Vermont Ave.	9/7/2017	Y	Y	--	Replaced lock on 9/8/17
SWL0054	7351-034-057	9/6/2017	Y	N	2018	Replace broken bolts
SWL0055	7351-034-077	9/5/2017	N	--	--	
SWL0056	S. New Hampshire Ave.	9/5/2017	N	--	--	
SWL0057	S. New Hampshire Ave.	9/5/2017	N	--	--	
SWL0058	7351-034-058	9/6/2017	N	--	--	
SWL0059	7351-034-015, 050, 056	9/5/2017	Y	Y	--	Installed new well box, and concrete pad on 11/2/17
SWL0060	7351-033-017	9/11/2017	N	--	--	
SWL0061	7351-034-057	9/6/2017	N	--	--	
SWL0063	7351-034-058	9/6/2017	Y	Y	--	Bolts replaced on 12/14/17, lock was replaced on 9/5/17
SWL0064	7351-034-058	9/6/2017	Y	Y	--	Bolts replaced on 12/14/17, lock was replaced on 9/5/17
SWL0065	7351-034-058	9/6/2017	Y	Y	--	Bolts replaced on 12/14/17, lock was replaced on 9/5/17
SWL0066	7351-034-057	9/6/2017	N	N	2018	Replace broken bolts
SWL0068	7351-033-017	9/11/2017	Y	Y	--	Replaced lock on 9/11/17
XP-02	7351-034-066	9/5/2017	Y	Y	--	Installed new well lid and bolts on 9/5/17
XP-03	W. Del Amo Blvd.	9/5/2017	N	--	--	

Appendix D

Field Data Sheets

Del Amo

2017 Well Gauging Forms

&

GW Measurement Adjustments from Field Calibration

DEL AMO SUPERFUND GAUGING DATA

Project # _60487624.2017.3.2 Date 09/05/17 Client AECOM

Technician JK

Well ID	Well Size (in.)	Time	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
SWL0036	4	0820					43.85	192.94	
SWL0037	4	0805					41.80	99.66	
SWL0025	4	0840					41.15	134.75	
SWL0016	4	0850					40.95	61.16	
~~PZL0006~~	~~4~~	~~0905~~					~~47.73~~	~~Ded. Pump~~	RE see Remarks
SWL0017	4	0925					44.64	Ded. Pump	
SWL0047	4	1010					45.20	92.11	
PZL009	4	1025					48.55	Ded. Pump	
PZL0014	2	1045					42.70	64.52	
SWL0038	4	1100					46.17	70.12	
SWL007	4	1110					49.00	70.87	
SWL0018	4	1245					43.48	137.89	
XP-02	4	1300					44.22	75.69	
~~SWL0059~~	~~4~~	~~1355~~					~~49.26~~	~~65.53~~	RE see Remarks
SWL0003	4	1415					49.40	76.87	
PZL0016	2	1435					45.41	63.30	

DEL AMO SUPERFUND GAUGING DATA

Project # _60487624.2017.3.2 Date 9/5/17 Client Aecom

Technician MJ

Well ID	Well Size (in.)	Time	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
SWL0041	4	1110					43.70	94.94		
SWL0048	4	1515					45.21	NM		Ded pump
SWL0055	4	0949					46.52	131.00		
SWL0056	4	0907					39.03	84.37		
XG-01WL	4	0849					36.41	88.81		
XG-02WL	4	0914					43.71	90.83		
XP-03	4	0840					38.69	93.28		
SWL0033	4	0900					45.00	139.72		
SWL0040	4	1116					43.61	136.95		
SWL0050	4	1130					46.85	84.60		
XBF-06	4	1445					50.61	124.20		
PZL0018	4	1036					42.06	NM		Ded pump
PZL0020	4	1138					45.24	66.00		Ded pump
PZL0022	4	1105					42.78	NM		Ded pump
PZL0024	4	1020					41.63	67.64		See Roney
PZL0025	4	0940					47.38	67.20		
SWL0005	4	0630					37.74	61.24		

DEL AMO SUPERFUND GAUGING DATA

Project # _60487624.2017.3.2 Date 9/5/17 Client Aecom

Technician MJ

Well ID	Well Size (in.)	Time	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
SWL0006	4	0844					35.26	59.10	
SWL0008	4	0933					40.74	NM	Ded Pump
XG-17	4	1043					47.00	212.50	
SWL0044	4	1425					45.91	66.90	
SWL0051	4	1315					36.59	56.95	
SWL0057	4	0820					36.28	60.00	Ded Pump
XMW-14	4	1400					51.51	61.28	
XMW-27	4	0653					49.14	NM	Ded Pump
XMW-21	4	1500					45.46	NM	Ded Pump
XMW-29	4	1440					47.97	72.90	

DEL AMO SUPERFUND GAUGING DATA

Project # _60487624.2017.3.2 Date 9/5/17 Client AECOM

Technician TR

Well ID	Well Size (in.)	Time	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
XSW-07C	4	0810					35.42	90.60	
SWL 0022	4	0930					44.00	194.30	
SWL 0013	4	0935					41.82	146.36	
SWL 0028	4	0950					29.53	55.82	
SWL 0015	4	1013					33.38	52.31	
SWL 0014	4	1005					33.61	133.40	
SWL 0019	4	1020					34.54	90.50	
P2L 0012	2	1052					37.93	57.80	
SWL 0046	4	1109					36.27	57.50	
SWL 0021	4	1240					37.88	PUMP	
XMW-02HD	4	1303					39.00	59.80	
XMW-01HD	4	~~1313~~ 1315					39.96	59.85	
P2L 0013	2	1318					40.17	60.90	
XMW-04HD	4	1330					39.40	PUMP	
SWL 0042	4	1453					34.15	54.70	
XSW-07A	4	1440					33.93	57.43	
P2L 0011	2	1348					31.60	43.74	

DEL AMO SUPERFUND GAUGING DATA

Project # _60487624.2017.3.2 Date 09/06/17 Client AECOM

Technician JK

Well ID	Well Size (in.)	Time	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or ~~TOC~~
PZL090	2	0805					42.81	68.28	
XMW-28	4	0825					48.51	Ded. Pump	
SLL0064	4	0835					48.45	130.49	
SLL0058	4	0850					49.68	130.86	
SLL0063	4	0905					49.35	129.58	
SLL0065	4	0920					45.50	Ded. Pump	
SLL0066	4	1130					50.57	Ded. Pump	
SLL0054	4	1135					48.75	129.52	
SLL0002	4	1145					48.21	79.29	
SLL0061	4	1155					49.40	136.14	
SLL0004	4	1205					50.29	Ded. Pump	
SLL0032	4	1215		50.25	0.06		~~50.27~~ 50.31	I. Probe	

DEL AMO SUPERFUND GAUGING DATA

Project # 60487624.2017.3.2 Date 9/6/17 Client AECOM

Technician TOC

Well ID	Well Size (in.)	Time	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
XMW-03HD	4	0805				~~38.25~~	38.25	69.15	
SWL 0025	4	0835					34.45	209.65	
SWL 0010	4	0842					32.60	116.13	
SWL 009	4	0847					29.67	PUMP	
XBF 13	4	1010					39.11	134.10	
REGAUGE	Remeasured on 9/6/17								
PZL 0006	2	1258					42.47	PUMP	
SWL 0059	4	1325					50.24	—	
PZL 0024	4	1350					44.81	—	
~~SWL 0008~~	~~4~~	~~1415~~					~~40.58~~	~~Pump~~	

DTW confir use 9/5 date

WELL GAUGING DATA

Project # 60487624, 2017.3.2 Date 9/7/17 Client AECOM

Site DEL AMO SUPERFUND

Technician: TR

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
PZL 0007	1217	2					27.91	61.50		
PZL 0001	1231	2					33.92	59.87		
SWL 0023	1248	4					37.98	102.90		
SWL 0024	1305	4					36.64	61.03		
SWL 0052	1345	4					33.10	93.88		
SWL 0053	1352	4					32.61	127.66	TOC	

DEL AMO SUPERFUND GAUGING DATA

Project # _60487624.2017.3.2 Date 9/11/17 Client AECOM

Technician TR

Well ID	Well Size (in.)	Time	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
P2L00 26	2	1000					36.73	53.43	
SWL00 60	4	1015					34.54	112.11	
SWL00 6B	4	1025	ODOR				29.90	47.95	

DEL AMO SUPERFUND GAUGING DATA

Project # _60487624.2017.3.2 Date 09/06/17 Client AECOM

Technician JK

Well ID	Well Size (in.)	Time	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
PZL0019	4	1451		62.5	6.85		49.42	69.35	
XMW-20	2	1235		NA	NA		51.52	I. Probe	
SWL0001	4	1225		49.00	0.15		49.15	I. Probe	
SWL0032	4	1215		50.25	0.06		50.31	I. Probe	

From: David Lieberman
To: Crowder, Robb
Subject: RE: Del Amo - Water Level Meter Calibration
Date: Friday, September 15, 2017 2:31:56 PM

The table with our measurements and correction factors is shown below.

Contractor/Site	*Device Serial #*	*Depth to water WCC_04S (ft btoc)*	*Correction*
JHA – Montrose	62300	57.76	-0.05
JHA – Montrose	51725	57.70	0.01
JHA – Montrose	250286	57.71	0.00
Tetratech ILP	51330	57.73	-0.02
AECOM PBF/Torrance	3535	57.70	0.01
AECOM PBF/Torrance	4217	57.71	0.00
Confluence/Montrose	32462	57.68	0.03
BTS – Boeing	1437131	57.69	0.02
BTS - Sound Earth/Jones	1437249	57.68	0.03
BTS – Boeing	1637408	57.72	-0.01
AECOM/Del Amo (TR)	1337128	57.70	0.01
AECOM/Del Amo (JK)	1537243	57.70	0.01
AECOM/Del Amo (MJ)	1537445	57.73	-0.02
BTS – Boeing	1337121	57.74	-0.03
AECOM/PBF	5948	57.74	-0.03
AECOM/PBF	5979	57.74	-0.03
Avocet Boeing	58816	57.72	-0.01
AMEC Honeywell	28529	57.70	0.01
	Average	57.71	
AECOM/Del Amo (TR - Interface Probe)	P092017	57.76	-0.05

David Lieberman, P.E.
Avocet Environmental, Inc.
1 Technology Drive, Suite C515
Irvine, CA 92618
Phone: 949-296-0977x107
Mobile: 949-274-3449

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Del Amo

2017 Well Purge Logs

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MO	Start Date: 9/14/17
Well I.D.: BF-06	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 124.20	Depth to Water: 50.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump SV: 4781 ml
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

Start Purge Time: 0825 Flow Rate: 300 ml/min Pump Depth: 120 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0841	23.4	7.60	637	25	0.31	-117.3	4600	50.73
0844	23.5	7.56	661	6	0.29	-119.7	5700	50.73
0847	23.5	7.56	671	2	0.28	-122.2	6600	50.74
0850	23.5	7.58	679	2	0.28	-123.5	7500	50.74
0853	23.6	7.57	~~670~~ 684	2	0.27	-126.5	8400	50.74

Did well dewater? Yes (No) Amount actually evacuated: 8400

Sampling Time: 0854 Sampling Date: 9/14/17

Sample I.D.: GWS02800 Laboratory: Eurofins/CalScience

Analyzed for: SEECOC Duplicate I.D.: GWS02603 @ 0859

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MS	Start Date: 9/12/17
Well I.D.: BF-13	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 133.89	Depth to Water: 39.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated Grundfos) Bladder Pump SV 5,250 ml
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1009 Flow Rate: 300ml/min Pump Depth: 126 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1027	23.4	7.02	3590	25	0.29	-113.4	5400	39.28
1030	23.4	7.02	3897	17	0.33	-114.7	6300	39.28
1033	23.4	7.02	3999	16	0.34	-117.1	7200	39.28
1036	23.4	7.03	4017	15	0.33	-118.5	8100	39.28
1039	23.5	7.03	4029	15	0.31	-120.4	9000	39.28

Did well dewater? Yes (No) Amount actually evacuated: 9000

Sampling Time: 1040 Sampling Date: 9/12/17

Sample I.D.: GWS02601 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

1/3

Project #: 170905-M01	Client: AECOM@Del Amo
Sampler: MA	Start Date: 9/8/17
Well I.D.: G-01WC	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 86.63	Depth to Water: 36.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated Grundfos) Bladder Pump SV: 3,663 ml
Sampling Method: Dedicated Tubing New Tubing *changed to 200ml/min @0855 Disposable Bailer

Start Purge Time: 0642 Flow Rate: 300ml/min Pump Depth: 85 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0855	23.3	6.90	2569	179	0.53	-101.3	3900	36.90
0858	23.1	6.91	2481	128	0.56	-102.4	4500	36.90
0901	23.3	6.92	2367	134	0.54	-102.5	5100	36.90
0904	23.5	6.92	2335	101	0.51	-100.2	5700	36.90
0907	23.7	6.92	2301	94	0.45	-98.7	6300	36.90
0910	23.5	6.93	2275	101	0.42	-96.6	6900	36.91
0913	23.6	6.93	2280	97	0.40	-98.3	7500	36.91
0916	23.7	6.93	2278	99	0.38	-98.5	8100	36.91
0919	23.6	6.94	2160	87	0.38	-98.7	8700	36.91
0922	23.8	6.94	2131	84	0.38	-98.9	9300	36.91
0925	23.8	6.95	2109	78	0.38	-99.8	9900	36.91

Did well dewater? Yes (No) Amount actually evacuated: 22,500

Sampling Time: 1029 Sampling Date: 9/8/17

Sample I.D.: GWS02773 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.: GWS02812 @1039

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET 2/3

Project #: 170905-M01	Client: AECOM@Del Amo
Sampler: MO	Start Date: 9/8/17
Well I.D.: G-01WC	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 88.83	Depth to Water: 36.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated Grundfos) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Disposable Bailer

Start Purge Time: 0842 Flow Rate: 300 ml/min *changed to 200 ml/min @0855 Pump Depth: 85 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0928	24.0	6.95	2094	73	0.37	-99.5	10,500	36.91
0931	24.2	6.95	2090	70	0.39	-100.3	11,100	36.91
0934	24.1	6.96	2060	62	0.41	-101.4	11,700	36.91
0937	23.9	6.96	2039	63	0.41	-102.3	12,300	36.91
0940	24.0	6.96	2031	55	0.42	-103.2	12,900	36.91
0943	24.0	6.96	2021	53	0.44	-103.8	13,500	36.91
0946	24.1	6.97	2019	52	0.45	-104.4	14,100	36.91
0949	24.4	6.98	1989	46	0.45	-104.8	14,700	36.91
0952	24.4	6.98	1993	43	0.44	-104.9	15,300	36.91
0955	24.6	6.99	1960	40	0.42	-105.5	15,900	36.91
0958	24.6	~~6.~~ 7.00 @	1956	40	0.42	-105.4	16,500	36.91

Did well dewater? Yes (No) Amount actually evacuated: 22,500

Sampling Time: 1029 Sampling Date: 9/8/17

Sample I.D.: GWS02773 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.: GWS02812 @ 1029

Equipment Blank I.D.: @ Time

MS/MSD: GWS02773 @ 1029

LOW FLOW WELL MONITORING DATA SHEET 3/3

Project #: 170905-M01	Client: AECOM@Del Amo
Sampler: MJ	Start Date: 9/6/17
Well I.D.: G-01WC	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 68.83	Depth to Water: 36.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0642 Flow Rate: 300 ml/min * changed to 200 ml/min @0955 Pump Depth: 65 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1001	24.5	7.00	1954	34	0.38	-106.0	17,100	36.91
1004	24.5	7.00	1955	33	0.41	-106.6	17,700	36.91
1007	24.6	7.01	1953	30	0.39	-107.3	18,300	36.91
1010	24.6	7.01	1954	27	0.39	-107.8	18,900	36.91
1013	24.7	7.01	1950	28	0.37	-108.1	19,500	36.91
1016	24.5	7.02	1950	25	0.37	-108.4	20,100	36.91
1019	24.5	7.02	1947	23	0.36	-108.9	20,700	36.91
1022	24.7	7.02	1952	19	0.35	-109.5	21,300	36.91
1025	24.7	7.02	1949	19	0.34	-109.8	21,900	36.91
1028	24.8	7.02	1948	19	0.33	-109.8	22,500	36.91
~~1031~~							~~23,100~~	~~36.91~~

Did well dewater? Yes ~~No~~ Amount actually evacuated: 22,500

Sampling Time: 1029 Sampling Date: 9/6/17

Sample I.D.: GW502773 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.: GW502812 @ 1039

Equipment Blank I.D.: @ Time

MS/MSD: GW502773 @ 1029

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MT	Start Date: 9/6/17
Well I.D.: G-02WC	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 91.12	Depth to Water: 43.97
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated Grundfos) Bladder Pump SV: 3,509 ml
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1248 Flow Rate: 300ml/min Pump Depth: 87 ft

Time	Temp. (°C)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1300	23.9	7.92	957	48	0.36	20.7	3600	44.02
1303	24.4	7.94	929	48	0.32	15.6	4500	44.02
1306	24.2	7.99	872	17	0.29	8.1	5400	44.02
1309	23.9	8.01	877	16	0.26	6.2	6300	44.02
1312	24.0	8.03	883	16	0.25	5.4	7200	44.02
1315	23.9	8.03	880	16	0.22	7.6	8100	44.02

Did well dewater? Yes (No) Amount actually evacuated: 8100

Sampling Time: 1316 Sampling Date: 9/6/17

Sample I.D.: GW502774 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MT	Start Date: 9/12/17
Well I.D.: G-17	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 212.50	Depth to Water: 46.87
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 8,175 ml
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0738 Flow Rate: 300ml/min Pump Depth: 192 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0805	22.0	7.49	1368	14	0.24	-164.1	8400	46.96
0808	22.0	7.49	1366	11	0.26	-165.7	9300	46.96
0811	22.0	7.49	1370	11	0.27	-168.1	10200	46.96
0814	22.0	7.48	1368	9	0.28	-170.1	11,100	46.96
0817	22.1	7.49	1372	9	0.29	-171.7	12000	46.96
0820	22.1	7.49	1369	8	0.29	-172.9	12900	46.96

Did well dewater? Yes (No) Amount actually evacuated: 12,900

Sampling Time: 0821 Sampling Date: 9/12/17

Sample I.D.: GW502802 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #:	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/8/17
Well I.D.: XGW-07A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 57.55	Depth to Water: 33.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

System vol: 2005 mL

Start Purge Time: 0741 Flow Rate: 400 mL/MIN Pump Depth: 52 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0744	20.8	6.15	2195	15	0.80	+140	1200	33.88
0747	21.0	6.19	2286	15	0.55	120	2400	33.88
0750	21.1	6.20	2311	15	0.45	112	3600	33.88
0753	21.1	6.21	2354	15	0.41	108	4800	33.88
0756	21.1	6.23	2378	14	0.39	105	6000	33.88
0759	21.1	6.23	2390	15	0.37	98	7200	33.88
0802	21.2	6.24	2404	16	0.35	95	8400	33.88
0805	21.2	6.25	2429	15	0.35	93	9600	33.88
0808	21.2	6.25	2433	15	0.33	93	10800	33.88
0811	21.2	6.26	2435	14	0.33	92	12000	33.88

Did well dewater? Yes (No) Amount actually evacuated: 12.0L

Sampling Time: 0812 Sampling Date: 9/8/17

Sample I.D.: GWS02755 Laboratory: (Eurofins)/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905_	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/7/17
Well I.D.: XGW-07C	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 91.09	Depth to Water: 35.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI/PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

System Volume 3394 mL

Start Purge Time: 1418 Flow Rate: 400 mL/MIN Pump Depth: 88 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1427	22.3	7.23	876	10	2.24	21	3400	35.50
1430	22.2	7.32	872	11	2.04	14	4600	35.50
1433	22.0	7.23	855	16	1.77	14	5800	35.50
1436	22.0	7.29	862	10	1.54	13	7000	35.50
1439	22.1	7.29	870	9	1.51	13	8200	35.50
1442	22.1	7.29	868	10	1.50	12	9400	35.50

Did well dewater? Yes (No) Amount actually evacuated: 9.4L

Sampling Time: 1443 Sampling Date: 9/7/17

Sample I.D.: GWS02775 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: m	Start Date: ~~DRC~~ 9/13/17
Well I.D.: XMW-01HD	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 59.80	Depth to Water: 39.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated ~~Tubing~~ | New Tubing | Disposable Bailer

System vol. 1928mL

Start Purge Time: 1150 Flow Rate: 300 mL/min Pump Depth: 50 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1157	23.9	6.33	2441	36	0.33	-103	2100	39.60
1200	24.1	6.33	2461	36	0.29	-102	3000	39.60
1203	24.6	6.33	2493	33	0.25	-104	3900	39.60
1206	24.7	6.33	2522	31	0.23	-107	4800	39.60
1209	24.7	6.33	2516	29	0.21	-109	5700	39.60
1212	24.7	6.32	2541	27	0.20	-111	6600	39.60
1215	24.9	6.32	2541	24	0.19	-112	7500	39.60
1218	25.0	6.32	2546	19	0.19	-112	8400	39.60
1221	25.1	6.32	2552	17	0.18	-113	9300	39.60
1224	25.1	6.32	2557	17	0.19	-113	10200	39.60
1227	25.1	6.32	2568	17	0.18	-114	11100	39.60

Did well dewater? Yes (No)	Amount actually evacuated: 11.1 L
Sampling Time: 1228	Sampling Date: 9/13/17
Sample I.D.: GWS02756	Laboratory: (Eurofins)/(CalScience)
Analyzed for: See COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905 —	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/13/17
Well I.D.: XMW-02HD	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 59.80	Depth to Water: 38.94
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

System vol. 1928 mL

Start Purge Time: 0944 Flow Rate: 400 mL/min Pump Depth: 50 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0949	23.4	6.36	1650	20	0.65	-27	2000	39.05
0952	23.5	6.35	1655	20	0.61	-29	3200	39.05
0955	24.0	6.35	1663	21	0.54	-33	4400	39.05
0958	24.2	6.35	1677	21	0.56	-36	5600	39.05
1001	24.3	6.35	1686	18	0.53	-37	6800	39.05
1004	24.3	6.35	1684	19	0.53	-39	8000	39.05
1007	24.3	6.35	1683	19	0.53	-40	9200	39.05
1010	24.3	6.35	1683	19	0.53	-40	10400	39.05

Did well dewater? Yes (No) Amount actually evacuated: 10.4

Sampling Time: 1011 Sampling Date: 9/12/17

Sample I.D.: GWS02757 (MS/MSD) Laboratory: Eurofins/CalScience

Analyzed for: see COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: M	Start Date: 9/13/17
Well I.D.: XMW-03HD	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 59.39	Depth to Water: 38.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

System Vol. 1920 mL

Start Purge Time: 0853 Flow Rate: 400 mL/Min Pump Depth: 50 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0858	23.8	6.35	1843	7	0.61	-53	2000	38.36
0901	23.8	6.34	1844	10	0.51	-54	3200	38.36
0904	24.0	6.33	1846	10	0.44	-55	4400	38.36
0907	24.2	6.33	1855	11	0.39	-56	5600	38.36
0910	24.2	6.33	1857	11	0.36	-57	6800	38.36
0913	24.3	6.33	1862	11	0.35	-57	8000	38.36
0916	24.3	6.33	1868	10	0.34	-57	9200	38.36
0919	24.3	6.33	1878	11	0.34	-57	10400	38.36

Did well dewater? Yes (No) Amount actually evacuated: 10.4L

Sampling Time: ~~0920~~ 0921 Sampling Date: 9/13/17

Sample I.D.: GWS02758 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 17295-MJ1	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/14/17
Well I.D.: MW-04HD	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: Del. Pump	Depth to Water: 39.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated) Grundfos Bladder Pump SV: 2198
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1243 Flow Rate: 300 mL/min Pump Depth: 57 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1251	25.5	6.51	2857	3	0.36	-135.8	2400	39.52
1254	25.9	6.48	2869	2	0.32	-127.3	3300	39.52
1257	25.9	6.47	2883	1	0.30	-121.9	4200	39.52
1300	26.0	6.46	2890	1	0.27	-118.7	5100	39.52
1303	26.1	6.45	2892	1	0.25	-116.5	6000	39.52

Did well dewater? Yes (No)	Amount actually evacuated: 6.0
Sampling Time: 1305	Sampling Date: 09/14/17
Sample I.D.: GW502759	Laboratory: Eurofins/CalScience
Analyzed for: Tee GC	Duplicate I.D.: GW502804 @1310
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MO1	Client: **AECOM@Del Amo**
Sampler: MO	Start Date: 9/13/17
Well I.D.: MW-14	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 72.20	Depth to Water: 51.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (0) Dedicated Grundfos Bladder Pump SV: 2776 ml
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1257 Flow Rate: 200 ml/min Pump Depth: _____ ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1311	25.1	6.61	2409	36	1.07	-90.2	2800	51.61
1314	25.2	6.61	2445	42	1.04	-93.2	3400	51.61
1317	25.2	6.61	2453	27	0.88	-95.2	4000	51.61
1320	25.4	6.60	2483	24	0.72	-97.2	4600	51.61
1323	25.5	6.60	2591	21	0.57	-99.1	5200	51.61
1326	25.6	6.59	2584	15	0.46	-100.5	5800	51.61
1329	25.5	6.59	2610	14	0.40	-100.9	6400	51.61
1332	25.6	6.59	2607	14	0.36	-101.4	7000	51.61

Did well dewater? Yes (No) Amount actually evacuated: 7000

Sampling Time: 1333 Sampling Date: 9/13/17

Sample I.D.: GWS02795 Laboratory: Eurofins/CalScience

Analyzed for: SRECOC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET *Dedicated pump removed

Project #: 170905-M01	Client: AECOM@Del Amo
Sampler: MS	Start Date: 9/13/17
Well I.D.: MW-21	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 67.30	Depth to Water: 45.14
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 2545ml
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0910 Flow Rate: 200ml/min Pump Depth: 62 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0923	24.9	6.60	1905	61	1.01	-100.3	2600	45.25
0926	24.9	6.61	1890	54	1.02	-102.4	3200	45.25
0929	25.1	6.60	1864	48	0.98	-104.3	3800	45.25
0932	25.1	6.60	1886	42	0.84	-106.5	4400	45.25
0935	25.1	6.60	1893	35	0.66	-109.1	5000	45.25
0938	25.2	6.60	1890	30	0.57	-110.3	5600	45.25
0941	25.3	6.60	1889	29	0.53	-111.2	6200	45.25
0944	25.2	6.60	1876	26	0.49	-111.5	6800	45.25
0947	25.5	6.60	1878	23	0.46	-112.4	7400	45.25
0950	25.2	6.60	1865	21	0.43	-113.4	8000	45.25
0953	25.4	6.60	1876	20	0.41	-113.6	8600	45.25

Did well dewater? Yes (No) Amount actually evacuated: 10,400

Sampling Time: 1003 Sampling Date: 9/13/17

Sample I.D.: GWS02796 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MM	Start Date: 9/13/17
Well I.D.: MW-21	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 67.30	Depth to Water: 45.14
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (0) Dedicated Grundfos Bladder Pump SV: 2545ml
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 0910 Flow Rate: 200 ml/min Pump Depth: 62 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0956	25.4	6.60	1882	18	0.40	-113.8	9200	45.25
0959	25.3	6.60	1874	17	0.38	-114.5	9800	45.25
1002	25.5	6.60	1887	17	0.37	-114.9	10,400	45.25

Did well dewater? Yes (No) Amount actually evacuated: 10400

Sampling Time: 1003 Sampling Date: 9/13/17

Sample I.D.: GWS02796 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905 ~~107~~	Client: **AECOM@Del Amo**
Sampler: MS	Start Date: 9/7/17
Well I.D.: ~~MW~~ MW-27	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: ~~74.68~~ 75.00	Depth to Water: 49.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | (Dedicated) Bladder Pump | SV: 655 ml

Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1434 Flow Rate: 400ml/min Pump Depth: ~68 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1436	24.5	6.96	2393	5	0.57	15.3	800	49.03
1439	24.3	6.98	2413	5	0.57	12.6	2000	49.03
1442	24.1	6.98	2443	3	0.61	14.8	3200	49.03
1445	24.6	6.96	2469	3	0.72	18.0	4400	49.03
1448	24.6	6.98	2467	3	0.70	21.3	5600	49.03
~~1451~~								

Did well dewater? Yes (No) Amount actually evacuated: 5600

Sampling Time: 1449 Sampling Date: 9/7/17

Sample I.D.: GWS02797 Laboratory: Eurofins/CalScience

Analyzed for: SrCOC Duplicate I.D.: GWS08614

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-PM1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/12/17
Well I.D.: XMW-2B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: Ded. Pump	Depth to Water: 48.51
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | (Dedicated Grundfos) | Bladder Pump Jv: 2,429
Sampling Method: (Dedicated Tubing) | New Tubing | Disposable Bailer

Start Purge Time: 1303 Flow Rate: 200mL/min Pump Depth: 63 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1316	22.3	6.53	4126	1	0.98	-86.3	2600	48.55
1319	22.5	6.50	4131	1	0.93	-86.4	3200	48.55
1322	22.7	6.49	4141	1	0.86	-86.9	3800	48.55
1325	22.8	6.48	4143	1	0.83	-88.4	4400	48.55
1328	22.9	6.47	4148	1	0.80	-89.1	5000	48.55

Did well dewater? Yes (No)	Amount actually evacuated: 5.0L
Sampling Time: 1330	Sampling Date: 09/12/17
Sample I.D.: GW502798	Laboratory: Eurofins/CalScience
Analyzed for: 8260 WL	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-151	Client: **AECOM@Del Amo**
Sampler: MG	Start Date: 9/13/17
Well I.D.: MW-29	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 73.00	Depth to Water: 48.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 2815 ml
Sampling Method: (Dedicated Tubing) | New Tubing | Disposable Bailer

Start Purge Time: 1047 Flow Rate: 300 ml/min 200 ml/min @ 1100 Pump Depth: 65 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1057	23.1	6.46	2583	9	1.35	-105.7	3000	48.26
1100	23.5	6.48	2522	9	1.23	-115.7	3600	48.33
1103	23.8	6.48	2514	9	1.03	-119.8	4200	48.33
1106	24.0	6.48	2505	8	0.66	-124.1	4800	48.33
1109	24.1	6.48	2496	8	0.57	-128.8	5400	48.33
1112	24.1	6.49	2489	8	0.55	-128.3	6000	48.33

Did well dewater? Yes (No) Amount actually evacuated: 6000

Sampling Time: 1113 Sampling Date: 9/13/17

Sample I.D.: GW502799 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

* Sediment collected during sampling

PAGE 1/2 **LOW FLOW WELL MONITORING DATA SHEET**

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/8/17
Well I.D.: P2L0001	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 54.90	Depth to Water: 33.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

2/12/mL System volume

Start Purge Time: 1120 Flow Rate: 300 mL/MIN Pump Depth: 55 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1128	23.7	6.89	917	137	0.56	-117	2400	33.99
1131	24.2	6.97	925	177	0.47	-124	3300	33.99
1134	24.4	6.99	909	375	0.52	-125	4200	33.99
1137	24.6	7.00	921	658	0.51	-127	5100	33.99
1140	24.5	7.00	945	538	0.44	-127	6000	33.99
1143	24.6	7.01	935	402	0.36	-127	6900	33.99
1146	24.5	7.02	918	259	0.33	-127	7800	33.99
1149	24.5	7.02	930	202	0.31	-127	8720	33.99
1152	24.1	7.03	926	140	0.28	-127	9600	33.99
1155	24.2	7.07	937	119	0.28	-128	10500	33.99
1158	24.2	7.06	930	89	0.27	-127	11400	33.99

Did well dewater? Yes (No)	Amount actually evacuated: 17.7 L
Sampling Time: 1220	Sampling Date: 9/8/17
Sample I.D.: GWS0271L	Laboratory: Eurofins/CalScience
Analyzed for: see COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

PAGE 2/

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/8/17
Well I.D.: P2L0001	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 59.90	Depth to Water: 33.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

2.21 mL System Volume

Start Purge Time: 1120 Flow Rate: 300 mL/min Pump Depth: 55 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1201	24.2	7.07	941	84	0.25	-128	12300	33.99
1204	24.2	7.04	947	74	0.23	-128	13200	33.99
1207	24.2	7.07	940	42	0.22	-131	14100	33.99
1210	24.2	7.07	938	28	0.19	-130	15000	33.99
1213	24.2	7.09	929	19	0.19	-131	15900	33.99
1216	24.2	7.09	925	19	0.18	-132	16800	33.99
1219	24.2	7.09	924	18	0.19	-132	17700	33.99

Did well dewater? Yes (No) Amount actually evacuated: 17.7 L

Sampling Time: 1220 Sampling Date: 9/8/17

Sample I.D.: GWS0271 6 Laboratory: (Eurofins)/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/07/17
Well I.D.: PZL0006	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: Del Pump	Depth to Water: ~~47.60~~ ~~47.73~~ 42.47
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1447 Flow Rate: 200 mL/min Pump Depth: Ded. ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1450	24.3	7.03	1694	96	1.39	-28.1	600	42.60
1453	24.3	6.98	1707	76	1.36	-36.8	1200	42.61
1456	24.6	6.94	1706	48	1.36	-38.7	1800	42.60
1459	24.9	6.91	1709	34	1.21	-40.2	2400	42.59
1502	25.1	6.89	1719	21	1.11	-44.9	3000	42.58
1505	25.3	6.88	1722	15	1.01	-47.5	3600	42.57
1508	25.4	6.85	1722	12	0.93	-46.1	4200	42.57
1511	25.5	6.86	1725	8	0.85	-47.8	4800	42.57
1514	25.6	6.86	1723	5	0.77	-50.7	5400	42.57
1517	25.7	6.86	1725	5	0.66	-52.8	6000	42.57
1520	25.8	6.85	1728	4	0.59	-52.7	6600	42.57

Did well dewater? Yes (No) Amount actually evacuated: 6.6 L

Sampling Time: 1522 Sampling Date: 09/07/17

Sample I.D.: GW502717 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

PAGE 1/2 **LOW FLOW WELL MONITORING DATA SHEET**

Project #: 170905-	Client: **AECOM@Del Amo**
Sampler: TM	Start Date: 9/8/17
Well I.D.: PZL0007	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 61.42	Depth to Water: 28.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

SYSTEM VOLUME: 212mL

Start Purge Time: 1005 Flow Rate: ~300 mL/MIN Pump Depth: 55 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1013	22.9	7.11	1156	192	1.05	-106	2400	28.40
1016	23.2	7.12	1166	136	1.02	-103	3300	28.40
1019	23.2	7.10	1169	102	0.83	-103	4200	28.40
1022	23.3	7.10	1181	80	0.81	-103	5100	28.40
1025	23.2	7.10	1183	55	0.77	-103	6000	28.40
1028	23.3	7.08	1190	47	0.69	-103	6900	28.40
1031	23.3	7.06	1202	37	0.64	-103	7800	28.40
1034	23.4	7.05	1208	28	0.58	-105	8700	28.40
1037	23.4	7.05	1211	20	0.57	-103	9600	28.40
1040	23.4	7.05	1227	20	0.55	-105	10500	28.40
1043	23.3	7.05	1225	18	0.55	-105	11400	28.40

Did well dewater? Yes (No) Amount actually evacuated: 14.1

Sampling Time: TM ~~1044~~ 1053 Sampling Date: 9/8/17

Sample I.D.: GWS0271B Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

PG: 2/2

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/8/17
Well I.D.: P210007	Well Diameter: 2 3 4 6 8 ___
Total Well Depth: 61.42	Depth to Water: 28.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1005 Flow Rate: 300 mL/MIN Pump Depth: 55 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1046	23.3	7.04	1245	13	0.53	-108	12300	28.40
1049	23.3	7.04	1242	13	0.53	-108	13200	28.40
1052	23.3	7.04	1242	14	0.53	-109	14100	28.40

Did well dewater? Yes (No)	Amount actually evacuated: 14.1 L
Sampling Time: 1053	Sampling Date: 9/8/17
Sample I.D.: GWS02718	Laboratory: Eurofins/CalScience
Analyzed for: See COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/08/17
Well I.D.: P2L0009	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: Ded. Pump	Depth to Water: 48.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump — 1V: 2313 mL
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1300 Flow Rate: 200 mL/min Pump Depth: ~~Ded. Pump~~ 60' ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1303	23.7	7.06	2684	8	1.44	-119.4	600	48.51
1306	23.5	6.89	2682	5	1.30	-123.1	1200	48.51
1309	23.6	6.84	2681	3	1.11	-125.6	1800	48.51
1312	24.0	6.79	2680	2	0.99	-128.6	2400	48.51
1315	24.4	6.77	2684	2	0.93	-129.9	3000	48.51
1318	24.6	6.75	2685	2	0.89	-131.4	3600	48.51
1321	24.7	6.77	2687	1	0.86	-132.5	4200	48.51

Did well dewater? Yes (No) Amount actually evacuated: 4.2L

Sampling Time: 1323 Sampling Date: 09/08/17

Sample I.D.: GLS02719 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JT	Start Date: 09/08/17
Well I.D.: PZ-0010	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 68.28	Depth to Water: 42.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

Start Purge Time: 0805 Flow Rate: ~~350~~ 400 mL/min Pump Depth: 60' ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0808	22.3	6.70	2953	42	1.54	27.1	~~1050~~ 1200	42.82
0811	22.9	6.65	2959	38	1.43	22.3	2400	42.83
0814	23.8	6.61	2965	26	1.45	18.7	3600	42.83
0817	24.0	6.60	2970	25	1.35	16.2	4800	42.83
0820	24.2	6.59	2965	21	1.23	9.1	6000	42.83
0823	24.3	6.59	2964	25	1.21	6.5	7200	42.83
0826	24.4	6.60	2962	27	1.16	6.4	8400	42.83
0829	24.3	6.61	2968	27	1.17	6.1	9600	42.83
0832	24.3	6.62	2966	25	1.16	6.0	10800	42.83
0835	24.2	6.63	2967	25	1.15	5.7	12000	42.83
0838	24.3	6.63	2963	24	1.13	5.0	13200	42.83

Did well dewater? Yes (No) Amount actually evacuated: 16.8L

Sampling Time: 0850 Sampling Date: 09/08/17

Sample I.D.: GWS0720 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

4/12

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170105-MJ1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/08/17
Well I.D.: PZL0010	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 67.28	Depth to Water: 42.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

Start Purge Time: 0805 Flow Rate: 400 mL/min Pump Depth: 60' ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0841	24.7	6.64	2965	19	1.11	4.6	14400	42.83
0844	24.8	6.64	2963	20	1.07	4.3	15600	42.83
0847	24.8	6.65	2962	19	1.04	4.1	16800	42.83

Did well dewater? Yes (No) Amount actually evacuated: 16.8L

Sampling Time: 0850 Sampling Date: 09/08/17

Sample I.D.: 6155027-20 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MO1	Client: **AECOM@Del Amo**
Sampler: MO	Start Date: 9/14/17
Well I.D.: PZL0011	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 52.70	Depth to Water: 31.23
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 2000 ml
Sampling Method: (Dedicated Tubing) | New Tubing | Disposable Bailer

Start Purge Time: 1001 Flow Rate: 200 ml/min Pump Depth: 45 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1011	26.5	6.58	2056	176	1.13	-74.9	2000	31.39
1014	26.4	6.57	2060	149	1.18	-82.4	2600	31.39
1017	26.5	6.57	2068	114	1.07	-88.4	3200	31.39
1020	26.7	6.57	2065	98	0.98	-91.3	3800	31.39
1023	26.4	6.57	2078	77	0.89	-93.1	4400	31.39
1026	26.4	6.57	2081	58	0.78	-94.9	5000	31.39
1029	26.4	6.57	2078	59	0.66	-96.7	5600	31.39
1032	26.8	6.57	2075	43	0.61	-97.5	6200	31.39
1035	26.8	6.57	2091	38	0.53	-99.5	6800	31.39
1038	27.0	6.57	2105	32	0.46	-101.1	7400	31.39
1041	27.2	6.57	2103	27	0.41	-102.8	8000	31.39

Did well dewater? Yes (No) Amount actually evacuated: 10400

Sampling Time: 1053 Sampling Date: 9/14/17

Sample I.D.: GW502721 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET P9 2 of 2

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MD	Start Date: 9/14/17
Well I.D.: PZLOB11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 52.70	Depth to Water: 31.23
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV 2000 ml
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1001 Flow Rate: 200 ml/min Pump Depth: 45 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1043	27.2	6.57	2113	21	0.39	-103.8	4600	31.39
1046	27.3	6.57	2115	18	0.36	-105.7	9200	31.39
1049	27.3	6.57	2120	16	0.33	-107.7	9800	31.39
1052	27.3	6.57	2128	18	0.31	-109.8	10,400	31.39

Did well dewater? Yes (No) Amount actually evacuated: 10400

Sampling Time: 1053 Sampling Date: 9/14/17

Sample I.D.: GW50272 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

PAGE 1/7 **LOW FLOW WELL MONITORING DATA SHEET**

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: M	Start Date: 9/14/17
Well I.D.: PZL0012	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 57.75	Depth to Water: 37.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

Sys. volume 1812mL

Start Purge Time: 0745 Flow Rate: 400 mL/min Pump Depth: 47 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0750	20.1	6.25	1434	43	1.58	-11	2000	38.00
0753	20.1	6.25	1491	36	1.19	-5	3200	38.00
0756	20.1	6.24	1517	36	1.09	-9	4400	38.00
0759	20.1	6.23	1612	61	0.93	-26	5600	38.01
0802	20.4	6.24	1667	85	0.84	-31	6800	38.01
0805	21.2	6.24	1735	123	0.38	-38	8000	38.01
0808	21.8	6.25	1798	179	0.31	-44	9200	38.01
0811	22.0	6.26	1835	173	0.28	-48	10400	38.01
0814	22.0	6.26	1860	170	0.26	-50	11600	38.01
0817	22.5	6.26	1890	174	0.24	-53	12800	38.01
0820	22.8	6.27	1935	185	0.21	-56	14000	38.01

Did well dewater? Yes (No)	Amount actually evacuated: 9.2L
Sampling Time: 1136	Sampling Date: 9/14/17
Sample I.D.: GWS02722	Laboratory: Eurofins/CalScience
Analyzed for: See COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

PAGE 2/7 **LOW FLOW WELL MONITORING DATA SHEET**

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/14/17
Well I.D.: PZL0012	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 57.75	Depth to Water: 37.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Sys vol: 1812 mL

Start Purge Time: 0745 Flow Rate: 400 mL/min Pump Depth: 47 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0823	22.7	6.28	1945	166	0.21	-57	15200	38.01
0826	22.8	6.28	1949	134	0.20	-58	16400	38.01
0829	22.8	6.28	1982	120	0.19	-60	17600	38.01
0832	22.9	6.28	1987	112	0.19	-61	18800	38.01
0835	22.9	6.28	1999	103	0.18	-63	20000	38.01
0838	22.8	6.28	2011	97	0.19	-63	21200	38.01
0841	22.8	6.28	2040	149	0.18	-65	22400	38.01
0844	22.8	6.28	2049	153	0.18	-65	23600	38.01
0847	22.9	6.28	2052	150	0.17	-66	24800	38.01
0850	23.0	6.28	2060	145	0.17	-67	26000	38.01
0853	23.1	6.29	2080	160	0.17	-67	27200	38.01

Did well dewater? Yes (No) Amount actually evacuated: 9.2 L

Sampling Time: 1136 Sampling Date: 9/14/17

Sample I.D.: GWS02722 Laboratory: Eurofins/CalScience

Analyzed for: see COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: M	Start Date: 9/14/17
Well I.D.: P2L0012	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 57.75	Depth to Water: 37.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" (Grundfos Pump) Dedicated Grundfos Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

(3 vol: 1812 mL)

Start Purge Time: 0745 Flow Rate: 400 mL/min Pump Depth: 47 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0852	23.0	6.29	2085	144	0.15	-68	28400	38.01
0855	23.0	6.29	2071	142	0.15	-67	29600	38.01
0902	23.0	6.28	2070	136	0.14	-67	30800	38.01
0905	22.9	6.29	2090	145	0.14	-69	32000	38.01
0908	22.9	6.29	2111	142	0.13	-70	33200	38.01
0911	23.1	6.29	2116	145	0.13	-70	34400	38.01
0914	23.1	6.29	2124	141	0.12	-71	35600	38.01
0917	23.2	6.29	2140	147	0.12	-72	36800	38.01
0920	23.2	6.29	2143	139	0.12	-71	38000	38.01
0923	23.2	6.30	2137	113	0.12	-72	39200	38.01
0926	23.1	6.30	2128	109	0.12	-70	40400	38.01

Did well dewater? Yes (No) Amount actually evacuated: 92 L

Sampling Time: 1136 Sampling Date: 9/14/17

Sample I.D.: GWS02722 Laboratory: (Eurofins)/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: tn	Start Date: 9/14/17
Well I.D.: P2 L0012	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 57.75	Depth to Water: 37.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0745 Flow Rate: 400 mL/min Pump Depth: 47 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0929	23.1	6.29	2127	124	0.12	-71	41600	38.01
0932	23.2	6.29	2140	118	0.12	-72	42800	38.01
0935	23.3	6.30	2147	106	0.11	-72	44000	38.01
0938	23.3	6.30	2150	113	0.11	-72	45200	38.01
0941	23.3	6.30	2152	120	0.11	-72	46400	38.01
0944	23.4	6.30	2170	124	0.11	-73	47600	38.01
0947	23.4	6.30	2179	117	0.11	-74	48800	38.01
0950	23.6	6.31	2184	119	0.11	-74	50000	38.01
0953	23.6	6.31	2200 µS	112	0.11	-74	51200	38.01
0956	23.6	6.31	2200	118	0.11	-75	52400	38.01
0959	23.6	6.31	2201	121	0.11	-75	53600	38.01

Did well dewater? Yes (No) Amount actually evacuated: 92.0 L

Sampling Time: 1136 Sampling Date: 9/14/17

Sample I.D.: GWS02722 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

PAGE 5/7 **LOW FLOW WELL MONITORING DATA SHEET**

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TM	Start Date: 9/14/17
Well I.D.: P2L0012	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 57.75	Depth to Water: 37.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

Start Purge Time: 0745 Flow Rate: 400 mL/min Pump Depth: 47 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1002	23.6	6.31	2209	116	0.11	-76	54800	38.01
1005	23.7	6.32	2214	109	0.11	-77	56000	38.01
1008	23.7	6.31	2218	115	0.11	-77	57200	38.01
1011	23.7	6.31	2219	105	0.11	-78	58400	38.01
1014	23.7	6.31	2215	121	0.11	-77	59600	38.01
1017	23.7	6.31	2219	109	0.11	-77	60800	38.01
1020	23.7	6.31	2212	108	0.11	-77	62000	38.01
1023	23.7	6.31	2199	121	0.11	-77	63200	38.01
1026	23.7	6.30	2199	99	0.11	-77	64400	38.01
1029	23.6	6.30	2202	92	0.11	-77	65600	38.01
1032	23.6	6.30	2201	82	0.11	-77	66800	38.01

Did well dewater? Yes (No)	Amount actually evacuated: 92.0L
Sampling Time: 1136	Sampling Date: 9/14/17
Sample I.D.: GWS002722	Laboratory: (Eurofins/CalScience)
Analyzed for: see COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

PAGE 6/7 **LOW FLOW WELL MONITORING DATA SHEET**

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 9/14/17
Well I.D.: MW0012	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 57.75	Depth to Water: 37.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0745 Flow Rate: 400 mL/min Pump Depth: 47 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1035	23.6	6.30	2227	104	0.10	-77	68000	38.01
1038	23.6	6.30	2216	95	0.09	-78	69200	38.01
1041	23.6	6.31	2229	85	0.09	-78	70400	38.01
1044	23.6	6.31	2221	121	0.09	-78	71600	38.01
1047	23.7	6.31	2230	102	0.08	-79	72800	38.01
1050	23.7	6.31	2220	92	0.08	-79	74000	38.01
1053	23.7	6.31	2233	131	0.08	-79	75200	38.01
1056	23.7	6.31	2228	91	0.08	-79	76400	38.01
1059	23.8	6.31	2230	93	0.07	-79	77600	38.01
1102	24.0	6.31	2244	88	0.07	-79	78800	38.01
1105	24.0	6.31	2245	95	0.07	-80	80000	38.01

Did well dewater? Yes (No) Amount actually evacuated: 92.0 L

Sampling Time: 1136 Sampling Date: 9/14/17

Sample I.D.: GWS02722 Laboratory: (Eurofins)/(CalScience)

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/14/17
Well I.D.: PZL0012	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 57.75	Depth to Water: 37.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

Start Purge Time: 0745 Flow Rate: 400mL/min Pump Depth: 47 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1108	24.1	6.31	2249	113	0.07	-80	81200	38.01
1111	24.2	6.31	2251	107	0.06	-80	82400	38.01
1114	24.1	6.32	2258	99	0.07	-81	83600	38.01
1117	24.2	6.32	2249	63	0.07	-80	84800	38.01
1120	24.2	6.32	2196	49	0.07	-80	86000	38.01
1123	24.2	6.32	2161	61	0.07	-79	87200	38.01
1126	24.2	6.31	2201	92	0.07	-80	88400	38.01
1129	24.2	6.32	2216	89	0.07	-80	89600	38.01
~~1132~~ 1133	24.2	6.32	2279	92	0.07	-80	90800	38.01
~~1135~~ 1135	24.2	6.32	2235	90	0.07	-80	92000	38.01
—	SAMPLE COLLECTED PER AECOM							

Did well dewater? Yes (No) Amount actually evacuated: 92.0L

Sampling Time: 1136 Sampling Date: 9/14/17

Sample I.D.: GW502722 Laboratory: (Eurofins/CalScience)

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

PAGE 1/2 **LOW FLOW WELL MONITORING DATA SHEET**

Project #: 170905 -	Client: **AECOM@Del Amo**
Sampler: M	Start Date: 9/13/17
Well I.D.: P2L0013	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 57.03	Depth to Water: 40.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

System vol. 3850 mL

Start Purge Time: 1316 Flow Rate: 400mL/min Pump Depth: 51 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1326	28.3	6.35	2831	33	1.12	-109	4000	40.18
1329	28.3	6.34	2841	39	0.83	-109	5200	40.18
1332	28.4	6.33	2836	41	0.79	-113	6400	40.18
1335	28.5	6.33	2838	38	0.75	-116	7600	40.18
1339	28.4	6.33	2830	35	0.72	-120	8800	40.18
1341	28.2	6.33	2821	29	0.66	-123	10000	40.18
1344	28.1	6.32	2819	25	0.64	-125	11200	40.18
1347	28.1	6.33	2829	26	0.63	-125	12400	40.18
1350	28.2	6.33	2839	23	0.62	-125	13600	40.18
1353	28.2	6.33	2844	21	0.63	-126	14800	40.18
1356	28.3	6.33	2848	23	0.61	-126	16000	40.18

Did well dewater? Yes (No)	Amount actually evacuated: 20.8L
Sampling Time: 1408	Sampling Date: 9/13/17
Sample I.D.: GWS02723	Laboratory: Eurofins/CalScience
Analyzed for: see COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

PAGE 2/2 **LOW FLOW WELL MONITORING DATA SHEET**

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: JR	Start Date: 9/13/17
Well I.D.: PZ-0013	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 57.03	Depth to Water: 40.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

System for 3850

Start Purge Time: 1316 Flow Rate: 400 mL/min Pump Depth: 51' ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1359	28.3	6.33	2842	22	0.59	-127	17200	40.18
1402	28.4	6.33	2841	17	0.57	-129	18400	40.18
1405	28.4	6.33	2832	16	0.56	-130	19600	40.18
1408	28.3	6.33	2824	17	0.54	-130	20800	40.18

Did well dewater? Yes (No) Amount actually evacuated: 20.8 L

Sampling Time: 1409 Sampling Date: 9/12/17

Sample I.D.: GWS02723 Laboratory: Eurofins/CalScience

Analyzed for: see COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

(1/2)

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/08/17
Well I.D.: MW-0014	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 64.52	Depth to Water: 42.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (3) Dedicated Grundfos Bladder Pump SN: 2275
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1035 Flow Rate: 400 mL/min Pump Depth: 59' ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1038	24.0	7.31	2133	77	4.53	39.8	1200	42.71
1041	24.2	7.19	2136	99	4.33	43.4	2400	42.71
1044	24.5	7.14	2142	132	4.98	49.2	3600	42.72
1047	25.3	7.10	2143	159	4.07	53.2	4800	42.72
1050	26.0	7.07	2158	131	3.84	58.0	6000	42.73
1053	26.1	7.05	2159	135	3.71	59.9	7200	42.73
1056	26.2	7.05	2162	114	3.58	59.7	8400	42.73
1059	26.3	7.04	2162	~~1000~~ 100 (D2)	3.54	59.7	9600	42.74
1102	26.3	7.04	2164	83	3.45	59.1	10800	42.74
1105	26.5	7.04	2160	68	3.30	58.4	12000	42.74
1108	26.7	7.04	2156	50	3.20	58.9	13200	42.74

Did well dewater? Yes (No) Amount actually evacuated: 21.6L

Sampling Time: 1131 Sampling Date: 09/08/17

Sample I.D.: GWS02724 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

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Project #: 170905 MJ1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/08/17
Well I.D.: PZ1004	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 64.52	Depth to Water: 42.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1035 Flow Rate: 400mL/min Pump Depth: 59' ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1111	26.7	7.04	250	49	3.00	58.7	14400	42.74
1114	26.7	7.04	2139	36	2.99	58.9	15600	42.74
1117	26.9	7.03	2136	32	2.88	59.0	16800	42.74
1120	26.8	7.04	2131	27	2.77	59.2	18000	42.74
1123	26.7	7.04	2126	19	2.70	59.3	19200	42.74
1126	26.7	7.04	2118	18	2.66	60.3	20400	42.74
1129	26.7	7.04	2114	18	2.62	60.8	21600	42.74

Did well dewater? Yes (No) Amount actually evacuated: 21.6L

Sampling Time: 1131 Sampling Date: 09/08/17

Sample I.D.: GWS0274 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-PJ1	Client: AECOM@Del Amo
Sampler: JL	Start Date: 09/13/17
Well I.D.: P2L0016	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 69.30	Depth to Water: 45.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (9) Dedicated Grundfos Bladder Pump SV: 2,198
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 0803 Flow Rate: 200mL/min → 300mL/min @0814 Pump Depth: 57' ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0814	21.5	7.25	1601	75	3.40	-141.9	2200	45.50
0817	22.4	~~7.17~~	1597	54	3.41	-143.4	3100	45.50
0820	22.8	7.13	1600	49	3.30	-145.3	4000	45.50
0823	23.2	7.09	1601	39	3.35	-146.4	4900	45.50
0826	23.6	7.07	1603	34	3.28	-147.2	5800	45.50
0829	23.7	7.06	1605	30	3.30	-147.6	6700	45.50
0832	23.8	7.05	1602	28	3.29	-149.6	7600	45.50
0835	23.9	7.04	1603	~~24~~	3.25	-151.4	8500	45.50
0838	24.0	7.04	1601	22	3.27	-153.1	9400	45.50
0841	24.1	7.04	1602	20	3.22	-153.8	10300	45.50
0844	24.2	7.04	1605	19	3.20	-154.1	11200	45.50

Did well dewater? Yes (No) Amount actually evacuated: 12.1L

Sampling Time: 0850 Sampling Date: 09/13/17

Sample I.D.: GL502725 Laboratory: Eurofins/CalScience

Analyzed for: Lee Col Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M51	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/13/17
Well I.D.: P240016	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 63.30	Depth to Water: 45.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 2,198
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0803 Flow Rate: 300mL/min @0814 Pump Depth: 57' ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0847	24.3	7.04	1604	19	3.17	455.1	12100	45.50

Did well dewater? Yes (No) Amount actually evacuated: 12.1L

Sampling Time: 0850 Sampling Date: 09/13/17

Sample I.D.: GWS02725 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M07	Client: **AECOM@Del Amo**
Sampler: MS	Start Date: 9/11/17
Well I.D.: PZL0018	Well Diameter: (2) 3 (4) 6 8 ____
Total Well Depth: ____	Depth to Water: 42.56
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 1935 ml
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1057 Flow Rate: 200 ml/min Pump Depth: 50 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1107	22.9	6.88	1336	9	0.76	50.1	2000	42.71
1110	23.1	6.88	1339	4	0.71	44.1	2600	42.71
~~1113~~	23.3	6.88	1335	4	0.65	42.8	3200	42.71
1116	23.3	6.88	1333	3	0.61	43.7	3800	42.71
1119	23.4	6.88	1342	3	0.56	45.6	4200	42.71

Did well dewater? Yes (No) Amount actually evacuated: 4200

Sampling Time: 1120 Sampling Date: 9/11/17

Sample I.D.: GW02726 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MA	Start Date: 9/12/17
Well I.D.: PZ0020	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 68.00	Depth to Water: 45.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated Grundfos) Bladder Pump SV: 2545 ml
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer
Start Purge Time: 1352 Flow Rate: 300 ml/min Pump Depth: 66 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1401	26.2	6.42	3868	1	1.26	~~-124.8~~	~~2700~~	45.22
1404	26.4	6.42	3825	1	1.15	-128.9	3600	45.22
1407	26.6	6.42	3795	1	0.93	-134.5	4500	45.22
1410	26.7	6.42	3788	1	0.80	-137.1	5400	45.22
1413	26.8	6.42	3783	1	0.72	-138.8	6300	45.22
1416	26.7	6.42	3784	1	0.61	-140.8	7200	45.22

Did well dewater? Yes (No) Amount actually evacuated: 7200
Sampling Time: 1417 Sampling Date: 9/12/17
Sample I.D.: GW02728 Laboratory: Eurofins/CalScience
Analyzed for: See COC Duplicate I.D.:
Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MJ	Start Date: 9/11/17
Well I.D.: ~~GWL0022~~ MJ PZL0022	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 60.00	Depth to Water: 42.74
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump Dedicated Grundfos Bladder Pump SV: 2000 ml
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1204 Flow Rate: 200ml/min Pump Depth: 52 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
~~1~~ MJ 1214	24.7	6.49	2198	6	1.01	50.9	2000	43.00
1217	24.9	6.49	2203	4	1.13	36.0	2600	43.00
~~1218~~ 1220 MJ	24.9	6.48	2205	4	1.14	32.4	3200	43.00
1223	24.9	6.48	2204	3	1.03	27.8	3800	43.00
1226	25.0	6.48	2201	3	0.83	24.5	4400	43.00
1229	25.1	6.48	2200	3	0.71	22.5	5000	43.00
1232	25.0	6.48	2196	3	0.70	20.6	5600	43.00

Did well dewater? Yes No	Amount actually evacuated: 5600
Sampling Time: 1233	Sampling Date: 9/11/17
Sample I.D.: GWS02729	Laboratory: Eurofins/CalScience
Analyzed for: SeeCOC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MD	Start Date: 9/11/17
Well I.D.: PZL0024	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 67.76	Depth to Water: 44.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump / Dedicated Grundfos / Bladder Pump SV: 2,120 ml
Sampling Method: Dedicated Tubing / New Tubing / Disposable Bailer

Start Purge Time: 0602 Flow Rate: 200 ml/min Pump Depth: 54 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0613	23.9	6.55	2343	26	0.95	-37.2	2200	44.90
0616	24.1	6.56	2347	23	1.00	-39.3	2800	44.90
0619	24.2	6.56	2342	20	1.08	-40.2	3400	44.90
0622	24.3	6.56	2348	19	1.13	-41.8	4000	44.90
0625	24.4	6.56	2354	19	1.06	-42.9	4600	44.90

Did well dewater? Yes (No) Amount actually evacuated: 4600

Sampling Time: 0626 Sampling Date: 9/11/17

Sample I.D.: GWS02730 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MT	Start Date: 9/11/17
Well I.D.: PZL0025	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 67.51	Depth to Water: 47.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump Dedicated Grundfos Bladder Pump SV: 2,622 ml
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 0852 Flow Rate: 200 ml/min Pump Depth: 53 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0906	25.1	6.45	3396	79	1.12	13.0	2800	47.50
0909	25.1	6.45	3358	66	0.96	11.4	3400	47.50
0912	25.3	6.45	3354	54	0.85	9.3	4000	47.50
0915	25.2	6.45	3341	47	0.76	8.0	4600	47.50
0918	25.2	6.45	3261	17	0.68	7.0	5200	47.50
0921	25.3	6.45	3258	18	0.60	6.7	5800	47.50
0924	25.2	6.45	3257	18	0.57	7.2	6400	47.50

Did well dewater? Yes No	Amount actually evacuated: 6400
Sampling Time: 0925	Sampling Date: 9/11/17
Sample I.D.: GWS02731	Laboratory: Eurofins/CalScience
Analyzed for: See COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MO	Start Date: 9/14/17
Well I.D.: PZL0026	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 53.02	Depth to Water: 37.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SN: 2043m1
Sampling Method: (Dedicated Tubing) | New Tubing | Disposable Bailer

Start Purge Time: 1300 Flow Rate: 200 ml/min Pump Depth: 46 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1311	25.9	6.56	2522	27	1.26	-46.6	2200	37.09
1314	26.0	6.56	2525	22	1.40	-47.3	2800	37.09
1317	26.2	6.56	2527	17	1.40	-47.3	3400	37.09
1320	26.4	6.56	2530	11	1.15	-46.7	4000	37.10
1323	26.5	6.56	2530	7	1.01	-46.8	4600	37.10
1326	26.6	6.56	2535	6	0.89	-46.5	5200	37.10
1329	26.5	6.56	2533	6	0.94	-46.1	5800	37.10

Did well dewater? Yes (No) Amount actually evacuated: 5800

Sampling Time: 1330 Sampling Date: 9/14/17

Sample I.D.: GWS02732 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/14/17
Well I.D.: SJ46002	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 79.29	Depth to Water: 48.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 2,507
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0815 Flow Rate: 300 mL/min Pump Depth: 65 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0824	23.0	6.75	3013	15	3.31	-101.9	2700	48.25
0827	23.2	6.72	3024	14	3.20	-90.0	3600	48.25
0830	23.6	6.71	3028	15	3.06	-76.9	4500	48.25
0833	23.6	6.70	3030	15	3.01	-73.4	5400	48.25
0836	23.7	6.70	3028	15	2.95	-73.5	6300	48.25

Did well dewater? Yes (No) Amount actually evacuated: 6.3L

Sampling Time: 0838 Sampling Date: 09/14/17

Sample I.D.: GW502733 Laboratory: Eurofins/CalScience

Analyzed for: Ice COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M1	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/12/17
Well I.D.: SW10003	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 76.87	Depth to Water: 49.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump SV: 2,429
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

Start Purge Time: 0929 Flow Rate: 300 mL/min Pump Depth: 63 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0939	22.6	7.00	1704	5	3.27	-41.3	2700	49.70
0941	22.7	6.97	1712	5	3.06	-42.3	3600	49.70
0944	23.0	6.94	1712	4	2.90	-43.2	4500	49.70
0947	23.2	6.92	1712	4	2.82	-44.3	5400	49.70
0950	23.3	6.92	1712	4	2.75	-45.6	6300	49.70

Did well dewater? Yes (No) Amount actually evacuated: 6.3L

Sampling Time: 0952 Sampling Date: 09/12/17

Sample I.D.: GWS02734 Laboratory: Eurofins/CalScience

Analyzed for: 1,4 DOL Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 705-MW1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/14/17
Well I.D.: SWL0004	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: Ded Pump	Depth to Water: 50.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated) Grundfos Bladder Pump SV: 2,584
Sampling Method: Dedicated Tubing (New Tubing) Disposable Bailer

Start Purge Time: 1036 Flow Rate: 300mL/min Pump Depth: 67 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1045	24.5	6.94	2792	13	0.80	-100.8	2700	50.36
1048	24.8	6.89	2801	6	0.53	-113.5	3600	50.36
1051	25.0	6.86	2809	4	0.51	-121.4	4500	50.36
1054	25.1	6.85	2809	3	0.50	-125.2	5400	50.36
1057	25.2	6.84	2811	2	0.48	-127.9	6300	50.36

Did well dewater? Yes (No) Amount actually evacuated: 6.3L

Sampling Time: 1059 Sampling Date: 09/14/17

Sample I.D.: GWS02735 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MS	Start Date: 9/7/17
Well I.D.: GWL0005	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 61.24	Depth to Water: 37.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (S) Dedicated Grundfos Bladder Pump SV: 2352 ml
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1252 Flow Rate: 200 ml/min Pump Depth: 50' ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1255	23.6	6.52	2537	13	1.52	-21.0	600	37.67
1258	24.3	6.52	2544	9	1.37	-26.7	1200	37.67
1301	24.8	6.53	2551	7	1.46	-32.2	1800	37.67
1304	25.0	6.53	2550	9	1.66	-35.5	2400	37.67
1307	25.1	6.52	2547	7	1.75	-38.1	3000	37.67
1310	25.1	6.52	2547	7	1.69	-40.9	3600	37.67
1313	25.1	6.52	2543	7	1.72	-42.8	4200	37.67

Did well dewater? Yes (No) Amount actually evacuated: 4200

Sampling Time: 1314 Sampling Date: 9/7/17

Sample I.D.: GWS02736 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: AECOM@Del Amo
Sampler: MG	Start Date: 9/7/17
Well I.D.: GWL0006	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 59.10	Depth to Water: 35.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 2275 ml
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0933 Flow Rate: 200 ml/min Pump Depth: 51.5 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0936	23.4	7.18	1388	7	0.31	11.0	600	36.21
0939	23.5	7.18	1389	6	0.31	10.7	1200	36.21
0942	23.8	7.18	1394	4	0.35	5.4	1800	36.21
0945	24.1	7.17	1400	4	0.45	-2.1	2400	36.21
0948	24.2	7.16	1404	3	0.54	-6.1	3000	36.21
0951	24.3	7.15	1414	3	0.58	-11.6	3600	36.21
0954	24.4	7.14	1422	3	0.61	-15.4	4200	36.21
0957	24.6	7.13	1437	3	0.61	-17.8	4800	36.21
1000	24.7	7.12	1455	2	0.62	-19.9	5400	36.22
1003	24.7	7.11	1461	2	0.64	-20.7	6000	36.22
1006	24.7	7.11	1469	2	0.66	-20.7	6600	36.22

Did well dewater? Yes (No) Amount actually evacuated: 9000

Sampling Time: 1019 Sampling Date: 9/7/17

Sample I.D.: GWS02737 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-001	Client: AECOM@Del Amo
Sampler: MT	Start Date: 9/7/17
Well I.D.: SW1006	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 59.10	Depth to Water: 35.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump *Continued
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0933 Flow Rate: 200 ml/min Pump Depth: 51.5 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1009	24.8	7.11	1498	3	0.66	-20.6	7200	36.22
1012	24.8	7.10	1516	3	0.69	-20.8	~~8000~~ 7800	36.22
1015	24.9	7.09	1518	2	0.73	-21.2	~~8800~~ 8400	36.22
1018	24.9	7.09	1523	2	0.74	-21.6	9000	36.22
~~1021~~								

Did well dewater? Yes (No) Amount actually evacuated: 9000

Sampling Time: 1019 Sampling Date: 9/7/17

Sample I.D.: GW502737 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/12/17
Well I.D.: MW0007	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 70.87	Depth to Water: 49.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (3) Dedicated Grundfos Bladder Pump JV: 2,3,4
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 0835 Flow Rate: 300mL/min Pump Depth: 60 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0843	23.5	7.14	1834	12	1.85	31.3	2400	49.09
0846	23.7	7.12	1838	10	1.76	31.0	3300	49.09
0849	23.9	7.11	1837	9	1.68	30.5	4200	49.09
0852	24.1	7.10	1839	9	1.59	29.6	5100	49.09
0855	24.1	7.10	1839	9	1.53	29.4	6000	49.09

Did well dewater? Yes (No) Amount actually evacuated: 6.0L

Sampling Time: 0857 Sampling Date: 09/12/17

Sample I.D.: GWS02738 Laboratory: Eurofins/CalScience

Analyzed for: 8260 COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

* Dedicated Pump removed

Project #: 170905.001	Client: **AECOM@Del Amo**
Sampler: MS	Start Date: 9/11/17
Well I.D.: SW0008	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 62.29	Depth to Water: 40.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump / Dedicated Grundfos / Bladder Pump SV: 2000ml
Sampling Method: Dedicated Tubing / New Tubing / Disposable Bailer

Start Purge Time: 1404 Flow Rate: 200ml/min Pump Depth: 52' ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1414	25.1	6.76	2265	41	0.78	-119.8	2000	40.70
1417	25.2	6.76	2285	39	0.63	-121.9	2600	40.70
1420	25.5	6.77	2290	28	0.56	-124.0	3200	40.70
1423	25.2	6.76	2286	18	0.59	-125.5	~~4~~ 3800	40.70
1426	25.6	6.76	2299	19	0.65	-127.8	4400	40.70
1429	25.7	6.76	2307	18	0.62	-129.8	5000	40.70

Did well dewater? Yes (No) Amount actually evacuated: 5000

Sampling Time: 1430 Sampling Date: 9/11/17

Sample I.D.: GWS02739 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905 -	Client: **AECOM@Del Amo**
Sampler: TM	Start Date: 9/7/17
Well I.D.: SWL009	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: PUMP	Depth to Water: 29.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (DEDICATED) Dedicated Grundfos Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 0835 Flow Rate: 300 mL/min Pump Depth: — ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0842	22.5	6.31	2724	32	0.84	89	2100	29.80
0845	22.7	6.33	2711	18	0.84	80	3000	29.80
0848	23.0	6.35	2700	12	0.78	75	3900	29.80
0851	23.1	6.36	2694	9	0.75	71	4800	29.80
0854	23.1	6.36	2684	7	0.72	69	5700	29.80
0857	23.2	6.37	2674	6	0.72	66	6600	29.80
0900	23.2	6.37	2666	5	0.74	65	7500	29.80
0903	23.2	6.38	2661	5	0.74	67	8400	29.80

Did well dewater? Yes (No)	Amount actually evacuated: 8.4L
Sampling Time: 0904	Sampling Date: 9/7/17
Sample I.D.: GWS02746	Laboratory: (Eurofins)/(CalScience)
Analyzed for: See COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/7/17
Well I.D.: SWL0010	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 116.13	Depth to Water: 32.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

SYS. VOL = 4164 ML

Start Purge Time: 0919 Flow Rate: 400 ML/MIN Pump Depth: 108 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0929	21.9	7.32	932	3	1.24	-115	4100	32.70
0932	22.1	7.31	939	3	1.22	-115	5300	32.76
0935	22.2	7.30	949	3	1.20	-115	6500	32.70
0938	22.3	7.29	962	2	1.17	-116	7700	32.70
0941	22.2	7.28	972	2	1.15	-116	8900	32.70
0944	22.2	7.27	980	2	1.13	-118	10100	32.70
0947	22.2	7.27	989	2	1.13	-120	11300	32.70

Did well dewater? Yes (No) Amount actually evacuated: 11.3 -

Sampling Time: 0948 Sampling Date: 9/7/17

Sample I.D.: GWS0276 | Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905--	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/12/17
Well I.D.: SWL0013	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 146.20	Depth to Water: 41.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

5 x 399 mL system volume

Start Purge Time: 1258 Flow Rate: 400 mL/MIN Pump Depth: 140 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1312	22.4	7.47	588	2	1.15	-9	5600	41.88
1315	23.1	7.45	593	2	1.73	-5	6800	41.88
1318	23.1	7.39	592	2	1.50	1	8000	41.88
1321	23.0	7.35	588	2	1.37	7	9200	41.88
1324	23.0	7.33	591	1	1.27	10	10400	41.88
1327	22.9	7.31	589	1	1.25	9	11600	41.88
1330	22.9	7.31	586	1	1.25	9	12800	41.88

Did well dewater? Yes (No)	Amount actually evacuated: 12.8 L
Sampling Time: 1331	Sampling Date: 9/12/17
Sample I.D.: GWS02777	Laboratory: (Eurofins/CalScience)
Analyzed for:	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905 -	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/11/17
Well I.D.: SWL0014	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 133.33	Depth to Water: 33.51
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

4 tube system volume

Start Purge Time: 1312 Flow Rate: 400 mL/min Pump Depth: 121 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1333	23.9	7.19	749	12	1.49	-88	4400	33.63
1336	23.9	7.19	758	8	1.20	-100	5600	33.63
1339	23.9	7.19	761	6	0.81	-112	6800	33.63
1342	24.4	7.19	771	2	0.67	-130	8000	33.63
1345	24.2	7.19	778	2	0.57	-141	9200	33.63
1348	24.2	7.19	781	3	0.48	-146	10400	33.63
1351	24.1	7.20	782	3	0.42	-151	11600	33.63
1354	24.3	7.20	794	3	0.39	-152	12800	33.63
1357	24.3	7.20	791	3	0.40	-152	14000	33.63

Did well dewater? Yes (No) Amount actually evacuated: 14.0L

Sampling Time: 1358 Sampling Date: 9/11/17

Sample I.D.: GWS0277B Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/11/17
Well I.D.: SWL0015	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 57.32	Depth to Water: 33.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump Dedicated Grundfos Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1436 Flow Rate: 400 mL/min Pump Depth: 44 ft

sys. vol. 1694

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1441	24.6	6.06	1937	15	1.35	-88	2000	33.38
1444	24.1	6.05	1968	10	1.16	-87	3200	33.38
1447	24.3	6.05	1957	10	1.05	-86	4400	33.38
1450	24.3	6.06	1983	8	0.88	-86	5600	33.38
1453	24.3	6.06	1972	7	0.78	-87	6800	33.38
1456	24.3	6.06	1980	8	0.76	-87	8000	33.38
1459	24.3	6.06	1984	8	0.75	-87	9200	33.38
1502	24.3	6.06	1990	8	0.75	-88	10400	33.38

Did well dewater? Yes No	Amount actually evacuated: 10.4L
Sampling Time: ~~10~~ 1503	Sampling Date: 9/11/17
Sample I.D.: GWS02741	Laboratory: Eurofins/CalScience
Analyzed for: see COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M91	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/07/17
Well I.D.: SWL0016	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 61.16	Depth to Water: 40.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (2) Dedicated Grundfos Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 0910 Flow Rate: 400mL/min Pump Depth: 51' ft

Time	Temp. (°C)	pH	Cond. (mS or ~~uS~~)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0913	24.0	6.41	2114	6	0.32	-115.1	1200	41.21
0916	24.1	6.47	2124	4	0.36	-118.7	2400	41.18
0919	23.8	6.51	2114	2	0.35	-136.5	3600	41.19
0922	23.8	6.55	2109	2	0.31	-149.2	4800	41.19
0925	23.9	6.57	2107	2	0.29	-153.9	6000	41.19
0928	23.9	6.58	2103	2	0.28	-156.5	7200	41.19

Did well dewater? Yes (No) Amount actually evacuated: 7.2L

Sampling Time: 0930 Sampling Date: 09/07/17

Sample I.D.: ~~SWL0016~~ (D) 6502742 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/08/17
Well I.D.: GWL0017	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: Ded. Pump	Depth to Water: 44.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated) Grundfos Bladder Pump
Sampling Method: (Dedicated) Tubing New Tubing Disposable Bailer

Start Purge Time: 0918 Flow Rate: 200mL/min Pump Depth: Ded. Pump ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0921	22.5	7.21	2867	60	5.04	100.6	600	44.78
0924	22.3	6.90	3370	253	3.47	70.3	1200	44.79
0927	22.3	6.87	3453	108	3.05	37.8	~~1800~~ 1800	44.79
0930	22.3	6.84	3618	44	2.83	50.3	~~2400~~ 2400	44.80
0933	22.3	6.82	3695	30	2.56	60.7	~~3000~~ 3000	44.81
0936	23.5	6.81	3734	23	2.53	58.6	~~3600~~ 3600	44.81
0939	23.5	6.80	3759	20	2.42	61.7	~~4200~~ 4200	44.81
0942	23.5	6.80	3768	17	2.36	64.6	~~4800~~ 4800	44.81
0945	23.6	6.80	3774	16	2.38	62.9	~~5400~~ 5400	44.81
0948	23.6	6.80	3778	16	2.35	61.6	~~6000~~ 6000	44.81

Did well dewater? Yes (No) Amount actually evacuated: ~~1.5 gal~~ 6.0L

Sampling Time: 0950 Sampling Date: 09/08/17

Sample I.D.: GWS02743 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.: GWS02705 @ 0955

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/11/17
Well I.D.: SWW0018	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 137.89	Depth to Water: 43.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump Dedicated Grundfos Bladder Pump SV: 5,013
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 0817 Flow Rate: 300 mL/min Pump Depth: 130' ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0834	22.0	9.07	669	7	0.79	-136.5	5100	43.50
0837	22.0	9.07	672	5	0.84	-126.2	6000	43.50
0840	22.1	9.07	670	4	0.91	-119.4	6900	43.50
0843	22.1	9.07	667	4	0.89	-116.9	7800	43.50
0846	22.2	9.07	665	4	0.84	-144.4	8700	43.50

Did well dewater? Yes No	Amount actually evacuated: 8.7L
Sampling Time: 0848	Sampling Date: 09/11/17
Sample I.D.: GWS02779	Laboratory: Eurofins/CalScience
Analyzed for:	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/12/17
Well I.D.: SWL0019	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 90.52	Depth to Water: 34.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

3123.6 mL System Volume

Start Purge Time: 0740 Flow Rate: 400 mL/MIN Pump Depth: 81' ft

Time	Temp. (°C)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0748	21.1	6.08	1540	15	2.55	110	3200	34.62
0751	21.5	6.19	1565	3	2.22	96	4400	34.62
0754	21.6	6.12	1592	2	1.85	85	5600	34.62
0757	21.8	6.12	1618	2	1.67	89	6800	34.62
0800	21.8	6.18	1632	2	1.59	84	8000	34.62
0803	21.8	6.18	1636	1	1.53	86	9200	34.62
0806	21.8	6.21	1640	2	1.56	88	10400	34.62
0809	21.8	6.21	1650	2	1.52	90	11600	34.62

Did well dewater? Yes (No) Amount actually evacuated: 11.6 L

Sampling Time: 0810 Sampling Date: 9/12/17

Sample I.D.: GWS02762 Laboratory: Eurofins/CalScience

Analyzed for: see COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/13/17
Well I.D.: SWL 0021	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: PUMP	Depth to Water: 37.82
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: ~~2" Grundfos Pump~~ (TR) Dedicated Grundfos — Bladder Pump (System Vol: 2395 mL)
Sampling Method: ~~Dedicated Tubing~~ New Tubing — Disposable Bailer

Start Purge Time: 0748 Flow Rate: 300 mL/MIN Pump Depth: 54.0 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0756	22.2	5.98	2204	19	1.77	-1	2400	37.88
0759	22.3	5.98	2259	4	0.95	-2	3300	37.88
0802	22.6	5.99	2291	3	0.83	-4	4200	37.88
0805	23.0	6.00	2345	2	0.66	-6	5100	37.88
0808	23.1	6.02	2375	2	0.49	-8	6000	37.88
0811	23.2	6.02	2388	2	0.47	-8	6900	37.88
0814	23.2	6.03	2392	1	0.47	-9	7800	37.88
0817	23.2	6.03	2400	1	0.45	-9	8700	37.88
0820	23.2	6.03	2420	1	0.45	-10	9600	37.89

Did well dewater? Yes (No) — Amount actually evacuated: 9.6 L

Sampling Time: 0821 — Sampling Date: 9/13/17

Sample I.D.: GWS02744 — Laboratory: Eurofins/CalScience

Analyzed for: see COC — Duplicate I.D.: GWS02806

Equipment Blank I.D.: — @ Time 0826

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/12/17
Well I.D.: SWL0022	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 194.54	Depth to Water: 44.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

1250 mL system volume

Start Purge Time: 1155 Flow Rate: 400 mL/min Pump Depth: 188 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1213	22.3	7.71	624	4	1.85	-124	7200	44.14
1216	22.3	7.72	624	4	1.63	-127	8400	44.14
1219	22.4	7.72	629	3	1.40	-131	9600	44.14
1222	22.3	7.72	622	3	1.32	-132	10800	44.14
1225	22.3	7.72	624	3	1.20	-135	12000	44.14
1228	22.3	7.72	625	3	1.16	-136	13200	44.14
1231	22.3	7.72	625	2	1.14	-138	14600	44.14
1234	22.3	7.72	624	3	1.14	-139	15800	44.14

Did well dewater? Yes (No) Amount actually evacuated: 15.82

Sampling Time: 1235 Sampling Date: 9/12/17

Sample I.D.: GWS02790 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905 –	Client: **AECOM@Del Amo**
Sampler: M	Start Date: 9/11/17
Well I.D.: SW L0023	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 102.80	Depth to Water: 37.96
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

System not 3702 MW

Start Purge Time: 1102 Flow Rate: 400 mL/min Pump Depth: 96 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1112	23.4	6.84	946	10	0.82	-77	4000	38.02
1115	23.3	6.84	949	11	0.80	-80	5200	38.02
1118	23.5	6.85	946	11	0.75	-83	6400	38.02
1121	23.5	6.84	944	10	0.74	-84	7600	38.02
1124	23.5	6.84	942	9	0.74	-84	8800	38.02
1127	23.5	6.84	942	9	0.73	-84	10000	38.02
1130	23.5	6.84	946	9	0.73	-84	11200	38.02

Did well dewater? Yes (No) Amount actually evacuated: 11.2 L

Sampling Time: 1131 Sampling Date: 9/11/17

Sample I.D.: GWS02763 see COC SPLIT Laboratory: Eurofins/CalScience

Analyzed for: see COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9 / 11 / 17
Well I.D.: SWL0024	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 61.00	Depth to Water: 36.68
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

SYSTEM VOL.: 2005 mL

Start Purge Time: 0818 Flow Rate: 300 mL/MIN Pump Depth: 52 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0825	22.7	6.37	1785	3	2.86	4	2100	36.85
0828	22.6	6.36	1811	2	2.25	11	3900	36.86
0831	22.8	6.36	1833	2	2.08	13	3900	36.86
0834	22.9	6.36	1847	2	2.18	14	4800	36.86
0837	23.0	6.36	1860	2	2.11	13	5700	36.86
0840	23.1	6.35	1870	2	2.02	13	6600	36.86
0843	23.1	6.35	1873	2	1.89	8	7500	36.86
0846	23.1	6.36	1881	1	1.81	8	8400	36.86
0849	23.2	6.36	1888	1	1.82	7	9300	36.86

Did well dewater? Yes (No) Amount actually evacuated: 9.3L

Sampling Time: 0850 Sampling Date: 9/11/17

Sample I.D.: GWS02745 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TM	Start Date: 9/7/17
Well I.D.: SWL6025	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 209.65	Depth to Water: 34.47
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

Start Purge Time: 1010 Flow Rate: 400 mL/min Pump Depth: 207 ft

345. Vol. 8050

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1030	22.1	7.58	574	4	0.18	-153	8000	34.58
1033	22.0	7.59	576	4	0.17	-154	9200	34.58
1036	22.0	7.60	577	3	0.15	-155	10400	34.58
1039	22.0	7.60	572	3	0.15	-157	11600	34.58
1042	22.0	7.60	572	3	0.15	-158	12800	34.58
1045	21.9	7.60	572	3	0.15	-159	14000	34.58

Did well dewater? Yes (No) Amount actually evacuated: 14.0L

Sampling Time: 1046 Sampling Date: 9/7/17

Sample I.D.: GWS0279 | Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905 –	Client: **AECOM@Del Amo**
Sampler: M	Start Date: 9/12/17
Well I.D.: SWL0028	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 55.02	Depth to Water: 29.46
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

1697mL system vol.

Start Purge Time: 0838 Flow Rate: 400 mL/min Pump Depth: 44 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0843	22.2	5.67	2200	5	0.75	169	2000	29.60
0846	22.4	5.66	2242	2	0.68	168	3200	29.60
0849	22.6	5.46	2280	2	0.54	169	4400	29.60
0852	22.8	5.32	2315	2	0.46	172	5600	29.60
0855	22.9	5.23	2341	3	0.39	175	6800	29.60
0858	23.0	5.19	2351	2	0.40	177	8000	29.60
0901	23.0	5.18	2360	2	0.42	180	9200	29.60
0904	23.0	5.18	2371	2	0.42	181	10400	29.60
0907	23.0	5.18	2377	2	0.40	182	11600	29.60

Did well dewater? Yes (No)	Amount actually evacuated: 11.6 L
Sampling Time: 0908	Sampling Date: 9/12/17
Sample I.D.: GWS02746	Laboratory: Eurofins/CalScience
Analyzed for:	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MT	Start Date:
Well I.D.: SWL0033	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 139.63	Depth to Water: 44.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated Grundfos) Bladder Pump SV: 5,360 ml
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer
Start Purge Time: 1347 Flow Rate: 300 ml/min Pump Depth: 132 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1405	23.0	6.97	1437	1	0.61	-82.3	5400	44.94
1408	23.1	6.98	1438	1	0.60	-82.1	6300	44.94
1411	23.1	6.98	1440	1	0.52	-81.8	7200	44.94
1414	23.1	6.98	1438	1	0.50	-82.0	8100	44.94
1417	23.0	6.98	1436	1	0.49	-82.1	9000	44.94

Did well dewater? Yes (No) Amount actually evacuated: 9000

Sampling Time: 1418 Sampling Date: 9/8/17

Sample I.D.: GWS02760 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170907-M01	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/07/17
Well I.D.: SLW035	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 134.75	Depth to Water: 41.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated Grundfos) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Disposable Bailer

Start Purge Time: 1103 Flow Rate: 350 mL/min Pump Depth: 129 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1106	23.1	7.72	612	3	1.74	-212.7	1050	41.13
1109	24.2	7.70	738	3	1.42	-202.1	2100	41.13
1112	21.5	7.66	646	3	1.29	-207.6	3150	41.13
1115	21.8	7.66	636	4	1.10	-208.6	4200	41.13
1118	21.9	7.65	632	4	1.05	-207.9	5250	41.13
1121	22.0	7.66	628	4	0.99	-209.1	6300	41.13
1124	22.1	7.65	626	4	0.94	-210.2	7350	41.13

Did well dewater? Yes (No) Amount actually evacuated: 7.35L

Sampling Time: 1126 Sampling Date: 09/07/17

Sample I.D.: 6WS02781 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

(1/2)

Project #: 170907-M51	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/07/17
Well I.D.: JLW0076	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 192.94	Depth to Water: 43.85
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: **PVC**	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1306 Flow Rate: 350mL/min Pump Depth: 186 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1309	23.9	7.81	632	133	0.48	-228.2	1050	44.92
1312	23.9	7.72	631	77	0.36	-239.1	2100	44.93
1315	24.0	7.66	641	99	0.34	-239.9	3150	44.93
1317	24.0	7.65	648	98	0.28	-250.8	4200	44.93
1321	23.7	7.66	651	91	0.29	-257.1	5250	44.94
1324	23.3	7.61	650	111	0.26	-262.1	6300	44.94
1327	23.5	7.67	651	157	0.25	-269.6	7350	44.94
1330	23.3	7.69	654	192	0.24	-270.1	8400	44.94
1333	23.4	7.69	657	213	0.22	-272.6	9450	44.94
1336	23.6	7.70	656	220	0.20	-274.0	10500	44.94
1339	23.3	7.71	657	260	0.20	-276.8	11550	44.94

Did well dewater? Yes (No) Amount actually evacuated:

Sampling Time: Sampling Date: 09/07/17

Sample I.D.: GWS02792 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/07/17
Well I.D.: MW0036	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 192.94	Depth to Water: 43.85
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (2) Dedicated Grundfos Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1306 Flow Rate: 350 mL/min Pump Depth: 186 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1342	23.1	7.72	652	294	0.18	-228.3	12600	44.94
1345	23.1	7.73	651	299	0.16	-229.1	13650	44.94
1348	23.1	7.74	650	310	0.15	-230.6	14700	44.94
1351	23.0	7.75	650	327	0.14	-207.5	15750	44.94
1354	23.1	7.76	651	342	0.13	-205.1	16800	44.94

Did well dewater? Yes (No) Amount actually evacuated: 16.8L

Sampling Time: 1356 Sampling Date: 09/07/17

Sample I.D.: GLS02772 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.: MS/MSD

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/07/17
Well I.D.: SLR0037	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 99.66	Depth to Water: 41.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0958 Flow Rate: 350 mL/min Pump Depth: 90' ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1001	23.2	7.43	907	3	4.36	-161.0	1050	41.82
1004	23.2	7.41	907	5	3.82	-164.4	2100	41.83
1007	23.2	7.40	907	5	3.32	-167.1	3150	41.83
1010	23.1	7.40	909	4	2.80	-170.8	4200	41.83
1013	23.1	7.41	908	3	2.50	-172.7	5250	41.83
1016	23.3	7.41	907	2	2.28	-175.2	6300	41.83
1019	23.3	7.42	906	2	2.17	-179.5	7350	41.83
1022	23.4	7.42	904	2	2.09	-181.4	8400	41.83

Did well dewater? Yes (No) Amount actually evacuated: 8.4L

Sampling Time: 1025 Sampling Date: 09/07/17

Sample I.D.: GWS02765 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: GL	Start Date: 09/12/17
Well I.D.: SWL0038	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 70.12	Depth to Water: 46.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2)" Grundfos Pump | Dedicated Grundfos | Bladder Pump SN: 2,314
Sampling Method: (D)edicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0742 Flow Rate: 300mL/min Pump Depth: 60 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0750	22.8	6.97	2889	21	0.60	-92.2	2400	46.17
0753	23.3	6.92	2884	17	0.59	-91.1	3300	46.17
0756	23.6	6.88	2881	15	0.58	-89.9	4200	46.17
0759	23.7	6.87	2883	15	0.59	-86.4	5100	46.17
0802	23.7	6.86	2886	15	0.61	-84.9	6000	46.17

Did well dewater? Yes (No) Amount actually evacuated: 6.0L

Sampling Time: 0804 Sampling Date: 09/12/17

Sample I.D.: GWS02747 Laboratory: Eurofins/CalScience

Analyzed for: Ice COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M07	Client: **AECOM@Del Amo**
Sampler: MS	Start Date: 9/12/17
Well I.D.: SWL0040	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 136.90	Depth to Water: 43.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated Grundfos) Bladder Pump SV: 5244ml
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

Start Purge Time: 1114 Flow Rate: 300ml/min Pump Depth: 127 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1132	23.3	6.69	3370	2	0.43	-98.8	5400	43.88
1135	23.2	6.69	3381	2	0.43	-100.8	6300	43.88
1138	23.3	6.69	3387	2	0.45	-103.1	7200	43.88
1141	23.2	6.69	3389	2	0.48	-103.9	8100	43.88
1144	23.3	6.69	3404	2	0.49	-105.9	9000	43.88

Did well dewater? Yes (No) Amount actually evacuated: 9000

Sampling Time: 1145 Sampling Date: 9/12/17

Sample I.D.: GWS02782 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M07	Client: **AECOM@Del Amo**
Sampler: MO	Start Date: 9/12/17
Well I.D.: SWL0041	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 92.74	Depth to Water: 43.69
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (S) Dedicated Grundfos Bladder Pump SV: 3,547 ml
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer 85

Start Purge Time: 0902 Flow Rate: 300ml/min Pump Depth: ~~80~~ 85 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0914	23.8	6.56	3891	2	0.65	-72.7	3600	43.78
0917	23.8	6.56	3898	2	0.64	-73.1	4500	43.78
0920	23.8	6.56	3971	1	0.70	-73.6	5400	43.78
0923	23.9	6.56	3922	1	0.75	-75.0	6300	43.78
0926	23.9	6.56	3939	1	0.77	-76.1	7200	43.78

Did well dewater? Yes (No) Amount actually evacuated: 7200

Sampling Time: 0927 Sampling Date: 9/12/17

Sample I.D.: GWS02766 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.: GWS02807 @ 0932

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-	Client: **AECOM@Del Amo**
Sampler: M	Start Date: 9/12/17
Well I.D.: SWL0042	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 54.67	Depth to Water: 34.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

System volume: 1735 mL

Start Purge Time: 0940 Flow Rate: 400 mL/min Pump Depth: 45 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0945	22.9	6.30	1838	3	0.78	-100	2000	34.15
0948	23.2	6.30	1837	2	0.70	-101	3200	34.15
0951	23.5	6.30	1834	3	0.66	-102	4400	34.15
0954	23.9	6.30	1828	3	0.50	-104	5600	34.15
0957	24.0	6.30	1829	3	0.49	-105	6800	34.15
1000	24.0	6.30	1830	3	0.47	-105	8000	34.15
1003	24.0	6.31	1832	3	0.47	-105	9200	34.15
1006	24.0	6.31	1832	3	0.46	-105	10400	34.15
1009	24.0	6.31	1828	3	0.47	-105	11600	34.15

Did well dewater? Yes (No) Amount actually evacuated: 11.6 L

Sampling Time: 1010 Sampling Date: 9/12/17

Sample I.D.: GWS02808 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.: Collected - GWS0-

Equipment Blank I.D.: @ Time 2748 @ 1015

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MT	Start Date: 9/13/17
Well I.D.: SWL0044	Well Diameter: 2 3 ~~4~~ 6 8 ____
Total Well Depth: 66.90	Depth to Water: 46.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump ~~Dedicated Grundfos~~ Bladder Pump SV 2545 ml
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 0749 Flow Rate: 200ml/min Pump Depth: 55 ft

Time	Temp. (°C)	pH	Cond. (mS or ~~µS~~)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
~~0802~~ ~~0805~~ 0760	24.4	6.57	2538	10	1.14	-59.4	2600	46.09
0805	24.3	6.57	2537	9	1.02	-60.8	3200	46.09
0808	24.5	6.57	2549	6	0.88	-61.9	3800	46.09
0811	24.5	6.57	2544	7	0.81	-62.0	4400	46.09
0814	24.5	6.57	2543	6	0.78	-61.5	5000	46.10

Did well dewater? Yes ~~No~~ Amount actually evacuated: 5000

Sampling Time: 0815 Sampling Date: 9/13/17

Sample I.D.: GWS02749 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: M	Start Date: 9/12/17
Well I.D.: SWL0046	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 57.48	Depth to Water: 36.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI/PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1355 Flow Rate: 400 mL/min Pump Depth: 48 ft

System vol: 1851 mL

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1400	22.1	5.82	1733	389	1.73	101	2000	36.30
1403	22.1	5.74	1782	502	1.72	102	3200	36.30
1406	22.3	5.74	1788	296	1.51	94	4400	36.30
1409	22.9	5.68	1800	241	1.45	97	5600	36.30
1412	23.0	6.08	1831	145	1.44	76	6800	36.30
1415	22.9	6.48	1822	108	1.38	61	8000	36.30
1418	22.9	6.38	1833	82	1.38	70	9200	36.30
1421	23.0	6.34	1835	66	1.43	73	10400	36.30
1424	23.0	6.34	1844	52	1.40	75	11600	36.30
1427	23.0	6.31	1853	42	1.39	77	12800	36.30
1430	23.0	6.29	1858	34	1.41	80	14000	36.30

Did well dewater? Yes (No)	Amount actually evacuated:
Sampling Time: 1446	Sampling Date: 9/12/17
Sample I.D.: GWS02750	Laboratory: Eurofins/CalScience
Analyzed for: See COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: MR	Start Date: 9/12/17
Well I.D.: SWL 004b	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 57.49	Depth to Water: 36.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

System Vol: 1351 mL

Start Purge Time: 1355 Flow Rate: 400 mL/min Pump Depth: 49 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1433	23.0	6.25	1856	24	1.46	90	15200	36.30
1436	23.2	6.25	1860	23	1.48	87	16400	36.30
1439	23.2	6.30	1864	19	1.53	87	17600	36.30
1442	23.2	6.31	1865	19	1.53	87	18800	36.30
1445	23.2	6.31	1871	19	1.48	84	20000	36.30

Did well dewater? Yes (No)	Amount actually evacuated:
Sampling Time: 1446	Sampling Date: 9/12/17
Sample I.D.: GWS02750	Laboratory: Eurofins/CalScience
Analyzed for: see COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/08/17
Well I.D.: SWL0047	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 92.11	Depth to Water: 45.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2)" Grundfos Pump | Dedicated Grundfos | Bladder Pump — SW: 3,355 mL
Sampling Method: (Dedicated Tubing) | New Tubing | Disposable Bailer

Start Purge Time: 1350 Flow Rate: 300 mL/min Pump Depth: 87' ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1353	24.6	7.28	1039	10	1.54	-196.0	900	45.31
1356	24.6	7.23	1213	(10) 468	1.54	-184.8	1800	45.32
1359	24.6	7.21	1246	8	1.47	-183.2	2700	45.32
1402	24.6	7.19	1252	7	1.50	-182.6	3600	45.32
1405	24.6	7.17	1266	7	1.60	-180.6	4500	45.32
1408	24.6	7.16	1275	6	1.66	-178.6	5400	45.32
1411	24.6	7.15	1286	6	1.62	-178.7	6300	45.32
1414	24.6	7.15	1289	6	1.60	-177.9	7200	45.32

Did well dewater? Yes (No) Amount actually evacuated: 7.2L

Sampling Time: 1416 Sampling Date: 09/08/17

Sample I.D.: GWS02767 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MG	Start Date: 9/13/17
Well I.D.: GWL00496	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 75.00	Depth to Water: 45.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated Grundfos) Bladder Pump SV: 2892 mL
Sampling Method: Dedicated Tubing (New Tubing) Disposable Bailer

Start Purge Time: 1408 Flow Rate: 300ml/min Pump Depth: Del Pump ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1418	24.1	6.68	2357	4	1.05	-140.4	3000	45.39
1421	24.3	6.68	2359	4	0.98	-148.9	3900	45.39
1424	24.3	6.68	2360	1	0.98	~~-153~~	4800	45.39
1427	24.3	6.68	2360	1	0.94	-159.2	5700	45.39
1430	24.4	6.68	2359	1	0.86	-162.0	6600	45.39

Did well dewater? Yes (No) Amount actually evacuated: 4 x 1600

Sampling Time: 1431 Sampling Date: 9/13/17

Sample I.D.: GWS02768 Laboratory: Eurofins/CalScience

Analyzed for: SeCOC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M07	Client: **AECOM@Del Amo**
Sampler: MJT	Start Date: 9/12/17
Well I.D.: GW0250	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 64.50	Depth to Water: 46.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump SV: 3,277

Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

Start Purge Time: 1258 Flow Rate: 300ml/min Pump Depth: 77 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1307	24.5	6.94	2674	3	0.52	-221.6	3300	47.03
1310	24.6	6.94	2641	2	0.45	-247.3	4200	47.03
1313	24.6	6.94	2632	1	0.39	-278.7	5100	47.03
1316	24.6	6.94	2606	1	0.37	-297.2	6000	47.03
1319	24.6	6.93	2597	1	0.36	-300.8	6900	47.03
1322	24.7	6.93	2594	1	0.39	-302.9	7800	47.03

Did well dewater? Yes (No) Amount actually evacuated: 7800

Sampling Time: 1323 Sampling Date: 9/12/17

Sample I.D.: GW502769 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.: GW502609 @ 1328

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MJ	Start Date: 9/8/17
Well I.D.: SWL0051	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 56.61	Depth to Water: 36.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated) Dedicated Grundfos Bladder Pump SV: 2,159 ml
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 0739 Flow Rate: 200 ml/min Pump Depth: 45 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0750	24.1	6.82	2150	5	1.29	126.0	2200	36.66
0753	24.4	6.82	2151	5	1.10	120.4	2800	36.66
0756	24.5	6.82	2149	5	0.93	116.0	3400	36.66
0759	24.6	6.82	2148	5	0.91	111.7	4000	36.66
0802	24.8	6.82	2156	5	0.96	106.5	4600	36.66
0805	24.9	6.82	2161	5	1.01	102.5	5200	36.66
0809	24.9	6.82	2157	5	1.03	100.5	5800	36.66

Did well dewater? Yes (No) Amount actually evacuated: 5800

Sampling Time: 0809 Sampling Date: 9/8/17

Sample I.D.: GWS02771 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/8/19
Well I.D.: SWL0052	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 93.80	Depth to Water: 32.85
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

System Volume 3278mL

Start Purge Time: 0846 Flow Rate: 400 mL/min Pump Depth: 85 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0855	20.6	6.45	1774	5	1.95	5	3600	32.90
0858	20.7	6.45	1785	4	2.04	17	4800	32.90
0901	20.7	6.45	1782	3	1.85	19	6000	32.90
0904	20.7	6.45	1772	3	1.60	17	7200	32.90
0907	20.8	6.45	1771	3	1.49	15	8400	32.90
0910	20.8	6.45	1767	2	1.44	13	9600	32.90
0913	20.8	6.46	1769	2	1.40	12	10800	32.90
0916	20.9	6.46	1770	2	1.41	12	12000	32.90

Did well dewater? Yes (No) Amount actually evacuated: 12.0L

Sampling Time: 0917 Sampling Date: 9/8/19

Sample I.D.: ~~SWL0~~ FR Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: M	Start Date: 9/8/17
Well I.D.: SWL0053	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 127.66	Depth to Water: 32.46
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Sys. volume 4743 mL

Start Purge Time: 1344 Flow Rate: 400 mL/min Pump Depth: 123 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1356	21.8	6.45	466	3	0.08	-92	4800	32.60
1359	21.8	6.46	589	2	0.09	-100	6000	32.60
1402	21.9	6.45	648	2	0.06	-105	7200	32.60
1405	21.9	6.52	722	3	0.04	-104	8400	32.60
1408	21.9	6.55	790	2	0.04	-106	9600	32.60
1411	21.7	6.61	862	2	0.04	-110	10800	32.60
1414	21.6	6.67	950	2	0.04	-115	12000	32.60
1417	21.6	6.70	978	2	0.04	-119	13200	32.60
1420	21.5	6.70	1000	2	0.04	-121	14400	32.60
1423	21.5	6.70	1019	2	0.04	-121	15600	32.60
1426	21.6	6.70	1020	2	0.04	-121	16800	32.60

Did well dewater? Yes (No) Amount actually evacuated: 16.8 L

Sampling Time: 1427 Sampling Date: 9/8/17

Sample I.D.: GWS02783 Laboratory: (Eurofins)/CalScience

Analyzed for: see COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/13/17
Well I.D.: SLW0054	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 129.52	Depth to Water: 48.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (3) Dedicated Grundfos Bladder Pump SN: 4820
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1142 Flow Rate: 300 mL/min Pump Depth: 125' ft

Time	Temp. (°C)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1159	23.6	10.40	278.8	3	4.66	-2.9	5100	48.80
1202	23.8	10.45	279.9	3	4.47	-4.3	6000	48.80
1205	23.9	10.48	280.5	2	4.37	-5.0	6900	48.80
1209	23.8	10.50	281.2	2	4.40	-5.0	7800	48.80
1211	23.8	10.51	282.1	2	4.35	-4.7	8700	48.80

Did well dewater? Yes (No) Amount actually evacuated: 9 7L

Sampling Time: 1213 Sampling Date: 09/13/17

Sample I.D.: GLW02784 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

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*Double checked pH w/ Ultrameter

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: MO	Start Date: 9/11/17
Well I.D.: GW0055	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 131.00	Depth to Water: 46.56
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 5,051 ml
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0950 Flow Rate: 300 ml/min Pump Depth: 125' ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1007	23.4	6.81	2455	7	0.43	-126.4	5100	46.63
1010	23.4	6.81	2445	2	0.40	-127.3	6000	46.63
1013	23.4	6.81	2461	2	0.39	-128.2	6900	46.63
1016	23.5	6.81	2454	2	0.39	-129.1	7800	46.63
1019	23.6	6.81	2458	2	0.42	-129.3	8700	46.63

Did well dewater? Yes (No) Amount actually evacuated: 8700

Sampling Time: 1020 Sampling Date: 9/11/17

Sample I.D.: GW502785 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MNT	Client: **AECOM@Del Amo**
Sampler: MT	Start Date: 9/6/17
Well I.D.: SW0056	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 84.40	Depth to Water: 38.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 3,277 ml
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1103 Flow Rate: 300ml/min Pump Depth: 80 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1114	23.4	6.77	1499	1	0.78	-58.6	3300	38.92
1117	23.8	6.77	1497	1	0.71	-67.7	4200	38.92
1120	23.8	6.77	1498	1	0.62	-73.7	5100	38.92
1123	23.8	6.76	1494	1	0.49	-75.2	6000	38.92
1126	23.8	6.76	1492	1	0.45	-77.1	6600	38.92
1129	23.9	6.76	1494	1	0.45	-79.0	7200	38.92

Did well dewater? Yes (No) Amount actually evacuated: 7200

Sampling Time: 1130 Sampling Date: 9/6/17

Sample I.D.: GWS027S1 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M71	Client: **AECOM@Del Amo**
Sampler: MW	Start Date: 9/7/17
Well I.D.: GWL0057	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 60.00	Depth to Water: 36.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | (Dedicated) Grundfos | Bladder Pump SV: 2,159 ml
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1050 Flow Rate: 200 ml/min Pump Depth: 56 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1053	23.5	6.81	3061	77	1.17	103.6	600	36.16
1056	23.4	6.80	3025	51	1.19	99.2	1200	36.19
1059	24.2	6.81	3036	29	1.12	93.8	1800	36.19
1102	24.4	6.81	3035	17	1.01	92.3	2400	36.19
1105	24.4	6.81	3039	18	0.95	90.2	3000	36.19
1108	24.5	6.80	3041	18	0.93	87.3	3600	36.19

Did well dewater? Yes (No) Amount actually evacuated: 3600

Sampling Time: 1109 Sampling Date: 9/7/17

Sample I.D.: GWS02792 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 179905-MT1	Client: **AECOM@Del Amo**
Sampler: JLC	Start Date: 09/12/17
Well I.D.: SLLW058	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 130.86	Depth to Water: 49.68
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2" Grundfos Pump) Dedicated Grundfos Bladder Pump JV: 4,743
Sampling Method: (Dedicated Tubing) New Tubing Disposable Bailer

Start Purge Time: 1053 Flow Rate: 300 mL/min Pump Depth: 123 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1109	23.4	6.95	2007	4	0.96	-108.2	4800	49.63
1112	23.5	6.90	2012	1	0.92	-97.4	5700	49.63
1115	23.5	6.88	2026	1	0.86	-92.0	6600	49.63
1118	23.6	6.86	2025	1	0.81	-88.4	7500	49.63
1121	23.6	6.85	2026	1	0.78	-87.9	8400	49.63

Did well dewater? Yes (No) Amount actually evacuated: 8.4L

Sampling Time: 1123 Sampling Date: 09/12/17

Sample I.D.: GWS02786 Laboratory: Eurofins/CalScience

Analyzed for: Lee Col Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 179105-MJ1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/11/17
Well I.D.: SWL0059	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 65.53	Depth to Water: 49.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (3) Dedicated Grundfos Bladder Pump SV: 2,198
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1035 Flow Rate: 200mL/min Pump Depth: 57 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
~~1036~~ 1046	26.1	6.58	4797	137	2.27	76.0	2200	49.40
1049	26.3	6.54	4795	134	2.12	77.1	2800	49.40
1052	26.6	6.55	4811	131	1.92	74.3	3400	49.40
1055	26.8	6.55	4831	122	1.65	73.5	4000	49.40
1058	26.8	6.55	4815	113	1.54	72.9	4600	49.41
1101	26.8	6.55	4818	109	1.44	72.1	5200	49.41
1104	27.2	6.55	4821	102	1.36	70.8	5800	49.41
1107	27.4	6.55	4828	98	1.28	70.0	6400	49.41
1110	27.4	6.56	4834	92	1.19	69.1	7000	49.42
1113	27.4	6.56	4842	87	1.06	68.5	7600	49.42
1116	27.5	6.56	4838	83	1.00	67.2	8200	49.42

Did well dewater? Yes (No) Amount actually evacuated:

Sampling Time: Sampling Date: 09/11/17

Sample I.D.: GWS02753 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/11/17
Well I.D.: JW00059	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 65.57	Depth to Water: 49.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2) 2" Grundfos Pump — Dedicated Grundfos — Bladder Pump — SV: 2,198
Sampling Method: (2) Dedicated Tubing — New Tubing — Disposable Bailer

Start Purge Time: 1035 Flow Rate: 200 mL/min Pump Depth: 57' ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1119	27.5	6.56	4833	82	0.95	65.9	8200	49.43
1122	27.5	6.57	4834	82	0.83	65.0	9400	49.43
1125	27.6	6.57	4823	79	0.78	62.8	10000	49.43
1128	27.7	6.57	4830	76	0.71	61.2	10600	49.43
1131	27.7	6.57	4832	76	0.70	60.2	11200	49.43
1134	27.8	6.57	4822	74	0.66	58.2	11800	49.43
1137	27.8	6.57	4826	73	0.64	58.0	12400	49.43
1140	27.9	6.57	4818	69	0.63	56.1	13000	49.43
1143	27.9	6.57	4815	68	0.63	55.6	13600	49.44
1146	28.0	6.57	4822	68	0.59	56.7	14200	49.44
1149	27.9	6.58	4821	69	0.56	55.4	14800	49.44

Did well dewater? Yes (No)	Amount actually evacuated:
Sampling Time:	Sampling Date: 09/11/17
Sample I.D.: GWS02753	Laboratory: Eurofins/CalScience
Analyzed for:	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

(2)
~~3/4~~ (3/4)

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/11/17
Well I.D.: SLW0059	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 65.53	Depth to Water: 49.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2") Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 2,198
Sampling Method: (Dedicated) Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1035 Flow Rate: 200 mL/min Pump Depth: 57' ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1152	28.0	6.57	4820	69	0.55	57.6	15400	49.44
1155	28.0	6.57	4815	68	0.51	52.9	16000	49.44
1158	28.1	6.57	4813	68	0.58	53.2	16600	49.44
1201	28.2	6.57	4817	63	0.60	52.7	17200	49.44
1204	28.2	6.57	4812	61	0.61	52.1	17800	49.44
1207	28.2	6.57	4806	60	0.61	52.4	18400	49.44
1210	28.4	6.57	4806	57	0.63	51.9	19000	49.44
1213	28.3	6.57	4805	55	0.63	53.2	19600	49.44
1216	28.1	6.57	4807	54	0.62	50.7	20200	49.44
1219	28.2	6.57	4801	54	0.62	50.6	20800	49.44
1222	28.3	6.57	4794	53	0.63	50.5	21400	49.44

Did well dewater? Yes (No) Amount actually evacuated:

Sampling Time: Sampling Date: 09/11/17

Sample I.D.: GWS02753 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-001	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/11/17
Well I.D.: SLA059	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 65.53	Depth to Water: 49.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (S) Dedicated Grundfos Bladder Pump SV: 2,198
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1075 Flow Rate: 200 mL/min Pump Depth: 57' ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1225	28.3	6.57	4786	51	0.66	50.6	22000	49.44
1228	28.4	6.57	4785	50	0.66	51.1	22600	49.44
1231	28.3	6.57	4782	49	0.68	50.9	23200	49.44
1234	28.3	6.58	4780	48	0.69	50.1	23800	49.45
1237	28.3	6.58	4777	47	0.71	49.2	24400	49.45
1240	28.3	6.58	4774	46	0.71	50.8	25000	49.45
1243	28.3	6.58	4774	46	0.73	50.8	25600	49.45
1246	28.3	6.58	4772	45	0.74	51.2	26200	49.45
1249	28.3	6.58	4769	44	0.75	51.7	26800	49.45
1252	28.3	6.58	4767	44	0.78	52.6	27400	49.45
1255	28.3	6.58	4762	43	0.81	52.3	28000	49.45

Did well dewater? Yes (No) Amount actually evacuated:

Sampling Time: Sampling Date: 09/11/17

Sample I.D.: GWS02753 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

(5/7) @ (5/3)

LOW FLOW WELL MONITORING DATA SHEET

Project #: 470105-MJ1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/11/17
Well I.D.: MW-09	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 65.53	Depth to Water: 49.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 2,198
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1035 Flow Rate: 200mL/min Pump Depth: 57' ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1258	28.3	6.59	4756	42	0.83	52.4	28800	49.45
1301	28.2	6.59	4758	41	0.84	52.7	29200	49.45
1304	28.2	6.60	4755	40	0.85	52.9	29800	49.45
1307	28.2	6.60	4748	38	0.86	53.6	30400	49.45
1310	28.2	6.60	4745	37	0.87	54.5	30000	49.45
1313	28.2	6.61	4741	36	0.89	54.9	30600	49.45
1316	28.2	6.61	4737	36	0.92	55.4	31200	49.45
1319	28.1	6.61	4733	35	0.93	55.4	31800	49.45
1322	28.1	6.62	4727	35	0.97	55.8	32400	49.45
1325	28.2	6.62	4719	34	1.00	56.3	33000	49.45
1328	28.1	6.62	4722	33	1.02	57.6	33600	49.45

Did well dewater? Yes (No) Amount actually evacuated:

Sampling Time: Sampling Date: 09/11/17

Sample I.D.: GW50d753 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

6/7

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/11/17
Well I.D.: SWL0059	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 65.53	Depth to Water: 49.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2) 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SU 2,19
Sampling Method: (1) Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 1035 Flow Rate: 200 mL/min Pump Depth: 57' ft

Time	Temp. (°C)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1331	28.0	6.63	4717	32	1.05	58.0	34200	49.45
1334	28.0	6.64	4713	31	1.06	58.6	34800	49.45
1337	28.0	6.64	4714	30	1.07	58.4	35400	49.45
1340	28.0	6.65	4705	29	1.09	59.0	36000	49.45
1343	28.0	6.65	4700	28	1.11	60.1	36600	49.45
1346	27.9	6.66	4694	27	1.17	61.1	37200	49.45
1349	27.9	6.66	4700	26	1.17	61.9	37800	49.45
1352	28.0	6.66	4687	25	1.21	62.2	38400	49.45
1355	28.0	6.67	4699	24	1.22	63.1	39000	49.45
1358	28.0	6.67	4686	24	1.23	63.3	39600	49.45
1401	28.0	6.67	4681	24	1.30	64.5	40200	49.45

Did well dewater? Yes (2) Amount actually evacuated:

Sampling Time: Sampling Date: 09/11/17

Sample I.D.: GWS02753 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

7/7

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-JL4	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/11/17
Well I.D.: JW40059	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 65.53	Depth to Water: 49.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: **PVC**	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (2) Dedicated Grundfos Bladder Pump JV: 2,198
Sampling Method: Dedicated Tubing (3) New Tubing Disposable Bailer

Start Purge Time: 1035 Flow Rate: 200 mL/min Pump Depth: 57' ft

Time	Temp. (°C)	pH	Cond. (mS or µS) (5)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1404	28.0	6.67	4676	23	1.27	65.2	40800	49.45
1407	28.0	6.68	4675	21	1.30	65.4	41400	49.45
1410	28.1	6.68	4670	21	1.35	67.1	42000	49.45
1413	28.1	6.68	4669	20	1.34	68.0	42600	49.45
1416	28.0	6.68	4670	20	1.39	69.2	43200	49.45
1419	28.1	6.68	4667	20	1.39	69.5	43800	49.45
1424	28.1	6.69	4660	19	1.40	69.9	44400	49.45

Did well dewater? Yes (6) No Amount actually evacuated: 44.4L

Sampling Time: 1424 Sampling Date: 09/11/17

Sample I.D.: GW02753 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-1001	Client: **AECOM@Del Amo**
Sampler: MW	Start Date: 9/14/17
Well I.D.: SW0060	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 111.53	Depth to Water: 34.73
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC)	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated Grundfos) Bladder Pump SV: 4280
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1201 Flow Rate: 300 ml/min Pump Depth: 101 ft

Time	Temp. (°C)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1216	24.1	7.44	656	5	0.33	-146.9	4500	34.79
1219	24.1	7.43	655	3	0.32	-142.4	5400	34.79
1222	24.1	7.43	655	2	0.32	-142.3	6300	34.79
1225	24.1	7.43	655	2	0.32	-141.4	7200	34.79
1228	24.2	7.43	656	1	0.31	-142.6	8100	34.79
1231	24.2	7.42	655	1	0.32	-144.7	9000	34.79
1234	24.1	7.42	657	1	0.31	-144.8	9900	34.79

Did well dewater? Yes (No) Amount actually evacuated: 9900

Sampling Time: 1235 Sampling Date: 9/14/17

Sample I.D.: GWS02772 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

MC/MSD

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-mg1	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/14/17
Well I.D.: SLW0061	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 136.14	Depth to Water: 49.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2)" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV. 5,013

Sampling Method: (1) Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0910 Flow Rate: 300mL/min Pump Depth: 130 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0927	23.2	7.62	527	5	1.72	+166.5	5100	49.62
0930	23.3	7.62	527	6	1.59	+167.1	6000	49.62
0933	23.3	7.62	527	6	1.52	+167.5	6900	49.62
0936	23.3	7.62	527	6	1.47	+167.6	7800	49.62
0939	23.2	7.63	528	6	1.43	+167.4	8700	49.62

Did well dewater? Yes (No) Amount actually evacuated: 8.7L

Sampling Time: 0941 Sampling Date: 09/14/17

Sample I.D.: GWS02787 Laboratory: Eurofins/CalScience

Analyzed for: see COC Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-151	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/13/17
Well I.D.: SLW0063	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 189.58	Depth to Water: 49.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (3) Dedicated Grundfos Bladder Pump SV: 6,941
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1315 Flow Rate: 300mL/min Pump Depth: 180 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1339	23.9	8.12	1152	2	3.65	+180.1	7200	49.50
1342	24.0	8.08	1165	2	3.33	+181.7	8100	49.50
1345	24.2	8.06	1170	2	3.08	+181.9	9000	49.50
1348	24.1	8.04	1180	2	2.94	+182.1	9900	49.50
1351	24.1	8.01	1188	2	2.81	+181.6	10800	49.50
1354	24.0	8.00	1190	2	2.77	+181.6	11700	49.50

Did well dewater? Yes (No) Amount actually evacuated: 11.7L

Sampling Time: 1356 Sampling Date: 09/13/17

Sample I.D.: GWSO2793 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/12/17
Well I.D.: GWL0064	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 130.49	Depth to Water: 48.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (3) Dedicated Grundfos Bladder Pump JV: 4,705
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 1207 Flow Rate: 300mL/min Pump Depth: 122 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1223	23.0	7.77	721	7	3.67	-100.4	4500	48.70
1226	23.2	7.76	721	7	3.41	-101.1	5700	48.70
1229	23.2	7.76	721	7	3.10	-102.6	6600	48.70
1232	23.2	7.77	724	7	2.89	-110.4	7500	48.70
1235	23.2	7.77	724	6	2.84	-109.7	8400	48.70
1238	23.2	7.77	725	7	2.80	-108.9	9300	48.70

Did well dewater? Yes (No)	Amount actually evacuated: 9.3L
Sampling Time: 1240	Sampling Date: 09/12/17
Sample I.D.: GWS027JJ	Laboratory: Eurofins/CalScience
Analyzed for: See COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 427905-M01	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/13/17
Well I.D.: SVL0065	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: Ked. Pump	Depth to Water: 45.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump | Dedicated (Grundfos) | Bladder Pump SV: 4,705
Sampling Method: Dedicated (Tubing) | New Tubing | Disposable Bailer

Start Purge Time: 1421 Flow Rate: 300 mL/min Pump Depth: 122 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1437	25.2	7.46	135.0	2	0.99	-136.7	4800	45.54
1440	25.3	7.40	135.0	2	0.98	-134.0	5700	45.54
1443	25.3	7.32	135.3	2	0.87	-132.1	6600	45.54
1446	25.3	7.28	135.4	2	0.82	-131.9	7500	45.54
1449	25.7	7.26	135.2	2	0.79	-131.2	8400	45.54

Did well dewater? Yes (No) Amount actually evacuated: 9.4L

Sampling Time: 1451 Sampling Date: 09/13/17

Sample I.D.: GWS02789 Laboratory: Eurofins/CalScience

Analyzed for: See COC Duplicate I.D.: GWS02810 @ 1456

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-MJ1	Client: **AECOM@Del Amo**
Sampler: JL	Start Date: 09/13/17
Well I.D.: SWL0066	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: Ded. Pump	Depth to Water: 50.57
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated Grundfos) Bladder Pump SV: 6,941.
Sampling Method: Dedicated Tubing (New Tubing) Disposable Bailer

Start Purge Time: 1014 Flow Rate: 300mL/min Pump Depth: 180 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1108	25.6	8.18	432.9	0.5	1.09	-53.9	7200	50.81
1111	25.7	8.16	433.1	0.3	0.96	-56.1	8100	50.81
1114	25.8	8.15	433.0	0.3	0.88	-56.5	9000	50.81
1117	25.8	8.14	432.9	0.2	0.83	-57.8	9900	50.82
1120	25.8	8.13	432.8	0.1	0.79	-58.2	10800	50.82

Did well dewater? Yes (No) Amount actually evacuated: 10.8L

Sampling Time: 1122 Sampling Date: 09/13/17

Sample I.D.: GWS02794 Laboratory: Eurofins/CalScience

Analyzed for: Tee WOC Duplicate I.D.: MJ/MSD

Equipment Blank I.D.: @ Time

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*Double checked pH w/ VHrometer

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905	Client: **AECOM@Del Amo**
Sampler: TR	Start Date: 9/14/17
Well I.D.: SWL0068	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 47.96	Depth to Water: 29.85
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" ~~Grundfos Pump~~ WATTERA Dedicated Grundfos Bladder Pump 1504 mL
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer System Vol.

Start Purge Time: 1316 Flow Rate: 400 mL/min Pump Depth: 39 ft

Time	Temp. (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
1321	22.6	6.46	2016	77	6.09	-112	2000	29.95
1324	22.5	6.48	2018	13	6.70	-110	3200	29.95
1327	22.5	6.45	2016	9	5.79	-116	4400	29.95
1330	22.5	6.44	2020	8	5.52	-120	5600	29.95
1333	22.5	6.44	2010	9	5.54	-121	6800	29.95
1336	22.4	6.43	2013	8	5.39	-124	8000	29.95
1339	22.4	6.42	2000	9	5.35	-127	9200	29.95
1342	22.3	6.42	2006	9	5.33	-127	10400	29.95

Did well dewater? Yes No	Amount actually evacuated: 10.4L
Sampling Time: 1343	Sampling Date: 9/14/17
Sample I.D.: GWS02754	Laboratory: Eurofins/CalScience
Analyzed for: See COC	Duplicate I.D.:
Equipment Blank I.D.:	@ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: JK	Start Date: 09/11/17
Well I.D.: XP-02	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 75.69	Depth to Water: 44.22
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: (2) 2" Grundfos Pump | Dedicated Grundfos | Bladder Pump SV: 2,507 mL
Sampling Method: Dedicated Tubing | New Tubing | Disposable Bailer

Start Purge Time: 0914 Flow Rate: 200 mL/min Pump Depth: 65' ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0927	23.3	7.06	1350	4	1.97	-2.8	2600	44.49
0930	23.8	6.98	1354	5	1.81	-2.3	3200	44.49
0933	23.8	6.94	1364	6	1.41	-2.0	3800	44.49
0936	23.9	6.92	1365	7	1.30	-2.0	4400	44.49
0939	23.8	6.91	1366	7	1.27	-2.0	5000	44.49

Did well dewater? Yes (No) Amount actually evacuated: 5.0L

Sampling Time: 0941 Sampling Date: 09/11/17

Sample I.D.: GWS02760 Laboratory: Eurofins/CalScience

Analyzed for: Duplicate I.D.:

Equipment Blank I.D.: @ Time

LOW FLOW WELL MONITORING DATA SHEET

Project #: 170905-M01	Client: **AECOM@Del Amo**
Sampler: AS	Start Date: 9/7/17
Well I.D.: ~~XG-03~~ XP-03	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 93.28	Depth to Water: 39.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Flow Cell Type: YSI PRO PLUS

Purge Method: 2" Grundfos Pump (Dedicated) Dedicated Grundfos Bladder Pump SV: 3,586 ml
Sampling Method: Dedicated Tubing New Tubing Disposable Bailer

Start Purge Time: 0837 Flow Rate: 200 ml/min Pump Depth: 90 ft

Time	Temp. (°C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	Depth to Water (ft.)
0840	22.1	7.72	1852	109	0.42	67.4	600	39.14
0843	22.2	7.69	1856	24	0.31	60.9	1200	39.14
0846	22.3	7.89	1857	23	0.26	45.5	1800	39.14
0849	22.6	7.84	1865	18	0.23	24.7	2400	39.14
0852	22.6	7.79	1862	16	0.22	26.4	3000	39.14
0855	22.6	7.81	1858	17	0.20	25.8	3600	39.14

Did well dewater? Yes (No) Amount actually evacuated: 3600

Sampling Time: 0856 Sampling Date: 9/7/17

Sample I.D.: GWS02776 Laboratory: Eurofins/CalScience

Analyzed for: Gas COC Duplicate I.D.: GWS02811 @ 0856

Equipment Blank I.D.: @ Time

Montrose

2017 Well Gauging Forms

&

GW Measurement Adjustments from Field Calibration

JHA ENVIRONMENTAL

2017 Montrose Groundwater Gauging Event

Well ID	Property Owner	Time	Depth to Water	2016 Depth to Water	Casing Size	Total Depth	DTB Remarks
SWL0011	AECOM Access	1200	41.44	42.55	~~4~~ 4"	108.60	180.71 PUMP IN WELL
BF-IW-2	Alpine Village	1100	32.36	34.34	~~8~~ 12"	144.00	~~144.25~~ SOFT NO TUBING 143.4
SWL0026	Alpine Village	1115	34.20	34.66	~~2.00~~ 4"	175.50	179.90 SOFT TUBING
SWL0027	Alpine Village	1130	32.60	33.66	~~7~~ 4"	135.00	138.15 SOFT TUBING
MW-09	Eastern Diamond/GLJ	828	59.18	60.39	4.00 ✓	85.00	80.11 SOFT TUBING.
G-15	Famer Brothers Coffee	1400	59.95	59.20	4.00 ✓	184.00	184.12 No Access TUBING
G-05	LADWP			52.82	4.00	194.00	
LW-02	LADWP			60.98	4.00	253.00	
MW-06	LADWP			55.27	4.00	85.00	
MW-13	LADWP			52.47	4.00	81.00	
BF-IW-1	MMB	1115	63.10	64.78	12 ✓	125.00	125.10 NO TUBING
G-29	Peace Apostolic Church	1000	48.67	49.38	4.00 ✓	197.00	197.64 SOFT & TUBING
MW-22	Prologis Propterty II (R)	1006	50.60	51.82	4.00 ✓	74.00	74.10 TUBING (R)
MW-16	RockTenn			51.23	4.00 ✓	78.00	No Access
G-34	Solt Vermont, LLC	817	51.50	52.40	4.00 ✓	187.00	186.80 SOFT TUBING.
MW-19	Sunlife Holding LLC	930	55.09	56.27	4.00 ✓	80.00	79.95 SOFT NO TUBING
BF-07	Waste Management	910	51.63	52.84	4.00 ✓	119.00	118.30 SOFT NO TUBING
G-06	Waste Management	905	52.55	53.54	4.00 ✓	192.00	191.80 SOFT NO TUBING
LBF-OW-2	Waste Management			--	?	137.00	
LW-04	Waste Management	900	62.11	61.43	4.00 ✓	246.00	246.00 SOFT TUBING
MBFB-EW-1	Waste Management	1430 ~~1400~~	46.40	47.70	?	77.00	TGRS Readout
SWL0020		1230	36.32	N/A ~~30~~ ~~32~~	4"	DTB 204.55	No TUBING

Technician: LW

Measuring Device ID: 62300

JHA ENVIRONMENTAL

2017 Montrose Groundwater Gauging Event

Well ID	Location	Time	Depth to Water	2016 Depth to Water	Casing Size	Total Depth	Remarks
BF-02	Montrose Property			59.30	4.00	128.00	
BF-03	Montrose Property			58.32	4.00	125.50	
BF-04	Montrose Property			57.56	4.00	126.00	
BF-09	Montrose Property			58.66	6.00	129.00	
G-01	Montrose Property			57.13	4.00	164.50	
G-02	Montrose Property			54.32	4.00	180.00	
G-03	Montrose Property			60.26	4.00	170.00	
LG-01	Montrose Property			53.88	4.00	211.00	
LG-02	Montrose Property			55.29	4.00	207.00	
LW-01	Montrose Property			63.67	4.00	251.00	
LW-05	Montrose Property			65.03	4.00	251.00	
LW-06	Montrose Property			65.34	4.00	256.00	
LW-07	Montrose Property			67.28	4.00	251.00	
MW-01	Montrose Property			52.68	4.00	76.60	
MW-02	Montrose Property			58.65	4.00	77.50	
MW-04	Montrose Property			56.60	4.00	75.30	
MW-05	Montrose Property			56.65	4.00	72.40	
UBE-01	Montrose Property	1200	58.00	59.35	8.00	94.30	92.10 No DNPAL Slough Notes
UBE-02	Montrose Property	1310	54.34	55.60	? 8"	82.00	83.60 No DNAPL "
UBE-03	Montrose Property	1320	53.63	54.98	? 8"	88.00	87.15 No DNAPL "
UBE-04	Montrose Property	1250	55.13	56.45	? 8"	92.00	94.70 No DNAPL "
UBE-05	Montrose Property	1400	55.37	57.51	? 8"	85.00	89.25 No DNAPL "
UBI-01	Montrose Property	1345	54.95	56.25	? 6"	90.00	89.27 No DNAPL "
UBI-02	Montrose Property	1335	56.22	56.50	? 6"	90.00	94.20 No DNAPL "
UBT-01	Montrose Property	1235	57.82	59.17	6.00	99.00	93.40 No DNAPL "
UBT-02	Montrose Property	1225	57.93	59.27	4.00	99.00	95.50 No DNAPL "
UBT-03	Montrose Property	1215	57.98	59.37	4.00	99.00	95.10 No DNAPL "

Technician: LW

Measuring Device ID: 51725

JHA ENVIRONMENTAL

2017 Montrose Groundwater Gauging Event

Well ID	Location	Time	Depth to Water	2016 Depth to Water	Casing Size	Total Depth	Remarks	TD/DTB
BF-02	Montrose Property	09:25	57.96	59.30	4.00	128.00	Tubing and Bladder OK	123.85
BF-03	Montrose Property	07:50	56.98	58.32	4.00	125.50	Tubing OK & Bladder	123.20
BF-04	Montrose Property	07:55	56.23	57.56	4.00	126.00	Tubing & Bladder OK.	122.35
BF-09	Montrose Property	09:40	57.32	58.66	6.00	129.00	Tubing & Bladder OK.	128.19
GE-01	Montrose Property	09:05	55.90	57.13	4.00	164.50	Tubing & Bladder OK	163.20 **
GE-02	Montrose Property	08:45	53.05	54.32	4.00	180.00	Tubing, No Bladder.	167.13
GE-03	Montrose Property	09:10	59.95	60.26	4.00	170.00	Tubing, no Bladder.	163.80
LLE-01	Montrose Property	08:10	52.67	53.88	4.00	211.00	Tubing, No Bladder.	208.30
LLE-02	Montrose Property	08:25	54.02	55.29	4.00	207.00	Tubing, No bladder.	205.30
LLM-01	Montrose Property	08:30	64.29	63.67	4.00	251.00	Tubing, Bladder OK	249.75
LLM-05	Montrose Property	08:55	65.51 **	65.03	4.00	251.00	Tubing, No Bladder	250.45 *
LLM-06	Montrose Property	10:15	66.00	65.34	4.00	256.00	Tubing, Bladder OK	256.60
LLM-07	Montrose Property	09:20	67.92 **	67.28	4.00	251.00	Tubing, No Bladder	247.79
MW-01	Montrose Property	08:00	51.46	52.68	4.00	76.60	Tubing & Bladder OK.	73.40
MW-02	Montrose Property	09:35	57.45	58.65	4.00	77.50	Tubing, No Bladder	77.45
MW-04	Montrose Property	08:50	55.30	56.60	4.00	75.30	Tubing & Bladder OK	75.00 *
MW-05	Montrose Property	10:00	~~63.65~~ 55.41	56.65	4.00	72.40		74.35
LBE-01	Montrose Property	14:30	58.00	59.35	8.00	94.30		
LBE-02	Montrose Property			55.60	?	82.00		
LBE-03	Montrose Property	~~14:00~~	~~58.00~~	54.98	4.00	~~88.00~~	~~[illegible]~~	
LBE-04	Montrose Property			56.45	?	92.00		
LBE-05	Montrose Property			57.51	?	85.00		
LBB-01	Montrose Property			56.25	?	90.00		
LBB-02	Montrose Property			56.50	?	90.00		
LBT-01	Montrose Property			59.17	6.00	99.00		
LBT-02	Montrose Property			59.27	4.00	99.00		
LBT-03	Montrose Property	14:00	57.98	59.37	4.00	99.00	~~[illegible]~~ 95.10	NO DNAPL

* Not on Map (Locations)

Technician: [illegible]

Measuring Device ID: 51725

JHA ENVIRONMENTAL

2017 Montrose Groundwater Gauging Event

Well ID	Location	Time	Depth to Water	#N/A	Casing Size	#N/A	Remarks
BF-24		1031	41.20	43.23	4.00	122.00	119.90
G-25		1344	54.91	56.34	4.00	164.00	163.75
BF-25		858	34.91	35.81	4.00	115.00	Ext Pump in well
G-26		1359	45.20	46.56	4.00	172.00	172.70
BF-26		825	47.00	47.91	4.00	110.00	Ext Pump. 2/2 screws broke in box
G-27		954	35.17	36.27	4.00	164.00	164.28
BF-27		831	35.25	36.41	4.00	122.00	119.35
G-28		822	47.62	48.59	4.00	188.00	187.40
BF-28		837	~~47.00~~ 45.10	46.29	4.00 108.78	115.00	~~Pump in well 2/2 screws broke~~ 3/3 missing in box
BF-29		1248	48.96	50.11	4.00	126.00	118.88 ✓✓ (map wrong. Local)
G-30		1259	53.72	55.21	4.00	165.00	159.38
BF-30		958	34.65	35.66	4.00	120.00?	111.40
G-31		749 ~~751.95~~	51.95	52.61	4.00	175.00	173.88 no tubing, Lid separated from Box
BF-31		1255	46.55	48.11	4.00	135.00	134.25 - new box, full of debris above toc.
G-32		756	48.52	49.11	4.00	190.00	190.45
G-33		1336	58.74	59.86	4.00	173.00	172.80 Label "G-32" on ground
BF-33		1324	44.65	46.31	4.00	101.00	no TD insufficient traffic
G-35		843	43.27	44.36	4.00	190.00	190.45
BF-35		1436	59.04	60.46	4.00	126.00	125.55 2/2 missing
BF-36		801	46.78	48.01	4.00	126.00	126.00
P.O. BF-32A		825	59.10	60.18	4.00	120.00	120.00 TUBING
G-19A		1054	46.39	47.37	~~4"~~	200.00	200.27
G-EW-5		1028	42.03	44.01	~~8.5"~~	190.00	190.65 3/3 missing, no Lid
G-OW-3		1036	40.51	41.46	2.00	155.00	155.16
G-OW-4		1237	51.11	52.33	2" ⌀	173.00	173.05
LBF-OW-3		1039	40.51	41.47	? 2.0"	136.00	136.83 no tubing
LW-03		1422	59.87 ✓✓	59.13	4.00	261.00	256.65
MW-10		1431	51.79	53.10	4.00	83.00	76.34
MW-11		1412	51.30	52.57	4.00	84.00	79.90
MW-23		1125	45.00	46.49	4.00	80.00	78.70

Technician: Eric Morse

Measuring Device ID: 32462

JHA ENVIRONMENTAL

2017 Montrose Groundwater Gauging Event

Well ID	Location	Time	Depth to Water	2016 Depth to Water	Casing Size	Total Depth	Remarks
G-04		1404	48.28	50.87	4.00	195.00	Ext Pump in well
BF-05		1408	49.70	49.51	4.00	135.00	135.00
G-08		1150	33.04	34.13	4.00	181.00	174.70 2/2 missing
G-09		11.03	40.03	41.15	4.00	213.00	210.70 2/2 missing
BF-10		1110	38.78	40.01	4.00	131.00	129.62 2/2 missing
P.O. 1015 BF-11		740	44.10	45.49	4.00	124.00	PUMP IN WELL. 122.11
G-12		1112	36.85	37.92	4.00	198.00	193.97
BF-12		854	32.96	34.13	4.00	120.00	118.71
G-13		1140	46.92	47.94	4.00	197.00	194.50
G-14		1428	50.50	51.36	4.00	196.00	193.60
BF-14		1144	45.91	47.14	4.00	122.00	121.25, bad cap
P.O. BF-15	730	~~1150~~	~~33.04~~ 32.26	33.43	4.00	114.00	~~[illegible]~~ TUBING 113.91
G-16		1203	47.37	48.51	4.00	187.00	183.95
BF-16		1006	45.56	46.74	4.00	130.00	122.00
BF-17		949	33.46	34.55	4.00	124.00	Ext Pump in well 2/2 missing
G-18		907	33.26	34.17	4.00	202.00	201.47
BF-19		1418	49.15	50.54	4.00	135.00	131.35
G-21		1440	57.35	58.54	2" ?	169.00	167.85 2/2 stripped 1/2 missing
BF-21		1227	48.80	50.24	4.00	123.00	119.68 1/2 stripped/wont seat
G-22		849	35.48	36.77	4.00	192.00	191.79 no tubing
BF-22		1003	44.44	45.49	4.00	120.00	116.58
G-23		1013	45.85	46.96	4.00	178.00	177.65
BF-23		1120	35.32	36.39	4.00	120.00	Ext Pump 2/2 missing
G-24		1231	50.35	51.64	4.00	178.30	178.18
BF-OW-3		1041	39.26	40.51	2.00	120.00	119.95 no tubing
BF-OW-4		1240	50.49	51.89	2"	118.00	118.17
MW-24		1157	31.37	32.69	4.00	68.00	63.50 missing 2/2.
MW-25		1049	41.67	42.82	4.00	75.00	Ext. Pump in well
P.O. MW-26		700	47.90	49.16	4.00	80.00	79.26 TUBING
MW-30		1217	46.56	#N/A	#N/A 4"	~~#N/A~~	69.25
SWL0034		1137	45.95	46.88	4"	175.80	175.80 1/2 stripped
SWL0049		1213	41.48	42.70	? 4"	62.30	Pump in well 1/2 tabs broken
G-34		817	51.50	~~51.50~~	4	186.80	

Technician: Eric Morse

Measuring Device ID: 32462

JHA ENVIRONMENTAL

2017 Montrose Groundwater Gauging Event

Well ID	Location	Time	Depth to Water	2016 Depth to Water	Casing Size	Total Depth	Remarks
G-04	Public ROW	1404	48.28	50.87	4.00	195.00	EXT Pump in well
BF-05		1408	49.70	49.51	4.00	135.00	135.00
G-08		1150	33.04	34.13	4.00	181.00	174.70 2/2 missing
G-09		11.03	40.03	41.15	4.00	213.00	210.70 2/2 missing
BF-10		1110	38.78	40.01	4.00	131.00	129.62 2/2 missing
P.O. 1015 BF-11		740	44.10	45.49	4.00	124.00	PUMP IN WELL 122.11
G-12		1112	36.85	37.92	4.00	198.00	193.97
BF-12		854	32.96	34.13	4.00	120.00	118.71
G-13		1140	46.92	47.94	4.00	197.00	194.50
G-14		1428	50.50	51.36	4.00	196.00	193.60
BF-14		1144	45.91	47.14	4.00	122.00	121.25, bad cap
P.O. BF-15	730 ~~1150~~	~~33.04~~	32.26	33.43	4.00	114.00	~~mp coring~~ TUBING 113.91
G-16		1203	47.37	48.51	4.00	187.00	183.95
BF-16		1006	45.56	46.74	4.00	130.00	122.00
BF-17		949	33.46	34.55	4.00	124.00	Ext Pump in well 2/2 missing
G-18		907	33.26	34.17	4.00	202.00	201.47
BF-19		1418	49.15	50.54	4.00	135.00	131.35
G-21		1440	57.35	58.54	2" ?	169.00	167.85 2/2 stripped 1/2 missing
BF-21		1227	48.80	50.24	4.00	123.00	119.68 1/2 stripped/ won't set
G-22		849	35.48	36.77	4.00	192.00	191.79 no tubing
BF-22		1003	44.44	45.49	4.00	120.00	116.58
G-23		1013	45.85	46.96	4.00	178.00	177.65
BF-23		1120	35.32	36.39	4.00	120.00	Ext Pump 2/2 missing
G-24		1231	50.35	51.64	4.00	178.30	178.18
BF-OW-3		1041	39.26	40.51	2.00	120.00	119.95 no tubing
BF-OW-4		1240	50.49	51.89	2" ?	118.00	118.17
MW-24		1157	31.37	32.69	4.00	68.00	63.50 missing 1/2
MW-25		1049	41.67	42.82	4.00	75.00	Ext. Pump in well
P.O. MW-26		700	47.90	49.16	4.00	80.00	79.26 TUBING
MW-30		1217	46.56	#N/A	#N/A 4"	~~#N/A~~	69.25
SWL0034		1137	45.95	46.88	? 4"	175.80	175.80 1/2 stripped
SWL0049		1223	41.48	42.70	? 4"	62.30	Pump in well 1/2 tabs broken
G-34		817	51.50	~~51.50~~	4	186.80	

Technician: Eric Morse

Measuring Device ID: 32462

JHA ENVIRONMENTAL

2017 Montrose Groundwater Gauging Event

Well ID	Location	Time	Depth to Water	#N/A	Casing Size	#N/A	Remarks
BF-24	Public Row	1031	41.20	43.23	4.00	122.00	119.90
G-25		1344	54.91	56.34	4.00	164.00	163.75
BF-25		858	34.91	35.81	4.00	115.00	Ext Pump in well
G-26		1359	45.20	46.56	4.00	172.00	172.70
BF-26		825	47.00	47.91	4.00	110.00	Ext Pump. 2/2 screws broke in box.
G-27		954	35.17	36.27	4.00	164.00	164.28
BF-27		831	35.25	36.41	4.00	122.00	119.35
G-28		822	47.62	48.59	4.00	188.00	187.40
BF-28		837	~~47.00~~ 45.10	46.29	4.00 108.78	115.00	~~Pump in well 2/2 screws broke off~~ 3/3 missing in box.
BF-29		1248	48.96	50.11	4.00	126.00	118.88 ✓✓ (map wrong. Location)
G-30		1259	53.72	55.21	4.00	165.00	159.38
BF-30		958	34.65	35.66	4.00	120.00?	111.40
G-31		749 ~~751.95~~	51.95	52.61	4.00	175.00	173.88 no tubing Lid separated from Box
BF-31		1255	46.55	48.11	4.00	135.00	134.25 - new box, full of debris above t.o.c.
G-32		756	48.52	49.11	4.00	190.00	190.45
G-33		1336	58.74	59.86	4.00	173.00	172.80 Labeled "G-32" on ground
BF-33		1324	44.65	46.31	4.00	101.00	~~10~~ no TD unsafe traffic etc
G-35		843	43.27	44.36	4.00	190.00	190.45
BF-35		1436	59.04	60.46	4.00	126.00	125.55 2/2 missing
BF-36		801	46.78	48.01	4.00	126.00	126.00
P.O. BF-32A		825	59.10	60.18	4.00	120.00	120.00 TUBING
G-19A		1054	46.39	47.37	~~3~~ 4"	200.00	200.27
G-EW-5		1028	42.03	44.01	~~2~~ 8.5"	190.00	190.65 3/3 missing, no Lid
G-OW-3		1036	40.51	41.46	2.00	155.00	155.16
G-OW-4		1237	51.11	52.33	2" ?	173.00	173.05
LBF-OW-3		1039	40.51	41.47	? 2.0"	136.00	136.83 no tubing
LW-03		1422	59.87 ✓✓	59.13	4.00	261.00	256.65
MW-10		1431	51.79	53.10	4.00	83.00	76.34
MW-11		1412	51.30	52.57	4.00	84.00	79.90
MW-23		1125	45.00	46.49	4.00	80.00	78.70

Technician: Eric Morse

Measuring Device ID: 32462

JHA ENVIRONMENTAL

2017 Montrose Groundwater Gauging Event

Well ID	Property Owner	Time	Depth to Water	2016 Depth to Water	Casing Size	Total Depth	DTB Remarks
SWL0011	AECOM Access	1200	41.44	42.55	~~4~~ 4"	108.60	180.71 PUMP IN WELL.
BF-IW-2	Alpine Village	1100	32.36	34.34	~~2~~ 12"	144.00	~~144.25~~ SOFT NO TUBING 143.46
SWL0026	Alpine Village	1115	34.20	34.66	~~2.00~~ 4"	175.50	179.90 SOFT TUBING
SWL0027	Alpine Village	1130	32.60	33.66	~~2~~ 4"	135.00	138.15 SOFT TUBING
MW-09	Eastern Diamond/GLJ	828	59.18	60.39	4.00 ✓	85.00	80.11 SOFT TUBING.
G-15	Famer Brothers Coffee	1400	59.95	59.20	4.00 ✓	184.00	184.12 No Access TUBING
* G-05	LADWP	1300	51.61	52.82	4.00	194.00	193.89 Soft
* LW-02	LADWP	1301	59.68	60.98	4.00	253.00	252.35 "
* MW-06	LADWP	1345	54.94	55.27	4.00	85.00	95.50 "
* MW-13	LADWP	1305	51.05	52.47	4.00	81.00	80.28 "
BF-IW-1	MMB	1115	93.10	64.78	12 ~~2~~	125.00	125.10 NO TUBING
G-29	Peace Apostolic Church	1000	48.67	49.38	4.00 ✓	197.00	197.64 SOFT & TUBING
MW-22	Prologis Propterty II (R)	1006	50.60	51.82	4.00 ✓	74.00	74.10 TUBING (R)
MW-16	RockTenn			51.23	4.00 ✓	78.00	No Access
G-34	Solt Vermont, LLC	817	51.50	52.40	4.00 ✓	187.00	186.80 SOFT TUBING.
MW-19	Sunlife Holding LLC	930	55.09	56.27	4.00 ✓	80.00	79.95 SOFT NO TUBING
BF-07	Waste Management	910	51.63	52.84	4.00 ✓	119.00	118.30 SOFT NO TUBING
G-06	Waste Management	905	52.55	53.54	4.00 ✓	192.00	191.80 SOFT NO TUBING
LBF-OW-2	Waste Management	—	—	--	?	137.00	—
LW-04	Waste Management	900	62.11	61.43	4.00 ✓	246.00	246.00 SOFT TUBING
MBFB-EW-1	Waste Management	1430 ~~1400~~	46.40	47.70	?	77.00	TGRS Readout
SWL0020		1230	36.32	~~36.32~~ N/A	4"	DTB 204.55	NO TUBING

Technician: LW

Measuring Device ID: 62300

JHA ENVIRONMENTAL

2017 Montrose Groundwater Gauging Event

Well ID	Location	Time	Depth to Water	2016 Depth to Water	Casing Size	Total Depth	Remarks	TD/DTB
BF-02	Montrose Property	09:25	57.96	59.30	4.00	128.00	Tubing and Bladder OK.	123.85
BF-03	Montrose Property	07:50	56.98	58.32	4.00	125.50	Tubing OK & Bladder.	123.20
BF-04	Montrose Property	07:55	56.23	57.56	4.00	126.00	Tubing & Bladder OK.	122.35
BF-09	Montrose Property	09:40	57.32	58.66	6.00	129.00	Tubing & Bladder OK.	128.19
G-01	Montrose Property	09:05	55.90	57.13	4.00	164.50	Tubing & Bladder OK	163.20 ***
G-02	Montrose Property	08:45	53.05	54.32	4.00	180.00	Tubing, No Bladder.	167.13
G-03	Montrose Property	09:10	58.95	60.26	4.00	170.00	Tubing no Bladder.	163.80
LG-01	Montrose Property	08:10	52.67	53.88	4.00	211.00	Tubing. No Bladder.	208.30
LG-02	Montrose Property	08:25	54.02	55.29	4.00	207.00	Tubing. No bladder.	205.30
LW-01	Montrose Property	08:30	64.29	63.67	4.00	251.00	Tubing Bladder OK.	249.75
LW-05	Montrose Property	08:55	65.51 **	65.03	4.00	251.00	Tubing. No Bladder	250.45 *
LW-06	Montrose Property	1015	66.00	65.34	4.00	256.00	Tubing. Bladder ok	256.00
LW-07	Montrose Property	09:20	67.92 **	67.28	4.00	251.00	Tubing, No Bladder.	247.79
MW-01	Montrose Property	08:00	51.46	52.68	4.00	76.60	Tubing & Bladder OK.	73.40
MW-02	Montrose Property	09:35	57.45	58.65	4.00	77.50	Tubing, No Bladder.	77.45
MW-04	Montrose Property	08:50	55.30	56.60	4.00	75.30	Tubing & Bladder, OK	75.00 *
MW-05	Montrose Property	10:00	~~63.65~~ 55.91	56.65	4.00	72.40		74.35
UBE-01	Montrose Property	1430	58.00	59.35	8.00 –	94.30		
UBE-02	Montrose Property			55.60	?	82.00		
UBE-03	Montrose Property	~~1400~~	~~58.00/57.99~~	54.98	~~4.00~~ –	~~88.00~~	~~98.15 NO DNAPL~~	
UBE-04	Montrose Property			56.45	?	92.00		
UBE-05	Montrose Property			57.51	?	85.00		
UBI-01	Montrose Property			56.25	?	90.00		
UBI-02	Montrose Property			56.50	?	90.00		
UBT-01	Montrose Property			59.17	6.00	99.00		
UBT-02	Montrose Property			59.27	4.00	99.00		
UBT-03	Montrose Property	1400	57.98	59.37	4.00	99.00	~~98.15~~ 93.10 NO DNAPL	

*** No bolts. ** Double check dTW. * Move on Map. (Locations)

Technician: SJackson

Measuring Device ID: 51725

JHA ENVIRONMENTAL

2017 Montrose Groundwater Gauging Event

Well ID	Location	Time	Depth to Water	2016 Depth to Water	Casing Size	Total Depth	Remarks
BF-02	Montrose Property			59.30	4.00	128.00	
BF-03	Montrose Property			58.32	4.00	125.50	
BF-04	Montrose Property			57.56	4.00	126.00	
BF-09	Montrose Property			58.66	6.00	129.00	
G-01	Montrose Property			57.13	4.00	164.50	
G-02	Montrose Property			54.32	4.00	180.00	
G-03	Montrose Property			60.26	4.00	170.00	
LG-01	Montrose Property			53.88	4.00	211.00	
LG-02	Montrose Property			55.29	4.00	207.00	
LW-01	Montrose Property			63.67	4.00	251.00	
LW-05	Montrose Property			65.03	4.00	251.00	
LW-06	Montrose Property			65.34	4.00	256.00	
LW-07	Montrose Property			67.28	4.00	251.00	
MW-01	Montrose Property			52.68	4.00	76.60	
MW-02	Montrose Property			58.65	4.00	77.50	
MW-04	Montrose Property			56.60	4.00	75.30	
MW-05	Montrose Property			56.65	4.00	72.40	
UBE-01	Montrose Property	1200	58.00	59.35	8.00	94.30	92.10 No DNAPL
UBE-02	Montrose Property	1310	54.34	55.60	? 8"	82.00	83.60 No DNAPL
UBE-03	Montrose Property	1320	53.63	54.98	? 8"	88.00	87.15 No DNAPL
UBE-04	Montrose Property	1250	55.13	56.45	? 8"	92.00	94.70 No DNAPL
UBE-05	Montrose Property	1400	55.37	57.51	? 8"	85.00	89.25 No DNAPL
UBI-01	Montrose Property	1345	54.95	56.25	? 6"	90.00	89.27 No DNAPL
UBI-02	Montrose Property	1335	56.22	56.50	? 6"	90.00	94.20 No DNAPL
UBT-01	Montrose Property	1235	57.82	59.17	6.00	99.00	93.40 No DNAPL
UBT-02	Montrose Property	1225	57.93	59.27	4.00	99.00	95.50 No DNAPL
UBT-03	Montrose Property	1215	57.98	59.37	4.00	99.00	95.10 No DNAPL

See Previous Page

Technician: LW

Measuring Device ID: 51725

Montrose

2017 Well Purge Forms

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-02		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	128.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	114	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	125	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	57.96	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** R: 9 D: 6	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	119.5'	**Weather Conditions:** ~~PC~~ Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1426	57.95	300	900	23.8	1.59	7.43	4.94	2.13	-29.4	clear
1429	57.95		1800	23.7	1.75	7.27	4.88	0.79	-123.1	
1432	57.95		2700	23.6	1.78	7.25	4.27	0.74	-146.8	
1435	57.95		3600	23.6	1.85	7.20	4.60	0.68	-167.2	
1438	57.95		4500	23.6	1.87	7.19	4.63	0.71	-169.1	
1441	57.95		5400	23.6	1.87	7.18	4.54	0.72	-173.4	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1445	BF-02_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-03		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	125.50	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	114	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	124	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	56.98	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 5 **R:** 9 **D:** 6	**Sampled By:** E. Wolmberg
Pump Set Depth (ft):	119'	**Weather Conditions:**	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1002	56.98	200	600	24.2	0.88	8.70	4.77	2.87	118.5	clear
1005	56.98	↓	1200	24.0	1.10	7.42	4.73	1.91	114.8	↓
1008	56.98		1800	23.9	1.08	7.43	4.69	1.74	113.2	
1011	56.98		2400	23.8	1.06	7.50	4.67	2.03	113.3	
1014	56.98		3000	23.8	1.05	7.55	4.59	2.13	113.6	
1017	56.98		3600	23.8	1.05	7.51	4.48	2.19	113.9	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1020	BF-03_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-04		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	126.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	112	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	123	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	56.23	**Control Box Settings**	**Client Project Number:** N4
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Nilmsen
Pump Set Depth (ft):	117.5'	**Weather Conditions:** Pt. Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1042	56.14	300	900	23.7	1.12	7.29	7.97	3.22	113.3	clear
1045	56.14	↓	1800	23.7	1.08	7.33	7.24	3.60	112.1	↓
1048	56.14		2700	23.6	1.02	7.40	6.95	4.74	112.5	
1051	56.14		3600	23.6	1.01	7.42	6.67	4.89	112.6	
1054	56.14	↓	9500	23.6	1.00	7.43	6.81	4.99	112.7	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1055	BF-04_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-05		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-12-17
Installed Well Depth (ft):	135.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	122	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	132	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	49.20	**Control Box Settings**	**Client Project Number:** N/A
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 11 **D:** 9.0	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	127'	**Weather Conditions:**	Pt. Cloudy

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1453	48.23	200	600	23.7	0.57	7.55	2.57	2.30	103.8	clear
1456	48.23	↓	1200	23.3	0.57	7.55	2.36	2.20	96.1	↓
1459	48.23		1800	23.4	0.56	7.55	2.20	0.94	89.6	
1502	48.23		2400	23.3	0.56	7.55	2.18	0.91	84.0	
1505	48.23	↓	3000	23.3	0.56	7.55	2.22	0.89	82.4	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1510	BF-05-20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-09		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	129.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	107	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	128	YSI PRO PLUS	**Client Name:** Montrose / demaximis
Depth to Water (ft):	57.32	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	6 ✓	**CPM:** 4 **R:** 5 **D:** 10	**Sampled By:** A. GRABOW
Pump Set Depth (ft):	188'	**Weather Conditions:**	Sunny

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. uS/cm (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1210	57.30	200	1000	24.3	4032	7.14	50	1.96	-46.0	PRODUCT / CLEAR
1213	57.30		1600	24.1	3993	7.13	44	1.83	-44.2	
1216	57.30		2200	23.9	3910	7.10	44	1.57	-47.9	
1219	57.30		2800	24.0	3907	7.09	43	1.50	-48.7	
1222	57.30		3400	23.9	3894	7.09	41	1.40	-50.4	
1225	57.30		4000	23.9	3890	7.08	40	1.41	-51.6	
1228	57.30		4600	24.0	3885	7.09	41	1.41	-52.3	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1230	BF-09_20170914

Notes: ✓ = CONFIRMED

PHOTO TAKEN OF GROUP WELL DUP = BF-09_20170914_FD @ 1230

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-10		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	131.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	120	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	130	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	38.78	**Control Box Settings**	**Client Project Number:** N4
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9.5 **D:** 4.5	**Sampled By:** FC
Pump Set Depth (ft): 123		**Weather Conditions:** Clear	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1404	38.72	200	1000	22.2	0.87	7.45	7.25	0.91	-126.4	clear
1407	38.72		1600	22.1	0.94	7.52	6.31	0.64	-146.6	
1410	38.72		2200	22.2	0.96	7.54	7.13	0.51	-162.9	
1413	38.72		2800	22.1	0.96	7.53	3.95	0.44	-179.1	
1416	38.72		3400	22.0	0.97	7.54	3.93	0.42	-181.6	
1419	38.72		4000	22.0	0.97	7.53	3.87	0.41	-186.5	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1420	BF-10_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-11		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-11-17
Installed Well Depth (ft):	124.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	104	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	124	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	44.10	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Wilmberg
Pump Set Depth (ft):	114'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1457	43.98	300	900	22.8	0.272	6.80	1.39	1.85	-16.8	clear
1500	43.98	↓	1800	22.6	0.268	6.80	1.35	1.09	-16.1	↓
1503	43.98	↓	2700	22.4	0.268	6.90	1.27	0.87	-15.5	↓
1506	43.98	↓	3600	22.4	0.268	6.88	1.29	0.91	-15.4	↓
1509	43.98	↓	4500	22.4	0.268	6.89	1.25	0.89	-15.3	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1510	BF-11-20170911

Notes: Dedo Pump

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-12		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-11-17
Installed Well Depth (ft):	120.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	110	**WQ Meter Model**	**Project Number:** F205d
Bottom of Screen:	120	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	32.96	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** NaR: NA **D:** NA	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	115'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1139	32.89	300	900	23.1	1.09	8.13	12.2	4.82	19.5	clear
1142	32.90	↓	1800	23.0	0.96	8.20	8.03	2.25	15.8	↓
1145	32.90		2700	23.0	0.86	8.03	7.11	2.38	15.1	
1148	32.90		3600	22.8	0.88	7.86	6.82	2.62	16.5	
1151	32.90		4500	22.9	0.86	7.72	6.91	3.21	18.3	
1154	32.90		5400	22.8	0.85	7.70	6.70	3.30	19.9	
1157	32.90	↓	6300	22.8	0.85	7.69	6.70	3.38	19.8	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1200	BF-12_20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-14		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	122.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	111	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	121	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	45.91	95psi Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 12 **D:** 5	**Sampled By:** RL
Pump Set Depth (ft): 116		**Weather Conditions:** overcast	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1100	45.41	200	1000	23.4	1.71	6.90	19.3	2.04	-79.7	clear
1103	45.54	"	1600	23.4	1.67	6.94	16.9	3.00	-80.5	"
1106	45.65	100	1900	23.9	1.70	6.97	17.3	3.41	-76.7	"
1109	45.66	"	2200	24.0	1.73	6.97	12.3	3.30	-77.5	"
1112	45.66	"	2500	24.5	1.72	6.97	11.1	3.21	-79.9	"
1115	45.66	"	2800	24.4	1.75	6.97	9.38	3.15	-81.9	"

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1115	BF-14_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-15		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	114.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	98	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	113	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	32.26	Tops: Control Box Settings	**Client Project Number:** W4
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9-5 **D:** 5.5	**Sampled By:** RC
Pump Set Depth (ft): 105.5		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0658	32.09	200	1000	22.1	1.60	6.67	9.81	2.09	95.7	clear
0701	32.09		1600	22.0	2.21	6.71	6.38	1.03	63.0	
0704	32.09		2200	22.0	2.28	6.73	4.91	0.96	39.0	
0707	32.09		2800	21.9	2.29	6.73	4.26	1.00	28.6	
0710	32.09		3400	21.9	2.29	6.73	4.42	1.05	23.3	
0713	32.09		4000	21.9	2.29	6.73	4.37	1.06	20.3	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0714	BF-15_20170913

Notes: BF-15_20170913_FD(G) 0714

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-16		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-11-17
Installed Well Depth (ft):	130.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	103	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	124	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	45.56	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	113.5'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1519	45.40	200	600	23.5	0.97	6.86	5.11	3.75	18.9	clear
1522	45.40		1200	23.2	1.30	6.59	4.98	1.62	17.4	
1525	45.40		1800	23.3	1.34	6.49	4.75	1.30	13.8	
1528	45.40		2400	23.4	1.34	6.34	4.66	1.19	12.3	
1531	45.40		3000	23.2	1.34	6.39	4.70	1.23	12.0	
1534	45.40		3600	23.2	1.33	6.39	4.63	1.24	10.8	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1535	BF-16_20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-17		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-11-17
Installed Well Depth (ft):	124.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	100	**WQ Meter Model~~and ID~~:**	**Project Number:** F205d
Bottom of Screen:	120	YSI Pro	**Client Name:** Montrose / demaximis
Depth to Water (ft):	33.46	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 V	**CPM:** ~~NA~~ **R:** ~~D: 1~~	**Sampled By:** E. Wilmberg
Pump Set Depth (ft):	110'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1234	33.61	200	600	22.9	1.47	7.04	1.73	4.47	32.1	
1237	33.63	↓	1200	23.0	1.52	6.99	1.65	1.68	23.1	
1240	33.63		1800	22.9	1.52	7.02	1.54	1.13	12.9	
1243	33.63		2400	22.7	1.52	7.06	1.50	1.06	9.1	
1246	33.63		3000	22.8	1.52	7.10	1.47	1.01	4.1	
1249	33.63		3600	22.8	1.52	7.11	1.51	1.00	3.0	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1250	BF-17-20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-19		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-12-17
Installed Well Depth (ft):	135.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	128	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	133	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	49.15	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E.Holmberg
Pump Set Depth (ft): 130.5'		**Weather Conditions:** Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1029	49.15	200	600	24.2	0.215	7.39	6.05	2.73	18.4	clear
1032	49.17	↓	1200	24.1	0.211	7.45	7.46	1.18	4.8	↓
1035	49.17		1800	23.9	0.208	7.50	7.24	1.17	-9.6	
1038	49.17		2400	23.8	0.209	7.57	7.17	1.32	-19.0	
1041	49.17		3000	23.7	0.210	7.60	7.10	1.39	-20.7	
1044	49.17	↓	3600	23.7	0.211	7.62	7.13	1.40	-21.4	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1045	BF-19-20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-21		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/11/17
Installed Well Depth (ft):	123.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	96	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	121	YSI Pro Plus 16F100A17	**Client Name:** Montrose / demaximis
Depth to Water (ft):	48.80	45psi Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** RL
Pump Set Depth (ft): 108.5		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1130	48.58	200	1000	24.1	1.20	7.41	3.18	1.68	-194.2	clear
1133	48.64	〃	1600	24.3	1.21	7.41	3.09	2.04	-182.1	↓
1136	48.72	100	1900	25.7	1.20	7.40	3.42	1.82	-175.8	↓
1139	48.72	〃	2200	26.5	1.21	7.40	3.13	1.80	-168.7	↓
1142	48.72	〃	2500	26.7	1.21	7.40	3.20	1.85	-167.1	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1142	BF-21_20170911 ~~BF-21_091117~~ RL

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-22		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/11/17
Installed Well Depth (ft):	120.00 ✓	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	87	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	117	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	44.44	90psi Control Box Settings	**Client Project Number:** N/A
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** RL
Pump Set Depth (ft): 102		**Weather Conditions:** Clear	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1309	44.23	200	1000	24.1	0.74	7.72	8.15	1.02	-137.5	clear
1312	44.23		1600	23.9	0.79	7.75	16.7	0.77	-176.5	
1315	44.23		2200	23.7	0.80	7.75	22.1	0.93	-186.1	
1318	44.23		2800	23.6	0.80	7.76	21.0	1.00	-181.2	
1321	44.23		3400	23.6	0.80	7.76	21.2	0.98	-177.7	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1322	~~BF-22-20170911~~ ~~BF-22-041117~~ RL

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-23		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	120.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	101	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	116	XSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	35.32	110psi Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 10.5 **D:** 4.3	**Sampled By:** RC
Pump Set Depth (ft): 108.5		**Weather Conditions:** Clear	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1326	35.36	100	1000	27.8	1.24	8.14	13.5 ~~3.44~~	2.30	-122.8	Clear
1329	35.36		1300	27.7	1.22	8.16	5.13	1.69	-147.0	
1332	35.36		1600	27.6	1.19	8.15	4.99	1.28	-175.1	
1335	35.36		1900	27.6	1.18	8.14	4.61	1.21	-179.8	
1338	35.36		2200	27.5	1.18	8.13	3.98	1.23	-182.3	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1338	BF-23_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-24		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-11-17
Installed Well Depth (ft):	122.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	96	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	121	YSI 980	**Client Name:** Montrose / demaximis
Depth to Water (ft):	41.20	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	108.5	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
926	41.10	200	600	23.0	1.28	7.57	2.72	4.31	13.9	clear.
929	41.10	↓	1200	22.6	1.66	7.47	1.90	2.32	-102.8	↓
932	41.10		1800	22.5	1.77	7.50	1.85	1.69	-149.5	
935	41.10		2400	22.5	1.78	7.49	1.80	1.36	-173.8	
938	41.10		3000	22.5	1.78	7.49	1.77	1.33	-179.9	
941	41.10		3600	22.5	1.78	7.49	1.80	1.31	-181.3	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	945	BF-24_20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-25		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	115.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	94	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	104	YSI Pro Plus 16F100147	**Client Name:** Montrose / demaximis
Depth to Water (ft):	34.91	90%; **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 8.5 **D:** 6.5	**Sampled By:** RC
Pump Set Depth (ft): 99		**Weather Conditions:**	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1358	34.87	200	1000	23.7	1.35	7.62	4.15	0.32	-240.0	odor
1401	34.87		1600	23.5	1.39	7.65	4.82	0.25	-279.5	
1404	34.87		2200	23.5	1.40	7.67	4.01	0.22	-300.9	
1407	34.87		2800	23.5	1.40	7.69	3.76	0.20	-304.8	
1410	34.87		3400	23.5	1.41	7.70	3.84	0.21	-306.4	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1410	BF-25_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-26		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	110.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	90	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	105	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	47.00	100ps; **Control Box Settings**	**Client Project Number:** Na
Well Casing Diameter (in):	4	CPM: 4 R: 7.5 D: 7.5	**Sampled By:** RL
Pump Set Depth (ft): 97.5		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1047	46.98	200	1000	24.4	1.54	7.23	8.61	0.75	-165.1	clear
1050	46.98	↓	1600	24.1	1.61	7.21	6.63	0.53	-208.2	↓
1053	46.98		2200	24.1	1.64	7.19	5.12	0.48	-221.3	
1056	46.98		2800	24.1	1.65	7.19	3.88	0.46	-228.2	
1059	46.98	→	3400	24.0	1.63	7.18	3.91	0.45	-230.6	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1100	BF-26_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-27		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	122.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	101	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	121	16F100197 YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	35.25	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 9.5 **D:** 5.5	**Sampled By:** TC
Pump Set Depth (ft): 111		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1330	35.13	200	1000	23.0	2.08	7.38	4.13	0.51	-154.1	clear
1333	35.13		1600	23.0	2.09	7.40	2.81	0.38	-186.7	
1336	35.13		2200	22.9	2.09	7.41	3.15	0.30	-210.0	
1339	35.13		2800	22.9	2.08	7.42	3.51	0.29	-216.7	
1342	35.13		3400	22.8	2.09	7.42	3.44	0.28	-219.1	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1342	BF-27_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-28		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	115.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	95	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	110	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	45.10	80% **Control Box Settings**	**Client Project Number:** N9
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** JRC
Pump Set Depth (ft): 102.5		**Weather Conditions:**	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1426	44.95	200	1000	23.1	1.98	7.42	7.13	0.71	-229.4	clear
1429	44.95		1600	22.9	2.06	7.43	4.70	0.51	-248.6	
1432	44.95		2200	22.8	2.07	7.43	4.16	0.43	-256.9	
1435	44.95		2800	22.9	2.07	7.43	3.22	0.40	-267.5	
1438	44.95		3400	22.9	2.08	7.44	3.51	0.35	-270.0	
1441	44.95		4000	22.9	2.08	7.47	3.47	0.33	-276.1	
1444	44.95		4600	22.8	2.07	7.48	3.39	0.32	-277.8	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1442	BF-28_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-29		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/11/17
Installed Well Depth (ft):	126.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	100	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	120	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	48.96	75psi Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** RC
Pump Set Depth (ft): 110		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0934	48.45	200	1000	23.0	0.87	7.84	5.48	4.15	-151.3	clear
0937	48.45		1600	23.1	0.91	7.81	4.92	3.96	-148.0	
0940	48.45		2200	23.1	0.91	7.81	6.88	4.68	-137.4	
0943	48.45		2800	23.0	0.91	7.82	6.36	5.24	-127.7	
0946	48.45		3400	23.2	0.91	7.82	5.90	5.20	-121.5	
0949	48.45		4000	23.2	0.91	7.83	4.37	5.31	-119.1	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°c	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0950	~~BF-29 091117~~ BF-29-20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-30		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/11/17
Installed Well Depth (ft):	120.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	82	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	113	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	34.65	65psi Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 10.5 **D:** 4.5	**Sampled By:** RC
Pump Set Depth (ft): 97.5		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1205	34.44	200	1000	24.8	0.75	7.73	3.19	0.93	-180.4	NA clear
1208	34.45	|	1600	24.9	0.76	7.75	2.97	1.29	-189.8	|
1211	34.45	|	2200	24.7	0.77	7.76	2.73	1.57	-191.2	|
1214	34.45	|	2800	25.3	0.77	7.77	2.59	1.62	-190.3	|
1217	34.45	|	3400	25.1	0.77	7.78	2.58	1.64	-184.7	|

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1218	BF-30_20170911 ~~BF-30_091117~~ RC

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-31		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/11/17
Installed Well Depth (ft):	135.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	105	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	135	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	46.55	80psi **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9.5 **D:** 5.5	**Sampled By:** RC
Pump Set Depth (ft): 120		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0857	46.48	200	1000	23.7	1.03	8.38	5.64	1.12	-95.7	odor
0900	46.48		1600	23.4	1.18	8.93	7.64	0.55	-134.2	
0903	46.48		2200	23.0	1.19	9.01	2.96	0.47	-163.4	
0906	46.48		3000	23.0	1.20	9.01	2.78	0.39	-166.2	
0909	46.48		3600	22.9	1.20	8.99	2.61	0.38	-171.2	
0912	46.48		4000	22.9	1.21	8.97	2.70	0.38	-173.0	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0912	RC ~~BF-31_09~~ BF-31-20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-32A		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	120.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	65	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	115	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	59.10	50psi Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** RC
Pump Set Depth (ft): 90		**Weather Conditions:** Clear	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1245	58.20	200	1000	23.7	2.39	7.19	>1000	2.13	-155.5	brown/orange tint
1248	58.20		1600	23.5	2.41	7.19	240	2.07	-166.0	
1251	58.20		2200	23.6	2.42	7.17	210	1.91	-167.6	
1254	58.20		2800	23.5	2.42	7.15	160	1.89	-154.8	
1257	58.20		3400	23.5	2.42	7.14	110	1.90	-157.6	
1300	58.20		4000	23.6	2.42	7.14	86.3	1.87	-163.1	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1300	BF-32A_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-33		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	101.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	60	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	100	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	44.65	60psi Control Box Settings	**Client Project Number:** N4
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** RL
Pump Set Depth (ft): 80		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1150	44.54	200	1000	23.2	1.85	7.02	5.71	0.73	-139.1	clear
1153	44.54		1600	23.1	1.88	7.03	4.78	0.62	-159.5	
1156	44.54		2200	23.1	1.88	7.05	4.54	0.64	-178.2	
1159	44.54		2800	23.3	1.88	7.06	4.21	0.65	-180.3	
1202	44.54		3400	23.2	1.88	7.06	4.47	0.62	-184.7	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1202	BF-33_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-35		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	126.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	106	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	126	YSI Pro Plus 16F100147	**Client Name:** Montrose / demaximis
Depth to Water (ft):	59.04	**70ps Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	2 ✓	**CPM:** 4 **R:** 10.5 **D:** 4.5	**Sampled By:** RC
Pump Set Depth (ft):	116	**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1300	58.72	200	1000	23.9	1.00	7.48	7.53	2.03	-103.8	clear
1303	58.72		1600	23.8	1.02	7.50	4.31	2.58	-95.2	
1306	58.72		2200	23.8	1.02	7.50	4.95	2.77	-89.3	
1309	58.72		2800	23.8	1.02	7.50	3.61	2.80	-84.1	
1312	58.72		3400	23.8	1.02	7.50	3.82	2.79	-80.6	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1312	BF-35_20170914

Notes: BF-35_20170914_FD @ 1312

✓ = Confirmed

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: BF-36		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	126.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	111	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	126	YSI Pro Plus 16F100A7	**Client Name:** Montrose / demaximis
Depth to Water (ft):	46.78	60psi Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 4 **D:** 6	**Sampled By:** RL
Pump Set Depth (ft): 118.5		**Weather Conditions:** Overcast	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0820	46.83	200	1000	22.3	0.68	7.59	5.13	1.23	-40.6	clear
0823	46.98	1	1600	22.1	0.73	7.65	4.19	0.74	-44.9	
0826	46.92	100	1900	22.5	0.74	7.66	3.91	0.59	-53.3	
0829	46.92	1	2200	22.6	0.74	7.66	3.23	0.57	-58.4	
0832	46.92	1	2500	22.7	0.74	7.66	2.99	0.55	-61.9	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0852	BF-36-20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-01		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	164.50	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	141	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	161	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	55.90	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 5 **D:** 10	**Sampled By:** A. GRABOW
Pump Set Depth (ft):	151'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (~~mS/cm~~ uS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1306	55.90	200	1000	24.8	724	8.23	15	3.51	-12.7	CLEAR / NONE
1309	55.90	↓	1600	24.3	728	8.14	14	3.35	-18.8	↓
1312	55.90		2200	24.3	728	8.08	14	2.68	-24.1	
1315	55.90		2800	24.3	728	8.08	14	1.97	-24.8	
1318	55.90		3400	24.2	730	8.07	14	1.95	-26.3	
1321	55.90	↓	4000	24.1	728	8.08	14	1.93	-29.1	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1322	G-01_20170914

Notes: ✓ = CONFIRMED
PHOTO TAKEN OF GROUP WELL

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-02		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	180.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	155	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	176	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	53.05	**Control Box Settings**	**Client Project Number:** N9
Well Casing Diameter (in):	4	**CPM:** R: 11 D: 9	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	165.5'	**Weather Conditions:** Pt. Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1120	53.08	300	900	24.1	0.379	10.45	3.55	1.94	91.1	Clear
1123	53.35	↓	1800	24.1	0.370	10.64	3.26	1.21	90.9	↓
1126	53.60	↓	2700	24.1	0.377	10.65	3.19	1.75	88.6	↓
1129	53.63	200	3300	24.2	0379	10.65	3.22	1.86	88.1	↓
1132	53.63	↓	3900	24.2	0.379	10.65	3.16	1.83	88.3	↓
1135	53.63	↓	4500	24.2	0.380	10.65	3.11	1.80	88.5	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1140	G-02_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-03		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	170.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	146	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	166	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	58.95	**Control Box Settings**	**Client Project Number:** N4
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 11 **D:** 9	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	151'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1458	59.04	300	900	24.6	0.71	7.88	3.45	2.02	-70.9	clear
1501	59.04		1800	24.4	0.75	7.60	3.21	1.39	-76.9	
1504	59.04		2700	24.3	0.75	7.49	3.07	1.21	-77.8	
1507	59.04		3600	24.3	0.74	7.65	2.99	1.31	-76.9	
1510	59.04		4500	24.2	0.74	7.63	2.95	1.36	-75.2	
1513	59.04	✓	5400	24.2	0.74	7.61	2.90	1.38	-76.1	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1515	G-03_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-04		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-12-17
Installed Well Depth (ft):	195.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	154	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	194	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	48.28	**Control Box Settings**	**Client Project Number:** N4
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 11.0 **D:** 9.0	**Sampled By:** E. Wilmberg
Pump Set Depth (ft):	174'	**Weather Conditions:** Pt. Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1523	50.00	200	600	24.4	0.53	7.15	1.00	5.01	89.9	clear
1526	50.00		1200	24.1	0.55	7.18	0.94	2.50	83.5	
1529	50.00		1800	23.8	0.57	7.24	1.02	1.61	65.2	
1532	50.00		2400	23.8	0.56	7.43	1.04	1.00	20.1	
1535	50.00		3000	23.8	0.55	7.46	1.06	0.96	16.0	
1538	50.00	✓	3600	23.8	0.54	7.48	1.01	0.93	11.9	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1540	G-04.20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-05		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	~~194.00~~ 189.95	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	151	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	190	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	51.61	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 7.5 **D:** 7.5	**Sampled By:** A. GRABOW
Pump Set Depth (ft):	170'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. uS/cm (~~mS/cm~~)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
929	51.70	200	1000	22.4	525	7.66	15	2.03	-74.1	Clear / Product Smell
932	51.70		1600	22.6	590	7.74	14	1.97	-59.1	
935	51.70		2200	22.6	605	7.77	14	1.87	-53.9	
938	51.70		2800	23.3	622	7.84	14	1.57	-49.9	
941	51.70		3400	23.3	622	7.84	14	1.48	-50.1	
944	51.70		4000	23.4	624	7.84	14	1.12	-50.7	
947	51.70		4600	23.4	625	7.85	14	1.13	-51.3	
950	51.70		5200	23.5	627	7.85	14	1.13	-52.7	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	952	G-05_20170914

Notes: MS/MSD

✓= CONFIRMED

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JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-08		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	181.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	140	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	180	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	33.04	100%: Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9 **D:** 6	**Sampled By:** BC
Pump Set Depth (ft): 160		**Weather Conditions:**	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0739	33.07	200	1000	22.1	0.469	7.88	5.13	1.06	-25.8	clear
0742	33.07		1600	22.0	0.498	7.93	4.79	0.78	-40.9	
0745	33.07		2200	22.0	0.499	7.94	4.52	0.80	-53.4	
0748	33.07		2800	22.0	0.499	7.94	5.28	0.80	-60.4	
0751	33.07		3400	22.0	0.498	7.94	5.13	0.79	-61.8	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0752	G-08_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-09		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	213.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	171	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	213	XSI Pro Plus/16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	40.03	110pc **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9.5 **D:** 5.5	**Sampled By:** RC
Pump Set Depth (ft): 192		**Weather Conditions:** Clear	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1439	39.44	200	1000	22.1	0.66	8.09	4.78	1.07	-175.7	odor
1442	39.44		1600	22.3	0.67	8.10	4.10	0.81	-196.9	
1445	39.44		2200	22.4	0.66	8.09	3.98	0.68	-211.2	
1448	39.44		2800	22.5	0.67	8.09	3.61	0.70	-216.3	
1451	39.44		3400	22.4	0.67	8.09	3.70	0.67	-220.8	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1452	G-09_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-12		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	198.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	158	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	198	YSI Pro Plus 16H00197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	36.85	150psi Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 9 **D:** 6	**Sampled By:** RC
Pump Set Depth (ft): 178		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0900	36.85	200	1000	22.6	6.58	7.77	4.05	1.20	33.4	clear
0903	36.85		1600	22.4	1.17	7.59	2.27	0.89	8.7	
0906	36.85		2200	22.2	1.25	7.60	2.35	0.61	-6.3	
0909	36.85		2800	22.2	1.28	7.61	2.15	0.45	-28.6	
0912	36.85		3400	22.3	1.29	7.61	2.21	0.43	-30.9	
0915	36.85		4000	22.2	1.29	7.61	2.19	0.43	-36.9	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0915	G-12_20170914

Notes: G-12_20170914_FD (1) 0915

√ = confirmed

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-13		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft): ~~197.00~~ 194.48 RC		**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	157	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	197	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	46.92	110 VAC **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** RL
Pump Set Depth (ft): 177		**Weather Conditions:** Clear	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0733	46.97	200	1000	22.6	0.61	8.17	4.43	1.29	61.8	clear
0736	46.97		1600	22.6	0.65	7.93	2.64	0.91	53.9	
0739	46.97		2200	22.5	0.66	7.90	2.49	0.71	42.4	
0742	46.97		2800	22.5	0.67	7.90	2.63	0.72	35.0	
0745	46.97		3400	22.4	0.67	7.90	2.72	0.64	27.8	
0748	46.97		4000	22.4	0.67	7.90	2.86	0.64	19.2	
0751	46.97		4600	22.3	0.67	7.89	2.86	0.65	15.5	
0754	46.97		5200	22.3	0.67	7.90	2.78	0.67	13.2	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0754	G-13_20170914

Notes: J=confirmed

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JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-14		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-12-17
Installed Well Depth (ft):	196.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	155	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	195	YSI ProPlus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	50.50	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Nolmbey
Pump Set Depth (ft):	175'	**Weather Conditions:** Pt. cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1120	50.57	200	600	23.5	0.402	6.95	3.89	1.61	41.1	clear
1123	50.57	↓	1200	23.3	0.52	7.37	3.72	0.94	39.4	↓
1126	50.57		1800	23.1	0.55	7.67	3.42	0.81	37.2	
1129	50.57		2400	23.0	0.56	8.91	3.11	0.59	33.1	
1132	50.57	↓	3000	23.1	0.55	6.94	3.14	0.58	32.0	
1135	50.57		3600	23.0	0.55	6.96	3.09	0.57	31.4	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1140	G-14-20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-15		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-12-17
Installed Well Depth (ft):	184.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	142	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	182	YSI ProPlus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	59.95	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Hilmberg
Pump Set Depth (ft):	162'	**Weather Conditions:** Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
944	55.90	200	600	22.7	0.491	8.15	11.2	2.35	79.1	clear
947	55.90	↓	1200	22.7	0.52	8.01	11.0	1.17	58.4	↓
950	55.90		1800	22.7	0.52	8.03	11.1	1.13	44.1	
953	55.90		2400	22.8	0.51	8.06	11.2	1.20	39.3	
956	55.90		3000	22.7	0.51	8.06	11.0	1.21	35.9	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1000	G-15-20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-16		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	187.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	145	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	185	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	47.37	120ft Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 2.5 **D:** 2.5	**Sampled By:** RC
Pump Set Depth (ft): 165		**Weather Conditions:** Clear	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0824	47.40	200	1000	23.2	0.417	8.10	6.27	1.16	12.1	clear
0827	47.40	1	1600	23.2	0.450	8.16	7.91	1.04	6.0	1
0830	47.40		2200	23.2	0.466	8.23	11.7	1.10	-5.1	
0833	47.40		2800	23.2	0.463	8.24	11.2	1.07	-10.9	
0836	47.40		3400	23.2	0.468	8.25	10.9	1.12	-14.7	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0836	G-16_20170914

Notes: ✓ = confirmed

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-18		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-11-17
Installed Well Depth (ft):	202.00 ✓	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	161	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	201	YSI Pro	**Client Name:** Montrose / demaximis
Depth to Water (ft):	33.26	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** ~~NA~~ **R:** ~~——~~ **D:** ~~1~~	**Sampled By:** E. Nolmberg
Pump Set Depth (ft):	181'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1056	33.20	200	600	23.9	0.51	8.93	1.93	2.83	-22.7	Clear
1059	33.22		1200	23.8	0.52	8.94	1.84	1.64	-23.5	
1102	33.22		1800	23.6	0.52	9.38	1.14	1.15	-25.2	
1105	33.22		2400	23.6	0.52	9.17	1.27	1.05	-26.4	
1108	33.22		3000	23.5	0.52	9.22	1.20	0.99	-27.8	
1111	33.22		3600	23.5	0.52	9.23	1.18	0.97	-28.4	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1115	G-18-20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-19A		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-14-17
Installed Well Depth (ft):	~~0.00~~ 198.79	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	160	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	200	XSI Pro	**Client Name:** Montrose / demaximis
Depth to Water (ft):	46.39	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	0	**CPM:** ~~NA~~ **R:** ~~D:~~ 1	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	180'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1009	46.43	200	600	23.5	0.482	7.74	2.67	3.15	-51.2	Clear
1012	46.53		1200	22.9	0.57	7.95	2.74	1.59	-53.3	
1015	46.55		1800	22.8	0.58	7.96	2.70	1.41	-54.3	
1018	46.55		2400	22.8	0.58	7.97	2.80	1.23	-55.5	
1021	46.55		3000	22.8	0.58	7.97	2.73	1.20	-56.4	
1024	46.55		3600	22.8	0.58	7.97	2.89	1.18	-57.0	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1025	G-19A 20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-21		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9.12.17
Installed Well Depth (ft):	~~167.~~ ~~0.00~~ 167.85'	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	149	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	169	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	57.35	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	~~4~~ 2"	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Hilmberg
Pump Set Depth (ft):	159'	**Weather Conditions:** Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
848	57.31	200	600	22.6	0.224	7.20	6.80	2.79	63.8	clear
851	57.31	↓	1200	22.6	0.58	7.42	10.2	3.24	60.8	↓
854	57.31	↓	1800	22.6	0.69	7.66	10.1	4.17	58.2	↓
857	57.31	↓	2400	22.5	0.69	7.68	10.2	4.02	55.3	↓
900	57.31	↓	3000	22.5	0.69	7.68	9.9	3.97	55.0	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	905	G-21_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-23		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-11-17
Installed Well Depth (ft):	178.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	148	**WQ Meter Model ~~and ID~~:**	**Project Number:** F205d
Bottom of Screen:	178	XSL Pro	**Client Name:** Montrose / demaximis
Depth to Water (ft):	45.85	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** ~~NA~~ **R:** ~~D:~~	**Sampled By:** E. Holmsey
Pump Set Depth (ft): 163		**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1312	46.00	200	600	23.5	0.363	8.43	2.12	2.41	-19.8	clear
1315	46.00	|	1200	23.4	0.364	8.53	2.03	1.53	-32.0	|
1318	4600	|	1800	23.2	0.364	8.53	1.98	1.19	-42.9	|
1321	46.00	|	2400	23.1	0.365	8.56	1.77	1.11	-49.1	|
1324	46.00	⊥	3000	23.1	0.365	8.57	1.83	1.11	-50.3	⊥

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1325	G-23-20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-24		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/11/17
Installed Well Depth (ft):	178.30 ✓	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	138	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	178	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	50.35 ✓	100%) **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 8.5 **D:** 6.5	**Sampled By:** RL
Pump Set Depth (ft): 158		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1100	50.27	200	1000	24.3	0.79	8.39	4.42	1.09	-234.8	odor
1103	50.27	"	1600	24.0	1.01	8.13	4.24	0.94	-256.3	"
1106	50.27	"	2400	23.9	1.12	7.99	3.88	0.63	-268.9	"
1109	50.27	"	2800	23.9	1.15	7.95	3.72	0.52	-274.4	"
1112	50.27	"	3400	23.9	1.15	7.92	3.64	0.50	-278.7	"
1115	50.27	"	4000	23.9	1.16	7.91	3.55	0.51	-277.7	"

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1115	G-24-20170911 ~~G-24-091117~~ RL

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-25		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	164.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	124	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	164	YSI Pro Plus/16F100497	**Client Name:** Montrose / demaximis
Depth to Water (ft):	54.91	110psi Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** RC
Pump Set Depth (ft): 144		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1205	54.84	200	1000	23.4	1.27	7.41	5.40	1.50	-71.7	clear ✓
1208	54.84	1	1600	23.2	1.32	7.48	4.27	1.56	-81.1	|
1211	54.84	|	2200	23.1	1.33	7.51	3.22	1.34	-93.5	|
1214	54.84	|	2800	23.1	1.33	7.53	3.43	1.36	-101.7	|
1217	54.84	|	3400	23.1	1.33	7.55	3.31	1.41	-106.5	|
1220	54.84	—	4000	23.2	1.32	7.55	3.28	1.42	-108.8	—

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved) x3	HCL; 4°c	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1220	G-25_20170914

Notes: MS/MSD ✓=confirmed

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-26		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/11/17
Installed Well Depth (ft):	172.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	132	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	172	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	45.20	90psi; **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10.5 **D:** 4.5	**Sampled By:** RL
Pump Set Depth (ft): 152		**Weather Conditions:** Clear	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1012	45.23	200	1000	23.2	0.71	7.39	5.23	0.92	-151.4	clear
1015	45.28	1	1600	23.2	0.95	8.02	4.15	0.57	-205.1	
1018	45.24	100	1900	23.9	0.97	8.03	4.37	0.51	-233.6	
1021	45.23	|	2200	23.7	0.99	8.05	4.20	0.47	-252.9	
1024	45.23	|	2500	23.7	0.99	8.05	3.91	0.46	-254.3	
1027	45.23	|	2800	23.7	0.99	8.06	3.86	0.45	-256.1	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1028	~~G-26_091117~~ G-26-20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-27		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/11/17
Installed Well Depth (ft):	164.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	124	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	164	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	35.17	85psi **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** RC
Pump Set Depth (ft): 144		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1239	35.08	200	1000	25.2	0.70	7.85	3.43	0.68	-186.7	odor
1242	35.08		1600	25.0	0.71	7.90	3.61	0.64	-223.7	
1245	35.08		2200	24.8	0.72	7.92	3.51	0.63	-234.8	
1248	35.08		2800	24.8	0.72	7.92	3.33	0.67	-227.9	
1251	35.08		3400	24.7	0.72	7.92	3.43	0.68	-225.1	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1252	G-27-20170911 ~~G-27-091117~~

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-28		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	188.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	148	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	188	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	47.62	100psi **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 8.5 **D:** 6.5	**Sampled By:** RC
Pump Set Depth (ft): 168		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1015	47.58	200	1000	23.1	0.69	7.65	6.21	0.98	-132.5	clear
1018	47.58		1600	23.2	0.81	7.73	4.82	0.73	-147.6	
1021	47.58		2200	23.2	0.86	7.79	5.27	0.55	-174.6	
1024	47.58		2800	23.1	0.87	7.82	4.29	0.45	-199.7	
1027	47.58		3400	23.1	0.87	7.82	4.81	0.42	-220.1	
1030	47.58		4000	23.1	0.87	7.82	4.55	0.40	-224.2	
1033	47.58		4600	23.0	0.87	7.82	4.37	0.39	-222.6	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1034	G-28_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-29		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	197.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	157	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	197	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	48.67	10% Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 2 **R:** 16 **D:** 14	**Sampled By:** RC
Pump Set Depth (ft): 177		**Weather Conditions:** Overcast	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0937	48.53	200	1000	23.1	0.94	7.62	5.13	1.07	-55.6	clear
0940	48.53	|	1600	23.0	0.93	7.63	4.71	0.63	-72.7	|
0943	48.53	|	2200	22.8	0.93	7.65	4.04	0.45	-97.3	|
0946	48.53	|	2800	22.9	0.93	7.67	4.35	0.34	-127.1	|
0949	48.53	|	3400	22.8	0.93	7.68	3.89	0.32	-131.3	|
0952	48.53	—	4000	22.7	0.93	7.68	4.13	0.31	-135.0	—

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0952	G-29_20170912

Notes: EB_20170912-01 @ 1000

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-30		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/11/17
Installed Well Depth (ft):	165.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	135	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	165	YSI ProPlus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	53.72	**Control Box Settings:** 90psi	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9 **D:** 6	**Sampled By:** RC
Pump Set Depth (ft): 150		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0807	53.68	200	600	~~23.3~~	0.67	6.98	4.96	2.17	128.9	clear
0810	53.68	↓	1200	22.7	0.99	7.28	4.80	1.27	90.2	↓
0813	53.68		1800	22.6	1.08	7.35	3.98	0.80	34.6	
0816	53.68		2400	22.6	1.09	7.36	3.73	0.65	-11.2	
0819	53.68		3000	22.4	1.09	7.37	3.97	0.59	-42.6	
0822	53.68		3600	22.5	1.10	7.37	3.84	0.57	-48.1	
0825	53.68	↓	4200	22.5	1.10	7.37	3.80	0.56	-51.1	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°c	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0825	~~G-30-091117~~ RC G-30-20170911

Notes: ~~RC EB_091117~~ @ 0835
~~EB_20170911-0~~(

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-31		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	175.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	145	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	175	YSI Pro Plus 16H100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	51.95	100ps **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9 **D:** 6	**Sampled By:** RC
Pump Set Depth (ft): 160		**Weather Conditions:** Overcast	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0745	51.94	200	1000	21.7	0.72	7.58	>1000	1.38	21.8	Brown
0748	51.94		1600	21.6	0.84	7.61	>1000	0.81	15.1	Cloudy
0751	51.94		2200	21.6	0.87	7.63	28.4	0.61	4.5	clearing
0754	51.94		2800	21.6	0.87	7.63	14.6	0.53	-4.5	"
0757	51.94		3400	21.7	0.87	7.63	9.86	0.50	-9.3	clear
0800	51.94		4000	21.7	0.87	7.63	6.13	0.49	-12.3	"

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0800	G-31_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-32		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	190.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	160	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	190	YSI Pro Plus 16H100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	48.52	100psi **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 2 **R:** 18 **D:** 12	**Sampled By:** RC
Pump Set Depth (ft): 175		**Weather Conditions:** Overcast	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0700	48.57	200	1000	22.6	0.445	7.56	2.28	1.69	102.1	clear
0703	48.57		1600	22.5	0.521	7.79	2.19	1.10	81.8	
0706	48.57		2200	22.6	0.53	7.82	2.63	0.93	71.0	
0709	48.57		2800	22.4	0.53	7.85	2.15	0.82	61.0	
0712	48.57		3400	22.4	0.53	7.87	1.97	0.79	57.7	
0715	48.57		4000	22.4	0.53	7.88	1.89	0.74	55.0	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0715	G-32_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-33		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	173.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	143	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	173	YSI Pro Plus 16F100A7	**Client Name:** Montrose / demaximis
Depth to Water (ft):	58.74	90psi **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 9.5 **D:** 5.5	**Sampled By:** FC
Pump Set Depth (ft): 158		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1214	58.58	200	1000	23.5	0.54	7.69	6.77	1.10	-175.8	~~clear~~ clear
1217	58.58	↓	1600	23.4	0.56	7.74	6.23	0.98	-194.0	↓
1220	58.58		2200	23.3	0.57	7.76	5.65	1.05	-213.2	
1223	58.58		2800	23.1	0.58	7.77	5.02	1.02	-221.3	
1226	58.58		3400	23.1	0.58	7.77	4.86	1.05	-224.1	
1229	58.58	↓	4000	23.1	0.58	7.77	4.69	1.09	-226.0	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1250	G-33_20170913

Notes: G-33_20170913_FD(G) 1250

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-34		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	187.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	147	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	187	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	51.50	100ps Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9.5 **D:** 5.5	**Sampled By:** RC
Pump Set Depth (ft): 167		**Weather Conditions:** Overcast	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0900	51.52	200	1000	23.2	0.66	7.74	4.91	1.29	-44.9	clear
0903	51.52		1600	23.1	0.66	7.78	4.21	0.87	-49.1	
0906	51.52		2200	23.0	0.67	7.80	4.53	0.64	-56.8	
0909	51.52		2800	23.1	0.67	7.81	4.13	0.57	-62.8	
0912	51.52		3400	23.0	0.67	7.81	3.88	0.55	-67.8	
0915	51.52		4000	23.1	0.67	7.81	3.51	0.54	-69.9	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0915	G-34.20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-35		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	190.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	150	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	190	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	43.27	10psi; **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9.5 **D:** 5.5	**Sampled By:** RC
Pump Set Depth (ft): 170		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0642	43.23	200	1000	22.7	1.50	7.15	6.07	1.36	108.4	clear
0645	43.23		1600	22.6	1.34	7.15	6.49	0.94	96.7	
0648	43.23		2200	22.5	1.35	7.15	6.36	0.82	91.4	
0651	43.23		2800	22.5	1.35	7.15	6.43	0.72	85.8	
0654	43.23		3400	22.4	1.35	7.15	6.29	0.68	82.5	
0657	43.23		4000	22.4	1.35	7.15	6.15	0.67	81.6	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved) x3	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0658	G-35_20170914

Notes: MS/MSD EB_20170914_01 @0710

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: G-OW-3		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	155.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	145	**WQ Meter Model and ID:** YSI Pro Plus 16F100197	**Project Number:** F205d
Bottom of Screen:	155	**Pump Control Box Settings**	**Client Name:** Montrose / demaximis
Depth to Water (ft):	40.51	**CPM:** 4 **R:** 10 **D:** 5	**Client Project Number:** NA
Well Casing Diameter (in):	2 ✓		**Sampled By:** RL
Pump Set Depth (ft): 150		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1118	40.68	200	1000	23.0	0.55	7.87	4.65	0.71	-86.3	clear
1121	40.75	↑	1600	22.9	0.56	7.89	4.23	0.61	-89.1	↓
1124	40.75	100	1900	22.9	0.57	7.90	3.98	0.55	-95.2	
1127	40.53	↓	2200	23.5	0.58	7.87	2.86	0.58	-99.5	
1130	40.53		2500	23.6	0.59	7.86	2.31	0.57	-102.3	
1133	40.53		2800	23.6	0.60	7.86	2.40	0.56	-103.4	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1132	G-OW-3_20170914

Notes: ✓ = confirmed

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: LG-01		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	211.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	189	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	209	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	52.67	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** R: 9 D: 6	**Sampled By:** E. Walmberg
Pump Set Depth (ft):	199'	**Weather Conditions:** Pt. Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1203	52.63	200	600	24.2	0.358	8.11	6.28	1.51	93.0	Clear
1206	52.88	↓	1200	24.3	0.358	8.15	6.07	1.10	89.2	↓
1209	53.02	↓	1800	24.3	0.358	8.14	5.89	1.02	87.2	↓
1212	53.10	100	2400	24.3	0.357	8.13	5.80	0.98	84.7	↓
1215	53.10	↓	2700	24.4	0.357	8.14	5.78	0.95	83.9	↓
1218	53.10	↓	3000	24.6	0.357	8.14	5.67	0.94	83.7	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1220	LG-01_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: LG-02		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	207.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	185	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	205	YSI PRO PLUS	**Client Name:** Montrose / demaximis
Depth to Water (ft):	54.02	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 7.5 **D:** 7.5	**Sampled By:** ANDREW GRAIGEN
Pump Set Depth (ft): 195		**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. ~~(mS/cm)~~ µS/cm	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
828	54.13	200	1000	24.0	720	8.08	23	2.44	-11.8	BUBBLES IN THE WELL PRODUCT
831	54.15		1600	24.0	713	8.09	22	2.46	-21.9	WATER CLEAR
834	54.15		2200	24.2	711	8.09	22	2.36	-31.8	
837	54.15		2800	23.9	710	8.08	21	2.19	-37.6	
840	54.15		3400	23.9	709	8.08	21	1.85	-41.6	
843	54.15		4000	23.8	708	8.07	21	1.54	-42.5	
846	54.15		4600	23.9	708	8.06	21	0.87	-51.0	
849	54.15		5200	24.0	708	8.06	21	0.87	-54.9	
852	54.15		5800	24.0	708	8.06	21	0.86	-56.4	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0855	LG-02 20170914

Notes: EB_20170914O3 @ 1100

✓ = CONFIRMED

PHOTO TAKEN OF GROUP WELL

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: LW-01		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-14-17
Installed Well Depth (ft):	251.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	230	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	250	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	64.29	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 2 **R:** 17 **D:** 13	**Sampled By:** E. Wolmberg
Pump Set Depth (ft): 240'		**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
803	64.48	100	300	23.1	0.464	8.36	10.67	3.09	102.7	clear
806	64.48	↓	600	24.2	0.431	8.42	9.88	2.35	101.8	↓
809	64.48	↓	900	24.0	0.423	8.50	9.73	1.77	101.2	↓
811	64.48	↓	1200	24.0	0.420	8.59	9.79	2.06	100.1	↓
814	64.48	↓	1500	23.9	0.420	8.61	9.70	1.99	99.6	↓
817	64.49	↓	1800	23.9	0.420	8.62	9.61	1.85	99.0	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	820	LW-01_20170914

Notes: ✓= confirmed photo taken

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: LW-02		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-14-17
Installed Well Depth (ft):	253.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	232	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	252	YSI Pro Plus 0219	**Client Name:** Montrose / demaximis
Depth to Water (ft):	59.68	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 2 **R:** 18 **D:** 12	**Sampled By:** E. Wolmberg
Pump Set Depth (ft): 242		**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
954	59.69	200	600	22.7	0.436	9.93	1.37	1.32	-26.1	clear
957			1200	22.6	0.434	9.95	1.29	0.86	-44.0	
1000			1800	22.6	0.434	10.02	1.56	0.69	-56.2	
1003			2400	22.6	0.434	10.01	1.44	0.60	-65.3	
1006			3000	22.6	0.434	10.01	1.50	0.57	-69.8	
1009			3600	22.6	0.434	10.00	1.56	0.56	-72.5	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1010	LW-02_20170914

Notes: V = confirmation photo taken

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: LW-03		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-12-17
Installed Well Depth (ft):	261.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	238	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	259	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	59.87	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Hollenberg
Pump Set Depth (ft): 248.5'		**Weather Conditions:** Rt. Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1241	59.80	100	300	31.8	0.156	7.11	10.2	4.32	40.5	clear
1244	59.80		600	31.7	0.158	7.13	10.3	4.77	42.5	
1247	59.80		900	30.5	0.154	7.32	10.0	4.89	44.0	
1250	59.80		1200	30.4	0.133	7.30	9.74	4.71	25.0	
1253	59.80		1500	30.0	0.097	7.07	9.36	2.50	22.3	
1256	59.80		1800	30.1	0.096	7.06	9.33	2.45	21.0	
1259	59.80		2100	30.0	0.096	7.04	9.46	2.40	19.1	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1300	LW-03_20170912

Notes:

JHA ENVIRONMENTAL

Gate Comp 6010

GROUNDWATER SAMPLING FORM

Well ID #: LW-04		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-14-17
Installed Well Depth (ft):	246.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	225	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	245	YSI Pro Plus 0219	**Client Name:** Montrose / demaximis
Depth to Water (ft):	62.11	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 2 **R:** 17 **D:** 13	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	235'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1030	62.18	200	600	23.2	0.421	9.90	2.44	1.46	-38.6	clear
1033	62.18		1200	23.1	0.420	9.84	2.40	1.33	-40.9	
1036	62.18		1800	23.2	0.420	9.77	2.92	0.95	-50.5	
1039	62.18		2400	23.2	0.420	9.66	2.64	0.86	-54.3	
1042	6218		3000	23.2	0.420	9.61	2.80	0.82	-57.4	
1045	62.18		3600	23.2	0.420	9.59	2.73	0.80	-59.4	
1048	62.18		4200	23.2	0.420	9.63	2.70	0.77	-60.9	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1050	LW-04-20170914

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: LW-05		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-14-17
Installed Well Depth (ft):	251.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	230	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	250	YSI Pro Plus 0219	**Client Name:** Montrose / demaximis
Depth to Water (ft):	65.51	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 2 **R:** 16 **D:** 14	**Sampled By:** E. Holmberg
Pump Set Depth (ft): 240'		**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
901	65.68	200	600	23.8	0.467	8.62	2.30	1.86	17.4	clear
904	65.70	↓	1200	23.6	0.463	8.80	2.11	1.37	3.5	↓
907	65.70		1800	23.5	0.460	8.89	2.24	1.05	-28.9	
910	65.70		2400	23.5	0.459	8.89	2.20	0.91	-41.1	
911	65.70		3000	23.6	0.460	8.92	2.18	0.82	-53.1	
914	65.70		3600	23.6	0.459	8.87	2.10	0.80	-59.8	
917	65.70		4200	23.7	0.459	8.85	2.19	0.78	-61.9	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	920	LW-05_20170914

Notes: ✓ = conformation photo taken

DUP ✕ LW-05_20170914_FD

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: LW-06		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	256.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	235	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	255	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	66.00	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 16 **D:** 14	**Sampled By:** E. Wilmberg
Pump Set Depth (ft):	245'	**Weather Conditions:** Pt. Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
921	66.12	100	300	25.6	0.218	7.74	4.74	2.71	91.1	Clear
924	66.12	↓	600	25.3	0.274	7.73	4.67	2.29	92.8	↓
927	66.12	↓	900	25.1	0.337	7.88	4.51	1.54	96.7	↓
930	66.12	↓	1200	25.2	0.339	7.90	4.56	1.49	97.7	↓
933	66.12	↓	1500	25.2	0.340	7.91	4.49	1.50	97.3	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	935	LW-06-20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: LW-07		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	251.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	230	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	250	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	67.92	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 16 **D:** 14	**Sampled By:** E. Holmberg
Pump Set Depth (ft): 240'		**Weather Conditions:** Pt. Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1342	68.06	100	300	25.7	0.483	7.35	4.03	1.60	-7.5	Clear
1345	68.06		600	25.6	0.445	7.37	3.80	1.01	-14.5	
1348	68.06		900	25.5	0.441	7.38	3.70	0.83	-19.6	
1351	68.06		1200	25.1	0.439	7.40	3.55	0.68	-27.6	
1334	68.06		1500	25.1	0.438	7.40	3.54	0.65	-30.6	
1337	68.06		1800	25.1	0.437	7.41	3.48	0.64	-32.4	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1340	LW-07-20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-01		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	76.60	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	63	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	73	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	51.46	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** R: 9.5 D: 5.5	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	68'	**Weather Conditions:** Pt. Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1236	51.40	200	600	24.4	3.89	6.39	9.36	1.12	49.2	
1241	51.40		1200	24.5	4.01	6.45	9.30	1.17	23.2	
1244	51.40		1800	24.5	3.85	6.47	8.96	1.46	3.5	
1247	51.40		2400	24.5	3.73	6.47	8.70	1.49	-8.1	
1250	51.40		3000	24.5	3.72	6.22	8.61	1.60	-15.7	
1253	51.40		3600	24.5	3.70	6.23	8.70	1.72	-17.9	
1256	51.40		4200	24.5	3.70	6.19	8.63	1.73	-19.4	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1300	MW-01_20170913

Notes: MS/MSD SAMPLED

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-02		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-14-17
Installed Well Depth (ft):	LW ~~77.50~~ 77.46	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	67	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	77	YSI Pro Plus 0219	**Client Name:** Montrose / demaximis
Depth to Water (ft):	57.45	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9 **D:** 6	**Sampled By:** E. Wolmberg
Pump Set Depth (ft):	~72'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
649	57.43	200	600	22.9	4.05	6.66	6.88	5.54	185.3	CLEAR
652	57.43	↓	1200	23.0	3.71	6.72	6.73	4.91	173.2	↓
655	57.43	↓	1800	23.1	3.69	6.76	6.55	5.94	153.1	↓
658	57.43	↓	2400	23.1	3.76	6.76	6.72	6.55	151.3	↓
702	57.43	↓	3000	23.1	3.77	6.77	6.80	6.73	148.2	↓
705	57.43	↓	3600	23.1	3.79	6.74	6.77	6.66	145.6	↓
708	57.43	↓	4200	23.1	3.80	6.76	6.74	6.72	144.6	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	710	MW-02_20170914

Notes: ✓ = conformation

Picture taken 9/14/17

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-04		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	75.30	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	65	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	75	YSI PRO PLUS	**Client Name:** Montrose / demaximis
Depth to Water (ft):	55.30	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 5 **D:** 10	**Sampled By:** A. GRADOW
Pump Set Depth (ft):	70'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1349	55.35	200	1000	26.6	1618	6.83	10	1.50	-44.9	clear/none
1352	55.35		1600	26.0	1702	6.83	11	1.41	-41.8	
1355	55.35		2200	25.5	1889	6.86	10	1.22	-37.4	
1358	55.35		2800	25.8	1949	6.87	9	1.15	-36.5	
1401	55.35		3400	25.7	1957	6.87	9	1.13	-35.1	
1404	55.35		4000	25.7	1960	6.87	9	1.11	-33.3	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1405	MW-04_20170914

Notes: DUP
MW-04_20170914_FD @ 1405

✓ = confirmed
PHOTO TAKEN OF GROUP WELL

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JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-05		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	72.40	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	62	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	73	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	55.41	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** R: 9 D: 6	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	67.5'	**Weather Conditions:** Pt. Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
822	55.35	300	900	23.6	1.78	6.58	2.28	1.41	117.6	clear
825	55.35		1800	23.7	1.60	6.51	2.24	2.58	115.9	
828	55.35		2700	23.8	1.57	6.50	1.94	2.81	115.3	
831	55.35		3600	23.8	1.55	6.49	1.90	2.79	115.8	
834	55.35		4500	23.8	1.55	6.49	1.87	2.74	115.7	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	835	MW-05.20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-06		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	85.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	65	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	80	YSI PRO PLUS	**Client Name:** Montrose / demaximis
Depth to Water (ft):	54.94	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 5 **D:** 10	**Sampled By:** A. GRABOW
Pump Set Depth (ft):	72'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. uS/cm (~~mS/cm~~)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1114	55.00	200	1000	24.5	10264	6.88	80	2.84	7.0	CLOUDY / NONE
1117	55.00	↓	1600	24.4	11915	6.74	76	2.64	3.8	↓
1120	55.00		2200	24.4	13214	6.67	75	2.38	2.1	
1123	55.00		2800	24.1	14141	6.64	72	1.99	-0.3	
1126	55.00		3400	24.1	14163	6.69	71	1.88	-1.2	
1129	55.00		4000	24.1	14179	6.69	73	1.87	-2.6	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1130	MW-06_20170914

Notes: ✓: CONFIRMED
PHOTO TAKEN OF GROUP WELLS

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-09		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-12-17
Installed Well Depth (ft):	85.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	66	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	81	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	59.18	**Control Box Settings**	**Client Project Number:**
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Nelmberg
Pump Set Depth (ft):	73.5'	**Weather Conditions:** Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
651	58.92	200	600	22.1	1.99	6.64	48.3	4.08	201.3	slight opaque
654	58.92		1200	22.1	1.60	6.92	45.7	5.89	192.3	
657	58.92		1800	22.1	1.48	7.03	46.1	6.95	188.6	
700	58.92		2400	22.1	1.48	7.09	46.9	6.89	185.6	
703	58.92		3000	22.2	1.47	7.12	49.1	7.01	182.5	
706	58.92		3600	22.2	1.46	7.14	48.3	7.12	181.6	
709	58.92		4200	22.2	1.46	7.15	47.8	7.17	180.7	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	710	MW-09_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-10		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-12-17
Installed Well Depth (ft):	83.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	62	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	77	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	51.79	**Control Box Settings**	**Client Project Number:** N4
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Holmberg
Pump Set Depth (ft): 69.5'		**Weather Conditions:** Pt. Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1323	51.72	300	900	23.5	2.39	6.86	1.72	2.26	113.4	clear
1326	51.72	↓	1800	23.3	2.27	6.87	1.65	1.40	129.0	↓
1329	51.72		2700	23.2	2.18	6.88	1.44	1.38	135.5	
1332	51.72		3600	23.2	2.06	6.50	1.52	1.69	141.8	
1335	51.72		4500	23.2	2.05	6.52	1.54	1.73	145.2	
1338	51.72	↓	5400	23.2	2.04	6.50	1.52	1.77	146.0	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1340	MW-10_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-11		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	84.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	62	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	77	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	51.30	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9 **D:** 6	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	69.5'	**Weather Conditions:** Pt. Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
713	51.36	200	600	22.6	2.70	6.58	5.31	1.96	186.9	clear
716	51.36	↓	1200	22.7	2.23	6.62	5.43	3.02	169.9	↓
719	51.36		1800	22.7	1.94	6.65	5.26	2.18	162.1	
722	51.36		2400	22.7	1.83	6.67	5.10	2.45	138.3	
725	51.36		3000	22.7	1.79	6.68	5.10	2.55	132.9	
728	51.36	↓	3600	22.7	1.79	6.69	5.05	2.65	129.7	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary / DUP	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	730	MW-11_20170913

Notes:
MW-11_20170913_FD

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-12		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/12/17
Installed Well Depth (ft):	175.80	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	160	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	176	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	45.95	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	~~6~~ 4" (M)	**CPM:** 4 **R:** 9.5 **D:** 5.5	**Sampled By:** E. Holmberry
Pump Set Depth (ft):	168'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1403	48.85	300	900	23.1	1.53	6.79	3.26	0.88	136.0	clear
1406	48.85	|	1800	22.9	1.53	6.81	3.16	0.77	132.5	|
1409	48.85	|	2700	22.9	1.53	6.82	2.14	0.74	131.8	|
1412	48.85	|	3600	22.9	1.53	6.82	2.10	0.96	129.5	|
1415	48.85	|	4500	22.8	1.53	6.82	2.07	0.96	127.7	|
1418	48.85	300	5400	22.8	1.53	6.82	2.10	0.95	126.8	|

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1420	MW-12_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-13		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	81.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	62	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	77	YSI PRO PLUS	**Client Name:** Montrose / demaximis
Depth to Water (ft):	51.05	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 5 **D:** 10	**Sampled By:** A. GRABOW
Pump Set Depth (ft): 70'		**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1033	51.10	200	1000	23.0	2092	6.91	25	2.50	-57.6	PRODUCT SHEEN & CHEM
1036	51.05	↓	1600	22.9	1864	6.92	23	2.46	-58.6	↓
1039	51.05		2200	22.8	1809	6.91	22	2.29	-53.1	
1042	51.05		2800	22.8	1810	6.91	22	2.30	-54.8	
1045	51.05		3400	22.8	1821	6.91	22	2.31	-54.0	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1046	MW-13_20170914

Notes: ✓ = CONFIRMED
PHOTO TAKEN OF GROUNDWELL

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-19		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-12-17
Installed Well Depth (ft):	80.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	63	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	79	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	55.09	**Control Box Settings**	**Client Project Number:**
Well Casing Diameter (in):	4 ✓	**CPM:** 11 **R:** 10 **D:** 5	**Sampled By:** E. Nolmberg
Pump Set Depth (ft):	71'	**Weather Conditions:** Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
753	55.04	300	900	22.5	4.58	6.90	113	5.01	174.7	cloudy
756	55.04		1800	22.6	3.80	6.97	110	5.68	168.9	
759	55.04		2700	22.6	3.61	7.00	107	6.16	167.0	
802	55.04		3600	22.6	3.42	7.04	100	6.77	165.7	
805	55.04		4500	22.6	3.27	7.07	104	7.58	163.9	
808	55.04		5400	22.6	3.28	7.08	105	7.64	163.1	
811	55.04		6300	22.6	3.29	7.08	103	7.74	163.0	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	815	MW-19_20170912

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-22		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-11-17
Installed Well Depth (ft):	~~74.00~~ 73.48	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	57	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	73	YSI Pro	**Client Name:** Montrose / demaximis
Depth to Water (ft):	50.60	**Control Box Settings**	**Client Project Number:** N4
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	65'	**Weather Conditions:**	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
812	50.10	200	600	21.8	2.55	6.91	112	6.54	167.0	clear
815	50.25	↓	1200	21.8	2.52	6.95	97.3	7.59	156.2	↓
818	50.48		1800	21.8	2.44	7.07	95.2	8.75	146.4	
821	50.50		2400	21.8	2.37	7.11	90.1	9.29	142.9	
824	50.50		3000	21.8	2.34	7.16	89.7	9.30	141.0	
827	50.50		3600	21.8	2.33	7.18	88.2	9.32	141.5	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	830	MW-22_091117

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-23		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	80.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	60	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	75	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	45.00	35%. **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 11 **D:** 4	**Sampled By:** RC
Pump Set Depth (ft): 67.5		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1130	45.05	200	1000	23.8	2.76	6.92	69.9	3.70	-73.8	cloudy
1133	45.17	1	1600	23.9	2.84	6.94	63.8	3.44	-77.4	↓
1136	45.18	100	1900	24.5	2.84	6.93	55.6	3.12	-79.4	↓
1139	45.20	↓	2200	24.6	2.85	6.93	47.3	3.22	-78.9	↓
1142	45.20	↓	2500	24.7	2.86	6.92	40.7	3.26	-77.6	↓
1145	45.20	↓	2800	24.6	2.86	6.91	36.1	3.18	-76.1	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1349	MW-23_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-24		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	68.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	49	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	64	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	31.37	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** RC
Pump Set Depth (ft): 56.5		**Weather Conditions:** Partly cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0815	31.56	200	1000	22.4	4.52	6.86	6.82	0.63	-14.4	clear
0818	31.52	100	1300	22.6	4.55	6.87	5.13	0.61	-21.2	
0821	31.50		1600	22.8	4.58	6.87	4.00	0.74	-27.0	
0824	31.50		1900	22.8	4.59	6.87	3.87	0.79	-34.3	
0827	31.50		2200	22.8	4.59	6.87	3.62	0.80	-38.8	
0830	31.50		2500	22.9	4.59	6.87	3.58	0.83	-42.4	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0830	MW-24_20170913

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-25		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-11-17
Installed Well Depth (ft):	75.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	56	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	71	YSI PRO	**Client Name:** Montrose / demaximis
Depth to Water (ft):	41.67	**Control Box Settings**	**Client Project Number:**
Well Casing Diameter (in):	4	**CPM:** 4 **R:** 10 **D:** 8	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	63.5'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
855	41.50	300	900	23.2	2.39	6.70	3.44	4.10	116.5	
858	41.58		1800	23.1	2.41	6.68	2.93	3.90	116.3	
901	41.59		2700	23.0	2.41	6.68	2.80	3.50	113.1	
904	41.59		3600	23.0	2.41	6.68	2.77	3.41	109.5	
907	41.59		4500	23.0	2.41	6.68	2.69	3.35	108.1	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	910	MW-25_20170911 ~~091117~~

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-26		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	80.00	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	59	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	74	YSI Pro Plus 16F100[illegible]	**Client Name:** Montrose / demaximis
Depth to Water (ft):	47.90	40ps Control Box Settings	**Client Project Number:** N9
Well Casing Diameter (in):	4 ✓	**CPM:** 4 **R:** 9 **D:** 6	**Sampled By:** RC
Pump Set Depth (ft): 66.5		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0939	47.78	200	1000	23.4	2.46	6.86	6.86	0.93	-4.6	clear
0942	47.63		1600	23.5	2.41	6.90	5.12	0.76	-7.9	
0945	47.63		2200	23.4	2.07	6.93	6.90	1.23	-23.7	
0948	47.63		2800	23.4	1.90	6.96	5.96	1.65	~~-31.2~~ -31.2	
0951	47.63		3400	23.5	1.88	6.96	5.73	1.76	-35.1	
0954	47.63		4000	23.5	1.86	6.97	5.61	1.78	-39.0	
0957	47.63		4600	23.4	1.85	6.98	5.36	1.81	-42.2	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0958	MW-26_20170914

Notes:
√ = confirmed

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: MW-30		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	~~62.30~~ MW	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	42	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	62	YSI Pro Plus 16F100917	**Client Name:** Montrose / demaximis
Depth to Water (ft):	41.48	**Control Box Settings**	**Client Project Number:** ~~F205d~~ NA
Well Casing Diameter (in):	MW 4"	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** R. Courtney
Pump Set Depth (ft):	52'	**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
0855	46.04	200	1000	23.4	2.58	6.80	36.8	1.72	-63.0	CLOUDY
0858	46.03	100	1300	23.7	2.60	6.79	36.9	1.80	-49.0	
0901	46.02	100	1600	24.1	2.60	6.74	34.7	1.90	-40.4	
0904	46.02	100	1900	24.2	2.61	6.75	28.6	1.88	-35.2	
0907	46.02	100	2200	24.3	2.61	6.75	21.8	1.94	-34.3	
0910	46.02	100	2500	24.4	2.61	6.75	19.9	1.88	-34.3	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	0910	MW-30_20170913

Notes: MW-30_20170913_FD @ 0910

CONFIRMED PHOTO TAKEN OF GROUP HERE

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: SWL0011		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-13-17
Installed Well Depth (ft):	108.60	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	92	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	109	YSI Pro Plus/16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	41.44	45Hz Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in): ~~4~~ 2 4/√		**CPM:** **R:** **D:**	**Sampled By:** RC
Pump Set Depth (ft): 100.5		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1043	41.57	200	1000	24.3	0.524	7.82	11.4	1.41	-45.0	Clear
1048	41.58		1600	24.1	0.56	7.80	3.51	0.82	-54.7	
1061	41.58		2200	24.0	0.56	7.80	2.07	0.61	-70.4	
1054	41.58		2800	24.1	0.56	7.80	1.96	0.58	-74.8	
1057	41.58		3400	24.2	0.56	7.79	1.95	0.57	-79.8	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1058	SWL0011_20170913

Notes: √ = confirmed

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: SWL0020		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9-11-17
Installed Well Depth (ft):	204.0 ~~196.40~~	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	181	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	196	YSI Pro Plus	**Client Name:** Montrose / demaximis
Depth to Water (ft):	36.32	**Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	~~6~~ 4"	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** E. Holmberg
Pump Set Depth (ft):	188.5'	**Weather Conditions:** Sunny	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1404	36.39	200	600	24.7	0.58	7.35	3.38	4.86	-3.1	clear
1407	36.40	↓	1200	24.1	0.64	7.55	3.21	2.06	-38.5	↓
1410	36.40		1800	24.1	0.64	7.60	3.36	1.25	-61.2	
1413	36.40		2400	24.1	0.64	7.62	3.40	1.19	-71.0	
1416	36.40		3000	24.0	0.64	7.63	3.29	1.16	-75.1	
1419	36.40	↓	3600	23.9	0.64	7.65	3.30	1.10	-80.2	↓

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1420	SWL0020_20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: SWL0026		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/11/17
Installed Well Depth (ft):	175.50	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	160	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	176	YSI Pro Plus / 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	34.20	100 PSI Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	2 ✓	**CPM:** 2 **R:** 14 **D:** 16	**Sampled By:** RC
Pump Set Depth (ft): 168		**Weather Conditions:** Clear	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1347	34.12	100	1000	26.6	0.55	7.70	4.03	1.24	-157.2	clear
1350	34.12		1300	26.5	0.57	7.79	2.63	0.96	-182.2	
1353	34.12		1600	26.4	0.58	7.87	3.13	0.72	-201.6	
1356	34.12		1900	26.4	0.59	7.90	1.97	0.57	-215.4	
1359	34.12		2200	26.2	0.59	7.91	1.85	0.55	-217.5	
1402	34.12		2500	26.1	0.59	7.91	1.79	0.53	-221.8	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1402	SWL0026_20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: SWL0027		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/11/17
Installed Well Depth (ft):	~~135.00~~ 138.15	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	119	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	135	YSI Pro Plus 16F100197	**Client Name:** Montrose / demaximis
Depth to Water (ft):	32.60	80psi Control Box Settings	**Client Project Number:** NA
Well Casing Diameter (in):	~~2~~ 4"	CPM: 4 R: 10 D: 5	**Sampled By:** JL
Pump Set Depth (ft): 127		**Weather Conditions:** Clear	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1426	32.50	2000	1000	24.3	1.04	7.35	3.29	1.20	-99.6	clear
1429	32.50		1600	24.1	1.20	7.35	2.93	0.91	-129.8	
1432	32.50		2200	23.9	1.25	7.35	3.93	0.68	-151.4	
1435	32.50		2800	24.0	1.27	7.35	3.13	0.66	-157.0	
1438	32.50		3400	24.0	1.27	7.35	2.90	0.63	-155.3	
1441	32.50		4000	24.0	1.27	7.35	2.68	0.64	-158.4	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1442	SWL0027_20170911

Notes:

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: SWL0034		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/13/17
Installed Well Depth (ft):	175.80	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	160	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	176	YSI ProPlus 16F100497	**Client Name:** Montrose / demaximis
Depth to Water (ft):	45.95	110psi **Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	0r 4" ✓	**CPM:** 4 **R:** 10 **D:** 5	**Sampled By:** RC
Pump Set Depth (ft): 168		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1027	45.97	200	1000	23.3	1.68	7.46	3.53	1.23	-100.4	clear
1030	45.97		1600	23.4	1.76	7.44	3.13	0.88	-107.8	
1033	45.97		2200	23.2	1.78	7.45	2.89	0.73	-112.7	
1036	45.97		2800	23.0	1.74	7.46	2.37	0.63	-118.4	
1039	45.97		3400	23.0	1.79	7.46	2.51	0.59	-122.8	
1042	45.97		4000	23.0	1.79	7.46	2.45	0.58	-125.1	

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1042	SWL0034_20170913

Notes: EB_20170913_01 @ 1050

JHA ENVIRONMENTAL

GROUNDWATER SAMPLING FORM

Well ID #: SWL0049		**Purging Method:** Low-Flow	**Site:** Montrose Chemical Superfund
Measurement Point: TOC - North Side			**Date:** 9/14/17
Installed Well Depth (ft):	62.30	**Tubing Type and Diameter:** TLPE.17X1/4 x LDPE.17x1/4	**Sampling Event:** September 2017
Top of Screen:	42	**WQ Meter Model and ID:**	**Project Number:** F205d
Bottom of Screen:	62	YSI Pro Plus 16F100797	**Client Name:** Montrose / demaximis
Depth to Water (ft):	41.48	**H_2O Control Box Settings**	**Client Project Number:** NA
Well Casing Diameter (in):	RC 0.4 ✓	**CPM:** ~~R:~~ ~~D:~~	**Sampled By:** RC
Pump Set Depth (ft): 52		**Weather Conditions:** Partly Cloudy	

Time (hh:mm)	Depth to Water (Ft)	Flow Rate (mL/min)	Total Volume Purged (mL)	Temp. (deg C)	Cond. (mS/cm)	pH	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Observations
1015	41.45	300	1200	23.4	2.23	6.66	13.0	0.83	-26.0	odor/clear
1018	41.45	↓	2100	23.6	2.22	6.67	8.53	0.98	-32.7	↓
1021	41.45		3000	23.7	2.22	6.65	7.31	1.00	-36.1	
1024	41.45		3900	23.8	2.23	6.65	6.98	1.02	-32.0	
1027	41.45	↓	4800	23.8	2.24	6.64	6.37	1.02	-37.4	→

Sample Type	Quantity/Container Type	Preservative	Analysis	Sample Time	Sample Identification
Primary	3, VOAs (Preserved); 1, 250 ml poly; 2 VOAs (unpreserved)	HCL; 4°C	VOCs Including fuel oxygenates (8260B); pCBSA (EPA 314 Modified)	1028	SWL0049_20170914

Notes: ✓ = Confirmed

Appendix E

Waste Management

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAR000216663
2. Page 1 of: 1
3. Emergency Response Phone: 866 612-9565
4. Manifest Tracking Number: 016306031 JJK

GENERATOR

5. Generator's Name and Mailing Address
Equilon Enterprises LLC dba Shell Oil Products US
P.O. Box 92316
Long Beach CA 90809-2316
Generator's Phone: 310 522-1168

Generator's Site Address (if different than mailing address)
Del Amo Waste Pits Respondents
20245 S. Vermont Ave
Torrance CA 90502

6. Transporter 1 Company Name: American Integrated Services Inc
U.S. EPA ID Number: CAR000148338

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors- Wilmington, LLC
1737 E. Denni Street
Wilmington CA 90744
Facility's Phone: 310 835-9996
U.S. EPA ID Number: CAD044429835

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						135	D001	D018
X	1. UN1993, WASTE Flammable liquids, n.o.s. (Benzene), 3, PGII	1	DM	40	G			
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear proper PPE while handling. Weights or volumes are approximate.
GHD is the Emergency Response Contractor
Job# 37009-1-10 RWR# 11006 Profile# CH1093696 SO#1705052700 1X55DM

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: AIS on behalf of Generator - J Sherman
Signature:
Month: 10 Day: 12 Year: 17

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Eddie Lino
Signature: Eddie Lino
Month: 10 Day: 12 Year: 17

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Johan Agumt
Signature:
Month: 10 Day: 12 Year: 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAR000216663	1	866 812-9565	016306032 JJK

GENERATOR

5. Generator's Name and Mailing Address
Equilon Enterprises LLC dba Shell Oil Products US
P.O. Box 92316
Long Beach CA 90809-2316
Generator's Phone: 310 522-1168

Generator's Site Address (if different than mailing address)
Del Amo Waste Pits Respondents
20245 S. Vermont Ave
Torrance CA 90502

6. Transporter 1 Company Name
American Integrated Services Inc
U.S. EPA ID Number
CAR000148338

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Ecology Vernon, Inc.
5375 S Boyle Ave
Los Angeles CA 90058
Facility's Phone: 323 277-1600
U.S. EPA ID Number
CAD097030993

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082, Hazardous waste, liquid, n.o.s. (Benzene), 9, PGIII	001	TT	540	G	135	D018	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear proper PPE while handling. Weights or volumes are approximate.
GHD is the Emergency Response Contractor
Job# 37010-1-4 RWR# 10927 Profile# P191619

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: AIS on behalf of Generator - J Sherman
Signature:
Month: 10 Day: 12 Year: 17

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: ALONZO DELGADO
Signature:
Month: 10 Day: 12 Year: 17

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Mark Haven
Signature:
Month: 10 Day: 12 Year: 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

US Ecology Vernon, Inc.
5375 S. Boyle Ave.
Los Angeles, CA 90058
(323) 277-1500

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions code, administered by the Division of Measurment Standards of the California Department of Food and Agriculture.

Transaction No. 1357 Time In 09:46 AM Out 10:11 AM Date 10/12/2017

Manifest No.	016306032JJK		
Generator Name	SHELL OIL		
Destination			
		Gross:	31060 lb Recalled
Transporter	AMERICAN INTERGRATED	Tare:	26520 lb
Driver Name	ALONZO DELGADO		
Vehicle I.D.	42585K1	Net:	4540 lb
Waste Code	D018		
Description	WATER W/BENZENE		
Sp. Gravitty/gal	1.000	Volume in Gallons	544.0

Deputy Weighmaster Mads Hansen

MADS HANSEN

Appendix F

Historical Water Level Summary Table

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		AW0051UB	AW0055UB	AW0074UB	DAC-P1	EWB002	EWB003	GW-07A	IRZMW001A	IRZMW001B	IRZMW004	IRZMW005	IWB001	IWB002	MBFB-EW-1	MBFB-OW-1
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Facility		Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Del Amo	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Montrose	Montrose
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-	-	-	-	-	-	-17.32	-	-	-	-	-	-	-	-
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-	-	-18.84	-	-	-	-	-	-	-	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-	-	-19.11	-	-	-	-	-	-	-	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-	-	-	-	-	-	-15.99	-	-	-	-	-	-	-	-
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-	-	-	-	-	-	-15.47	-	-	-	-	-	-	-	-
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-	-	-15.64	-	-	-	-	-	-	-	-
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-	-	-	-	-	-	-15.50	-	-	-	-	-	-	-	-
1996	Feb	-	-	-	-	-	-	-15.39	-	-	-	-	-	-	-	-
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-	-	-	-	-	-	-15.49	-	-	-	-	-	-	-	-
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-	-	-	-	-	-	-15.45	-	-	-	-	-	-	-	-
1998	Feb	-	-	-	-	-	-	-14.29	-	-	-	-	-	-	-	-
1999	Jan	-	-	-	-	-	-	-13.45	-	-	-	-	-	-	-	-
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-	-	-	-	-	-	20.04	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-	-12.81	-	-	-	-	-	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-	-	-	-	-	-	-10.22	-	-	-	-	-	-	-10.14	-
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-	-	-	-	-	-	-6.47	-	-	-	-	-	-	-7.96	-
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-	-	-	-	-	-	-6.91	-	-	-	-	-	-	-8.00	-
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-5.16	-5.15	-5.24	-4.18	-5.03	-7.45	-7.01	-5.71	-5.76	-5.72	-5.96	-4.82	-4.86	-7.60	-4.58
2016	Sep	-6.89	-6.88	-6.98	-6.25	-6.86	-10.54	-6.89	-7.67	-7.76	-7.78	-7.97	-6.35	-6.71	-7.50	-6.89
2017	Sep	-5.48	-5.44	-5.63	-5.10	-5.61	-9.99	-5.69	-6.41	-6.46	-6.46	-6.67	-5.07	-5.31	-6.20	-5.66

Note:
WT=Water Table
Mer = Merged

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		MW-01	MW-01HD	MW-02	MW-02HD	MW-03	MW-03HD	MW-04	MW-04HD	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11	MW-12
HSU		WT/MBFB	WT	WT/MBFB	WT	WT/MBFB	WT	WT/MBFB	WT	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Facility		Montrose	Del Amo	Montrose	Del Amo	Montrose	Del Amo	Montrose	Del Amo	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-18.96	-19.57	-19.80
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-18.85	-19.47	-19.68
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-19.69	-20.52	-20.62
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-19.82	-20.59	-20.67
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-19.43	-20.17	-20.25
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-17.87	-18.44	-18.66
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-18.53	-19.14	-19.34
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-18.34	-18.92	-19.06
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-18.09	-18.67	-18.89
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-17.96	-18.37	-18.74
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-17.67	-18.26	-18.46
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-14.15	-	-12.46	-	-13.38	-	-17.28	-	-	-	-	-	-	-	-
1993	Feb	-	-14.14	-	-	-	-13.26	-	-17.15	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-18.23
1993	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-17.92	-18.30	-18.36
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-17.80	-	-18.05
1993	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-17.68	-18.02	-17.94
1993	Aug	-	-14.57	-	-	-	-	-	-17.45	-	-	-	-	-	-	-	-
1993	Sep	-	-14.61	-	-12.47	-	-13.59	-	-17.43	-	-	-	-	-	-17.37	-	-
1993	Nov	-	-14.44	-	-12.39	-	-13.54	-	-17.31	-	-	-	-	-	-	-	-
1993	Dec	-	-14.29	-	-12.39	-	-13.43	-	-17.16	-	-	-	-	-	-	-	-
1994	Jan	-17.04	-13.69	-	-12.64	-16.66	-13.07	-16.34	-17.11	-16.32	-16.95	-	-	-16.32	-16.31	-16.87	-17.07
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-14.13	-	-12.53	-	-	-	-17.19	-	-	-	-	-	-	-	-
1994	May	-17.79	-	-	-	-16.95	-13.10	-	-	-	-	-18.03	-	-	-17.06	-17.42	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-17.37	-13.63	-	-12.41	-	-12.94	-16.54	-16.78	-16.63	-16.20	-	-	-16.59	-16.45	-17.02	-16.80
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-17.30	-13.60	-	-12.47	-	-12.94	-16.44	-16.90	-16.53	-17.11	-	-	-16.42	-16.46	-16.88	-16.75
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-16.03	-12.90	-24.29	-12.11	-15.73	-12.45	-15.39	-15.88	-15.34	-16.16	-16.04 (-15.85)	-64.73	-15.48	-15.28	-15.79	-15.90
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-16.82	-13.32	-	-12.46	-	-12.79	-16.19	-16.16	-16.13	-16.67	-	-	-16.00	-16.00	-16.61	-16.66
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-16.31	-12.95	-	-11.94	-	-12.21	-15.69	-15.37	-15.61	-16.32	-	-	-15.70	-15.57	-16.08	-16.07
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-15.22	-12.56	-	-12.12	-14.57	-12.29	-14.33	-15.35	-14.43	-15.01	-	-	-14.32	-14.40	-14.97	-15.19
1996	Feb	-15.82	-12.73	-	-12.06	-15.30	-12.31	-15.02	-16.22	-15.12	-15.58	-	-	-15.11	-15.03	-15.60	-15.73
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-15.42	-12.58	-	-12.22	-14.90	-12.39	-14.61	-15.55	-14.71	-15.29	-	-63.79	-14.61	-14.57	-15.12	-15.24
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-15.08	-13.51	-	-12.10	-14.70	-12.31	-14.29	-15.75	-14.44	-14.67	-	-	-14.44	-14.42	-14.86	-14.99
1998	Feb	-20.06	-12.15	-	-	-13.56	-11.77	-13.36	-14.98	-13.48	-14.14	-	-	-	-13.43	-14.07	-14.23
1999	Jan	-13.11	-	-	-	-12.68	-	-12.50	-	-12.52	-13.07	-	-	-	-12.41	-13.03	-13.20
1999	Feb	-	-	-	-11.09	-	-11.17	-	-14.42	-	-	-	-	-	-	-	-
2000	Jun	-12.97	-11.26	-	-	-12.97	-11.07	-12.46	-14.35	-12.42	-	-	-	-17.28	-12.36	-12.90	-13.20
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-10.89	-	-10.75	-	-10.92	-	-13.09	-	-	-	-	-	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-9.50	-9.02	-9.74	-8.84	-	-8.74	-9.35	-9.63	-9.18	-9.71	-	-	-8.94	-9.01	-9.32	-9.45
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-6.88	-6.37	-7.07	-6.34	-	-6.39	-7.08	-7.31	-6.90	-7.07	-	-	-6.74	-6.76	-6.93	-6.98
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-7.83	-6.52	-7.84	-6.49	-	-6.80	-7.86	-7.59	-7.84	-7.81	-	-	-7.54	-7.78	-7.84	-7.84
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-7.56	-6.58	-7.67	-6.37	-5.07	-6.80	-7.72	-7.65	-7.81	-7.50	-5.01	-4.78	-8.65	-8.68	-7.67	-7.68
2016	Sep	-7.46	-6.83	-7.47	-6.40	-7.41	-6.89	-7.46	-7.68	-7.63	-7.14	-7.44	-7.18	-7.47	-7.45	-7.43	-7.46
2017	Sep	-6.25	-6.54	-6.28	-5.95	-6.13	-6.00	-6.17	-6.54	-6.40	-6.76	-6.12	-5.85	-6.21	-6.17	-6.19	-

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		MW-13	MW-14	MW-16	MW-17	MW-19	MW-21	MW-22	MW-23	MW-24	MW-25	MW-26	MW-27	MW-28	MW-29	MW-30	MW-31	MW0005
HSU		WT/MBFB	WT/MBFB	WT	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT	WT	WT	WT	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Facility		Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Boeing
1989	Jan	-20.05	-20.16	-	-	-	-	-	-21.20	-20.51	-21.77	-20.33	-	-	-	-	-	-
1989	Feb	-19.94	-20.07	-	-	-	-	-	-20.98	-20.35	-21.50	-20.26	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-20.89	-21.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-20.98	-21.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-20.53	-20.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-18.99	-19.10	-	-17.83	-	-18.56	-	-19.97	-19.17	-17.78	-19.21	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-20.76	-	-	-	-	-	-	-	-	-
1990	Aug	-19.59	-19.68	-	-	-	-	-	-20.62	-19.89	-21.30	-19.90	-	-	-	-	-	-
1990	Nov	-19.38	-19.51	-	-18.11	-	-18.89	-	-20.41	-19.71	-20.87	-19.72	-	-	-	-	-	-
1990	Dec	-19.09	-19.18	-	-17.97	-	-18.68	-	-20.26	-19.70	-20.78	-19.46	-	-	-	-	-	-
1991	Apr	-18.91	-18.79	-	-18.22	-	-18.71	-	-20.23	-19.62	-20.88	-18.97	-18.20	-18.81	-19.57	-19.34	-	-
1991	Nov	-18.71	-18.74	-	-17.63	-	-18.37	-	-19.73	-19.05	-20.38	-18.92	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-19.41	-	-	-	-	-	-	-19.62	-	-	-	-
1992	Nov	-	-	-	-	-	-18.91	-	-	-	-	-	-18.42	-19.26	-	-	-	-
1992	Dec	-	-	-	-	-	-18.71	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-17.81	-17.70	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-18.94	-	-	-	-	-	-	-20.07	-	-	-	-17.85	-18.67	-19.09	-	-	-
1993	May	-18.80	-	-	-	-	-18.13	-	-	-18.88	-20.34	-19.08	-17.83	-18.57	-19.12	-19.62	-	-
1993	Jun	-18.67	-18.95	-	-	-	-17.94	-	-20.22	-19.32	-	-19.03	-17.70	-18.36	-18.83	-19.05	-	-
1993	Jul	-18.53	-18.49	-	-	-	-17.87	-	-19.33	-18.53	-20.17	-18.91	-17.63	-18.29	-18.80	-18.91	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-18.32	-18.28	-	-	-	-17.62	-	-18.98	-18.05	-	-18.60	-	-18.01	-18.50	-18.50	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-17.17	-17.25	-17.51	-	-15.69	-16.39	-17.57	-17.79	-17.35	-18.58	-17.49	-16.20	-16.88	-17.31	-17.37	-	-
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-17.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-17.91	-17.88	-	-	-	-	-	-18.30	-	-	-	-	-	-	-18.09	-	-
1994	May	-	-	-	-	-	-17.03 (-17.02)	-	-	-17.73	-19.26	-	-16.98	-17.50	-18.02	-	-	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-17.29	-17.35	-17.53	-	-16.00	-20.44	-17.71	-17.82	-17.34	-18.52	-17.70	-16.23	-16.84	-17.28	-17.43	-	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-17.34	-17.26	-	-	-15.89	-16.17	-17.54	-17.73	-17.37	-18.57	-17.63	-16.25	-16.72	-17.34	-17.43	-	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-16.03	-16.23	-16.60	-16.04	-14.93	-15.46	-16.52	-16.25	-15.95	-17.47	-16.38	-15.26	-15.78	-16.24	-15.98	-	-
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-16.83	-16.97	-17.21	-	-15.49	-15.84	-17.30	-17.03	-27.21	-17.92	-17.28	-15.82	-16.22	-16.67	-16.79	-	-
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-16.12	-16.41	-	-	-15.14	-15.92	-16.75	-16.21	-15.89	-17.31	-16.71	-15.45	-16.16	-16.11	-15.82	-	-
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-15.32	-15.47	-15.46	-	-13.81	-14.70	-15.52	-15.79	-15.59	-16.36	-15.55	-14.48	-14.98	-15.50	-15.32	-	-
1996	Feb	-15.72	-15.91	-16.26	-	-14.57	-15.03	-16.04	-15.96	-15.75	-16.94	-16.06	-14.97	-13.66	-15.84	-15.61	-	-
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-15.53	-	-	-	-
1996	Jun	-15.35	-15.59	-15.81	-	-14.04	-14.74	-15.85	-15.86	-15.66	-16.88	-15.78	-14.51	-15.12	-15.47	-15.57	-	-
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-15.38	-15.49	-15.27	-	-13.97	-14.69	-15.54	-15.91	-15.76	-16.58	-15.51	-14.11	-15.07	-15.30	-15.55	-	-
1998	Feb	-14.24	-14.40	-14.56	-	-12.85	-13.74	-14.73	-15.26	-14.90	-16.24	-14.74	-13.47	-14.22	-14.53	-14.64	-	-
1999	Jan	-13.48	-13.06	-13.73	-	-11.79	-12.91	-13.76	-	-13.61	-15.41	-13.55	-12.53	-	-13.58	-13.54	-	-
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-13.34	-	-	-	-
2000	Jun	-13.40	-13.34	-	-	-	-13.06	-	-	-14.07	-19.90	-	-12.56	-13.27	-13.28	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-13.60	-	-	-	-13.80	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-13.40	-	-12.94	-12.76	-	-	-	-12.44	-12.55	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-9.58	-9.73	-9.99	-	-	-9.10	-9.90	-9.31	-9.68	-10.47	-9.72	-9.03	-	-9.40	-9.18	-	-
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-7.21	-7.24	-7.26	-	-6.62	-7.08	-7.38	-7.21	-7.39	-8.24	-7.18	-6.82	-7.43	-7.35	-7.25	-	-
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-8.03	-7.91	-7.63	-	-7.66	-7.81	-7.86	-8.00	-8.14	-8.61	-7.75	-7.81	-8.12	-7.94	-7.70	-	-
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-7.76	-7.74	-7.48	-4.95	-7.49	-7.78	-7.66	-7.13	-7.83	-8.45	-7.58	-7.69	-	-7.78	-7.44	-4.95	-6.97
2016	Sep	-7.68	-7.58	-7.47	-7.39	-7.17	-7.60	-7.52	-7.68	-7.83	-8.38	-7.53	-7.67	-7.59	-3.08	-7.68	-7.33	-8.89
2017	Sep	-6.21	-5.92	-	-6.11	-5.94	-6.43	-6.25	-6.22	-6.54	-7.26	-6.30	-6.17	-6.25	-6.36	-6.54	-6.10	-7.33

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		MWB003	MWB006	MWB007	MWB012	MWB013	MWB014	MWB019	MWB020	MWB027	MWB028	MWB029	MWB030	PZL0001	PZL0006	PZL0007	PZL0009	PZL0010
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT	WT	WT	WT	WT
Facility		Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-16.00	-
1993	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-15.91	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-	-19.13	-21.22	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-18.85	-16.86	-17.60	-16.64	-16.54
1993	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-19.08	-16.86	-17.63	-16.55	-16.62
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-16.51
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-18.75	-16.66	-17.40	-16.26	-16.32
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-16.23	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-16.23	-
1994	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-17.85	-15.49	-16.50	-15.03	-15.41
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-14.91	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-14.86	-
1994	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-18.15	-	-16.88	-	-
1994	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-16.38	-	-15.73	-15.88
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-15.60	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-17.44	-15.36	-16.14	-15.21	-15.18
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-17.58	-15.27	-16.28	-15.02	-15.30
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-15.09	-
1995	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-16.50	-14.37	-15.19	-13.89	-14.14
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-16.14	-14.99	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-15.72	-14.70	-
1995	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-16.72	-14.61	-15.52	-14.55	-14.49
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-16.18	-14.02	-15.12	-13.97	-14.11
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-16.44	-	-15.04	-	-14.04
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-16.26	-12.60	-14.98	-12.80	-13.61
1996	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-15.94	-14.15	-14.64	-13.50	-13.84
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-16.23	-13.92	-14.89	-13.29	-13.73
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-16.61	-13.51	-15.02	-13.20	-13.75
1998	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-15.96	-14.17	-14.32	-12.42	-12.77
1999	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-14.74	-12.07	-13.46	-11.02	-11.89
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-14.65	-11.94	-13.50	-11.32	-12.06
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-13.91	-11.49	-11.93	-10.90	-11.48
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-9.89	-7.95	-8.50	-7.66	-8.14
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-7.70
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-7.57	-6.14	-6.93	-5.62	-6.45
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-8.01	-6.92	-7.12	-6.71	-7.21
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-7.05	-	-	-
2015	Nov	-5.37	-4.75	-4.65	-5.58	-4.78	-5.38	-5.32	-3.92	-4.71	-5.37	-5.45	-4.79	-8.31	-	-7.54	-6.98	-7.00
2016	Sep	-7.21	-6.82	-6.42	-7.52	-6.73	-7.47	-7.41	-5.77	-6.80	-7.19	-7.56	-6.53	-8.06	-6.82	-7.07	-6.61	-6.63
2017	Sep	-5.84	-5.13	-5.06	-6.22	-5.60	-6.23	-6.23	-4.49	-5.66	-5.88	-6.24	-5.23	-7.06	-5.48	-6.22	-5.29	-5.52

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		PZL0011	PZL0012	PZL0013	PZL0014	PZL0016	PZL0018	PZL0019	PZL0020	PZL0022	PZL0024	PZL0025	PZL0026	SWL0002	SWL0003	SWL0004	SWL0005	SWL0006
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT/MBFB	WT/MBFB	WT	WT	WT
Facility		Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-18.28	-18.18	-18.47	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-18.15	-18.02	-18.26	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-18.24	-18.12	-18.35	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-13.33	-	-	-	-	-	-	-	-	-11.39	-17.05	-16.90	-17.12	-	-
1993	Feb	-	-	-13.35	-	-	-	-	-	-	-	-	-11.47	-16.67	-16.49	-16.72	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-17.93	-17.81	-18.02	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-19.06	-16.73	-18.04	-17.92	-19.67
1993	May	-	-	-	-	-	-	-	-	-	-	-	-	-17.64	-17.51	-17.69	-17.29	-19.40
1993	Jun	-15.92	-17.81	-13.36	-14.73	-	-	-	-	-	-	-	-	-17.40	-17.41	-17.53	-16.61	-19.10
1993	Jul	-15.89	-17.89	-13.32	-14.73	-16.53	-	-	-	-	-	-	-	-17.43	-17.31	-17.49	-16.77	-19.15
1993	Aug	-	-	-13.36	-	-	-	-	-14.88	-	-	-	-	-17.16	-	-17.26	-	-
1993	Sep	-15.45	-17.64	-13.31	-14.57	-16.49	-17.70	-17.08	-14.96	-16.85	-	-	-	-17.16	-17.07	-17.27	-16.43	-18.68
1993	Nov	-	-	-	-	-	-	-	-	-	-16.46	-16.65	-	-17.05	-16.94	-17.14	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-16.24	-16.46	-	-17.07	-16.88	-17.16	-	-
1994	Jan	-14.64	-16.24	-13.58	-13.53	-15.36	-17.18	-16.18	-15.17	-16.42	-15.81	-9.31	-12.15	-15.98	-15.88	-16.06	-16.05	-17.35
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-15.91	-15.76	-15.93	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-15.83	-15.69	-15.88	-10.40	-
1994	Apr	-15.08	-17.25	-13.37	-	-16.12	-	-16.86	-15.24	-	-16.22	-16.91	-	-	-	-	-	-
1994	May	-	-	-	-14.02	-	-17.62	-	-	-16.42	-	-	-12.16	-16.78	-16.58	-16.79	-16.34	-18.22
1994	Jun	-	-	-	-	-15.97	-	-	-	-	-	-	-	-16.62	-16.50	-16.27	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-16.83	-	-
1994	Aug	-14.70	-17.03	-26.55	-13.52	-15.54	-	-16.25	-15.05	-	-15.87	-16.81	-	-16.14	-15.96	-16.15	-15.65	-17.60
1994	Sep	-	-	-	-	-	-	-	-	-16.39	-	-	-	-16.10	-	-16.12	-15.63	-
1994	Oct	-14.70	-17.15	-13.50	-13.59	-15.46	-16.98	-16.27	-14.96	-16.49	-16.25	-16.78	-12.12	-15.98	-16.52	-16.02	-15.67	-17.58
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-15.98	-15.90	-16.02	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-16.03	-	-16.07	-	-
1995	Jan	-13.46	-15.58	-13.02	-12.19	-14.34	-15.52	-14.32	-12.99	-16.27	-13.67	-14.65	-11.72	-14.86	-14.69	-15.00	-14.15	-16.27
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-14.92	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-14.62	-16.40	-13.62	-	-	-	-	-15.27	-	-	-	-12.41	-16.08	-15.84	-16.07	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-11.84	-15.66	-	-15.66	-	-
1995	Jun	-14.42	-16.01	-13.47	-12.82	-15.01	-15.11	-15.70	-14.32	-16.79	-16.16	-15.57	-12.11	-15.62	-15.46	-15.67	-14.34	-16.69
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-15.17	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-13.42	-15.25	-12.98	-12.45	-14.45	-14.85	-14.42	-12.70	-16.37	-7.98	-14.40	-11.75	-14.99	-14.80	-15.12	-13.70	-16.16
1995	Oct	-	-	-	-	-	-	-	-	-	-13.80	-	-	-	-	-15.07	-	-
1995	Nov	-13.67	-15.45	-13.19	-	-	-	-	-	-	-	-	-11.65	-14.96	-14.82	-14.98	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-14.87	-	-14.90	-	-
1996	Jan	-13.14	-13.55	-12.75	-11.47	-13.42	-17.30	-14.02	-13.23	-16.49	-13.92	-14.68	-11.63	-14.11	-14.03	-14.46	-14.19	-15.74
1996	Feb	-13.37	-13.07	-13.12	-11.88	-14.05	-15.38	-14.21	-12.81	-16.41	-16.84	-14.53	-11.70	-14.61	-7.05	-14.62	-13.91	-15.92
1996	May	-	-15.00	-	-	-	-	-	-	-	-13.82	-	-	-14.59	-14.45	-14.62	-	-
1996	Jun	-13.19	-15.10	-13.00	-11.64	-13.70	-14.89	-13.71	-12.91	-16.32	-13.65	-14.66	-11.56	-	-	-	-14.18	-15.76
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-14.11	-14.16	-14.33	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-14.07	-14.36	-14.35	-	-
1997	Jan	-13.26	-15.38	-12.86	-11.46	-13.44	-14.92	-13.80	-11.03	-16.41	-13.29	-14.40	-11.98	-14.18	-14.24	-14.73	-13.98	-15.93
1998	Feb	-12.77	-	-12.32	-10.12	-12.09	-13.26	-13.19	-12.24	-15.89	-11.82	-13.92	-11.18	-13.33	-13.08	-13.42	-11.42	-15.15
1999	Jan	-11.52	-	-11.42	-9.08	-	-13.57	-11.73	-11.19	-14.55	-11.08	-12.47	-10.51	-12.30	-12.05	-12.57	-12.50	-
1999	Feb	-	-	-	-	-11.51	-	-	-	-	-	-	-	-	-	-	-	-14.47
2000	Jun	-11.83	-	-12.60	-9.44	-11.56	-13.70	-	-12.01	-15.16	-	-13.22	-10.47	-12.07	-12.13	-	-17.35	-14.47
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-12.87	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-10.69	-11.21	-10.85	-9.17	-11.11	-12.71	-9.85	-11.43	-12.43	-	-12.34	-10.30	-11.69	-11.73	-11.95	-12.56	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-13.12
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-7.32	-8.85	-9.17	-6.32	-8.04	-8.78	-8.64	-8.42	-8.47	-	-9.18	-8.01	-8.58	-8.34	-8.61	-8.88	-9.75
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-4.83	-6.04	-6.31	-5.29	-6.43	-6.42	-6.09	-6.29	-6.32	-6.01	-6.54	-5.87	-6.61	-6.59	-6.69	-6.70	-7.53
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-6.80	-6.07	-6.51	-6.41	-7.06	-7.46	-7.44 (-5.79)	-7.20	-7.30	-7.03	-6.93	-6.03	-7.54	-7.41	-7.54	-7.13	-8.12
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-5.26	-5.87	-6.62	-6.12	-7.36	-7.37	-7.00 (6.94)	-7.20	-7.16	-6.92	-7.44	-6.36	-7.42	-7.42	-7.30	-7.39	-7.90
2016	Sep	-5.60	-6.61	-6.43	-6.10	-7.03	-6.89	40.73	-7.01	-6.61	-9.54	-10.34	-6.32	-7.16	-7.01	-7.16	-7.05	-8.06
2017	Sep	-5.43	-5.90	-5.78	-4.88	-5.71	-5.28	-8.64 (-1.79)	-5.89	-5.83	-8.41	-9.10	-5.61	-5.85	-5.79	-5.98	-6.03	-6.43

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		SWL0007	SWL0008	SWL0009	SWL0015	SWL0016	SWL0017	SWL0021	SWL0024	SWL0028	SWL0038	SWL0042	SWL0044	SWL0046	SWL0049	SWL0051	SWL0057
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT/MBFB	WT	WT
Facility		Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-15.90	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jun	-15.77	-14.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-15.51	-14.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-13.71	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-15.32	-14.68	-13.60	-19.22	-	-	-	-	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-19.38	-16.78	-16.39	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-16.74	-16.18	-20.09	-14.75	-	-	-	-	-	-	-	-
1994	Jan	-14.19	-14.96	-12.97	-18.42	-16.04	-15.29	-18.14	-17.64	-15.54	-13.27	-19.25	-	-	-	-	-
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-17.26	-	-	-	-	-	-	-	-
1994	Apr	-	-	-13.48	-	-	-	-	-18.81	-15.70	-	-	-	-	-	-	-
1994	May	-14.84	-15.04	-	-18.86	-16.69	-15.90	-18.58	-	-	-	-	-	-	-	-	-
1994	Jun	-	-	-	-	-16.48	-	-	-	-	-13.34	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-14.27	-14.91	-12.81	-18.08	-15.96	-15.25	-17.92	-17.30	-15.31	-13.08	-	-	-	-	-	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-14.20	-14.96	-12.87	-18.29	-15.82	-15.29	-17.87	-17.40	-15.39	-13.24	-19.00	-	-	-	-	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-13.04	-12.72	-10.42	-16.99	-14.80	-14.18	-16.77	-16.38	-13.35	-12.04	-17.96	-14.80	-15.01	-16.40	-12.41	-
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-11.90
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-15.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-13.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-13.84	-13.40	-10.40	-17.46	-14.81	-14.55	-17.08	-16.57	-14.70	-12.75	-18.36	-	-	-	-	-
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-13.42	-12.60	-9.91	-16.72	-14.37	-14.09	-16.53	-16.02	-13.54	-12.32	-17.52	-14.35	-	-	-	-
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-10.07	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-12.17	-13.11	-10.47	-16.62	-14.26	-13.42	-15.06	-16.18	-13.32	-11.34	-17.47	-14.67	-13.83	-15.50	-12.84	-12.10
1996	Feb	-12.82	-12.94	-10.44	-16.28	-16.47	-13.81	-16.14	-15.75	-13.38	-11.73	-17.12	-14.62	-14.62	-16.07	-14.30	-11.82
1996	May	-	-	-	-	-14.36	-	-	-	-	-	-	-	-	-	-13.64	-
1996	Jun	-12.48	-12.70	-10.22	-17.14	-12.92	-13.67	-16.35	-17.27	-13.16	-11.54	-17.52	-14.16	-14.62	-15.76	-12.74	-12.06
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-12.16	-13.28	-9.76	-17.07	-14.40	-13.74	-16.92	-16.42	-13.32	-11.39	-17.76	-13.94	-14.26	-15.68	-13.20	-11.95
1998	Feb	-11.11	-12.14	-8.20	-16.49	-13.62	-12.85	-14.30	-13.96	-13.05	-10.10	-17.52	-12.67	-13.98	-14.69	-12.92	-11.62
1999	Jan	-10.06	-11.14	-7.21	-15.42	-12.42	-	-15.26	-13.87	-10.81	-9.13	-15.98	-12.75	-12.96	-13.81	-11.26	-10.15
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-10.30	-11.86	-6.72	-15.44	-12.69	-11.99	-	-13.94	-10.96	-9.53	-	-12.93	-13.16	-13.71	-16.29	-10.88
2000	Jul	-	-	-	-	-	-	-14.33	-	-	-	-16.18	-	-	-	-11.94	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-14.33	-	-	-	-16.18	-	-	-	-11.94	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-10.14	-11.50	-7.71	-14.26	-12.19	-11.22	-14.15	-11.96	-11.07	-9.18	-15.01	-12.54	-12.08	-12.88	-11.58	-10.53
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-7.38	-8.40	-8.49	-10.05	-8.53	-8.00	-11.03	-9.30	-6.28	-6.67	-10.71	-7.22	-8.19	-9.91	-8.48	-7.60
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-5.68	-6.29	-4.41	-7.96	-5.98	-6.29	-7.91	-7.28	-8.09	-5.32	-8.31	-6.03	-4.64	-7.30	-6.17	-5.45
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-6.47	-7.24	-4.95	-8.37	-7.11	-7.04	-8.20	-7.76	-6.81	-6.11	-8.78	-6.93	-5.23	-8.05	-7.20	-6.68
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-6.78	-7.22	-5.12	-8.25	-7.16	-6.90	-8.28	-6.60	-6.14	-6.44	-18.29	-7.11	-5.54	-7.79	-7.19	-7.02
2016	Sep	-6.16	-8.11	-5.55	-8.10	-7.01	-6.83	-7.94	-8.50	-6.05	-6.12	-8.36	-6.65	-5.84	-7.75	-9.10	-6.23
2017	Sep	-5.14	-5.90	-4.68	-6.94	-5.29	-5.65	-6.90	-6.48	-4.85	-4.92	-7.17	-5.60	-4.84	-6.56	-7.90	-5.45

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		SWL0059	SWL0068	TMW_04	TMW_06	TMW_07	TMW_08	TMW_10	TMW_11	TMW_14	TMW_15	UBA-EW-1	UBE-01	UBE-02	UBE-03	UBE-04	UBE-05	UBI-01
HSU		WT	WT	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Facility		Del Amo	Del Amo	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1999	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-10.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-7.91	-	-	-	-	-	-	-	-	-	-	-9.42	-9.29	-9.53	-9.25	-	-9.41
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-3.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-4.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-4.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-6.24	-3.13	-	-	-	-	-	-	-	-	-	-7.32	-6.79	-7.40	-6.90	-7.09	-6.95
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-7.15	-3.32	-	-	-	-	-	-	-	-	-7.78	-	-	-	-	-	-
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-7.25	-3.33	-5.71	-5.56	-5.42	-5.36	-5.25	-5.23	-5.35	-5.20	-7.08	-7.72	-7.54	-7.88	-7.58	-7.77	-7.49
2016	Sep	-6.80	-3.50	-7.63	-7.57	-7.28	-7.22	-7.26	-7.49	-7.38	-7.12	-7.02	-7.55	-7.37	-7.67	-7.44	-7.64	-7.33
2017	Sep	-5.46	-2.05	-6.25	-6.30	-5.84	-5.77	-5.98	-6.10	-6.14	-5.93	-5.80	-6.21	-6.12	-6.33	-6.13	-5.51	-6.04

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		UBI-02	UBT-01	UBT-02	UBT-03	WCC_03S	WCC_04S	WCC_05S	WCC_07S	WCC_09S	WCC_12S	XP-02	XP-03	G-01WC	G-02WC
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Facility		Montrose	Montrose	Montrose	Montrose	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Del Amo	Del Amo	Del Amo	Del Amo
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-16.46	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-17.28	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-17.50	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-	-	-17.72	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-17.81	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-	-	-	-	-	-	-	-	-	-	-17.18	-	-	-
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	May	-	-	-	-	-	-	-	-	-	-	-17.73	-	-	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-	-	-	-	-	-	-16.88	-	-	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-	-	-	-	-	-	-16.97	-	-	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-	-	-	-	-	-	-	-	-	-	-15.62	-16.79	-16.77	-17.51
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-	-	-	-	-	-	-	-	-	-	-15.04	-16.74	-19.90	-17.13
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-	-	-	-	-	-	-15.50	-16.83	-15.75	-16.92
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-	-	-	-	-	-	-	-	-	-	-	-16.52	-26.33	-16.57
1996	Feb	-	-	-	-	-	-	-	-	-	-	-15.28	-16.07	-16.22	-16.49
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-	-	-	-	-	-	-	-	-	-	-15.01	-16.43	-16.50	-16.36
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-	-	-	-	-	-	-	-	-	-	-14.63	-16.32	-16.40	-16.61
1998	Feb	-	-	-	-	-	-	-	-	-	-	-12.95	-15.87	-15.87	-16.83
1999	Jan	-	-	-	-	-	-	-	-	-	-	-13.39	-15.10	-15.06	-15.04
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-	-	-	-	-	-	-	-	-	-	-13.59	-15.21	-15.21	-15.17
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-	-	-	-	-	-12.83	-14.39	-14.11	-13.93
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-9.40	-9.93	-9.54	-9.45	-	-	-	-	-	-	-9.34	-10.37	-10.16	-10.21
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-6.97	-7.38	-7.40	-7.41	-	-	-	-	-	-	-7.17	-8.37	-8.10	-8.11
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-	-7.95	-7.97	-7.95	-	-	-	-	-	-	-7.99	-8.80	-8.55	-8.60
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-7.45	-7.82	-7.83	-7.80	-4.98	-5.36	-5.04	-8.25	-5.31	-5.64	-8.01	-8.71	-8.47	-8.38
2016	Sep	-7.36	-7.67	-7.63	-7.61	-6.65	-6.86	-6.83	-11.22	-7.17	-7.28	-7.76	-8.10	-8.24	-8.19
2017	Sep	-7.09	-6.33	-6.30	-6.23	-5.25	-5.48	-5.37	-8.61	-5.68	-5.74	-6.41	-7.09	-7.18	-7.07

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		GW-07C	SWL0011	SWL0019	SWL0023	SWL0032	SWL0037	SWL0041	SWL0047	SWL0048	SWL0050
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	MBFB	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Facility		Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo
1989	Jan	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-16.80 (-16.70)	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-18.84	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-20.22	-19.64	-	-	-	-	-	-
1994	Jan	-18.46	-17.98	-19.60	-18.89	-16.18	-16.87	-19.22	-	-	-
1994	Feb	-	-	-	-	-15.74	-	-	-	-	-
1994	Mar	-	-	-	-	-16.14 (-15.76)	-	-	-	-	-
1994	Apr	-	-18.31	-	-19.17	-16.81 (-16.70)	-	-	-	-	-
1994	May	-	-	-19.83	-	-16.47 (-16.38)	-	-	-	-	-
1994	Jun	-	-	-	-	-16.31 (-16.19)	-16.77	-18.58	-	-	-
1994	Jul	-	-	-	-	-16.91 (-16.83)	-	-	-	-	-
1994	Aug	-18.05	-17.60	-19.08	-18.48	-16.14	-16.55	-18.67	-	-	-
1994	Sep	-	-	-	-	-16.06	-	-	-	-	-
1994	Oct	-17.22	-17.73	-19.30	-18.61	-16.00	-16.67	-18.79	-	-	-
1994	Nov	-	-	-	-	-16.07 (-16.04)	-	-	-	-	-
1994	Dec	-	-	-	-	-16.20 (-16.07)	-	-	-	-	-
1995	Jan	-18.05	-16.59	-18.20	-17.52	-15.90 (-14.73)	-15.52	-16.75	-15.32	-15.97	-16.39
1995	Feb	-	-	-	-	-15.94 (-14.73)	-	-	-	-	-
1995	Mar	-	-	-	-	-15.79 (-14.50)	-	-	-	-	-
1995	Apr	-	-	-	-	-15.87	-	-	-	-	-
1995	May	-	-	-	-	-16.08 (-15.57)	-	-	-	-	-
1995	Jun	-17.15	-16.79	-18.52	-17.61	-16.16 (-15.58)	-15.82	-17.64	-	-	-
1995	Jul	-	-	-	-	-15.76 (-14.99)	-	-	-	-	-
1995	Aug	-	-	-	-	-15.73 (-14.90)	-	-	-	-	-
1995	Sep	-17.79	-16.40	-18.08	-17.41	-15.70 (-14.82)	-15.48	-16.64	-	-	-
1995	Oct	-	-	-	-	-15.78 (-14.80)	-	-	-	-	-
1995	Nov	-	-	-	-	-15.77 (-14.70)	-	-	-3.47	-	-
1995	Dec	-	-	-	-	-15.86 (-14.72)	-	-	-	-	-
1996	Jan	-17.06	-16.37	-18.31	-17.47	-15.98 (-14.09)	-15.09	-16.43	-14.71	-15.48	-15.84
1996	Feb	-13.33	-15.87	-17.02	-16.58	-15.84 (-14.38)	-15.12	-16.18	-14.98	-15.55	-15.89
1996	May	-17.08	-	-	-	-15.84 (-14.37)	-	-	-	-	-
1996	Jun	-17.92	-16.25	-18.39	-17.27	-	-15.07	-16.35	-14.82	-15.44	-15.86
1996	Aug	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-
1997	Jan	-17.32	-16.14	-18.25	-17.44	-16.41 (-14.50)	-15.12	-16.24	-14.61	-15.47	-15.54
1998	Feb	-16.65	-15.67	-17.50	-16.71	-15.02 (-13.00)	-14.33	-15.70	-18.89	-14.65	-14.96
1999	Jan	-15.81	-15.00	-16.94	-16.19	-14.25 (-12.24)	-13.33	-14.94	-12.94	-13.54	-14.27
1999	Feb	-	-	-	-	-	-	-	-	-	-
2000	Jun	-16.89	-	-16.92	-	-14.36	-13.58	-15.06	-13.15	-13.96	-14.39
2000	Jul	-	-	-	-16.27	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-
2004	Jan	-14.52	-10.15	-15.46	-15.75	-13.98 (-11.58)	-12.73	-14.01	-12.39	-13.06	-13.50
2004	Feb	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-
2006	Sep	-11.07	-8.27	-11.13	-10.58	-10.73	-9.07	-9.93	-9.07	-9.65	-9.91
2006	Oct	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-
2012	Feb	-8.37	-6.38	-9.38	-8.79	-8.92 (-6.44)	-7.01	-8.04	-7.08	-7.34	-7.80
2012	Mar	-	-	-	-	-	-	-	-	-	-
2014	Sep	-8.74	-	-9.44	-9.12	-9.62 (-7.29)	-7.85	-8.36	-7.91	-8.44	-8.34
2015	Sep	-	-6.96	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-
2015	Nov	-8.27	-	-9.43	-9.15	-9.58 (-7.43)	-7.91	-8.49	-7.71	-8.83	-8.20
2016	Sep	-8.52	-6.53	-9.27	-9.08	-7.43 (-7.27)	-7.53	-8.34	-7.65	-7.97	-8.08
2017	Sep	-7.40	-5.37	-8.12	-7.78	-5.98 (-5.92)	-6.36	-7.15	-6.43	-6.44	-6.79

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		SWL0052	SWL0056	BF-32A	BF-33	BF-01	BF-02	BF-03	BF-04	BF-05	BF-06	BF-07	BF-09	BF-10	BF-11
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	WT/MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Facility		Del Amo	Del Amo	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose
1989	Jan	-	-	-	-	-	-	-	-	-19.81	-20.00	-19.80	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-19.66	-19.83	-19.63	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-22.14	-
1989	Oct	-	-	-	-	-	-	-	-	-20.52	-20.71	-20.58	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-20.62	-20.89	-20.76	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-20.14	-20.32	-20.16	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-18.78	-18.99	-19.02	-	-21.22	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-19.39	-19.55	-19.35	-	-21.93	-
1990	Nov	-	-	-	-	-	-	-	-	-19.04	-19.33	-19.04	-	-21.51	-
1990	Dec	-	-	-	-	-	-	-	-	-19.02	-19.17	-19.02	-	-21.52	-
1991	Apr	-	-	-	-	-	-	-	-	-19.24	-19.40	-19.37	-	-21.57	-
1991	Nov	-	-	-	-	-	-	-	-	-18.70	-18.87	-18.74	-	-21.15	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-	-17.44	-17.43	-18.09	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-18.92	-19.17	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-18.22	-	-18.96	-	-20.46	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-18.19	-	-	-20.33	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-	-	-	-	-17.01	-16.98	-16.91	-17.07	-17.33	-17.53	-17.71	-17.01	-19.02	-
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-	-	-	-	-	-17.42	-17.43	-18.05	-	-	-
1994	May	-	-	-	-	-	-17.22	-	-	-	-	-	-	-19.50	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-16.82	-16.94	-16.85	-16.96	-16.76	-16.79	-17.41	-16.83	-18.73	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-16.93	-16.94	-16.97	-16.92	-16.85	-16.84	-17.46	-16.96	-18.86	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-16.69	-	-	-53.01	-15.88	-16.12	-15.91	-16.00	-16.07	-16.33	-16.54	-15.73	-17.66	-52.45
1995	Feb	-	-17.31	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-	-	-	-	-16.46	-16.58	-16.48	-16.56	-16.57	-16.87	-17.10	-16.48	-17.98	-
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-16.04	-16.21	-16.12	-16.18	-16.12	-16.37	-16.57	-16.10	-17.53	-
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-16.49	-17.30	-	-	-14.86	-15.01	-14.96	-14.91	-15.44	-15.65	-15.76	-16.10	-17.39	-
1996	Feb	-15.87	-16.63	-	-	-15.27	-15.55	-15.47	-14.18	-23.38	-15.91	-16.10	-15.42	-16.66	-
1996	May	-	-	-	-	-	-	-	-	-22.51	-	-	-	-	-
1996	Jun	-16.40	-17.17	-	-	-15.04	-15.18	-15.10	-14.82	-15.44	-15.70	-15.84	-15.08	-	-
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-17.19	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-16.28	-17.08	-	-	-14.84	-15.00	-14.95	-15.05	-15.07	-15.71	-15.75	-10.59	-17.44	-
1998	Feb	-	-16.62	-	-	-13.66	-13.88	-13.84	-13.90	-14.50	-14.71	-14.86	-13.57	-16.60	-
1999	Jan	-15.12	-15.69	-	-	-12.84	-13.16	-13.11	-13.19	-13.56	-14.01	-14.15	-12.77	-15.95	-
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-	-15.96	-	-	-13.34	-13.60	-13.52	-13.60	-13.76	-14.02	-14.23	-13.31	-	-
2000	Jul	-15.23	-	-	-	-	-	-	-	-	-	-	-	-16.09	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-14.04	-14.75	-	-	-	-	-	-	-	-	-	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-12.60	-	-	-	-	-
2006	Sep	-9.94	-10.74	-8.71	-10.11	-	-9.47	-10.40	-9.66	-9.50	-9.63	-9.82	-9.31	-10.75	-11.66
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-8.12	-	-7.08	-8.23	-	-7.35	-7.54	-7.39	-7.48	-7.55	-7.75	-8.56	-8.65	-9.09
2012	Mar	-	-8.57	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-8.39	-8.97	-7.32	-8.07	-	-7.72	-8.12	-7.86	-8.18	-8.22	-8.16	-7.96	-9.04	-9.51
2015	Sep	-	-	-	-	-	-	-	-7.68	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	25.90	-8.92	-6.88	-7.73	-5.06	-7.68	-7.88	-	-7.92	-8.08	-7.97	-7.87	-8.79	-9.17
2016	Sep	-8.62	-8.72	-6.93	-7.88	-7.28	-7.35	-7.60	-7.47	-7.69	-7.79	-7.80	-7.52	-8.88	-9.36
2017	Sep	-7.78	-7.82	-5.88	-6.25	-5.88	-6.02	-6.27	-6.15	-7.41	-6.44	-6.54	-6.19	-7.68	-8.00

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		BF-12	BF-13	BF-14	BF-15	BF-16	BF-17	BF-19	BF-20	BF-21	BF-22	BF-23	BF-24
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	MBFC	Mer MBFB/MBFC	MBFC	MBFC	MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Facility		Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose
1989	Jan	-	-	-21.09	-20.80	-	-	-	-	-	-	-	-
1989	Feb	-	-21.37	-20.91	-20.67	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-23.42	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-20.38	-20.00	-	-	-22.57	-	-	-	-	-	-
1990	Feb	-	-	-	-19.92	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-23.21	-	-	-	-	-	-
1990	Aug	-	-21.06	-20.67	-20.37	-	-23.07	-	-	-	-	-	-
1990	Nov	-	-20.68	-20.27	-20.01	-	-22.68	-	-	-	-	-	-
1990	Dec	-	-20.68	-20.29	-20.03	-	-22.62	-	-	-	-	-	-
1991	Apr	-	-20.74	-20.35	-20.19	-	-22.56	-18.92	-18.88	-	-	-	-
1991	Nov	-	-20.24	-19.89	-19.33	-	-22.11	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-18.54	-18.53	-41.41	-	-	-17.42	-	-	-	-44.44	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-20.13	-	-	-	-	-	-	-	-	-	-
1993	May	-	-19.78	-	-20.05	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-19.67	-20.04	-	-	-18.19	-	-19.84	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-19.42	-19.48	-19.91	-	-	-18.13	-	-	-	-45.24	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-20.15	-18.21	-18.18	-18.55	-	-19.11	-16.88	-	-18.23	-	-18.06	-18.85
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-19.06	-	-	-17.39	-	-	-	-	-
1994	May	-20.60	-18.58	-18.74	-	-	-	-	-	-	-	-18.59	-19.38
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-19.89	-17.98	-17.99	-18.36	-	-18.86	-16.73	-	-17.99	-	-17.88	-18.68
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-20.03	-18.07	-18.13	-18.47	-	-18.93	-16.84	-	-18.08	-	-17.94	-18.73
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-18.87	-16.81	-16.89	-17.26	-53.82	-17.82	-15.71	-64.59	-17.04	-52.83	-16.72	-17.59
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-19.16	-17.11	-17.37	-17.81	-	-18.22	-16.14	-	-17.48	-	-17.20	-
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-18.73	-16.72	-16.88	-17.30	-	-17.74	-15.83	-	-17.10	-	-16.70	-17.49
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-18.62	-16.68	-16.35	-18.09	-	-17.49	-15.07	-	-16.23	-	-16.27	-17.02
1996	Feb	-17.81	-16.20	-16.38	-16.79	-	-17.08	-15.37	-	-16.63	-	-16.31	-17.44
1996	May	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-18.37	-16.50	-16.38	-16.70	-	-17.38	-15.07	-	-16.35	-	-16.23	-17.06
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-18.47	-16.70	-16.44	-16.72	-	-17.29	-14.81	-	-16.26	-	-16.35	-16.79
1998	Feb	-18.00	-15.72	-15.65	-15.94	-	-16.91	-14.06	-	-15.57	-	-15.57	-16.49
1999	Jan	-17.18	-15.11	-14.57	-14.95	-	-16.26	-13.21	-	-14.99	-	-	-15.65
1999	Feb	-	-	-	-	-	-	-	-	-	-	-14.86	-
2000	Jun	-	-	-14.92	-15.18	-	-	-13.35	-	-15.04	-	-14.80	-
2000	Jul	-	-15.23	-	-	-	-16.21	-	-	-	-	-	-15.78
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-	-	-	-	-	-13.84	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-12.27	-	-	-	-	-
2006	Sep	-11.85	-10.12	-10.24	-10.17	-11.54	-11.74	-9.03	-	-10.33	-11.43	-10.10	-10.92
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-10.50	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-10.10	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-9.53	-7.89	-8.10	-7.97	-8.79	-9.37	-7.23	-	-8.18	-8.73	-7.91	-8.55
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-9.82	-8.56	-8.54	-8.41	-9.11	-9.61	-8.16	-	-8.30	-9.02	-8.30	-8.98
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-9.55	-8.50	-8.38	-8.26	-8.99	-9.46	-7.78	-5.22	-8.21	-8.92	-8.42	-8.79
2016	Sep	-9.46	-8.34	-8.38	-8.15	-8.96	-9.41	-7.65	-7.51	-8.11	-8.73	-8.00	-9.59
2017	Sep	-8.32	-7.14	-7.18	-7.01	-7.81	-8.35	-6.29	-6.04	-6.70	-7.71	-6.96	-7.59

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		BF-25	BF-26	BF-27	BF-28	BF-29	BF-30	BF-31	BF-34	BF-35	BF-36	BF-EW-1	BF-EW-2
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	MBFC	Mer MBFB/MBFC	MBFC	MBFC	MBFC	Mer MBFB/MBFC	MBFC	Mer MBFB/MBFC
Facility		Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-	-	-	-	-18.31	-	-	-	-	-	-	-
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1994	May	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-18.08	-	-	-	-	-	-	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-18.12	-	-	-	-	-	-	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-43.39	-55.78	-43.88	-53.80	-17.16	-43.10	-54.72	-	-	-	-	-
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-	-	-	-	-17.60	-	-	-	-	-	-	-
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-17.30	-	-	-	-	-	-	-
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-	-	-	-	-16.30	-	-	-	-	-	-	-
1996	Feb	-	-	-	-	-16.76	-	-	-	-	-	-	-
1996	May	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-	-	-	-	-16.42	-	-	-	-	-	-	-
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-	-	-	-	-16.21	-	-	-	-	-	-	-
1998	Feb	-	-	-	-	-15.69	-	-	-	-	-	-	-
1999	Jan	-	-	-	-	-	-	-	-	-	-	-	-
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-	-	-	-	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-12.44	-12.96	-12.45	-48.92	-10.41	-11.42	-	-	-9.27	-13.55	-9.73	-8.59
2006	Oct	-	-	-	-	-	-	-10.13	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-9.72	-10.06	-9.66	-9.95	-8.56	-8.75	-8.40	-	-7.50	-10.73	-7.92	-6.21
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-9.80	-10.14	-9.88	-10.09	-8.64	-8.81	-8.33	-	-7.50	-10.95	-8.20	-9.15
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-9.74	-10.07	-10.23	-9.98	-8.28	-8.83	-8.18	-5.29	-7.96	-10.96	-7.91	-9.06
2016	Sep	-9.63	-9.95	-9.75	-9.97	-8.03	-8.61	-8.11	-7.61	-7.67	-10.87	-7.61	-8.90
2017	Sep	-8.76	-9.07	-8.62	-8.81	-6.91	-7.63	-6.58	-6.09	-6.28	-9.67	-6.32	25.74

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		BF-EW-3	BF-EW-4	BF-EW-5	BF-IW-1	BF-OW-1	BF-OW-3	BF-OW-4	CMW001	CMW002	CMW026	EWC001	EWC003	EWC004	EWC005	IRZCMW001
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC
Facility		Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1999	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-	-	-	-9.39	-	-10.86	-10.45	-	-	-	-	-	-	-	-
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-	-	-	-8.09	-	-8.47	-8.39	-	-	-	-	-	-	-	-
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-8.71	-9.44	-7.74	-7.60	-	-8.85	-8.55	-	-	-	-	-	-	-	-
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-8.42	-9.31	-7.51	-7.35	-5.00	-8.57	-8.35	-5.73	-5.55	-5.76	-5.49	-17.09	-5.84	-33.34	-5.79
2016	Sep	-8.19	-11.50	-7.10	-7.21	-7.14	-8.72	-8.23	-7.79	-7.77	-7.78	-7.04	-11.50	-7.81	-43.75	-7.80
2017	Sep	-6.97	-8.22	-5.70	-5.48	-5.53	-7.50	-6.86	-6.34	-6.32	-6.40	-5.53	-10.21	-6.35	-49.53	-6.46

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		IRZCMW002	IRZCMW003	IWC001	IWC003	IWC004	LBF-OW-3	MWC004	MWC006	MWC007	MWC009	MWC011	MWC015	MWC016	MWC017	MWC021	MWC022
HSU		MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC
Facility		Boeing	Boeing	Boeing	Boeing	Boeing	Montrose	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing	Boeing
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1999	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-	-	-	-	-	-12.09	-	-	-	-	-	-	-	-	-	-
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-	-	-	-	-	-10.16	-	-	-	-	-	-	-	-	-	-
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-5.71	-5.78	-5.69	-5.02	-5.57	-9.67	-6.10	-4.62	-4.78	-7.31	-5.14	-6.69	-5.82	-5.57	-5.76	-5.14
2016	Sep	-7.73	-7.77	-7.74	-6.97	-7.61	-9.66	-7.52	-6.64	-6.46	-8.12	-6.97	-8.63	-7.83	-7.66	-7.80	-6.75
2017	Sep	-6.35	-6.43	-6.45	-5.60	-6.24	-8.73	-6.10	-5.22	-5.10	-6.77	-5.52	-7.24	-6.53	-6.30	-6.48	-5.28

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		MWC023	MWC024	MWC025	MWC026	MWC027	SWL0010	SWL0013	SWL0018	SWL0027	SWL0033	SWL0035	SWL0040
HSU		MBFC	MBFC	MBFC	MBFC	MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Facility		Boeing	Boeing	Boeing	Boeing	Boeing	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-20.27	-	-	-
1993	Feb	-	-	-	-	-	-	-19.33	-17.91	-20.23	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-18.81	-18.82	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-18.25	-	-	-	-
1994	Jan	-	-	-	-	-	-17.91	-18.02	-17.66	-19.72	-17.88	-16.95	-17.79
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-	-	-18.19	-18.31	-	-20.08	-	-	-
1994	May	-	-	-	-	-	-	-	-18.08	-	-18.15	-	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-16.90	-18.13
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-	-17.41	-17.63	-17.38	-19.33	-17.68	-16.66	-17.94
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-	-17.63	-17.74	-17.43	-19.48	-17.72	-16.73	-18.03
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-	-	-	-	-	-16.47	-16.57	-16.28	-18.30	-16.54	-15.62	-16.89
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-	-	-	-	-	-16.60	-16.82	-16.77	-18.50	-17.02	-15.92	-16.85
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-	-16.31	-16.42	-16.57	-18.20	-16.49	-15.56	-16.76
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-	-	-	-	-	-16.53	-16.41	-15.91	-18.19	-15.99	-15.15	-16.59
1996	Feb	-	-	-	-	-	-15.63	-15.91	-15.79	-17.21	-16.06	-15.18	-16.29
1996	May	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-	-	-	-	-	-16.32	-16.28	-15.81	-17.99	-16.02	-15.17	-16.57
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-	-	-	-	-	-16.45	-16.37	-15.92	-17.93	-16.09	-15.17	-16.33
1998	Feb	-	-	-	-	-	-16.16	-15.76	-14.95	-17.40	-15.12	-14.43	-15.75
1999	Jan	-	-	-	-	-	-15.19	-15.08	-	-16.60	-14.40	-13.45	-15.08
1999	Feb	-	-	-	-	-	-	-	-14.27	-	-	-	-
2000	Jun	-	-	-	-	-	-15.15	-	-14.39	-16.77	-14.51	-13.68	-15.04
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-13.91	-12.55	-13.42	-15.37	-13.70	-12.78	-13.81
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-13.01	-	-	-12.18	-
2006	Sep	-	-	-	-	-	-9.67	-8.63	-9.84	-11.20	-9.94	-8.84	-10.18
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-9.60
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-9.81
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-	-	-	-	-	-8.22	-6.60	-7.67	-9.23	-	-7.04	-8.05
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-	-	-	-	-	-8.65	-7.19	-8.48	-	-	-7.62	-8.52
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-5.31	-5.69	-5.59	-5.89	-6.41	-8.56	-7.13	-7.45	-9.13	-8.08	-7.65	-8.57
2016	Sep	-6.92	-7.72	-7.19	-7.50	-8.11	-8.57	-8.18	-8.05	-9.12	-7.93	-7.54	-8.22
2017	Sep	-5.44	-6.40	-5.67	-6.23	-6.74	-7.42	-7.08	-6.72	-8.01	-6.64	-6.40	-7.13

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		SWL0053	SWL0054	SWL0055	SWL0058	SWL0060	SWL0061	SWL0064	SWL0065	EWG001	EWG002	G-01	G-02	G-03	G-04
HSU		Mer MBFB/MBFC	MBFC	Mer MBFB/MBFC	MBFC	Mer MBFB/MBFC	MBFC	MBFC	Mer MBFB/MBFC	Gage	Gage	Gage	Gage	Gage	Gage
Facility		Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Boeing	Boeing	Montrose	Montrose	Montrose	Montrose
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-20.22
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-20.08
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-20.83
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-20.89
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-20.48
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-19.41
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-19.84
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-19.53
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-19.51
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-20.51
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-19.52
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-19.73
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-	-	-	-	-	-	-	-	-	-	-16.92	-18.30	-18.04	-18.69
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	May	-	-	-	-	-	-	-	-	-	-	-	-	-17.82	-18.42
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-	-	-	-	-	-	-16.27	-17.65	-17.45	-17.92
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-	-	-	-	-	-	-16.56	-17.96	-17.72	-18.25
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-18.66
1995	Jan	-16.63	-15.42	-	-	-	-	-	-	-	-	-16.44	-16.96	-17.70	-17.21
1995	Feb	-	-	-16.17	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-	-	-	-	-	-	-	-	-	-	-16.80	-17.20	-17.04	-17.44
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-	-	-	-	-	-	-16.65	-17.12	-16.90	-16.55
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-16.42	-14.94	-15.76	-15.49	-	-	-	-	-	-	-12.95	-16.32	-13.93	-16.79
1996	Feb	-15.78	-15.22	-15.77	-15.71	-	-	-	-	-	-	-15.87	-16.41	-16.04	-16.73
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-16.33	-15.02	-15.76	-15.51	-	-	-	-	-	-	-15.66	-16.31	-15.85	-16.73
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-17.26	-15.03	-15.53	-15.60	-	-	-	-	-	-	-15.43	-16.22	-15.79	-16.32
1998	Feb	-15.75	-14.00	-15.00	-14.72	-	-	-	-	-	-	-14.46	-15.22	-14.87	-15.82
1999	Jan	-15.04	-13.15	-14.23	-13.83	-	-	-	-	-	-	-13.99	-14.70	-14.33	-15.22
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-15.11	-13.35	-14.35	-13.93	-	-	-	-	-	-	-14.58	-15.22	-14.88	-15.59
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-12.54	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-13.96	-	-13.44	-13.10	-	-	-	-	-	-	-	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-12.21	-	-12.70	-13.44	-12.12	-	-	-	-	-	-	-	-
2006	Sep	-9.85	-9.03	-9.86	-9.80	-9.82	-9.06	-9.50	-9.26	-	-	-9.82	-10.41	-10.03	-10.46
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-8.32	-7.23	-7.94	-5.48	-8.16	-7.29	-7.41	-6.91	-	-	-8.71	-9.22	-8.79	-9.30
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-8.20	-7.94	-8.38	-8.09	-8.46	-8.05	-8.05	-7.50	-	-	-9.03	-9.40	-8.93	-9.57
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-8.12	-7.96	-8.23	-7.92	-8.55	-7.93	-7.45	-7.28	-57.24	-10.58	-8.48	-9.06	-8.40	-9.18
2016	Sep	-8.54	-7.58	-8.00	-7.82	-8.27	-7.49	-7.78	-7.68	-62.78	-12.46	-8.02	-8.61	-8.11	-8.72
2017	Sep	-7.59	-6.28	-6.73	-6.56	19.66	-6.32	-6.34	-6.41	-72.94	-17.37	-6.80	-7.35	-6.81	-6.16

Note:
WT=Wate
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Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		G-05	G-06	G-08	G-09	G-12	G-13	G-14	G-15	G-16	G-17	G-18	G-19A	G-20	G-21	G-22	G-23	G-24
HSU		Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage
Facility		Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose
1989	Jan	-20.33	-20.21	-	-	-	-22.18	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-20.15	-20.03	-	-	-	-21.81	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-21.22	-23.15	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-20.99	-20.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-21.07	-20.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-20.59	-20.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-19.57	-19.63	-20.65	-22.43	-	-21.15	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-21.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-19.92	-19.79	-20.99	-22.96	-	-21.53	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-19.63	-19.51	-20.70	-22.62	-	-21.25	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-19.62	-19.53	-20.75	-22.61	-	-21.29	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-20.64	-20.61	-21.69	-23.22	-	-22.08	-20.13	-	-21.43	-21.66	-	-	-	-	-	-	-
1991	Nov	-19.63	-19.56	-20.73	-22.54	-	-21.25	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-18.32	-18.92	-19.53	-21.75	-	-20.05	-18.49	-	-	-19.51	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-20.87	-	-	-	-	-	-	-
1993	Jun	-19.16	-	-	-21.81	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-19.35	-19.96	-23.80	-21.86	-	-21.14	-	-	-20.72	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-18.74	-18.80	-19.43	-20.71	-20.03	-20.07	-18.40	-18.14	-19.54	-19.49	-20.91	-	-	-	-	-	-
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-18.19	-18.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	May	-	-18.60	-19.42	-	-19.91	-19.93	-18.33	-	-	-19.44	-20.91	-	-	-	-	-	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-18.03	-18.08	-18.65	-	-19.16	-19.16	-17.67	-17.56	-18.77	-18.71	-20.15	-	-	-	-	-	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-18.36	-18.41	-19.02	-20.28	-19.57	-19.56	-18.00	-17.85	-19.13	-19.09	-20.53	-	-	-	-	-	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-18.74	-18.77	-	-	-	-	-18.40	-	-	-	-	-	-	-	-	-	-
1995	Jan	-17.34	-17.45	-18.08	-19.31	-18.60	-18.59	-16.98	-16.87	-18.19	-18.13	-19.56	-	-	-	-	-	-
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-17.56	-17.58	-18.14	-19.18	-18.53	-18.57	-17.16	-17.23	-18.28	-18.10	-21.62	-	-	-	-	-	-
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-17.45	-17.44	-18.11	-19.24	-18.51	-18.55	-17.15	-19.68	-18.24	-18.12	-19.43	-	-	-	-	-	-
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-16.91	-	-16.25	-19.44	-18.48	-18.40	-16.48	-18.62	-17.73	-17.94	-19.66	-	-	-	-	-	-
1996	Feb	-16.83	-16.86	-17.52	-38.23	-17.97	-18.01	-16.42	-16.29	-17.66	-17.55	-18.76	-	-	-	-	-	-
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-16.84	-16.83	-17.66	-19.55	-18.29	-18.26	-16.41	-16.08	-17.71	-17.78	-19.35	-	-	-	-	-	-
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-16.70	44.99	-17.63	-19.14	-18.47	-18.29	-16.04	-15.83	-17.67	-17.75	-19.38	-	-	-	-	-	-
1998	Feb	-15.97	-15.95	-17.02	-18.65	-17.72	-17.66	-15.43	-15.07	-17.04	-17.05	-18.98	-	-	-	-	-	-
1999	Jan	-15.50	-15.57	-16.35	-18.09	-17.11	-17.03	-14.92	-14.65	-17.42	-16.60	-18.38	-	-	-	-	-	-
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-15.71	-15.78	-16.53	-18.20	-	-	-16.87	-15.05	-	-	-18.35	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-17.19	-	-	-16.59	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-17.19	-	-	-16.59	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-	-14.13	-	-	-	-	-	-	-	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-10.66	-10.63	-11.36	-12.15	-12.64	-11.57	-10.35	-10.08	-11.22	-11.15	-12.42	-11.99	-	-9.85	-12.17	-12.20	-10.99
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-9.25	-9.23	-9.79	-10.64	-10.19	-10.10	-9.12	-8.72	-9.69	-9.76	-10.66	-9.91	-	-9.20	-10.12	-9.98	-9.32
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-9.43	-9.38	-9.82	-10.66	-10.31	-10.10	-9.58	-8.73	-9.64	-9.80	-10.68	-10.42	-	-9.34	-10.26	-10.11	-9.12
2015	Sep	-	-	-	-	-9.82	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-9.00	-8.93	-9.35	-10.29	-	-9.68	-9.02	-8.48	-9.38	-9.75	-10.32	-10.01	-5.77	-8.78	-10.05	-9.89	-9.07
2016	Sep	-8.66	-8.56	-9.15	-10.11	-9.61	-9.39	-8.29	-8.04	-8.95	-9.19	-10.00	-9.68	-7.80	-8.42	-10.08	-9.66	-8.78
2017	Sep	-7.40	-7.52	-8.09	-9.02	-8.57	-8.40	-7.46	-8.74	-7.84	-8.53	-9.12	-8.73	-6.39	-7.26	-8.82	-8.58	-7.52

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		G-25	G-26	G-27	G-28	G-29	G-30	G-31	G-32	G-33	G-34	G-35	G-EW-1	G-EW-2	G-EW-3	G-IW-1	G-IW-2	G-IW-3
HSU		Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage
Facility		Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1999	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-9.95	-10.76	-11.91	-13.49	-14.31	-10.14	-16.75	-16.78	-9.78	-14.04	-	-10.90	-12.32	-10.95	-9.39	-12.10	-
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-8.31	-8.69	-9.57	-10.97	-12.34	-8.51	-14.62	-15.26	-8.38	-10.87	-9.95	-9.23	-10.15	-9.18	-8.36	-10.80	-
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-8.16	-8.57	-9.52	-10.86	-12.07	-8.14	-13.82	-14.40	-8.07	-10.72	-10.07	-9.40	-10.31	-9.11	-8.11	-11.11	-8.06
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-8.08	-8.55	-9.40	-10.49	-11.84	-7.74	-13.59	-14.31	-8.03	-10.54	-9.83	-9.26	-9.71	-8.44	-7.96	-10.36	-8.01
2016	Sep	-7.83	-8.38	-9.28	-10.57	-11.48	-7.80	-13.51	-13.94	-7.28	-10.47	-9.81	-8.73	-9.43	-7.98	-	-	-
2017	Sep	-6.43	-7.05	-8.21	-9.63	-10.72	-6.34	-12.88	-13.38	-6.19	-9.52	-8.75	-7.33	-8.32	-7.91	52.24	-7.99	49.19

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		G-IW-4	G-IW-5	G-IW-6	G-IW-7	G-OW-1	G-OW-3	G-OW-4	LG-01	LG-02	MWG001	MWG002	MWG003	MWG004	SWL0020	SWL0022	SWL0025
HSU		Gage	Gage	Gage	Gage	Gage	Gage	Gage	Lower Gage	Lower Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage
Facility		Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Boeing	Boeing	Boeing	Boeing	Del Amo	Del Amo	Del Amo
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-21.49	-20.41	-21.47
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-22.06	-21.09	-
1994	Jan	-	-	-	-	-	-	-	-18.30	-18.08	-	-	-	-	-21.74	-20.58	-21.83
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-20.24	-21.38
1994	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-21.39	-	-
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-	-	-	-	-	-	-	-17.60	-17.42	-	-	-	-	-20.58	-19.49	-20.55
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-	-	-	-	-	-	-	-17.97	-17.73	-	-	-	-	-21.15	-20.02	-21.16
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jan	-	-	-	-	-	-	-	-16.96	-16.77	-	-	-	-	-20.29	-18.95	-20.30
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-	-	-	-	-	-	-	-17.21	-17.06	-	-	-	-	-19.93	-18.87	-19.95
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-	-	-	-	-	-	-	-17.13	-16.91	-	-	-	-	-20.05	-18.96	-20.03
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-	-	-	-	-	-	-	-19.00	-16.00	-	-	-	-	-20.75	-19.34	-21.09
1996	Feb	-	-	-	-	-	-	-	-16.42	-16.18	-	-	-	-	-19.46	-18.52	-19.49
1996	May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-	-	-	-	-	-	-	-16.27	-15.96	-	-	-	-	-20.90	-19.19	-20.59
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-	-	-	-	-	-	-	-16.15	-15.87	-	-	-	-	-20.60	-19.16	-20.92
1998	Feb	-	-	-	-	-	-	-	-15.21	-14.90	-	-	-	-	-19.99	-18.70	-20.30
1999	Jan	-	-	-	-	-	-	-	-14.76	-14.43	-	-	-	-	-19.60	-18.09	-19.89
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-	-	-	-	-	-	-	-15.23	-14.93	-	-	-	-	-	-	-19.31
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-17.85	-16.62	-17.64
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-	-	-	-	-	-12.09	-11.03	-10.28	-	-	-	-	-	-	-12.06	-12.53
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-10.31	-	-	-	-	-	-	-
2007	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-	-	-	-	-	-10.24	-9.19	-9.03	-8.82	-	-	-	-	-11.78	-10.94	-10.89
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-10.90	-10.91	-	-8.10	-	-10.19	-9.18	-9.23	-9.14	-	-	-	-	-11.47	-10.93	-10.96
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-10.54	-11.10	-10.77	-8.05	-5.19	-9.75	-8.72	-8.53	-8.54	-6.31	-7.14	-6.02	-6.29	26.20	-10.57	-10.79
2016	Sep	-	-	-	-	-7.23	-9.67	-8.67	-8.17	-8.23	-8.19	-9.01	-7.83	-8.16	-10.98	-10.00	-10.61
2017	Sep	-34.53	-10.88	-9.86	52.05	-5.65	-8.75	-7.48	-6.97	-6.97	-6.91	-7.73	-6.55	-6.89	-10.07	-9.13	-9.41

Note:
WT=Wate
Mer = Mer

Appendix F
Historical Water Level Summary Table
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Location		SWL0026	SWL0034	SWL0036	SWL0063	SWL0066	LW-01	LW-02	LW-03	LW-04	LW-05	LW-06	LW-07
HSU		Gage	Gage	Gage	Gage	Gage	Lynwood	Lynwood	Lynwood	Lynwood	Lynwood	Lynwood	Lynwood
Facility		Del Amo	Del Amo	Del Amo	Del Amo	Del Amo	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose	Montrose
1989	Jan	-	-	-	-	-	-	-	-	-	-	-	-
1989	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1989	May	-	-	-	-	-	-	-	-30.15	-	-	-	-
1989	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1989	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1989	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1990	Jan	-	-	-	-	-	-	-	-30.58	-	-	-	-
1990	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1990	Apr	-	-	-	-	-	-	-	-30.10	-	-	-	-
1990	Aug	-	-	-	-	-	-	-	-29.85	-	-	-	-
1990	Nov	-	-	-	-	-	-	-	-30.32	-	-	-	-
1990	Dec	-	-	-	-	-	-	-	-30.72	-	-	-	-
1991	Apr	-	-	-	-	-	-	-	-32.91	-	-	-	-
1991	Nov	-	-	-	-	-	-	-	-31.48	-	-	-	-
1992	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1992	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1992	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1992	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jan	-21.42	-	-	-	-	-	-	-	-	-	-	-
1993	Feb	-21.17	-	-	-	-	-	-	-	-	-	-	-
1993	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1993	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1993	May	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jun	-	-	-	-	-	-	-	-	-	-	-	-
1993	Jul	-	-	-	-	-	-	-	-30.22	-	-	-	-
1993	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1993	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1993	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1993	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jan	-21.14	-19.57	-10.61	-	-	-31.12	-31.01	-30.88	-30.88	-30.93	-30.89	-30.91
1994	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1994	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1994	Apr	-21.06	-	-	-	-	-	-	-	-	-	-	-
1994	May	-	-19.52	-	-	-	-	-	-	-	-	-	-27.25
1994	Jun	-	-	-	-	-	-	-	-	-	-	-	-
1994	Jul	-	-	-	-	-	-	-	-	-	-	-	-
1994	Aug	-20.27	-18.81	-18.90	-	-	-	-	-	-	-	-	-
1994	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1994	Oct	-20.70	-19.16	-19.51	-	-	-	-	-	-	-	-	-
1994	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1994	Dec	-	-	-	-	-	-	-31.18	-30.92	-30.94	-	-	-
1995	Jan	-19.72	-18.18	-18.45	-	-	-28.56	-28.62	-28.25	-28.41	-28.27	-28.26	-28.29
1995	Feb	-	-	-	-	-	-	-	-	-	-	-	-
1995	Mar	-	-	-	-	-	-	-	-	-	-	-	-
1995	Apr	-	-	-	-	-	-	-	-	-	-	-	-
1995	May	-	-	-	-	-	-	-	-	-	-	-	-
1995	Jun	-19.51	-18.21	-18.31	-	-	-26.19	-26.19	-25.95	-25.92	-26.03	-25.97	-25.97
1995	Jul	-	-	-	-	-	-	-	-	-	-	-	-
1995	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1995	Sep	-19.63	-18.20	-18.52	-	-	-28.45	-28.41	-27.21	-28.19	-28.24	-28.19	-28.21
1995	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1995	Nov	-	-	-	-	-	-	-	-	-	-	-	-
1995	Dec	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jan	-19.95	-17.94	-18.61	-	-	-31.69	-31.82	-31.47	-31.63	-31.40	-31.40	-31.47
1996	Feb	-18.94	-17.64	-17.88	-	-	-28.09	-28.20	-27.84	-28.00	-27.84	-27.86	-27.88
1996	May	-	-	-	-	-	-	-	-	-	-	-	-
1996	Jun	-19.65	-17.88	-18.32	-	-	-30.40	-30.45	-30.18	-30.34	-30.10	-27.88	-30.19
1996	Aug	-	-	-	-	-	-	-	-	-	-	-	-
1996	Sep	-	-	-	-	-	-	-	-	-	-	-	-
1996	Oct	-	-	-	-	-	-	-	-	-	-	-	-
1997	Jan	-19.73	-17.82	-18.43	-	-	-31.14	-31.36	-30.86	-31.11	-30.83	-30.92	-30.94
1998	Feb	-19.23	-17.08	-17.70	-	-	-30.84	-31.20	-30.55	-30.92	-30.48	-30.58	-30.60
1999	Jan	-18.65	-16.67	-17.21	-	-	-31.27	-31.49	-31.00	-31.29	-30.92	-31.02	-31.03
1999	Feb	-	-	-	-	-	-	-	-	-	-	-	-
2000	Jun	-18.67	-16.75	-17.44	-	-	-29.90	-29.98	-29.71	-29.73	-28.86	-29.69	-29.67
2000	Jul	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-
2000	Aug	-	-	-	-	-	-	-	-	-	-	-	-
2001	Jan	-	-	-	-	-	-	-	-	-	-	-	-
2004	Jan	-17.04	-	-16.17	-	-	-	-	-	-	-	-	-
2004	Feb	-	-	-	-	-	-	-	-	-	-	-	-
2004	Aug	-	-	-	-	-	-	-	-	-	-	-	-
2006	Sep	-12.48	-11.38	-11.81	-11.06	-10.55	-20.13	-20.28	-20.20	-20.13	-20.00	-20.08	-20.03
2006	Oct	-	-	-	-	-	-	-	-	-	-	-	-
2006	Dec	-	-	-	-	-	-	-	-	-	-	-	-
2007	Oct	-	-	-	-10.75	-	-	-	-	-	-	-	-
2008	Feb	-	-	-	-9.96	-	-	-	-	-	-	-	-
2008	Jun	-	-	-	-10.19	-	-	-	-	-	-	-	-
2008	Nov	-	-	-	-9.95	-	-	-	-	-	-	-	-
2009	Nov	-	-	-	-	-	-	-	-	-	-	-	-
2009	Dec	-	-	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-	-	-
2012	Feb	-	-	-10.53	-9.81	-9.43	-20.33	-20.46	-20.55	-20.29	-20.39	-20.39	-20.24
2012	Mar	-	-	-	-	-	-	-	-	-	-	-	-
2014	Sep	-10.78	-	-10.70	-10.12	-9.79	-19.02	-19.03	-19.22	-19.01	-18.98	-18.95	-18.86
2015	Sep	-	-	-	-	-	-	-	-	-	-	-	-
2015	Oct	-	-	-	-	-	-	-	-	-	-	-	-
2015	Nov	-10.55	-9.42	-10.56	-9.71	-9.56	-17.11	-17.40	-17.35	-17.25	-17.30	-17.26	-17.12
2016	Sep	-9.72	-8.93	-9.70	-9.26	-8.82	-16.20	-16.46	-16.35	-16.34	-16.33	-16.32	-16.15
2017	Sep	-9.21	-8.03	-8.77	-8.23	-7.84	-16.83	-15.11	-17.12	-16.97	-16.82	-16.99	-16.80

Note:
WT=Wate
Mer = Mer

Appendix G

Historical Analytical Summary Data

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001	PZL0001
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Tert-Butyl Alcohol (TBA)	Acetone	Benzene	Benzene	Bromodichloromethane	Bromodichloromethane	Chloroform	Chloroform	Chloromethane	Cyclohexane	Dichlordifluoromethane	Ethylbenzene	Ethylbenzene	Methyl Tert-butyl ether (MTBE)	Styrene	Styrene	Toluene	Toluene	1,1,2-Trichloro-1,2,2-Trifluoroethane	
Method		8240/60	8240/60	602T	8240/60	601T	8240/60	601T	8240/60	8240/60	8240/60	8240/60	602T	8240/60	8240/60	8020T	8240/60	602T	8240/60	8240/60	
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	34	--	<0.50U|	--	0.60	--	--	--	--	<0.50U|	--	--	16	--	5.6	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	<10	--	52	--	<0.50	--	<0.50	<1.0	<10	<5.0	--	<1.0	--	--	<1.0	--	<1.0	<2.0	
1994	Apr	--	<10	--	68	--	<0.50	--	<0.50	<1.0	<10	19	--	3.2	--	--	<1.0	--	1.5	<2.0	
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	<10	--	11	--	1.2	--	<0.50	<1.0	<10	7.6	--	<1.0	--	--	<1.0	--	<1.0	<2.0	
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<10	--	4.0	--	<0.50	--	<0.50	<1.0	<10	9.1	--	<1.0	--	--	<1.0	--	<1.0	<2.0	
1995	Mar	--	<10	--	6.3	--	<0.50	--	<0.50	<1.0	<10	15	--	<1.0	--	--	<1.0	--	<1.0	<2.0	
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	<10	--	<0.50	--	<0.50	--	0.62	<1.0	<10	<5.0	--	<1.0	--	--	<1.0	--	<1.0	<2.0	
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<13UJbs|	--	63Js|	--	<0.50UJs|	--	<0.50UJs|	<1.0UJs|	15Js|	16Js|	--	6.4Js|	--	--	<1.0UJs|	--	<1.0UJs|	<2.0UJs|
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<10	--	1.1	--	<0.50	--	<0.50	<1.0	<10	9.0JI|	--	<1.0	--	--	<1.0	--	<1.0	<2.0	
1996	Jun	--	<10UJs|	--	6.6Js|	--	<0.50UJs|	--	<0.50UJs|	<1.0UJs|	<10UJs|	7.7Js|	--	<1.0UJs|	--	--	<1.0UJs|	--	<1.0UJs|	<2.0UJs|
1996	Oct	--	<10	--	22	--	<0.50	--	<0.50	7.3	<10	17	--	1.4	--	--	<1.0	--	<1.0	<2.0	
1997	Jan	--	<10	--	<0.50	--	<0.50	--	<0.50	<1.0	<10	5.1	--	<1.0	--	--	<1.0	--	<1.0	<2.0	
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	<10	--	0.79Jt|J	--	0.39Jt|J	--	<1.0	<2.0JJI|	<10	7.4	--	<1.0	--	--	<1.0	--	<1.0	<1.0	
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<2.0	--	0.64Jt|J	--	<1.0	--	<1.0	<1.0	<2.0	7.9	--	<1.0	--	--	<1.0	--	<1.0	0.37Jt|J	
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	<10	--	1.1	--	<1.0	--	<1.0	<2.0	--	6.9	--	<1.0	--	--	<1.0	--	<1.0	<1.0	
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	38	--	2.6	--	<1.0	--	<1.0	<10	--	8.3	--	2.4	0.72|J	--	<1.0	--	<1.0	--	
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	<50	--	0.28|J	--	<1.0	--	<1.0	<10	--	3.0	--	0.38|J	<1.0	--	<1.0	--	<1.0	<10	
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	51	<20	--	<0.50	--	<1.0	--	<1.0	<10	<10	5.3	--	<1.0	<1.0	--	<1.0	--	<1.0	<10	
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	9.6|J	<20	--	<0.50	--	<1.0	--	<1.0	<10	<10	2.9	--	<1.0	<1.0	--	<1.0	--	<1.0	<10	
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	14	<20	--	<0.50	--	<1.0	--	<1.0	<10	<10	4.4	--	<1.0	<1.0	--	<1.0	--	<1.0	<10	
2016	Sep	47	<20	--	<0.50	--	<1.0	--	<1.0	<10	<10	3.6	--	<1.0	<1.0	--	<1.0	--	<1.0	<10	
2017	Sep	65	<20	--	<0.50	--	<1.0	--	<1.0	<10	<10	4.3	--	<1.0	<1.0	--	<1.0	--	<1.0	<10	

Note:
WT=Water Table
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0001	PZL0001	PZL0001	PZL0001	PZL0003	PZL0003	PZL0003	PZL0003	PZL0003	PZL0003	PZL0003	PZL0003	PZL0003	PZL0003	PZL0003	PZL0003	PZL0003	PZL0003	PZL0004	PZL0004
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Trichloroethene	Trichloroethene	Xylenes (Total)	Xylenes (Total)	Benzene	Benzene	2-Butanone	Chloroform	Chloroform	Methylene Chloride	Methylene Chloride	1,1,2,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Tetrachloroethene	1,2,4-Trichlorobenzene	Trichloroethene	Trichloroethene	Acetone	Benzene
Method		601T	8240/60	602T	8240/60	602T	8240/60	8240/60	601T	8240/60	601T	8240/60	601T	8240/60	601T	8240/60	8240/60	601T	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	<0.50U|	--	1.5	--	<0.50U|	--	--	2.0	--	<0.50U|	--	<0.50U|	--	0.90	--	--	3.7	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	<1.0	--	<1.0	--	2.0	<5.0	--	<0.50	--	1.8	--	<0.50	--	<1.0	--	--	1.2	<10	<0.50
1994	Apr	--	<1.0	--	<1.0	--	<0.50	<5.0	--	<0.50	--	<1.0	--	<0.50	--	<1.0	--	--	<1.0	<10	<0.50
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	<1.0	--	<1.0	--	<0.50	<5.0	--	<0.50	--	<1.0	--	<0.50	--	<1.0	--	--	1.6	<10	<0.50
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<1.0	--	<1.0	--	<0.50	<5.0	--	<0.50	--	<1.0	--	0.59	--	<1.0	--	--	<1.0	<10	<0.50
1995	Mar	--	<1.0	--	<1.0	--	<0.50	<5.0	--	<0.50	--	<1.0	--	<0.50	--	<1.0	--	--	<1.0	<10	<0.50
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	<1.0	--	<1.0	--	<0.50	<5.0	--	<0.50	--	<1.0	--	<0.50	--	<1.0	--	--	<1.0	<10	<0.50
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<1.0UJs|	--	<1.0UJs|	--	6.0	5.0	--	<0.50	--	<1.0	--	<0.50	--	<1.0	--	--	<1.0	<10	<0.50
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<1.0	--	<1.0	--	<0.50	<5.0	--	<0.50	--	<1.0	--	<0.50	--	<1.0	--	--	<1.0	<10	<0.50
1996	Jun	--	<1.0UJs|	--	<1.0UJs|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	<1.0	--	<1.0	--	<0.50	<5.0	--	<0.50	--	<1.0	--	<0.50	--	<1.0	--	--	<1.0	<10	<0.50
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	<1.0	<10	--	0.42Jt|J	--	<5.0	--	<1.0	--	0.37Jt|J	<1.0	--	0.58Jt|J	<10	<1.0
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<1.0	--	<1.0	--	<1.0	<2.0	--	0.75Jt|J	--	<1.0	--	<1.0	--	0.68Jt|J	<1.0	--	1.1	<2.0	<1.0
2000	Jul	--	--	--	--	--	<1.0	22	--	<1.0	--	<1.0	--	<1.0	--	0.81|J	--	--	1.7	--	--
2000	Aug	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	<1.0
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	0.76|J	--	<1.0	--	<0.50	<10UJc|	--	1.1	--	<10	--	<1.0	--	1.2	0.33|J	--	2.3	<10	0.97
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	<1.0	--	--	--	<0.50	<10	--	3.1	--	<10	--	<1.0	--	1.3	<1.0	--	1.8	7.3|J	<0.50
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0004	PZL0004	PZL0004	PZL0004	PZL0005	PZL0005	PZL0005	PZL0005	PZL0005	PZL0005	PZL0005	PZL0005	PZL0005	PZL0005	PZL0005	PZL0005	PZL0005	PZL0005	PZL0005	PZL0006
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Bromodichloromethane	Chloroform	1,1-Dichloroethene	Tetrachloroethene	Benzene	Benzene	n-Butylbenzene	sec-Butylbenzene	1,2-Dichloroethane	1,2-Dichloroethane	Ethylbenzene	Ethylbenzene	2-Hexanone	Isopropylbenzene	n-Propylbenzene	Styrene	Styrene	Toluene	Toluene	m,p-Xylene	Benzene
Method		8240/60	8240/60	8240/60	8240/60	602T	8240/60	8240/60	8240/60	601T	8240/60	602T	8240/60	8240/60	8240/60	8240/60	8020T	8240/60	602T	8240/60	8240/60	602T
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	<0.50U|	--	--	--	<0.50U|	--	<0.50U|	--	--	--	--	<0.50U|	--	<0.50U|	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	31
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	<0.50	0.69	<0.50	3.8	--	<0.50	--	<1.0	--	<0.50	--	<1.0	<5.0	<1.0	<1.0	--	<1.0	--	1.1	--	--
1994	Apr	<0.50	0.74	<0.50	4.0	--	<0.50	--	<1.0	--	<0.50	--	<1.0	<5.0	<1.0	<1.0	--	<1.0	--	<1.0	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<0.50	0.59	<0.50	3.5	--	<0.50	--	--	--	<0.50	--	<1.0	<5.0	--	--	--	<1.0	--	<1.0	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<0.50	0.90	<0.50	3.7	--	<0.50	--	<1.0	--	<0.50	--	<1.0	<5.0	<1.0	<1.0	--	<1.0	--	<1.0	--	--
1995	Mar	<0.50	<0.50	<0.50	3.5	--	<0.50	--	<1.0	--	<0.50	--	<1.0	<5.0	<1.0	<1.0	--	<1.0	--	<1.0	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<0.50	0.68	<0.50	3.5	--	<0.50	--	<1.0	--	<0.50	--	<1.0	<5.0	<1.0	<1.0	--	<1.0	--	<1.0	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<0.50	<0.50	<0.50	3.7	--	<0.50	--	<1.0	--	<0.50	--	<1.0	<5.0	<1.0	<1.0	--	<1.0	--	<1.0	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<0.50	<0.50	<0.50	3.2	--	<0.50	--	<1.0	--	<0.50	--	<1.0	<5.0	<1.0	<1.0	--	<1.0	--	<1.0	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	<0.50	<0.50	<0.50	2.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<1.0	0.77Jt|J	0.45Jt|J	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<1.0	0.68Jt|J	0.82Jt|J	3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	<1.0	0.63|J	0.58|J	2.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<1.0	0.81|J	<1.0	<1.4Uy|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	0.68|J	4.7	<1.0	0.74|J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	17	1.5	4.0	--	0.65	--	780	24	9.2	5.5	--	1.1	--	2.3	2.8	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006	PZL0006
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Benzene	sec-Butylbenzene	Cyclohexane	1,1-Dichloroethene	1,1-Dichloroethene	1,1-Dichloroethene	c-1,2-Dichloroethene	c-1,2-Dichloroethene	Ethylbenzene	Ethylbenzene	Naphthalene	Naphthalene	Styrene	Styrene	Tetrachloroethene	Tetrachloroethene	Tetrachloroethene	Toluene	Toluene	Trichloroethene	Trichloroethene
Method		8240/60	8240/60	8240/60	601T	8010/21	8240/60	8010/21	8240/60	602T	8240/60	8240/60	8270	8020T	8240/60	601T	8010/21	8240/60	602T	8240/60	601T	8010/21
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	46	--	--	<0.50U|	--	<3.0U|	--	<5.0U|	410	490	--	--	13	14	22	--	45	6.9	8.0	6.3	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	900	<20	<200	--	<0.50	<10	<0.50	<20	--	2,300	72	48	--	<20	--	31	<20	--	33	--	23
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	420	<30	<300	--	<5.0	<20	<5.0	<30	--	3,200	49	41	--	<30	--	23	<30	--	30	--	19
1996	Jun	97	<5.0	24	--	--	<3.0	--	<5.0	--	950	26	--	--	<5.0	--	--	16	--	<5.0	--	--
1996	Oct	23	<10	<100	--	--	<5.0	--	<10	--	1,500	<18Ub|	--	--	<10	--	--	21	--	<10	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	61	<10	<100	--	--	<5.0	--	<10	--	1,500	17	--	--	<10	--	--	18	--	<10	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	16	--	29Jt|J	--	--	<5.0	--	7.0	--	230	2.8Jt|J	--	--	<5.0	--	--	8.6	--	1.7Jt|J	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	5.9Jt|J	--	<20	--	--	<10	--	8.6Jt|J	--	250	3.7Jt|J	--	--	<10	--	--	5.8Jt|J	--	<10	--	--
2000	Jul	7.6	1.7|J	--	--	--	1.1|J	--	11	--	340	2.7|J	--	--	<5.0	--	--	4.8|J	--	<5.0	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	6.9	1.5|J	--	--	--	<2.0	--	8.6	--	260	3.7|J	--	--	<2.0	--	--	4.8	--	<2.0	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	<2.1Ux|	0.93|J	--	--	--	1.2	--	4.7	--	<1.0	<10	--	--	<1.0	--	--	2.6	--	<1.0	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	0.18|J	<1.0	<10	--	--	<1.0	--	1.1	--	<1.0	<10	--	--	<1.0	--	--	<1.0	--	<1.0	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<0.50	<1.0	<10	--	--	<1.0	--	1.1	--	<1.0	<10	--	--	<1.0	--	--	<1.0	--	<1.0	--	--
2016	Sep	0.17|J	<1.0	<10	--	--	<1.0	--	1.6	--	<1.0	<10	--	--	<1.0	--	--	<1.0	--	<1.0	--	--
2017	Sep	<0.50	<1.0	<10	--	--	<1.0	--	2.0	--	<1.0	<10	--	--	<1.0	--	--	<1.0	--	<1.0	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0006	PZL0006	PZL0006	PZL0006	PZL0007	PZL0007	PZL0007	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	TBA	VOCs	VOCs	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Trichloroethene	m,p-Xylene	Xylenes (Total)	Xylenes (Total)	Tert-Butyl Alcohol (TBA)	Carbon Disulfide	Methyl Tert-butyl ether (MTBE)	N-Nitrosodiphenylamine	N-Nitrosodiphenylamine	Acetone	Benzene	Benzene	n-Butylbenzene	sec-Butylbenzene	Chlorobenzene	Chlorobenzene	Chlorobenzene	Chloroform	Chloroform	Chloroform
Method		8240/60	8240/60	602T	8240/60	8240/60	8240/60	8240/60	1625M	8270	8240/60	8020T	8240/60	8240/60	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	18	--	<5.0U|	36J|	--	--	--	--	--	--	1,200	--	--	--	<0.50U|	--	--	<0.50U|	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	<2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	<2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	<2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	<2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	<2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<20	--	--	<20	--	<2.0	--	--	<5.0	<100	--	940	--	<10	--	<0.50	<10	--	<0.50	<5.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<30	--	--	<30	--	<2.0	--	--	<5.0	<300	--	980	--	<30	--	<2.0	<30	--	<2.0	<20
1996	Jun	13	--	--	<5.0	--	--	--	--	--	<100	--	1,000	--	<10	--	--	<10	--	--	<5.0
1996	Oct	<10	--	--	<10	--	--	--	--	--	<500	--	9,000	--	<50	--	--	<50	--	--	<30
1997	Jan	--	--	--	--	--	<2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	<10	--	--	<10	--	--	--	--	--	<100	--	1,200	--	<10	--	--	<10	--	--	<5.0
1998	Feb	--	--	--	--	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	4.6Jt|J	--	--	<5.0	--	--	--	--	--	<250	--	550	--	--	--	--	<25	--	--	<25
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<10	--	--	<10	--	<2.0	--	--	--	<200	--	680	--	--	--	--	<100	--	--	<100
2000	Jul	3.9|J	--	--	<5.0	--	<1.0	--	0.012|J	--	<100	--	290	--	13	--	--	<10	--	--	<10
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	3.6	--	--	3.2	--	<10	<1.0	--	--	4.7|J	--	170	1.8	12	--	--	<1.0	--	--	1.3
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	2.8	0.79|J	--	--	--	<10	<1.0	--	--	7.3|J	--	72Jm|	2.1	14	--	--	<1.0	--	--	0.51|J
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	<1.0	--	--	--	<10	0.40|J	--	--	<20	--	11	<1.0	21	--	--	0.27|J	--	--	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	<20	--	9.1	<1.0	19	--	--	0.27|J	--	--	<1.0
2015	Oct	<1.0	<1.0	--	--	--	0.41|J	0.82|J	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	<1.0	<1.0	--	--	<10	<10	1.6	--	--	<20	--	6.2	2.0	14	--	--	0.24|J	--	--	<1.0
2017	Sep	0.50|J	<1.0	--	--	<10	<10	1.3	--	--	<20	--	240	11	22	--	--	0.41|J	--	--	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Chloromethane	Chloromethane	Cyclohexane	1,2-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	c-1,2-Dichloroethene	c-1,2-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	Ethylbenzene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Styrene	Styrene	Tetrachloroethene
Method		8010/21	8240/60	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	8020T	8240/60	8240/60	8240/60	8240/60	8020T	8240/60	601T
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	<0.50U|	--	--	<0.50U|	--	--	<0.50U|	--	--	450	--	--	--	--	23	--	10
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<0.50	<10	1,800	--	<0.50	<5.0	--	<0.50	<10	--	<0.50	<10	--	270	<10	<10	<10	--	<10	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<2.0	<30	2,100	--	<2.0	<20	--	<2.0	<30	--	<2.0	<30	--	720	<30	44	<30	--	<30	--
1996	Jun	--	<10	1,900	--	--	<5.0	--	--	<10	--	--	<10	--	680	15	<10	<10	--	<10	--
1996	Oct	--	81	5,400	--	--	<30	--	--	<50	--	--	<50	--	2,600	<50	<50	<50	--	<50	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<10	2,400	--	--	<5.0	--	--	<10	--	--	<10	--	590	19	<10	<10	--	<10	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<50	1,100	--	--	<25	--	--	<12	--	--	<12	--	420	24Jt|J	<25	<25|J	--	<25	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<100	2,000	--	--	<100	--	--	<100	--	--	<100	--	740	<100	<100	<100	--	<100	--
2000	Jul	--	<20	--	--	--	<10	--	--	<10	--	--	<10	--	360	22	<10	<10	--	<10	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<10	--	--	--	8.5	--	--	<1.0	--	--	<1.0	--	58	17	<10	0.47|J	--	<1.0	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	<10	--	--	--	6.3	--	--	<1.0	--	--	<1.0	--	23	16	<10	0.19|J	--	<1.0	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<10	71	--	--	<0.50	--	--	0.88|J	--	--	0.52|J	--	0.93|J	<1.0	<10	<1.0	--	<1.0	--
2015	Sep	--	<10	80	--	--	<0.50	--	--	0.98|J	--	--	0.78|J	--	0.94|J	<1.0	<10	<1.0	--	0.20|J	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	<10	47	--	--	<0.50	--	--	0.96|J	--	--	0.66|J	--	0.81|J	<1.0	<10	<1.0	--	<1.0	--
2017	Sep	--	<10	10	--	--	<0.50	--	--	0.79|J	--	--	0.79|J	--	1,500	23	<10	7.1	--	1.7	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0009	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Tetrachloroethene	Tetrachloroethene	Toluene	Toluene	Trichloroethene	Trichloroethene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Vinyl Chloride	m,p-Xylene	o-Xylene	Xylenes (Total)	Xylenes (Total)	Acetone	Benzene	Benzene	Bromodichloromethane	Bromodichloromethane	2-Butanone
Method		8010/21	8240/60	8020T	8240/60	601T	8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8020T	8240/60	8240/60	602T	8240/60	601T	8240/60	8020T
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	310	--	14	--	--	--	--	--	--	--	--	43	--	--	<0.50U|	--	<0.50U|	--	<0.50U|
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	0.59	--	<0.50	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	0.55	--	<0.50	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	0.75	--	<0.50	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	<0.50	--	<0.50	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14	--	<0.50	--	<0.50	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	<0.50	--	<0.50	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<0.50	<10	--	120	--	<0.50	<10	<10	<10	<0.50	<5.0	--	--	--	<10	<10	--	<0.50	--	<0.50	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<2.0	<30	--	100	--	<2.0	<30	<30	<30	<2.0	<20	--	--	--	<30	14	--	<0.50	--	<0.50	--
1996	Jun	--	<10	--	93	--	--	<10	<10	<10	--	<5.0	--	--	--	<10	--	--	--	--	--	--
1996	Oct	--	<50	--	360	--	--	<50	<50	<50	--	<30	--	--	--	<50	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	<0.50	--	<0.50	--
1997	Feb	--	<10	--	100	--	--	<10	<10	<10	--	<5.0	--	--	--	32	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<25	--	70	--	--	<25	<25	<25	--	<50	--	--	--	33	<10	--	0.22Jt|J	--	<1.0	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<100	--	79Jt|J	--	--	<100	<100	<100	--	<100	--	--	--	<100	<2.0	--	<1.0	--	<1.0	--
2000	Jul	--	<10	--	32	--	--	<10	<10	<10	--	<20	--	--	--	30	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	0.52|J	--	<1.0	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<1.0	--	22	--	--	0.72|J	0.39|J	0.39|J	--	0.55	--	--	--	23	4.6Jc|J	--	<0.50	--	<1.0	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	<1.0	--	15	--	--	0.46|J	0.44|J	<1.0	--	<0.50	22	0.30|J	--	--	<50	--	<0.50	--	<1.0	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<50	--	28	--	1.6	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<1.0	--	0.58|J	--	--	4.0	0.74|J	<1.0	--	<0.50	0.99|J	<1.0	--	--	<20	--	<0.50	--	<1.0	--
2015	Sep	--	<1.0	--	0.60|J	--	--	5.9	0.92|J	<1.0	--	<0.50	1.0	<1.0	--	--	<20	--	<0.50	--	<1.0	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	<1.0	--	0.51|J	--	--	5.5	14	0.48|J	--	<0.50	0.75|J	<1.0	--	--	<20	--	<0.50	--	<1.0	--
2017	Sep	--	<1.0	--	11	--	--	3.5	<1.0	<1.0	--	<0.50	2.8	0.84|J	--	--	<20	--	<0.50	--	<1.0	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0010	PZL0011
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs
Analyte		2-Butanone	sec-Butylbenzene	Chloroethane	Chloroethane	Chloroform	Chloroform	Chloromethane	1,2-Dichloroethane	1,2-Dichloroethane	Ethylbenzene	Ethylbenzene	2-Hexanone	Methyl Tert-butyl ether (MTBE)	Tetrachloroethene	Tetrachloroethene	Toluene	Toluene	1,2,3-Trichlorobenzene	m,p-Xylene	2-Methylnaphthalene
Method		8240/60	8240/60	601T	8240/60	601T	8240/60	8240/60	601T	8240/60	602T	8240/60	8240/60	8240/60	601T	8240/60	602T	8240/60	8240/60	8240/60	8270
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	<0.50U|	--	<0.50U|	--	--	<0.50U|	--	<0.50U|	--	--	--	<0.50U|	--	<0.50U|	--	--	--	<30U|
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	<5.0	<1.0	--	<1.0	--	<0.50	29	--	<0.50	--	<1.0	<5.0	--	--	<1.0	--	2.4	--	--	12
1994	Apr	<5.0	<1.0	--	<1.0	--	<0.50	<1.0	--	<0.50	--	<1.0	<5.0	--	--	<1.0	--	<1.0	--	--	9.4
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<5.0	<1.0	--	<1.0	--	<0.50	<1.0	--	<0.50	--	<1.0	<5.0	--	--	<1.0	--	<1.0	--	--	<5.0
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<5.0	<1.0	--	<1.0	--	<0.50	<1.0	--	<0.50	--	<1.0	<5.0	--	--	<1.0	--	<1.0	--	--	11
1995	Mar	<5.0	<1.0	--	<1.0	--	<0.50	<1.0	--	<0.50	--	<1.0	<5.0	--	--	<1.0	--	<1.0	--	--	7.6
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<5.0	<1.0	--	<1.0	--	<0.50	<1.0	--	<0.50	--	<1.0	<5.0	--	--	<1.0	--	<1.0	--	--	<300
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<5.0	<1.0	--	<1.0	--	<0.50	<1.0	--	<0.50	--	<1.0	<5.0	--	--	<1.0	--	<1.0	--	--	<50
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	7.0	<1.0	--	4.1	--	<0.50	<1.0	--	<0.50	--	<1.0	<5.0	--	--	<1.0	--	<1.0	--	--	<30
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	<5.0	<1.0	--	<1.0	--	<0.50	<1.0	--	<0.50UJ|	--	<1.0	<5.0	--	--	<1.0	--	<1.0	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<10	--	--	<2.0	--	<1.0	<2.0	--	<1.0	--	<1.0	--	--	--	0.20Jt|J	--	<1.0	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<2.0	--	--	<1.0	--	2.2	<1.0	--	<1.0	--	<1.0	<2.0	--	--	<1.0	--	<1.0	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	<5.0	<1.0	--	<2.0	--	0.85|J	<2.0	--	<1.0	--	<1.0	<5.0	--	--	<1.0	--	<1.0	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<10UJc|	<1.0	--	<1.0	--	0.75|J	<10	--	<0.50	--	<1.0	<10UJc|	<1.0	--	0.28|J	--	<1.0	0.42|J	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	<10	<1.0	--	<1.0	--	0.44|J	<10	--	<0.50	--	<1.0	<10	0.34Jf|J	--	<1.0	--	<1.0	<1.0	<1.0	--
2008	Feb	<10	1.6	--	<1.0	--	<1.0	<10	--	7.6	--	4.6	41	<1.0	--	<1.0	--	2.8	<1.0	1.2	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<10	<1.0	--	<5.0	--	0.87|J	<10	--	<0.50	--	<1.0	<10	<1.0	--	<1.0	--	<1.0	<1.0	<1.0	--
2015	Sep	<10	<1.0	--	<5.0	--	1.0	<10	--	<0.50	--	<1.0	<10	<1.0	--	<1.0	--	<1.0	<1.0	<1.0	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	<10	<1.0	--	<5.0	--	0.77|J	<10	--	<0.50	--	<1.0	<10	<1.0	--	<1.0	--	<1.0	<1.0	<1.0	--
2017	Sep	<10	<1.0	--	<5.0	--	0.82|J	<10	--	<0.50	--	<1.0	<10	<1.0	--	<1.0	--	<1.0	<1.0	<1.0	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		SVOCs	SVOCs	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		2-Methylphenol	Phenanthrene	Phenol	Tert-Butyl Alcohol (TBA)	Acetone	Tert-Amyl-Methyl Ether (TAME)	Benzene	Benzene	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chlorobenzene	Chlorobenzene	Cyclohexane	Ethylbenzene	Ethylbenzene	Isopropylbenzene	Methyl Tert-butyl ether (MTBE)	Naphthalene	Naphthalene
Method		8270	8270	8270	8240/60	8240/60	8240/60	8020T	8240/60	8240/60	8240/60	601T	8010/21	8240/60	8240/60	8020T	8240/60	8240/60	8240/60	8240/60	8270
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	77	<30U|	150	--	--	--	82,000	--	--	--	<0.50U|	--	--	--	1,900	--	--	--	--	180Js|
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	<5.0	8.8	<5.0	--	<50,000	--	--	140,000	<5,000	<10,000	--	<30	<5,000	<50,000	--	<5,000	<5,000	--	<5,000	150
1994	Apr	<5.0	7.2	6.5	--	<10,000	--	--	110,000	<1,000	--	--	<50	<1,000	<10,000	--	2,000	<1,000	--	<1,000	130
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	<5.0	--	--	<10,000UJh|	--	--	110,000Jh|	<1,000UJh|	<2,000UJh|	--	<300UJh|	<1,000UJh|	<10,000UJh|	--	2,200Jh|	<1,000UJh|	--	<1,000UJh|	70
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<5.0	6.6	<5.0	--	<10,000	--	--	140,000	<1,000	<2,000	--	<100	<1,000	<10,000	--	2,800	<1,000	--	<1,000	140
1995	Mar	<5.0	5.6	<5.0	--	<10,000	--	--	65,000	<1,000	<2,000	--	<50	<1,000	<10,000	--	1,900	<1,000	--	<1,000	96
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<300	<300	<300	--	<10,000	--	--	120,000	<1,000	<2,000	--	<50	<1,000UJl|	<10,000	--	4,200	<1,000	--	<1,000	<300
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<50	<50	<50	--	<26,000UJsb|	--	--	91,000Js|	<1,000UJs|	<2,000UJs|	--	<50	<1,000UJs|	<10,000UJs|	--	<1,000UJs|	<1,000UJs|	--	<1,000UJs|	190
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<30	<30	<30	--	<5,000	--	--	86,000	<500	<1,000	--	<100	<500	<5,000	--	2,000	<500	--	<500	150
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	<10,000	--	--	77,000	<1,000	<2,000	--	--	<1,000	<10,000	--	2,200	<1,000	--	<1,000	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	<10,000Rl|	--	--	43,000	--	<10,000Rl|	--	--	240Jt|J	2,200|J	--	1,400	<1,000	--	<1,000	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	<5,000	--	--	38,000	--	<5,000	--	--	<2,500	<5,000	--	1,900Jt|J	<2,500	--	<2,500	--
2000	Jul	--	--	--	--	<10,000	--	--	40,000	<1,000	<1,000	--	--	<1,000	--	--	1,400	<1,000	--	<1,000	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	<500Rc|	--	--	36,000	<50	<500	--	--	<50	--	--	1,300	11|J	56	65|J	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	<1,000	--	--	8,100	<20	<200	--	--	4.8|J	--	--	470	<20	23	27|J	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	2,700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	400	15|J	8.7	--	120	0.90|J	<10	--	--	0.27|J	71	--	8.1	0.68|J	120	<10	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	960	56|J	--	--	460	<5.0	<50	--	--	<5.0	110	--	42	<5.0	100	<50	--
2016	Sep	--	--	--	<50	<100	5.5|J	--	960	<5.0	15|J	--	--	<5.0	170	--	72	<5.0	82	<50	--
2017	Sep	--	--	--	1,700	<200	<20	--	950	<10	<100	--	--	2.2|J	<100	--	83	<10	55	<100	--

Note:
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Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0011	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		n-Propylbenzene	Styrene	Styrene	Toluene	Toluene	1,2,4-Trimethylbenzene	m,p-Xylene	o-Xylene	Xylenes (Total)	Xylenes (Total)	Bis(2-Ethylhexyl) Phthalate	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	Benzene	2-Butanone	2-Butanone	n-Butylbenzene	sec-Butylbenzene	Chloroform	Chloroform
Method		8240/60	8020T	8240/60	8020T	8240/60	8240/60	8240/60	8240/60	8020T	8240/60	8270	8240/60	8240/60	602T	8240/60	8020T	8240/60	8240/60	8240/60	8010/21	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	13,000	--	30,000	--	--	--	--	6,400	--	9.1	--	--	<0.50U|	--	<0.50U|	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	<100U|	--	27	--	<50U|	--	--	--	<5.0U|
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	<5,000	--	12,000	--	59,000	<5,000	--	--	--	<5,000	<7.0	--	<10	--	11	--	<5.0	--	8.3	<30	<0.50
1994	Apr	<1,000	--	8,900	--	37,000	<1,000	--	--	--	4,600	<7.0	--	<10	--	5.3	--	<5.0	--	4.0	<0.50	<0.50
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<1,000UJh|	--	11,000Jh|	--	40,000Jh|	<1,000UJh|	--	--	--	7,500Jh|	88	--	<10	--	<0.50	--	<5.0	--	<1.0	<0.50UJh|	<0.50
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<1,000	--	14,000	--	57,000	<1,000	--	--	--	10,000	22	--	<10	--	<0.50	--	<5.0	--	4.3	<0.50	<0.50
1995	Mar	<1,000	--	7,600	--	28,000	<1,000	--	--	--	6,600	<7.0	--	31	--	24	--	<5.0	--	4.7	<0.50	<0.50
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<1,000	--	15,000Jl|	--	59,000Jl|	<1,000	--	--	--	13,000Jl|	<7.0	--	28	--	1.2	--	<5.0	--	<1.0	<0.50	0.53
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1,000UJs|	--	<9,700UJs|	--	44,000Js|	<1,000UJs|	--	--	--	3,600Js|	<10	--	<16Ub|	--	2.7	--	<5.0	--	4.9	<0.50UJs|	<0.50
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<500	--	9,600	--	31,000	<500	--	--	--	6,200	<50	--	<10	--	4.6	--	<5.0	--	4.7	<0.50	<0.50
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	21	--	<5.0	--	4.2	--	<0.50
1997	Feb	<1,000	--	8,200	--	32,000	<1,000	--	--	--	7,700	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<1,000	--	5,500	--	21,000	<1,000	--	--	--	4,700	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<2,500	--	5,500	--	22,000	<2,500	--	--	--	5,300	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	<1,000	--	4,500	--	20,000	<1,000	--	--	--	4,100	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	<10	--	<0.50	--	<10	<1.0	0.25|J	--	<1.0
2004	Feb	<50	--	5,500	--	22,000	18|J	--	--	--	2,900	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	5.7|J	--	1,600	--	6,400	8.7|J	970	490	--	--	--	--	<1,300	--	<13	--	<250	<25	<25	--	<25
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	4,600	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	0.18|J	--	17	--	71	0.70|J	13	6.3	--	--	--	2,800	78	--	<1.2	--	<25	<2.5	<2.5	--	<2.5
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<5.0	--	86	--	320	<5.0	84	39	--	--	--	6,700	<200	--	<5.0	--	<100	<10	<10	--	<10
2016	Sep	<5.0	--	38	--	710	5.9	140	72	--	--	--	6,900	<100	--	<2.5	--	13|J	<5.0	<5.0	--	<5.0
2017	Sep	<10	--	200	--	660	<10	160	78	--	--	--	5,500	32Jm|	--	1.7	--	<10	0.60|J	0.32|J	--	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0012	PZL0013	PZL0013	PZL0013	PZL0013	PZL0013	PZL0013	PZL0013	PZL0013
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Cyclohexane	1,1-Dichloroethene	1,1-Dichloroethene	2-Hexanone	Methyl Tert-butyl ether (MTBE)	Tetrachloroethene	Tetrachloroethene	Toluene	Toluene	Trichloroethene	Trichloroethene	m,p-Xylene	4-Nitrophenol	Phenol	Tert-Butyl Alcohol (TBA)	Benzene	Benzene	1,3-Butadiene	Chlorobenzene	Chlorobenzene	Chlorobenzene
Method		8240/60	8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	602T	8240/60	8010/21	8240/60	8240/60	8270	8270	8240/60	8020T	8240/60	8240/60	601T	8010/21	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	<0.50U|	--	--	--	--	<10U|	33	--	420,000	--	--	<5.0U|	--	--
1993	May	--	--	<5.0U|	<50U|	--	--	<10U|	--	<10U|	--	<10U|	--	--	--	--	--	610,000	--	--	--	<5,000U|
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	41	<30	<0.50	<5.0	--	<30	1.5	--	1.2	<30	<1.0	--	<5.0	22	--	--	750,000	--	--	<50	<5,000
1994	Apr	26	<0.50	<0.50	83	--	<0.50	<1.0	--	<1.0	0.59	<1.0	--	<5.0	22	--	--	560,000	--	--	<50	<5,000
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<10	<0.50UJh|	<0.50	<5.0	--	<0.50UJh|	<1.0	--	<1.0	<0.50UJh|	<1.0	--	<5.0	30	--	--	450,000Jh|	--	--	<5,000UJh|	<10,000UJh|
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	8.8	<0.50	<0.50	<5.0	--	<0.50	<1.0	--	<1.0	<0.50	<1.0	--	12	16	--	--	590,000	--	--	<500	<5,000
1995	Mar	<10	<0.50	<0.50	<5.0	--	<0.50	<1.0	--	<1.0	<0.50	<1.0	--	--	--	--	--	650,000	--	--	<300	<5,000
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	19	2.2	<0.50	<5.0	--	<0.50	<1.0	--	<1.0	3.4	<1.0	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	570,000	--	--	<200	<5,000
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	32	<0.50UJs|	<0.50	<5.0	--	<0.50UJs|	<1.0	--	<1.0	<0.50UJs|	<1.0	--	--	--	--	--	590,000	--	--	<50	<5,000
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	52	<0.50	<0.50	<5.0	--	<0.50	<1.0	--	<1.0	<0.50	<1.0	--	--	--	--	--	520,000	--	--	<300	3,400
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	13	--	<0.50	<5.0	--	--	<1.0	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	470,000	--	--	--	<5,000
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	400,000	--	--	--	<5,000
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	460,000	--	--	--	<25,000
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300,000	--	--	--	<5,000
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16	--	--	--
2004	Jan	--	--	<1.0	<10	0.39|J	--	<1.0	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	<25	<250	19|J	--	<25	--	<25	--	<25	<25	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<25	--	<2.5	<25	3.2	--	<2.5	--	<2.5	--	<2.5UJm|	<2.5	--	--	--	--	330,000	--	--	--	<2,500
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<100	--	<10	<100	15	--	<10	--	<10	--	<10	<10	--	--	--	--	450,000	--	--	--	<5,000
2016	Sep	<50	--	<5.0	<50	4.3|J	--	<5.0	--	<5.0	--	<5.0	<5.0	--	--	<40,000	--	420,000	--	--	--	<4,000
2017	Sep	<10	--	<1.0	<10	4.7	--	<1.0	--	<1.0	--	<1.0	0.83|J	--	--	<10,000	--	210,000	--	--	--	<1,000

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0013	PZL0013	PZL0013	PZL0013	PZL0013	PZL0013	PZL0013	PZL0013	PZL0013	PZL0013	PZL0013	PZL0014	PZL0014	PZL0014	PZL0014	PZL0014	PZL0014	PZL0014	PZL0014	PZL0014
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Chloroform	Chloroform	Chloroform	Ethylbenzene	Ethylbenzene	Styrene	Styrene	Toluene	Toluene	Xylenes (Total)	Xylenes (Total)	N-Nitroso-di-n-propylamine	N-Nitroso-di-n-propylamine	Benzene	Benzene	Bromodichloromethane	Carbon Disulfide	Chloroform	Chloromethane	Methyl Tert-butyl ether (MTBE)
Method		601T	8010/21	8240/60	8020T	8240/60	8020T	8240/60	8020T	8240/60	8020T	8240/60	1625M	8270	602T	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	<5.0U|	--	--	14	--	15	--	50	--	43	--	--	--	<0.50U|	--	--	--	--	--	--
1993	May	--	--	<3,000U|	--	<5,000U|	--	<5,000UJ|	--	<5,000U|	--	<5,000U|	--	--	--	<0.50U|	<0.50U|	<2.0U|	<0.50U|	<1.0U|	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	<50	<3,000	--	<5,000	--	<5,000	--	<5,000	--	<5,000	--	--	--	--	--	--	--	--	--
1994	Apr	--	200	<3,000	--	<5,000	--	<5,000	--	<5,000	--	<5,000	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	<5,000UJh|	<5,000UJh|	--	<10,000UJh|	--	<10,000UJh|	--	<10,000UJh|	--	<10,000UJh|	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<500	<3,000	--	<5,000	--	<5,000	--	<5,000	--	<5,000	--	--	--	--	--	--	--	--	--
1995	Mar	--	<300	<3,000	--	<5,000	--	<5,000	--	<5,000	--	<5,000	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	<200	<3,000	--	<5,000	--	<5,000	--	<5,000	--	<5,000	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<50	<3,000	--	<5,000	--	<5,000	--	<5,000	--	<5,000	--	<5.0	--	0.60	<0.50	<2.0	<0.50	<1.0	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<300	<2,000	--	<3,000	--	<3,000	--	<3,000	--	<3,000	--	<5.0	--	1.0	<0.50	<2.0	<0.50	2.0	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50UJs|	<0.50UJs|	<2.0UJs|	<0.50UJs|	<1.0UJs|	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<0.50	<2.0	<0.50	<1.0	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<0.50	<2.0	<0.50	<1.0	--
1997	Feb	--	--	<3,000	--	<5,000	--	<5,000	--	<5,000	--	<5,000	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	<5,000	--	<5,000	--	<5,000	--	<5,000	--	<5,000	--	--	--	<1.0	<1.0	<10	<1.0	<2.0	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	<25,000	--	<25,000	--	<25,000	--	<25,000	--	<25,000	--	--	--	<1.0	2.6	<2.0	9.0	<1.0	--
2000	Jul	--	--	<5,000	--	<5,000	--	<5,000	--	<5,000	--	<5,000	0.0061|J	--	--	<1.0	<1.0	<1.0	0.60|J	<2.0	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<1.0	<10	<1.0	<10	30
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.68	<1.0	<10	0.30|J	<10	13
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	<2,500	--	<2,500	--	<2,500	--	<2,500	--	--	--	--	--	<0.50	<1.0	<10	<1.0	<10	2.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<1.0	0.79|J	0.49|J	<10	<1.0
2015	Oct	--	--	<5,000	--	<5,000	--	<5,000	--	<5,000	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	<4,000	--	<4,000	--	<4,000	--	<4,000	--	--	--	--	--	<0.50	<1.0	<10	<1.0	<10	1.4
2017	Sep	--	--	<1,000	--	370|J	--	<1,000	--	<1,000	--	--	--	--	--	<0.50	<1.0	<10	<1.0	<10	1.4

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		SVOCs	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Bis(2-Ethylhexyl) Phthalate	N-Nitrosodiphenylamine	N-Nitrosodiphenylamine	Benzene	Benzene	Chlorobenzene	Chlorobenzene	Chlorobenzene	Chloroform	Chloroform	Chloroform	1,1-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	1,1-Dichloroethene	c-1,2-Dichloroethene	c-1,2-Dichloroethene
Method		8270	1625M	8270	8020T	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	601T	8010/21
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	4,800	--	<500U|	--	--	<500U|	--	--	<500U|	--	--	<500U|	--	--	<500U|	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	<7.0	--	<5.0	--	<50	--	<300	<100	--	<300	70	--	<300	<100	--	<300	<50	--	2,300
1994	Apr	17	--	<5.0	--	<100	--	<300	<200	--	<300	<100	--	<300	<200	--	<300	<100	--	2,700
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<7.0	--	<5.0	--	83Jh|	--	<100UJh|	<100UJh|	--	150Jh|	86Jh|	--	<100UJh|	<100UJh|	--	<100UJh|	<50UJh|	--	1,400Jh|
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<7.0	--	<5.0	--	<100	--	<50	<200	--	160	<100	--	<50	<200	--	<50	<100	--	2,000
1995	Mar	--	--	--	--	67	--	<50	<100	--	82	64	--	<50	<100	--	<50	<50	--	2,800
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	1,200	--	<50	<100	--	200	95	--	<50	<100	--	<50	<50	--	2,300
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	<30	--	<30	69	--	120	73	--	<30	<50	--	<30	<30	--	2,500
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	--	--	--	<50	--	<50	<100	--	150	72	--	<50	<100	--	<50	<50	--	2,600
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	<50	--	--	<100	--	--	<50	--	--	<100	--	--	<50	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	7.6Jt|J	--	--	<50	--	--	47Jt|J	--	--	<50|J	--	--	17Jt|J	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	<100	--	--	<100	--	--	<100	--	--	<100	--	--	<100	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	0.012|J	--	--	<50	--	--	<50	--	--	27|J	--	--	<50	--	--	<50	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	<5.0	--	--	<10	--	--	21	--	--	12	--	--	4.9|J	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	<30Ux|	--	--	<20	--	--	12|J	--	--	<20	--	--	<20	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	<5.0	--	--	<10	--	--	8.6|J	--	--	5.6|J	--	--	<10	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	<5.0	--	--	<10	--	--	8.6|J	--	--	5.3|J	--	--	<10	--	--
2016	Sep	--	--	--	--	<5.0	--	--	<10	--	--	8.2|J	--	--	5.3|J	--	--	<10	--	--
2017	Sep	--	--	--	--	0.22|J	--	--	0.31|J	--	--	6.7	--	--	3.3	--	--	0.47|J	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0016	PZL0018	PZL0018	PZL0018
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	TBA	VOCs	VOCs
Analyte		c-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	Tetrachloroethene	Tetrachloroethene	Tetrachloroethene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,1,2-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloroethene	Trichloroethene	Tert-Butyl Alcohol (TBA)	Benzene	sec-Butylbenzene
Method		8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	8240/60	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	<500U|	--	--	10,000	--	--	--	--	<500U|	--	--	19,000	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50U|	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	1,300	--	<300	<100	--	9,600	6,100	--	--	--	<300	<50	--	19,000	11,000	--	0.78	1.4
1994	Apr	2,000	--	<300	<200	--	8,600	5,900	--	--	--	<300	<100	--	19,000	14,000	--	0.51	1.4
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<100UJh|	--	<100UJh|	<100UJh|	--	6,500Jh|	5,900Jh|	--	--	--	<100UJh|	<50UJh|	--	14,000Jh|	13,000Jh|	--	0.64	1.3
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	1,700	--	<50	<200	--	6,400	7,200	--	--	--	<50	<100	--	13,000	11,000	--	0.75	1.7
1995	Mar	1,800	--	<50	<100	--	7,400	5,600	--	--	--	<50	<50	--	15,000	11,000	--	<0.50	<1.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<1.0
1995	Jul	<100	--	<50	<100	--	5,800	7,500	--	--	--	<50UJl|	<50	--	9,700	13,000	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	2,000	--	<30	110	--	6,300	5,600	--	--	--	<30	<30	--	7,800	9,400	--	<0.50	<1.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	2,300	--	<50	<100	--	7,000	6,100	--	--	--	<50	<50	--	9,900	9,300	--	0.68	1.7
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<1.0
1997	Feb	1,500	--	--	<100	--	--	5,900	--	--	--	--	<50	--	--	7,500	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	2,500	--	--	<25	--	--	2,900	--	<50	--	--	51	--	--	3,700	--	0.27Jt|J	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	1,600	--	--	<100	--	--	1,900	--	<100	--	--	<100	--	--	1,800	--	0.53Jt|J	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4	2.6
2000	Aug	2,400	--	--	15|J	--	--	2,100	--	--	--	--	<50	--	--	2,000	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	2,500	--	--	<10	--	--	1,400	4.1|J	4.6|J	--	--	<10	--	--	1,400	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	1,900	--	--	51	--	--	910	<20	<20	--	--	<20	--	--	770	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	1,700	<1.0
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	1,500	--	--	28	--	--	330	<10	<10	--	--	<10	--	--	400	--	<0.50	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	1,400	--	--	72	--	--	300	<10	<10	--	--	<10	--	--	380	--	<0.50	<1.0
2016	Sep	1,400	--	--	78	--	--	470	<10	<10	--	--	<10	--	--	450	--	<0.50	<1.0
2017	Sep	910	--	--	6.4	--	--	220	<1.0	<1.0	--	--	<1.0	--	--	280	--	<0.50	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0018	PZL0018	PZL0018	PZL0018	PZL0018	PZL0018	PZL0018	PZL0018	PZL0018	PZL0018	PZL0018	PZL0018	PZL0018	PZL0018	PZL0018	PZL0019	PZL0019	PZL0019	PZL0019	PZL0019	PZL0019
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs
Analyte		tert-Butylbenzene	Chlorobenzene	Chlorobenzene	Ethylbenzene	Isopropylbenzene	Methylene Chloride	Methylene Chloride	Styrene	Tetrachloroethene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	m,p-Xylene	o-Xylene	pCBSA	Benzoic Acid	2-Chlorophenol	Di-n-Butyl Phthalate	Fluorene	2-Methylnaphthalene	2-Nitrophenol
Method		8240/60	8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	8270	8270	8270	8270	8270	8270
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	<1.0U|	<1.0U|	--	--	4.5	<1.0UJ|	--	<1.0U|	<1.0U|	--	--	--	--	270J|	<30U|	<30U|	<30U|	<30U|	<30U|
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	<1.0	--	<1.0	<1.0	<1.0	--	<1.0	<1.0	--	<1.0	<1.0	<1.0	--	--	--	300	260	<30	<30	<30	<30
1994	Apr	<1.0	<0.50	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	--	--	--	<50	<5.0	<5.0	<5.0	<5.0	6.5
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<1.0	<0.50	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	--	--	--	800	<30	<30	<30	<30	<30
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<1.0	<0.50	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	--	--	--	<300	<30	<30	<30	<30	<30
1995	Mar	<1.0	<0.50	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	--	--	<0.10	<300	<30	<30	<30	<30	<30
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<1.0	<0.50	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	--	--	<0.10	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<50	<5.0	<5.0	<5.0	<5.0	<5.0
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1.0	<0.50	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	--	--	<0.10	<300	<30	<30	<30	<30	<30
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<1.0	<0.50	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	--	--	<0.10	<300	<30	<30	<30	<30	<30
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	<1.0	--	<1.0	<1.0	<1.0	--	<1.0	<1.0	--	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2,000	<200	<300	<200	<200	<200
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<1.0	--	0.18Jt|J	<1.0	0.20Jt|J	--	<5.0	<1.0	--	0.79Jt|J	<1.0	<1.0	--	--	--	<50	<10	1.6Jt|J	<10	2.7Jt|J	<10
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<1.0	--	<1.0	<1.0	0.60Jt|J	--	<1.0	<1.0	--	0.79Jt|J	<1.0	2.9	--	--	--	<50	<10	<10	<10	2.4Jt|J	<10
2000	Jul	0.31|J	--	<1.0	0.34|J	1.1	--	<1.0	<1.0	--	1.4	<1.0	<1.0	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	53	<10	<10	6.2|J	22	<10
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	<1.0	--	<1.0	4.0	<1.0	--	<10	<1.0	--	2.2	1.2	<1.0	2.4	1.6	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	--	<1.0	<1.0	<1.0	--	<10	<1.0	--	1.1	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<1.0	--	<1.0	<1.0	<1.0	--	<10	0.20|J	--	1.3	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--
2016	Sep	<1.0	--	<1.0	<1.0	<1.0	--	<10	<1.0	--	0.83|J	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--
2017	Sep	<1.0	--	<1.0	<1.0	<1.0	--	<10	<1.0	--	0.74|J	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0019	PZL0019	PZL0019	PZL0019	PZL0019	PZL0019	PZL0019	PZL0019	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		SVOCs	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		4-Nitrophenol	Phenanthrene	Phenol	Benzene	Ethylbenzene	Naphthalene	Toluene	pCBSA	Benzoic Acid	2,4-Dinitrotoluene	Fluorene	2-Methylnaphthalene	Phenanthrene	Phenol	Tert-Butyl Alcohol (TBA)	Benzene	1,2-Dichloroethane	1,2-Dichloroethane	Ethylbenzene	Isopropylbenzene	Naphthalene	Naphthalene
Method		8270	8270	8270	8240/60	8240/60	8270	8240/60	300.0T	8270	8270	8270	8270	8270	8270	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8270
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	<30U|	<30U|	260	380,000	7,400	<30U|	<5,000U|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	<3,000U|	<300U|	<300U|	<300U|	<300U|	<300U|	--	310,000	--	<1,000U|	13,000	--	--	<300U|
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	<30	<30	<30	430,000	<5,000	<30	13,000	--	<300	<30	<30	<30	<30	130	--	430,000	<50	<3,000	17,000	<5,000	<5,000	82
1994	Apr	12	<5.0	130	410,000	8,600	9.9	<5,000	--	<50	6.5	<5.0	7.9	9.6	120	--	610,000	<50	<2,500	21,000	<5,000	<5,000	75
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<30	<30	110	380,000	<10,000	<30	<10,000	--	<300	<30	<30	<30	<30	160	--	590,000	<500	<5,000	19,000	<10,000	<10,000	82
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<30	<30	210	450,000	14,000	<30	<5,000	--	<300	<30	<30	<30	<30	180	--	520,000	<500	<3,000	20,000	<5,000	<5,000	78
1995	Mar	<30	<30	440	640,000	16,000	<30	<5,000	<0.10	<50	<5.0	5.0	8.2	9.9	43	--	270,000	<100	<1,000	19,000	<2,000	<2,000	59
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	<5.0	<5.0	57	380,000	11,000	16	<5,000	0.85	<300	<30	<30	<30	<30	280	--	350,000	<200	<3,000	15,000	<5,000	<5,000	120
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<30	<30	320	370,000	6,000	36	<5,000	<0.10	<300	<30	<30	<30	<30	280	--	400,000Js|	<30	<1,000UJs|	5,300Js|	<2,000UJs|	<2,000UJs|	99
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<50	<30	72	300,000	<5,000	<30	<5,000	<0.10	<300	<30	<30	<30	<30	140	--	580,000	<1,000	<3,000	19,000	<5,000	<5,000	96
1996	Jun	--	--	--	--	--	--	--	--	<300	<30	<30	<30	<30	440	--	470,000	<500	<5,000	15,000	<10,000	<10,000	180
1996	Oct	--	--	--	--	--	--	--	--	<300	<30	<30	<30	<30	340	--	570,000	<200	<3,000	8,100	<5,000	<5,000	170
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	<300	<200	380	330,000	10,000Js|	200	700Js|	--	<2,000	<200	<200	<200	<200	<200	--	540,000	--	<300UJs|	18,000Js|	<500UJs|	<500UJs|	<200
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<50	1.6Jt|J	76	180,000	4,600Jt|J	30	<5,000	--	<500	<100	<100	10Jt|	14Jt|	170	--	480,000	--	<10,000	15,000	<10,000	<10,000	170
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<50	<10	61	490,000	9,600Jt|J	32	<25,000	--	12Jh|J	<10UJh|	3.4Jh|J	7.3Jh|J	6.8Jh|J	98Jh|	--	480,000	--	--	12,000Jt|J	<25,000	<25,000	90Jh|
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	<50	11	96	330,000	11,000	120	3,600|J	--	<50	<10	<10	4.1|J	2.0|J	40	--	410,000	--	<5,000	10,000	<5,000	<5,000	44
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	510,000	--	<250	16,000	200|J	<5,000Uy|J	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	290,000	--	170	15,000	140|J	180|J	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5,000	280,000	--	<250	9,800	<500	<5,000	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<50,000	470,000	--	<2,500	16,000	<5,000	<50,000	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<50,000	510,000	--	<2,500	13,000	<5,000	<50,000	--
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10,000	360,000	--	<500	12,000	<1,000	<10,000	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0020	PZL0022	PZL0022	PZL0022	PZL0022	PZL0022	PZL0022	PZL0022	PZL0022	PZL0022
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	SVOCs	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Vinyl Chloride	m,p-Xylene	o-Xylene	Xylenes (Total)	pCBSA	Bis(2-Ethylhexyl) Phthalate	Di-n-Butyl Phthalate	Tert-Butyl Alcohol (TBA)	Benzene	Benzene	Benzene	sec-Butylbenzene	Methylene Chloride	Methylene Chloride	Toluene
Method		8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	300.0T	8270	8270	8240/60	8015	8020T	8240/60	8240/60	8010/21	8240/60	8015
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	<1,300Ub|	--	--	--	<1,000U|	--	--	<1,000U|	--	--	--	--	--	--	<12Ub|	--	--	1.3	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	<5,000	<5,000	<5,000	<5,000	<50	<3,000	--	--	<5,000	--	<7.0	<5.0	--	--	--	<0.50	2.3	<0.50	<1.0	--
1994	Apr	<5,000	<5,000	<5,000	<5,000	<50	<2,500	--	--	<5,000	--	<7.0	8.5	--	--	<0.50	<0.50	2.4	<0.50	<1.0	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<10,000	<10,000	<10,000	<10,000	<500	<5,000	--	--	23,000	--	<7.3Ub|	<5.0	--	--	--	--	--	<0.50	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	1.9	--	<1.0	<0.50
1994	Oct	<5,000	<5,000	<5,000	<5,000	<500	<3,000	--	--	<5,000	--	<7.0	27	--	--	1.0	--	2.6	<10	<1.0	--
1995	Mar	<2,000	<2,000	<2,000	<2,000	<100	<1,000	--	--	<2,000	<0.10	<11Ub|	<5.0	--	--	<0.50	--	1.8	<0.50	<1.0	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	52	<5.0	--	--	<0.50	--	2.3	<0.50	<1.0	--
1995	Jul	<5,000	<5,000	<5,000	<5,000	<200	<3,000	--	--	<5,000	<0.10	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<2,000UJs|	4,600Js|	<2,000UJs|	<2,000UJs|	<30	<1,000UJs|	--	--	<2,000UJs|	<0.10	<10	<5.0	--	--	1.3	--	4.3	<2.0	<1.0	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<5,000	7,400	<5,000	<5,000	<1,000	<3,000	--	--	<5,000	<0.10	<10	<5.0	--	--	<0.50	--	2.7	<2.0	<1.0	--
1996	Jun	<10,000	<10,000	<10,000	<10,000	<500	<5,000	--	--	<10,000	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	<5,000	6,600	<5,000	<5,000	<200	<3,000	--	--	<5,000	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	<500UJs|	6,300Js|	<500UJs|	<500UJs|	--	<300UJs|	--	--	3,100Js|	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<10,000	3,900Jt|J	<10,000	<10,000	--	<20,000	--	--	<10,000	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<25,000	6,400Jt|J	<25,000	<25,000	--	<25,000	--	--	<25,000	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	<5,000	<5,000	<5,000	<5,000	--	<10,000	--	--	<5,000	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<500	2,700	740	140|J	--	<250	--	--	3,000	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4	0.40|J	--	<10	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<1.0	--	<10	--
2006	Nov	52|J	1,600	310	<200	--	61|J	1,200	690	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<500	970	240|J	<500	--	<250	470|J	360|J	--	--	--	--	--	--	--	<0.50	<1.0	--	<10	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<5,000	1,800|J	<5,000	<5,000	--	<2,500	<5,000	<5,000	--	--	--	--	--	--	--	<0.50	<1.0	--	<10	--
2016	Sep	<5,000	1,500|J	<5,000	<5,000	--	<2,500	<5,000	<5,000	--	--	--	--	<10	--	--	<0.50	<1.0	--	<10	--
2017	Sep	<1,000	1,200	<1,000	<1,000	--	<500	550|J	490|J	--	--	--	--	<10	--	--	<0.50	<1.0	--	<10	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0022	PZL0022	PZL0022	PZL0024	PZL0024	PZL0024	PZL0024	PZL0024	PZL0024	PZL0024	PZL0024	PZL0024	PZL0025	PZL0025	PZL0025	PZL0025	PZL0025	PZL0025	PZL0025	PZL0025	PZL0025	PZL0025
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	pCBSA	SVOCs	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Toluene	Toluene	pCBSA	2-Methylnaphthalene	Phenanthrene	Phenol	Benzene	Ethylbenzene	Naphthalene	m,p-Xylene	Xylenes (Total)	pCBSA	Di-n-Butyl Phthalate	Phenol	Acetone	Benzene	tert-Butylbenzene	Chlorobenzene	Chlorobenzene	1,2-Dichloroethane	1,2-Dichloroethane	Ethylbenzene
Method		8020T	8240/60	300.0T	8270	8270	8270	8240/60	8240/60	8270	8240/60	8240/60	300.0T	8270	8270	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60
Units		µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	<1.0U|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	39	<30U|	100	78,000J|	1,600	360	860J|	1,100	--	<5.5UJ|	74	<200UJ|	3,200J|	<20UJ|	--	<20UJ|	--	<20UJ|	<20UJ|
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	<1.0	--	<10	<10	16	62,000	<2,000	290	--	<2,000	--	<5.0	88	<200	2,200	<20	<30	<20	<30	<10	<20
1994	Apr	<0.50	<1.0	--	<30	<30	<30	75,000	1,800	280	--	970	--	<5.0	22	--	1,200	<10	<10	<10	<10	<5.0	16
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	42	<30	<30	84,000	1,400	450	--	1,200	--	<5.0	50	<200	1,400	<20	<0.50UJh|	<20	<0.50UJh|	<10	<20
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	0.86	--	--	52	<30	<30	51,000	1,300	450	--	790	--	<14Ub|	11	<200	2,600	<20	<0.50	<20	<0.50	<10	<20
1995	Mar	2.0	--	<0.10	<50	<50	810	140,000	3,500	210	--	<1,000	<0.10	<5.0	7.5	<200	2,200	<20	<3.0	<20	<3.0	<10	<20
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	1.6	--	<0.10	--	--	--	--	--	--	--	--	--	<5.0	<5.0	<200	1,900	<20	<3.0	<20	<3.0	<10	<20
1995	Jul	--	--	--	<100	<100	1,800	120,000	3,800	330	--	<2,000	<0.10	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<0.50	--	<0.10	<30	<30	250	96,000	12,000	440	--	<1,000	<0.10	<5.0	66	2,000	12,000	<100	<0.50	<100	<0.50	<50	<100
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<0.50	--	<0.10	<30	<30	39	100,000	2,700	400	--	<1,000	<0.10	<5.0	12	<1,000	9,600Jd|	<100	<30	<100	<30	<50	<100
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	<5.0	29	<1,000	12,000	<100	--	<100	--	<50	<100
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	<5.0	38	<500	7,300	<50	--	<50	--	<30	<50
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	<30	<30	38	120,000	3,300Js|	150	--	<500UJs|	--	<10	68	<2,000	28,000	<200	--	<200	--	<100	<200
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	2.0Jt|J	<10	9.1Jt|J	73,000	1,700	23	--	<1,000	--	2.2Jt|J	2.4Jt|J	<100	330	4.7Jt|J	--	<10	--	<10	1.0Jt|J
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	<10	<10	15	40,000	<2,500	9.6Jt|J	--	<2,500	--	<10	<10	<2.0	12	3.5	--	0.17Jt|J	--	--	0.42Jt|J
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	<10	<10	<10	<1.0	<1.0	--	<1.0	--	<1.0	<1.0
2000	Aug	--	--	--	<10	3.0|J	11	42,000	620|J	11	--	<1,000	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	1.5	0.23|J	--	<1.0	--	<0.50	<1.0
2004	Feb	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<1.0	--	--	--	--	<0.50	<1.0	--	<1.0	--	--	--	--	<20	<0.50	0.50|J	--	<1.0	--	3.5	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<20	<0.50	1.6	--	<1.0	--	6.7	<1.0
2015	Oct	--	<1.0	--	--	--	--	<0.50	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	<1.0	--	--	--	--	<0.50	<1.0	--	<1.0	--	--	--	--	<20	<0.50	0.88|J	--	<1.0	--	9.3	<1.0
2017	Sep	--	<1.0	--	--	--	--	<0.50	<1.0	--	<1.0	--	--	--	--	<20	<0.50	1.2	--	<1.0	--	7.9	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		PZL0025	PZL0025	PZL0026	PZL0026	PZL0026	PZL0026	PZL0026	PZL0026	PZL0026	PZL0026	PZL0026	PZL0026	PZL0026	PZL0026	PZL0026	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		VOCs	pCBSA	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Xylenes (Total)	pCBSA	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	2-Butanone	Carbon Disulfide	Chlorobenzene	Chlorobenzene	Ethylbenzene	Methyl Tert-butyl ether (MTBE)	Styrene	Toluene	m,p-Xylene	Xylenes (Total)	Benzene	Benzene	Chloroform	Chloroform	Chloroform	1,1-Dichloroethane
Method		8240/60	300.0T	8240/60	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8020T	8240/60	601T	8010/21	8240/60	601T
Units		µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	320,000	280,000	<0.50U|	--	<3,000U|	<0.50U|
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	<20U|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	<1,000U|	4,300	<500U|	<200U|	--	<100U|	<100U|	--	<100U|	<100U|	--	<100U|	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	260,000	--	<50UJh|	<3,000	--
1994	Mar	<20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	170,000	--	<30	<500	--
1994	Jul	51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	250,000	--	<50	<5,000	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<20	--	--	<500	4,100	<300	<100	<10	<50	<50	--	<50	110	--	<50	--	180,000	--	<500	<5,000	--
1995	Mar	<20	<0.10	--	<100	670	<50	<20	<0.50	<10	<10	--	<10	17	--	<10	--	270,000	--	<100	<1,000	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<20	<0.10	--	<300	3,500	<200	<50	<5.0	<30	27	--	<30	85	--	<30	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	240,000	--	<3.0	<1,000	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<100	<0.10	--	<200	3,300	<100	<40	<0.50	<20	<20	--	<20	88	--	<20	--	310,000Js|	--	<5.0	<20,000	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<100	<0.10	--	<200UJs|	2,700Js|	<100UJs|	<40UJs|	<5.0	<20UJs|	32Js|	--	29Js|	63Js|	--	38Js|	--	290,000	--	<200	<1,000	--
1996	Jun	<100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	<200	--	--	<300	3,900	<200	<50	--	<30	190	--	32	79	--	<30	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<10	--	--	<500	2,400Js|	<500	<500	--	<50	25Jt|J	--	28Jt|J	76Js|	--	25Jt|J	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<1.0	--	--	<100	1,100	<100	<100	--	<50	<50	--	<50	45Jt|J	--	<50	--	--	--	--	--	--
2000	Jul	<1.0	--	--	<100	620	490	<10	--	<10	3.4|J	--	<10	18	--	13	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<1.0	--	--	<200Rc|	2,000	76|J	6.3|J	--	<20	18Js|J	6.9|J	19|J	59	--	13Js|J	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.5	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<19Ux|	--	--	<2.0	--
2006	Nov	--	--	--	390|J	91	<200	<200	--	<20	<20	<20	<20	<20	11|J	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	73,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	76,000	<500	53	<250	<250	--	8.7|J	<25	<25	<25	<25	11|J	--	--	0.48|J	--	--	<1.0	--
2015	Sep	--	--	49,000	<1,000	44	<500	<500	--	14|J	<50	<50	<50	<50	19|J	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.3	--	--	0.65|J	--
2016	Sep	--	--	39,000	<2,000	36|J	<1,000	<1,000	--	<100	<100	<100	<100	<100	<100	--	--	310	--	--	<2.0	--
2017	Sep	--	--	39,000	<1,000	32	<500	<500	--	22|J	<50	<50	<50	<50	<50	--	--	0.98	--	--	<1.0	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		1,1-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	1,1-Dichloroethene	c-1,2-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	1,2-Dichloropropane	1,2-Dichloropropane	1,2-Dichloropropane	Ethylbenzene	Ethylbenzene	Tetrachloroethene	Tetrachloroethene	Tetrachloroethene
Method		8010/21	8240/60	601T	8010/21	8240/60	8010/21	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	8020T	8240/60	601T	8010/21	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	<5,000U|	<0.50U|	--	<3,000U|	--	<5,000U|	<0.50U|	--	<5,000U|	<0.50U|	--	<3,000U|	200	<5,000U|	88	--	<5,000U|
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<50UJh|	<5,000	--	<50UJh|	<3,000	<50UJh|	<5,000	--	<50UJh|	<5,000	--	<50UJh|	<3,000	--	<5,000	--	<50UJh|	<5,000
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<30	<1,000	--	<30	<500	<30	<1,000	--	<30	<1,000	--	<30	<500	--	<1,000	--	<30	<1,000
1994	Jul	<50	<10,000	--	<50	<5,000	<50	<10,000	--	<50	<10,000	--	<50	<5,000	--	<10,000	--	<50	<10,000
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<500	<10,000	--	<500	<5,000	<500	<10,000	--	<500	<10,000	--	<500	<5,000	--	<10,000	--	<500	<10,000
1995	Mar	<100	<2,000	--	<100	<1,000	<100	<2,000	--	<100	<2,000	--	<100	<1,000	--	<2,000	--	<100	<2,000
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	<3.0	<2,000	--	33JI|	<1,000	45	<2,000	--	<3.0	<2,000	--	<3.0	<1,000	--	<2,000	--	240	<2,000
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<5.0	<30,000	--	7.5	<20,000	43	<30,000	--	<5.0	<30,000	--	<5.0	<20,000	--	<30,000	--	95	<30,000
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<200	<2,000	--	<200	<1,000	<200	<2,000	--	<200	<2,000	--	<200	<1,000	--	<2,000	--	<200	<2,000
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	<2.5	--	--	<2.5	--	<2.5	--	--	9.0	--	--	14	--	--	--	--	260
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	1.8|J	--	--	2.6	--	14	--	--	9.8	--	--	<2.0	--	<2.0	--	--	350
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	0.67|J	--	--	2.0	--	4.7	--	--	1.1	--	--	<1.0	--	<1.0	--	--	230
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	0.61|J	--	--	2.4	--	7.0	--	--	1.2	--	--	<1.0	--	<1.0	--	--	200
2016	Sep	--	0.63|J	--	--	1.9|J	--	29	--	--	1.8|J	--	--	<2.0	--	<2.0	--	--	220
2017	Sep	--	0.68|J	--	--	<1.0	--	29	--	--	<1.0	--	--	<1.0	--	<1.0	--	--	110

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0002	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Toluene	Toluene	1,1,1-Trichloroethane	1,1,1-Trichloroethane	1,1,1-Trichloroethane	Trichloroethene	Trichloroethene	Trichloroethene	Xylenes (Total)	Xylenes (Total)	Benzene	Benzene	Carbon Disulfide	1,1-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene
Method		8020T	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	8020T	8240/60	8020T	8240/60	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	601T
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	540	<5,000U|	38	--	<5,000U|	280	--	<5,000U|	120	<5,000U|	530,000	270,000	<10,000U|	<0.50U|	--	<5,000U|	<0.50U|	--	<3,000U|	<0.50U|
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	<5,000	--	<50UJh|	<5,000	--	580Jh|	<5,000	--	<5,000	--	520,000	<10,000	--	<30U|	<5,000	--	<30U|	<3,000	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	<1,000	--	<30	<1,000	--	<30	<1,000	--	<1,000	--	570,000	--	--	<30	<5,000	--	<30	<3,000	--
1994	Jul	--	<10,000	--	<50	<10,000	--	230	<10,000	--	<10,000	--	470,000	<20,000	--	<50UJl|	<10,000	--	<50	<5,000	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<10,000	--	<500	<10,000	--	<500	<10,000	--	<10,000	--	340,000	<20,000	--	<500	<10,000	--	<500	<5,000	--
1995	Mar	--	<2,000	--	<100	<2,000	--	230	<2,000	--	<2,000	--	430,000	<10,000	--	<100	<5,000	--	<100	<3,000	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	<2,000	--	<3.0	<2,000	--	680	<2,000	--	<2,000	--	350,000	<10,000	--	<200	<5,000	--	<200	<3,000	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<30,000	--	<5.0	<30,000	--	220	<30,000	--	<30,000	--	330,000	<5,000	--	<5.0	<3,000	--	<5.0	<2,000	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<2,000	--	<200	<2,000	--	400	<2,000	--	<2,000	--	340,000	<4,000	--	<300	<2,000	--	<300	<1,000	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	150,000	<100	--	--	32	--	--	<250	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	<2.5	--	--	100	--	--	--	--	--	--	--	51	--	--	<5.0	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	<2.0	--	--	<2.0	--	--	130	--	--	--	170,000Jm|	<25,000	--	--	180	--	--	<100	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	0.24|J	--	--	<1.0	--	--	44	--	--	--	2.1	<10	--	--	180	--	--	1.2	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<1.0	--	--	<1.0	--	--	57	--	--	--	4.7	0.89	--	--	170	--	--	0.86|J	--
2016	Sep	--	<2.0	--	--	<2.0	--	--	67	--	--	--	6.4	<20	--	--	160	--	--	<1.0	--
2017	Sep	--	<1.0	--	--	<1.0	--	--	100	--	--	--	4.2	<10	--	--	100	--	--	0.66	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		1,1-Dichloroethene	1,1-Dichloroethene	c-1,2-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	1,2-Dichloropropane	1,2-Dichloropropane	1,2-Dichloropropane	Ethylbenzene	Ethylbenzene	Styrene	Styrene	Tetrachloroethene	Tetrachloroethene	Tetrachloroethene	Toluene	Toluene
Method		8010/21	8240/60	8010/21	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	8020T	8240/60	8020T	8240/60	601T	8010/21	8240/60	8020T	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	<3,000U|	--	<5,000U|	<0.50U|	--	<5,000U|	<0.50U|	--	<3,000U|	1,200	<5,000U|	95	<5,000UJI|	3.3	--	<5,000U|	320	<5,000U|
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<30U|	<3,000	<30U|	<5,000	--	<30U|	<5,000	--	<30U|	<3,000	--	<5,000	--	<5,000	--	<30U|	<5,000	--	<5,000
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<30	<3,000	29	<5,000	--	<30	<5,000	--	<30	<3,000	--	<5,000	--	<5,000	--	140	<5,000	--	<5,000
1994	Jul	<50	<5,000	<50	<10,000	--	<50	<10,000	--	<50	<5,000	--	<10,000	--	<10,000	--	<50	<10,000	--	<10,000
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<500	<5,000	<500	<10,000	--	<500	<10,000	--	<500	<5,000	--	<10,000	--	<10,000	--	<500	<10,000	--	<10,000
1995	Mar	<100	<3,000	<100	<5,000	--	<100	<5,000	--	<100	<3,000	--	<5,000	--	<5,000	--	<100	<5,000	--	<5,000
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	<200	<3,000	<200	<5,000	--	<200	<5,000	--	<200	<3,000	--	<5,000	--	<5,000	--	<200	<5,000	--	<5,000
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	11	<2,000	<5.0	<3,000	--	<5.0	<3,000	--	<5.0	<2,000	--	<3,000	--	<3,000	--	13	<3,000	--	<3,000
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<300	<1,000	<300	<2,000	--	<300	<2,000	--	<300	<1,000	--	<2,000	--	<2,000	--	<300	<2,000	--	<2,000
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	89	--	68	--	--	36	--	--	<5.0	--	<500	--	29	--	--	940	--	18
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	96	--	<2.5	--	--	72	--	--	63	--	--	--	--	--	--	420	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	230	--	100	--	--	71	--	--	<50	--	<2,500	--	<2,500	--	--	440	--	<2,500
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	220	--	19	--	--	7.1	--	--	<1.0	--	<1.0	--	<1.0	--	--	52	--	0.56|J
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	230	--	24	--	--	9.7	--	--	<2.0	--	0.30|J	--	<2.0	--	--	87	--	<2.0
2016	Sep	--	200	--	23	--	--	11	--	--	<2.0	--	<2.0	--	<2.0	--	--	110	--	<2.0
2017	Sep	--	130	--	18	--	--	17	--	--	<1.0	--	<1.0	--	<1.0	--	--	69	--	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0003	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		1,1,1-Trichloroethane	1,1,1-Trichloroethane	1,1,1-Trichloroethane	Trichloroethene	Trichloroethene	Trichloroethene	Vinyl Chloride	Vinyl Chloride	Xylenes (Total)	Xylenes (Total)	Benzene	Benzene	1,1-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	1,1-Dichloroethene	c-1,2-Dichloroethene
Method		601T	8010/21	8240/60	601T	8010/21	8240/60	8010/21	8240/60	8020T	8240/60	8020T	8240/60	601T	8010/21	8240/60	601T	8010/21	8240/60	8010/21
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	2.6	--	<5,000U|	10	--	<5,000U|	--	<3,000U|	120	<5,000U|	1,700,000	840,000	<50U|	--	<10,000U|	<50U|	--	<5,000U|	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	<30U|	<5,000	--	190JI|	<5,000	<30U|	<3,000	--	<5,000	--	1,800,000	--	<30U|	<10,000	--	<30U|	<5,000	<30U|
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	<30	<5,000	--	660	<5,000	<30	<3,000	--	<5,000	--	1,500,000	--	<30	<10,000	--	<30	<5,000	<30
1994	Jul	--	<50	<10,000	--	<50	<10,000	<50	<5,000	--	<10,000	--	1,400,000Jh|	--	<500	<20,000UJh|	--	<500	<10,000UJh|	<500
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<500	<10,000	--	<500	<10,000	<500	<5,000	--	<10,000	--	900,000	--	<500	<5,000	--	<500	<3,000	<500
1995	Mar	--	<100	<5,000	--	<100	<5,000	<100	<3,000	--	<5,000	--	2,200,000	--	<100	<20,000	--	<100	<10,000	<100
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	<200	<5,000	--	<200	<5,000	<200	<3,000	--	<5,000	--	1,400,000	--	<200	<20,000	--	<200	<10,000	<200
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<5.0	<3,000	--	7.3	<3,000	<5.0	<2,000	--	<3,000	--	1,200,000	--	<30	<10,000	--	<30	<5,000	<30
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<300	<2,000	--	<300	<2,000	<300	<1,000	--	<2,000	--	1,700,000	--	<300	<10,000	--	<300	<5,000	<300
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	920,000	--	<300	<10,000	--	<300	<5,000	<300
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	870,000	--	<500	<5,000	--	<500	<3,000	<500
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	870,000	--	<2.5	<12,000	--	0.97Jt|J	<12,000	6.4
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	950,000	--	<500UJs|	<25,000	--	<500UJs|	<25,000	<500UJs|
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	820,000	--	<10,000	<12,000	--	<10,000	<12,000	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	610,000	--	--	<5.0UJh|	--	--	<5.0UJh|	--
2004	Feb	--	--	<5.0	--	--	3,900	--	<5.0	--	<5.0	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	<2.5	--	--	2,300	--	<5.0	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	<50	--	--	2,400|J	--	<100	--	--	--	610,000Jm|	--	--	<50	--	--	<50	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	<1.0	--	--	110	--	1.0	--	--	--	46,000	--	--	83|J	--	--	<250	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	<2.0	--	--	150	--	1.2	--	--	--	49,000	--	--	<500	--	--	<500	--
2016	Sep	--	--	<2.0	--	--	150	--	0.89|J	--	--	--	80,000	--	--	160|J	--	--	<500	--
2017	Sep	--	--	<1.0	--	--	110	--	0.48|J	--	--	--	72,000	--	--	<500	--	--	<500	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0004	SWL0005	SWL0005	SWL0005	SWL0005
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	TBA	VOCs	VOCs
Analyte		c-1,2-Dichloroethene	Ethylbenzene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Tetrachloroethene	Tetrachloroethene	Toluene	Toluene	Trichloroethene	Trichloroethene	Trichloroethene	Xylenes (Total)	Xylenes (Total)	Pentachlorophenol	Tert-Butyl Alcohol (TBA)	Benzene	Benzene
Method		8240/60	8020T	8240/60	8240/60	8240/60	8240/60	8240/60	601T	8010/21	8240/60	8020T	8240/60	601T	8010/21	8240/60	8020T	8240/60	8270	8240/60	602T	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	<10,000U|	150	<10,000U|	--	--	--	<10,000UJ|	<50U|	--	<10,000U|	1,900	<10,000U|	<50U|	--	<10,000U|	640	<10,000U|	<5.0U|	--	2.5	3.1
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<10,000	--	<10,000	<10,000	<10,000	<10,000	<10,000	--	<30U|	<10,000	--	<10,000	--	<30U|	<10,000	--	<10,000	12	--	--	--	310
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<10,000	--	<10,000	<10,000	<10,000	<10,000	<10,000	--	160	<10,000	--	<10,000	--	870	<10,000	--	<10,000	8.3	--	--	--	2.2
1994	Jul	<20,000UJh|	--	<20,000UJh|	<20,000UJh|	<20,000UJh|	<20,000UJh|	<20,000UJh|	--	<500	<20,000UJh|	--	<20,000UJh|	--	<500	<20,000UJh|	--	<20,000UJh|	<5.0	--	--	33
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<5,000	--	<5,000	<5,000	<5,000	<5,000	<5,000	--	<500	<5,000	--	7,200	--	<500	<5,000	--	<5,000	<5.0	--	--	--	1.8
1995	Mar	<20,000	--	<20,000	<20,000	<20,000	<20,000	<20,000	--	<100	<20,000	--	<20,000	--	<100	<20,000	--	<20,000	--	--	--	--	1.3
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50
1995	Jul	<20,000	--	<20,000	<20,000	<20,000	<20,000	<20,000	--	<200	<20,000	--	<20,000	--	<200	<20,000	--	<20,000	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<10,000	--	<10,000	<10,000	<10,000	<10,000	<10,000	--	<30	<10,000	--	<10,000	--	<30	<10,000	--	<10,000	--	--	--	--	2.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<10,000	--	<10,000	<10,000	<10,000	<10,000	<10,000	--	<300	<10,000	--	<10,000	--	<300	<10,000	--	<10,000	<10	--	--	--	0.81
1996	Jun	<10,000	--	<10,000	<10,000	<10,000	<10,000	<10,000	--	<300	<10,000	--	<10,000	--	<300	<10,000	--	<10,000	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50
1997	Feb	<5,000	--	<5,000	<5,000	<5,000	<5,000	<5,000	--	<500	<5,000	--	5,600	--	<500	<5,000	--	<5,000	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<6,200	--	<12,000	<12,000	<12,000	<12,000	<12,000	--	12	<12,000	--	<12,000	--	<2.5	<12,000	--	<12,000	--	--	--	--	0.67Jt|J
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<25,000	--	<25,000	<25,000	<25,000	<25,000	<25,000	--	<500UJs|	<25,000	--	<25,000	--	<500UJs|	<25,000	--	<25,000	--	--	--	--	0.42Jt|J
2000	Jul	<12,000	--	<12,000	<12,000	<12,000	<12,000	<12,000	--	<10,000	<12,000	--	<12,000	--	<10,000	<12,000	--	<12,000	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	7.4Jh|	--	1,200	23Jh|	20Jh|	5.9Jh|	780Jh|	--	--	55Jh|	--	1,300Jh|	--	--	37Jh|	--	28Jh|	--	--	--	<0.50
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	<50	--	<5,000	<5,000	<50,000	<5,000	<5,000	--	--	62	--	<5,000	--	--	530	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.43|J
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10UJm|	--	<0.50
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<250	--	44|J	<250	<2,500	<250	<250	--	--	<250	--	<250	--	--	<250	--	--	--	--	--	--	<0.50
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<500	--	<500	<500	<5,000	<500	<500	--	--	<500	--	<500	--	--	<500	--	--	--	--	--	--	<0.50
2016	Sep	<500	--	<500	<500	<5,000	<500	<500	--	--	<500	--	<500	--	--	<500	--	--	--	<10	--	--	<0.50
2017	Sep	<500	--	94|J	<500	<5,000	<500	<500	--	--	<500	--	160|J	--	--	<500	--	--	--	<10	--	--	<0.50

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0005	SWL0006	SWL0006	SWL0006	SWL0006
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	SVOCs	SVOCs	TBA	VOCs
Analyte		Chloroform	Chloroform	Dichlordifluoromethane	Ethylbenzene	Ethylbenzene	Isopropylbenzene	Naphthalene	Tetrachloroethene	Tetrachloroethene	Toluene	Toluene	Trichloroethene	Trichloroethene	1,2,4-Trimethylbenzene	Vinyl Chloride	pCBSA	N-Nitrosodimethylamine	N-Nitrosodimethylamine	Tert-Butyl Alcohol (TBA)	Acetone
Method		601T	8240/60	8240/60	602T	8240/60	8240/60	8240/60	601T	8240/60	602T	8240/60	601T	8240/60	8240/60	8240/60	300.0T	1625M	8270	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	<0.50U|	<0.50U|	--	<0.50U|	<1.0U|	--	--	2.5	2.5	0.50	<1.0U|	1.0	<1.0U|	--	<0.50U|	--	--	<6.0U|	--	74
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	<10	<100	--	85	<20	<20	--	<20	--	<20	--	<20	<20	<10	--	--	<6.0	--	<10
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	<0.50	7.0	--	<1.0	<1.0	<1.0	--	3.3	--	<1.0	--	<1.0	2.3	<0.50	--	--	<6.0	--	<10
1994	Jul	--	<5.0	<50	--	<10	<10	<10	--	<10	--	<10	--	<10	<10	<5.0	--	--	<6.0	--	<10
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<0.50	5.9	--	<1.0UJl|	<1.0	<1.0	--	3.2	--	<1.0	--	<1.0UJl|	2.2	<0.50	--	--	<6.0	--	<10
1995	Mar	--	0.51	17	--	<1.0	<1.0	<1.0	--	3.7	--	<1.0	--	<1.0	<1.0	<0.50	<0.10	--	<6.0	--	<10
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	0.54	9.1	--	<1.0	<1.0	<1.0	--	3.3	--	<1.0	--	<1.0	<1.0	<0.50	<0.10	--	<6.0	--	<10
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	0.51	9.5	--	<1.0	<1.0	<1.0	--	2.8	--	<1.0	--	<1.0	<1.0	<0.50	<0.10	--	<5.0	--	<10
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	0.74	7.3Jl|	--	<1.0	<1.0	<1.0	--	3.2	--	<1.0	--	0.79	<1.0	<0.50	<0.10	--	<5.0	--	<10
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10UJs|
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10
1997	Jan	--	<0.50	3.4	--	<1.0	<1.0	<1.0	--	2.1	--	<1.0	--	<1.0	<1.0	<0.50	--	--	--	--	<10
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	0.47Jt|J	4.3	--	<1.0	0.29Jt|J	0.52Jt|J	--	2.3	--	<1.0	--	0.73Jt|J	<1.0	<2.0	--	--	--	--	<10
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	0.40Jt|J	3.5	--	<1.0	0.16Jt|J	<1.0	--	1.7	--	<1.0	--	0.57Jt|J	<1.0	0.40Jt|J	--	--	--	--	<2.0
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0011|J	--	--	<10
2000	Aug	--	0.31|J	1.8|J	--	<1.0	<1.0	<1.0	--	1.4	--	<1.0	--	0.52|J	<1.0	<2.0	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<1.0	1.0	--	<1.0	<1.0	<10	--	0.84|J	--	<1.0	--	<1.0	<1.0	<0.50	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	<1.0	<1.0	--	<1.0	<1.0	<10	--	<1.0	--	<1.0	--	<1.0	<1.0	<0.50	--	--	--	--	<50
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	<1.0	<1.0	--	<1.0	<1.0	<10	--	<1.0	--	<1.0	--	<1.0UJm|	<1.0	<0.50	--	--	--	<10UJm|	<20
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<1.0	<1.0	--	<1.0	<1.0	<10	--	<1.0	--	<1.0	--	<1.0	<1.0	<0.50	--	--	--	--	<20
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<1.0	<1.0	--	<1.0	<1.0	<10	--	<1.0	--	<1.0	--	<1.0	<1.0	<0.50	--	--	--	--	<20
2016	Sep	--	<1.0	<1.0	--	<1.0	<1.0	<10	--	<1.0	--	<1.0	--	<1.0	<1.0	<0.50	--	--	--	--	<20
2017	Sep	--	<1.0	<1.0	--	<1.0	<1.0	<10	--	<1.0	--	<1.0	--	<1.0	<1.0	<0.50	--	--	--	--	<20

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0006	SWL0006	SWL0006	SWL0006	SWL0006	SWL0006	SWL0006	SWL0006	SWL0006	SWL0006	SWL0006	SWL0007	SWL0007	SWL0007	SWL0007	SWL0007	SWL0007	SWL0007	SWL0007	SWL0007	SWL0007
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Benzene	Benzene	2-Butanone	Carbon Disulfide	Methylene Chloride	Methylene Chloride	Toluene	Toluene	Trichloroethene	Trichloroethene	pCBSA	Acetone	Benzene	Benzene	Benzene	Chloroform	Chloromethane	Cyclohexane	1,1-Dichloroethane	c-1,2-Dichloroethene	Ethylbenzene
Method		602T	8240/60	8240/60	8240/60	601T	8240/60	602T	8240/60	601T	8240/60	300.0T	8240/60	8015	8020T	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	11	18	80	<2.0U|	<0.50U|	<1.0U|	0.60	<1.0U|	<0.50U|	<1.0U|	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	<500U|	--	--	<30U|	<30U|	<50U|	--	<50UJl|	<50U|	<50U|
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	<0.50	<5.0	<2.0	--	<1.0	--	3.8	--	<1.0	--	48	--	--	0.64	<0.50	11	<10	<1.0	<1.0	<1.0
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	<100	--	0.92	<5.0	<5.0	<10	530	<10	<10	<10
1994	May	--	<0.50	<5.0	--	--	<1.0	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	0.69	<5.0	7.9Jl|	--	<17Ub|	--	<1.0	--	<1.0	--	29	<0.50	--	--	0.76	<1.0	980	<1.0	<1.0	<1.0
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<0.50	<5.0	<2.0	--	<1.0	--	<1.0	--	<1.0	--	<100	--	<0.50	--	<5.0	<10	1,000	<10	<10	<10
1995	Mar	--	<0.50	<5.0	<2.0	--	<1.0	--	<1.0	--	<1.0	<0.10	56	--	1.0	--	<0.50	<1.0	120	<1.0	<1.0	<1.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	0.58	<5.0	<2.0	--	<1.0	--	<1.0	--	<1.0	<0.10	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	80	--	2.1	--	<0.50	<1.0	85	<1.0	<1.0	1.1
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<0.50	<5.0	<2.0	--	1.2	--	<1.0	--	<1.0	<0.10	25	--	1.9	--	0.66	<1.0	64	<1.0	<1.0	<1.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<0.50	<5.0	<2.0	--	<1.0	--	<1.0	--	<1.0	<0.10	26	--	<0.50	--	0.75	<1.0	69	<1.0	<1.0	<1.0
1996	Jun	--	<0.50UJs|	<5.0UJs|	<2.0UJs|	--	<1.0UJs|	--	<1.0UJs|	--	<1.0UJs|	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	<0.50	<5.0	<2.0	--	<1.0	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	<0.50	<5.0	<2.0	--	<1.0	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	27	--	--	<0.50	<0.50	<1.0	25	<1.0	<1.0	8.6
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	0.11Jt|J	<10	<10	--	<5.0	--	<1.0	--	<1.0	--	<10Rl|	--	--	0.99Jt|J	0.58Jt|J	<2.0	41	<1.0	0.48Jt|J	<1.0
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<1.0	<2.0	<2.0	--	<1.0	--	<1.0	--	<1.0	--	<5.8Ub|	--	--	1.0	0.63Jt|J	<1.0	<2.0	0.36Jt|J	0.62Jt|J	<1.0
2000	Jul	--	<1.0	<5.0	<1.0	--	<1.0	--	<1.0	--	<1.0	--	8.2|J	--	--	0.89|J	0.50|J	<2.0	--	<1.0	0.47|J	<1.0
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	<0.50	<10	<10	--	<10	--	<1.0	--	<1.0	--	<10Uy|J	--	--	1.4	0.55|J	<10	--	<1.0	<1.0	<1.0
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	<0.50	<10	<10	--	<10	--	<1.0	--	<0.20	--	<50	--	--	3.0	0.77|J	<10	--	<1.0	<1.0	<1.0
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	<0.50	<10	<10	--	<10	--	<1.0	--	<1.0UJm|	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<0.50	<10	<10	--	<10	--	<1.0	--	<1.0	--	<20	--	--	0.15|J	<1.0	<10	<10	<1.0	<1.0	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<0.50	<10	<10	--	<10	--	<1.0	--	<1.0	--	<20	--	--	0.90	<1.0	<10	<10	<1.0	<1.0	<1.0
2016	Sep	--	<0.50	<10	<10	--	<10	--	<1.0	--	<1.0	--	<20	--	--	0.17|J	<1.0	<10	<10	<1.0	<1.0	<1.0
2017	Sep	--	<0.50	<10	<10	--	<10	--	<1.0	--	0.49|J	--	<20	--	--	<0.50	<1.0	<10	<10	<1.0	<1.0	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0007	SWL0007	SWL0007	SWL0007	SWL0007	SWL0007	SWL0007	SWL0007	SWL0007	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Freon 11 (Trichlorofluoromethane)	Isopropylbenzene	Methylene Chloride	Toluene	Toluene	Toluene	1,1,2-Trichloroethane	Trichloroethene	Xylenes (Total)	2-Methylnaphthalene	Phenol	Tert-Butyl Alcohol (TBA)	Benzene	Benzene	Bromoform	Bromoform	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene
Method		8240/60	8240/60	8240/60	8015	8020T	8240/60	8240/60	8240/60	8240/60	8270	8270	8240/60	8020T	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8010/21
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	110	92	--	230,000	100,000J|	--	<1,000U|	--	--	--	--
1993	May	<50U|	--	<50U|	--	--	<50U|	<30U|	<50U|	<100U|	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	9.0	<1.0	<1.0	--	--	<1.0	<0.50	1.9	<1.0	120	200	--	--	99,000	<50	<1,000	--	<1,000	<1,000	<50
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	<10	<10	<10	--	0.89	<10	<5.0	<10	<10	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	71	200	--	--	100,000	5.1	<1,000	--	<1,000	<1,000	10
1994	Jul	11JI|	<1.0	<1.0	<0.81Ub|	--	--	<0.50	2.8JI|	<1.0	74	670	--	--	100,000	<50	<10,000	--	<10,000	<10,000	<50
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<10	<10	<10	--	1.0	--	<5.0	<10	<10	89	770	--	--	91,000	<500	<1,000	--	<1,000	<1,000	<500
1995	Mar	3.5	<1.0	1.8	--	1.4	--	<0.50	2.5	<1.0	15	85	--	--	55,000	<50	<500	--	<500	<500	<50
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	7.4	<1.0	<1.0	--	<0.58Ub|	--	<0.50	2.5	5.4	<5.0	24	--	--	25,000	<30	<200	--	<200	<200	<30
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1.0	<1.0	<1.0	--	1.2	--	<0.50	2.4	<1.0	<5.0	26	--	--	12,000	<20	<100	--	<100	<100	<20
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	4.4	<1.0	<1.0	--	<0.50	--	<0.50	2.9	<1.0	5.0	14	--	--	11,000	<30	<100	--	<100	<100	<30
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	24,000	<50	<500	--	<500	<500	<50
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	23,000	<1.0	<300	--	<300	<300	<1.0
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	5.5	<1.0	<1.0	--	--	<1.0	<0.50	2.0	<1.0	--	--	--	--	2,300	--	<20	--	<20	<20	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	5.6JI|	0.13Jt|J	<0.20Ub|J	--	--	0.54Jt|J	1.1	2.0	<1.0	--	--	--	--	25,000	--	<500	--	--	<500	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	7.8	<1.0	0.38Jtb|J	--	--	0.40Jt|J	<1.0	2.0	<1.0	--	--	--	--	1,700	--	<50	--	--	<50	--
2000	Jul	4.3	<1.0	<1.0	--	--	<1.0	<1.0	2.0	<1.0	--	--	--	--	9,300	--	<100	--	<100	<100	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	49,000	--	<500	<500	<500	<500	--
2004	Feb	2.7|J	0.18|J	<10	--	--	<1.0	<1.0	<1.4Uy|	0.44|J	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	21,000	--	<25	<200	<200	<200	--
2006	Nov	3.9|J	<1.0	<10	--	--	<1.0	<1.0	1.0|J	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	6.5|J	<1.0	<10	--	--	0.25|J	<1.0	0.46|J	--	--	--	36	--	12	--	<1.0	1.3	16	0.60|J	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	27	--	3.9	--	<1.0	<1.0	14	0.82|J	--
2015	Oct	8.1|J	<1.0	<10	--	--	<1.0	<1.0	1.5	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	6.5|J	<1.0	<10	--	--	<1.0	<1.0	0.51|J	--	--	--	25	--	2.5	--	<1.0	4.4	4.0	0.58|J	--
2017	Sep	8.8|J	<1.0	<10	--	--	<1.0	<1.0	0.44|J	--	--	--	28	--	56	--	<1.0	8.4	12	0.65|J	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Chlorobenzene	Chlorodibromomethane	Chlorodibromomethane	Chloroethane	Chloroethane	Cyclohexane	1,2-Dichlorobenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethane	c-1,2-Dichloroethene	c-1,2-Dichloroethene	Ethylbenzene	Ethylbenzene	Isopropylbenzene	Methyl Tert-butyl ether (MTBE)	Naphthalene	Naphthalene	n-Propylbenzene
Method		8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8020T	8240/60	8240/60	8240/60	8240/60	8270	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	<1,000U|	--	<1,000U|	--	<1,000U|	--	--	<1,000U|	--	<500U|	--	<1,000U|	<500U|	<1,000U|	--	--	--	180	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<1,000	<50	<1,000	<50	<1,000	<10,000	<50	<1,000	59	<500	<50	<1,000	--	1,700	<1,000	--	<1,000	400	<1,000
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<1,000	6.7	<1,000	1.2	<1,000	<10,000	1.1	<1,000	<0.50	<500	<0.50	<1,000	--	2,100	<1,000	--	<1,000	390	<1,000
1994	Jul	<10,000	<50	<10,000	<50	<10,000	<100,000	<50	<10,000	77	<5,000	<50	<10,000	--	<10,000	<10,000	--	<10,000	530	<10,000
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<1,000	<500	<1,000	<500	<1,000	<10,000	<500	<1,000	<500	<500	<500	<1,000	--	2,300	<1,000	--	<1,000	480	<1,000
1995	Mar	<500	<50	<500	<50	<500	<5,000	<50	<500	<50	<300	<50	<500	--	<500	<500	--	<500	65	<500
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	<200	<30	<200	<30	<200	<2,000	<30	<200	75	<100	<30	<200	--	420	<200	--	<200	48	<200
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<100	<20	<100	<20	<100	<1,000	<20	<100	<20	<50	<20	<100	--	410	<100	--	<100	110	<100
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<100	<30	<100	<30	<100	<1,000	<30	<100	<30	210	<30	<100	--	800	<100	--	150	120	<100
1996	Jun	<500	<50	<500	<50	<500	<5,000	<50	<500	73	<300	<50	<500	--	1,400	<500	--	<500	--	<500
1996	Oct	<300	<1.0	<300	<1.0	<300	<3,000	<1.0	<300	41	<200	<1.0	<300	--	1,300	<300	--	<300	--	<300
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	<20	--	<20	--	<20	<200	--	<20	--	<10	--	<20	--	83	<20	--	<20	--	<20
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<500	--	<500	--	<1,000	<5,000	--	<500	--	<500	--	<250	--	160Jt|J	<500	--	<500	--	<500
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<50	--	<50	--	<50	<100	--	<50	--	50	--	<50	--	110	9.2Jt|J	--	15Jt|J	--	16Jt|J
2000	Jul	<100	--	<100	--	<200	--	--	<100	--	<100	--	<100	--	590	44|J	--	50|J	--	98|J
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<500	--	<500	--	<500	--	--	<500	--	<250	--	<500	--	1,900	93|J	<500	330|J	--	180|J
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	<200	--	<25	--	<200	--	--	<25	--	<50	--	<25	--	2,000	100|J	<200	290|J	--	300
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	--	<1.0	--	<5.0	19	--	<1.0	--	3.2	--	1.9	--	0.31|J	3.6	0.66|J	<10	--	3.1
2015	Sep	<1.0	--	<1.0	--	<5.0	22	--	<1.0	--	2.1	--	2.4	--	0.16|J	2.2	<1.0	<10	--	1.1
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	<1.0	--	<1.0	--	<5.0	<10	--	<1.0	--	2.9	--	0.97|J	--	<1.0	0.60|J	<1.0	<10	--	0.36|J
2017	Sep	<1.0	--	<1.0	--	<5.0	25	--	<1.0	--	<0.50	--	0.66|J	--	4.7	17	0.46|J	8.2|J	--	31

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0008	SWL0009	SWL0009	SWL0009	SWL0009	SWL0009	SWL0009	SWL0009
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	SVOCs	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs
Analyte		Toluene	Toluene	1,1,2-Trichloro-1,2,2-Trifluoroethane	Trichloroethene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylene	o-Xylene	Xylenes (Total)	Xylenes (Total)	pCBSA	N-Nitrosodimethylamine	N-Nitrosodimethylamine	Tert-Butyl Alcohol (TBA)	Benzene	Chlorobenzene	Chloroethane	Chloroform
Method		8020T	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8240/60	8020T	8240/60	300.0T	1625M	8270	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	5,300	<1,000U|	--	--	<1,000U|	--	--	--	--	12,000	<1,000U|	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	<6.0U|	--	<0.50U|	1.8	<1.0U|	<0.50U|
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	1,300	<2,000	<50	<1,000	<1,000	<1,000	--	--	--	<1,000	--	--	<6.0	--	1.3	<1.0	<1.0	<0.50
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	1,300	<2,000	<0.50	<1,000	2,000	<1,000	--	--	--	1,500	--	--	<6.0	--	<0.50	<1.0	<1.0	<0.50
1994	Jul	--	<10,000	<20,000	<50	<10,000	<10,000	<10,000	--	--	--	<10,000	--	--	<6.0	--	86	<1.0	<1.0	<0.50
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	1,800	<2,000	<500	<1,000	1,700	<1,000	--	--	--	1,400JI|	--	--	<6.0	--	1.1	<1.0UJI|	<1.0	<0.50
1995	Mar	--	<500	<1,000	<50	<500	<500	<500	--	--	--	<500	<0.10	--	--	--	0.77	<1.0	<1.0	<0.50
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.85	<1.0	<1.0	<0.50
1995	Jul	--	250	<400	<30	<200	380	<200	--	--	--	410	<0.10Jd|	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<100	<200	<20	<100	350	<100	--	--	--	110	<0.10	--	--	--	<0.50	<1.0	<1.0	<0.50
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	160	<200	<30	<100	700	<100	--	--	--	300	<0.10	--	--	--	<0.50	<1.0	<1.0	<0.50
1996	Jun	--	<500	<1,000	<50	<500	960	<500	--	--	--	<500	--	--	--	--	--	--	--	--
1996	Oct	--	310	<500	<1.0	<300	1,400	<300	--	--	--	520	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<1.0	<1.0	<0.50
1997	Feb	--	28	<40	--	<20	<20	<20	--	--	--	66	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.57Jt|J	0.36Jt|J	0.52Jt|J	<1.0
1998	Mar	--	<500|J	<500	--	<500	180Jt|J	<500	--	--	--	<500	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	24Jt|J	<100	--	<50	56	7.5Jt|J	--	--	--	120	--	--	--	--	<5.0	<5.0	<5.0	<5.0
2000	Jul	--	<100	<100	--	<100	650	<100	--	--	--	260	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	0.0017|J	--	--	<1.0	<1.0	<2.0	0.41|J
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<500	--	--	<500	130|J	<500	--	--	--	360|J	--	--	--	--	<0.50	<1.0	<1.0	<1.0
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	<200	160|J	--	<10	790	<200	81|J	<200	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.29|J	0.22|J	<1.0	0.61|J
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	0.59|J	<10	--	2.1	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	<0.50	<1.0	<5.0	<1.0
2015	Sep	--	0.51|J	<10	--	2.4	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<1.0	<5.0	<1.0
2016	Sep	--	0.29|J	<10	--	1.1	<1.0	<1.0	0.32|J	<1.0	--	--	--	--	--	<10	<0.50	0.21|J	<5.0	0.48|J
2017	Sep	--	3.7	<10	--	0.82|J	<1.0	<1.0	1.1	0.35|J	--	--	--	--	--	<10	<0.50	0.18|J	<5.0	0.56|J

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0009	SWL0009	SWL0009	SWL0009	SWL0009	SWL0009	SWL0009	SWL0009	SWL0009	SWL0009	SWL0009	SWL0009	SWL0009	SWL0010	SWL0010	SWL0010	SWL0010	SWL0010
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	TBA	VOCs	VOCs	VOCs	pCBSA
Analyte		1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Isopropylbenzene	Methylene Chloride	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Tert-Butyl Alcohol (TBA)	Carbon Disulfide	Chloroform	Toluene	pCBSA
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	2.7	22	<0.50U|	<0.50U|	17	<1.0U|	<0.50U|	<1.0U|	--	<1.0U|	25	20	<0.50U|	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.0U|	<0.50U|	<1.0U|	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<1.0	88	1.2	<0.50	33	1.2	<0.50	<1.0	<1.0	1.2	43	52	5.6	--	<2.0	0.76	<1.0	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<1.0	<0.10
1994	May	<1.0	89	1.2	<0.50	27	<1.0	<0.50	<1.0	<1.0	<1.0	40	43	5.7	--	--	--	--	--
1994	Jul	<1.0	98	<0.50	<0.50	<1.0	1.1	<0.50	1.1	<1.0	1.4	37	50J|	4.7	--	<2.0	<0.50	<1.0	<0.10
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<1.0	88	1.4	<0.50	26	1.0	<0.50	<1.0UJI|	<1.0	<1.0	38	43JI|	5.2	--	<2.0	<0.50	<1.0	<0.10
1995	Mar	<1.0	88	<0.50	<0.50	32	1.8	<0.50	<1.0	<1.0	<1.0	44	43	8.0	--	<2.0	<0.50	<1.0	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<1.0	110	1.7	<0.50	27	<1.0	<0.50	<1.0	<1.0	<1.0	36	44	7.0	--	<2.0	<0.50	<1.0UJI|	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1.0	85	<0.50	<0.50	23	<1.0	<0.50	<1.0	<1.0	<1.0	44	38	<0.50	--	3.0	<0.50	<1.0	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<1.0	87	1.5	<0.50	27	<1.0	<0.50	<1.0	<1.0	2.7	34	37	10	--	<2.0	<0.50	<1.0	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	<1.0	88	1.7	<0.50	27	<1.0	<0.50	<1.0	<1.0	<1.0	29	37	5.0	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	0.36Jt|J	78	1.6	0.90Jt|J	39	0.95	0.37Jt|J	<1.0	0.16Jt|J	<0.70Ub|J	36	35	6.2	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	0.72Jt|J	68	1.7Jt|J	<5.0	28	<5.0	<5.0	<5.0	<5.0	<5.0	23	20	3.9Jt|J	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	0.47|J	70	1.7	0.49|J	26	0.61|J	<1.0	<1.0	<1.0	0.45|J	29	25	3.9	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	0.66|J	35	1.4	<1.0	17	<1.0	<1.0	<1.0	<1.0	<10	18	14	0.66	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	0.87|J	38	1.6	<1.0	19	<1.0	<1.0	<1.0	<1.0	<10	14	12	0.89	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	0.77|J	19	0.95	<1.0	9.8	<1.0	<1.0	<1.0	<1.0	<10	6.7	5.6	0.35|J	--	<10	<1.0	0.60|J	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	1.1	25	1.1	<1.0	12	<1.0	<1.0	<1.0	<1.0	<10	10	7.7	0.57	--	0.43|J	<1.0	<1.0	--
2016	Sep	1.3	29	1.4	<1.0	12	<1.0	<1.0	<1.0	<1.0	<10	12	7.6	0.49|J	<10	<10	<1.0	<1.0	--
2017	Sep	1.8	35	1.5	<1.0	12	<1.0	<1.0	<1.0	<1.0	<10	8.6	6.9	0.58	<10	<10	<1.0	<1.0	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0010	SWL0011	SWL0011	SWL0011	SWL0011	SWL0011	SWL0011	SWL0013	SWL0013	SWL0013	SWL0013	SWL0013	SWL0014	SWL0014	SWL0014	SWL0014	SWL0014
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		pCBSA	TBA	VOCs	VOCs	VOCs	pCBSA	pCBSA	TBA	VOCs	VOCs	pCBSA	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		pCBSA	Tert-Butyl Alcohol (TBA)	Benzene	Chloroform	Freon 11 (Trichlorofluoromethane)	pCBSA	pCBSA	Tert-Butyl Alcohol (TBA)	Benzene	Toluene	pCBSA	pCBSA	Benzene	Dichlordifluoromethane	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloroethane
Method		ICT	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	8240/60	8240/60	8240/60	300.0T	ICT	8240/60	8240/60	8240/60	8240/60	8240/60
Units		mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	<0.50U|	<0.50U|	<1.0U|	--	--	--	<0.50U|	<1.0U|	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	<0.50U|	--	<1.0U|	<1.0U|	<0.50U|
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<0.10	--	5.8	<0.50	<1.0	--	<0.10	--	8.1	<1.0	--	<0.10	0.66	<5.0	<1.0	<1.0	<0.50
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	<0.50	20	2.2	<0.10	--	--	<0.50	<1.0	<0.10	--	<0.50	<5.0	<1.0	<1.0	<0.50
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	<0.50	<0.50	<1.0	<0.10	--	--	<0.50	<1.0	<0.10	--	<0.50	<5.0	<1.0	<1.0	<0.50
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	<0.50	<0.50	<1.0	<0.10	--	--	<0.50	<1.0	<0.10	--	<0.50	<5.0	0.66	0.99	<0.50
1995	Mar	--	--	<0.50	<0.50	<1.0	--	--	--	<0.50	<1.0	--	--	<0.50	<5.0	<1.0	<1.0	<0.50
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	<0.50	<0.50	<1.0	--	--	--	<0.50	<1.0	--	--	<0.50	<5.0	<1.0	<1.0	<0.50
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	<0.50UJs|	<0.50UJs|	<1.0UJs|	--	--	--	<0.50	<1.0	--	--	<0.50	<5.0	<1.0	<1.0	<0.50
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	--	<0.50	<0.50	<1.0	--	--	--	<0.50	<1.0	--	--	<0.50	<5.0	<1.0	<1.0	<0.50
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	<0.50	<0.50	<1.0	--	--	--	<0.50	<1.0	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	<1.0	<1.0	<2.0	--	--	--	0.14Jt|J	<1.0	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	<1.0	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	0.47|J	<1.0	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	<0.58Ux|	<1.0	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	<10	--	--	--	--	--	<10	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	<0.50	0.43|J	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	<0.50	<1.0	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	<10	<0.50	<1.0	--	--	<0.50	0.61|J	<1.0	<1.0	0.28|J
2017	Sep	--	--	--	--	--	--	--	<10	<0.50	<1.0	--	--	<0.50	<1.0	<1.0	<1.0	<0.50

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0014	SWL0014	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015	SWL0015
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		pCBSA	pCBSA	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		pCBSA	pCBSA	Tert-Butyl Alcohol (TBA)	Benzene	sec-Butylbenzene	Chlorobenzene	Chloroform	Cyclohexane	Di-isopropyl ether (DIPE)	1,2-Dichlorobenzene	1,4-Dichlorobenzene	c-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methyl Tert-butyl ether (MTBE)	n-Propylbenzene	Toluene	Vinyl Chloride	m,p-Xylene
Method		300.0T	ICT	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	9.0	--	12	0.85	--	--	<1.0U|	2.6	1.4	<1.0U|	--	--	--	<1.0U|	<0.50U|	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	<0.10	--	3.3	<1.0	15	<0.50	<10	--	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0	<0.50	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	<0.10	--	--	2.7	<1.0	15	<0.50	<10	--	<1.0	2.8	1.1	<1.0	<1.0	--	<1.0	<1.0	<0.50	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<0.10	--	--	2.7	<1.0	14	<0.50	<10	--	<1.0	2.9	<1.0	<1.0	<1.0	--	<1.0	<1.0	<0.50	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<0.10	--	--	3.5	<1.0	24	<0.50	11	--	1.2	4.9	1.4	<1.0	<1.0	--	<1.0	1.0	3.0	--
1995	Mar	<0.10	--	--	2.9	<1.0	17	<0.50	5.2	--	<1.0	3.6	1.1	<1.0	<1.0	--	<1.0	<1.0	1.5	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<0.10	--	--	2.9	<1.0	15	<0.50	4.4	--	<1.0	3.2	1.3	<1.0	<1.0	--	<1.0	<1.0	<0.50	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<0.10	--	--	2.8	<1.0	15	<0.50	<10	--	<1.0	3.4	1.1	<1.0	<1.0	--	<1.0	<1.0	<0.50	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<0.10	--	--	2.9	<1.0	15	<0.50	<10	--	<1.0	3.0	0.90	<1.0	<1.0	--	<1.0	<1.0	<0.50	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	17	2.3	0.28|J	7.2	<1.0	<10	0.69|J	<1.0	1.1	1.2	0.20|J	<1.0	0.86|J	<1.0	0.61|J	0.46|J	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	22	2.9	0.31|J	11	<1.0	<10	--	<1.0	1.6	1.2	0.23|J	0.70|J	0.65|J	<1.0	0.39|J	<0.50	0.34|J
2016	Sep	--	--	30	3.0	0.27|J	10	<1.0	4.4|J	0.60|J	<1.0	1.6	1.1	0.24|J	<1.0	0.78|J	<1.0	0.41|J	0.46|J	0.34|J
2017	Sep	--	--	35	2.7	0.37|J	10	<1.0	<10	0.66|J	<1.0	1.6	0.69|J	0.23|J	0.72|J	<1.0	0.19|J	0.31|J	<0.50	0.29|J

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0016	SWL0016	SWL0016	SWL0016	SWL0016	SWL0016	SWL0016	SWL0016	SWL0016	SWL0016	SWL0016	SWL0017	SWL0017	SWL0017	SWL0017	SWL0017	SWL0017	SWL0017	SWL0017
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Tert-Butyl Alcohol (TBA)	Benzene	sec-Butylbenzene	Chloroform	1,1-Dichloroethane	1,1-Dichloroethene	Ethylbenzene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Xylenes (Total)	Benzene	Chloroform	Chloromethane	Naphthalene	1,1,2,2-Tetrachloroethane	Toluene	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,2,3-Trichlorobenzene
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	19	--	<3.0U|	<5.0U|	120	<5.0U|	320	9.2	9.2	<5.0U|	26	5.2	<1.0U|	--	<0.50U|	1.6	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	<16Ub|	<5.0	<3.0	<5.0	180	<5.0	410	10	<5.0	<5.0	6.4	6.4	<1.0	<1.0	<0.50	<1.0	<2.0	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	7.8	5.4	<1.0	<1.0	<0.50	<1.0	<2.0	--
1994	May	--	4.6	12	<3.0	<5.0	140	<5.0	350	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--
1994	Jul	--	13	<10	<5.0	<10	170J|	<10	320	<10	<10	<10	7.9	6.0	<1.0	<1.0	<0.50	<1.0	<2.0	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	8.8	9.8	<3.0	<5.0	160	8.4	350	<5.0	<5.0	10	19	4.6	<1.0	<1.0	<0.50	1.7	<2.0	--
1995	Mar	--	4.7	<5.0	<3.0	<5.0	66	<5.0	280	<5.0	<5.0	<5.0	3.7	4.7	<1.0	<1.0	<0.50	<1.0	<2.0	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	13	4.1	<1.0	<1.0	<0.50	<1.0	<2.0	--
1995	Jul	--	21Js|	<5.0UJs|	<3.0UJs|	<5.0UJs|	89Js|	<5.0UJs|	340Js|	<5.0UJs|	<5.0UJs|	<5.0UJs|	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<3.0	<5.0	<3.0	<5.0	120	<5.0	340	<5.0	<5.0	<5.0	8.0	3.1	<1.0	3.9	0.90	<1.0	<2.0	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	7.5	7.6	<3.0	<5.0	140	<5.0	350	3.2	<5.0	<5.0	11	1.8	<1.0	<1.0	<0.50	<1.0	<2.0	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	0.76	2.6	0.77|J	0.70|J	19	<1.0	120	<1.0	1.8	<1.0	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	5.5	2.3	<10	<10Uz|J	<1.0	0.41|J	--	<1.0Uz|J
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	<0.50	0.68|J	0.40|J	0.59|J	5.5	<1.0	60	<1.0	1.7	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	3.2	1.3	16	0.83Jf|J	<1.0	<1.0	<10	0.31Jf|J
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<10	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	17	<1.0	<1.0	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	8.7	<1.0	0.75|J	--	<0.50Ux|J	<1.0	<10	<10	<1.0	<1.0	<10	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	8.5	<1.0	0.97|J	--	<0.50Uz|J	<1.0	<10	<10	<1.0	<1.0	1.4|J	<1.0
2016	Sep	--	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	9.9	<1.0	1.1	--	<0.50	<1.0	<10	<10	<1.0	<1.0	<10	<1.0
2017	Sep	--	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	10	<1.0	1.1	--	<0.50	<1.0	<10	<10	<1.0	<1.0	<10	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0018	SWL0018	SWL0018	SWL0018	SWL0018	SWL0018	SWL0018	SWL0018	SWL0018	SWL0019	SWL0019	SWL0019	SWL0019	SWL0019	SWL0019	SWL0019	SWL0019	SWL0019
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Tert-Butyl Alcohol (TBA)	Benzene	2-Butanone	Chloroethane	Chloroform	Chloromethane	Isopropylbenzene	pCBSA	pCBSA	Tert-Butyl Alcohol (TBA)	Benzene	Carbon Disulfide	Chlorobenzene	Dichlordifluoromethane	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	c-1,2-Dichloroethene
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	<0.50U|	<5.0U|	<1.0U|	0.83	<1.0U|	--	--	--	--	<0.50U|	<2.0U|	<1.0U|	--	<1.0U|	<1.0U|	<0.50U|	<1.0U|
1993	Sep	--	--	--	--	--	--	--	--	--	--	<0.50U|	<2.0U|	<1.0U|	--	<1.0U|	<1.0U|	<0.50U|	<1.0U|
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	<0.50	<5.0	<1.0	<0.50	<1.0	<1.0	--	<0.10	--	<0.50	<2.0	<1.0	<5.0	<1.0	<1.0	<0.50	<1.0
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	1.5	<5.0	<1.0	<0.50	<1.0	<1.0	<0.10	--	--	<0.50	--	<1.0	<5.0	<1.0	<1.0	<0.50	<1.0
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	<0.50	<5.0	<1.0	<0.50	<1.0	<1.0	<0.10	--	--	<0.50	12	<1.0	<5.0	<1.0	<1.0	<0.50	<1.0
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<0.50	<5.0	<1.0	<0.50	<1.0	<1.0	<0.10	--	--	0.59	<2.0	<1.0	<5.0	<1.0	1.0	<0.50	<1.0
1995	Mar	--	<0.50	<5.0	<1.0	<0.50	<1.0	<1.0	<0.10	--	--	<0.50	<2.0	<1.0	<5.0	<1.0	<1.0	<0.50	<1.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	<0.50	<5.0	<1.0	<0.50	<1.0	<1.0	<0.10	--	--	<0.50	8.7	<1.0	<5.0	<1.0	<1.0	<0.50	<1.0
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<0.50	<5.0	<1.0	<0.50	<1.0	<1.0	<0.10	--	--	<0.50	<2.0	<1.0	<5.0	<1.0	<1.0	<0.50	<1.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<0.50	7.5	3.5	<0.50	1.4	<1.0	<0.10	--	--	<0.50	<2.0	<1.0	<5.0UJ|	<1.0	<1.0	<0.50	<1.0
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	<0.50	<5.0	<1.0	<0.50	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	0.12Jt|J	<10	<2.0	<1.0	<2.0	0.23Jt|J	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	0.16Jt|J	<2.0	<1.0	<1.0	<1.0	0.16Jt|J	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	<1.0	<5.0	<2.0	<1.0	<2.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<0.50	<10	<1.0	<1.0	<10	<1.0	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	0.30|J	<10	<1.0	<1.0	<10	<1.0	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<10	<0.50	<10	<5.0	<1.0	<10	<1.0	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	<10	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<0.50	<10	<5.0	<1.0	<10	<1.0	--	--	--	<0.50	<10	0.87|J	<1.0	<1.0	0.71|J	0.37|J	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<0.50	<10	<5.0	<1.0	<10	<1.0	--	--	--	<0.50	<10	1.8	<1.0	0.71|J	0.80|J	0.54	0.51|J
2016	Sep	--	<0.50	<10	<5.0	<1.0	<10	<1.0	--	--	6.5|J	<0.50	<10	1.8	0.49|J	0.87|J	1.2	0.67	0.48|J
2017	Sep	--	<0.50	<10	<5.0	<1.0	<10	<1.0	--	--	<10	<0.50	<10	1.1	<1.0	0.54|J	0.65|J	<0.50	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0019	SWL0019	SWL0019	SWL0019	SWL0020	SWL0020	SWL0020	SWL0020	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Gage	Gage	Gage	Gage	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	pCBSA	pCBSA	VOCs	VOCs	pCBSA	pCBSA	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	TBA	VOCs	VOCs
Analyte		Toluene	Vinyl Chloride	pCBSA	pCBSA	Carbon Disulfide	Chloromethane	pCBSA	pCBSA	Di-n-Butyl Phthalate	N-Nitroso-di-n-propylamine	N-Nitroso-di-n-propylamine	N-Nitrosodimethylamine	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	N-Nitrosodiphenylamine	Tert-Butyl Alcohol (TBA)	Acetone	Benzene
Method		8240/60	8240/60	300.0T	ICT	8240/60	8240/60	300.0T	ICT	8270	1625M	8270	1625M	8270	1625M	8270	8240/60	8240/60	8240/60
Units		µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	<1.0U|	<0.50U|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	<1.0U|	<0.50U|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	<2.0U|	<1.0U|	--	--	<5.0U|	--	<6.0U|	--	<6.0U|	--	<5.0U|	--	11	15
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<1.0	<0.50	--	<0.10U|	<2.0	<1.0	--	<0.10U|	7.5	--	11	--	<6.0	--	<5.0	--	<10	25
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	<1.0	<0.50	<0.10	--	--	<1.0	<0.10	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	<5.0	--	<6.0	--	<6.0	--	<5.0	--	<10	16
1994	Jul	<1.0	<0.50	<0.10	--	<2.0	<1.0	<0.10	--	<5.0	--	<6.0	--	<6.0	--	<5.0	--	<100	19
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<1.0	<2.0Ub|	<0.10	--	3.4JI|	<1.0	<0.10	--	<5.0	--	<6.0	--	<6.0	--	<5.0	--	<10	9.2
1995	Mar	<1.0	1.4	--	--	<2.0	<1.0	--	--	--	--	--	--	--	--	--	--	18	4.6
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<1.0	<0.50	--	--	<2.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	4.4
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1.0	<0.50	--	--	<2.0	<1.0	--	--	--	--	--	--	--	--	--	--	<10	4.4
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<1.0	<0.50	--	--	<2.0	3.0JI|	--	--	--	--	--	--	--	--	--	--	<10	5.4
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	4.1
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<25	6.0
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<13Ub|	3.2Jt|J
2000	Jul	--	--	--	--	--	--	--	--	--	<0.025	--	0.013	--	0.026|J	--	--	<10	1.9
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	<0.50
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	<0.50
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<250	21
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	48	<20	0.57
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	0.61|J	0.77	--	--	--	--	--	--	--	--	--	--	--	--	--	120	<20	0.46|J
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<1.0	0.52	--	--	--	--	--	--	--	--	--	--	--	--	--	460	<20	0.47|J
2016	Sep	<1.0	0.73	--	--	--	--	--	--	--	--	--	--	--	--	--	1,300	<40	0.51|J
2017	Sep	<1.0	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	1,700	<20	0.47|J

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		n-Butylbenzene	sec-Butylbenzene	Chlorobenzene	Chloroethane	Chloroform	Cyclohexane	Di-isopropyl ether (DIPE)	Dichlordifluoromethane	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Freon 11 (Trichlorofluoromethane)
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	1.9	<1.0U|	1.0	--	--	--	<1.0U|	<2.2Ub|	68	8.8	36	72	<1.0U|	5.8	<1.0U|	<1.0U|	
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	<1.0	2.1	<1.0	0.84	<10	--	75	<1.0	<1.0	75	10	36	54	3.7	7.9	<1.0	<1.0	
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	<1.0	<2.1Ub|	<1.0	<0.50	<10	--	<5.0	2.0	<1.0	80	12	40	61	4.1	7.9	<1.0	<1.0	
1994	Jul	--	<10	<10	<10	<5.0	<100	--	<50	<10	<10	86	<5.0	42JI|	52	<10	<5.0	<10	<10	
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<1.0	2.2JI|	<1.0	0.50	<10	--	42	<1.0	2.5	75	12	34	51	3.7	8.4	<1.0UJI|	<1.0	
1995	Mar	--	<1.0	3.0	<1.0	<0.50	32	--	190	<1.0	3.8	93	15	46	83	4.7	9.9	<1.0	<1.0	
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	<1.0	3.1	<1.0	<0.50	11	--	46	<1.0	3.4	100	17	43	96	4.6	11	<1.0	<1.0	
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<1.0	2.6	<1.0	<0.50	<10	--	37	<1.0	3.0	93	14	39	72	4.8	8.6	<1.0	<1.0	
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<1.0	2.3	<1.0	<0.50	<10	--	27	<1.0	3.4	88	14	33	70	4.2	9.8	<1.0	<1.0	
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<1.0	2.7	<1.0	<0.50	11	--	17	<1.0	3.2	97	17	30	66	3.9	11	<1.0	<1.0	
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	3.2	<5.0	<2.5	<25|J	--	15	<2.5	4.1	98	21	36	98	4.8	11	<2.5	<5.0	
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	3.1Jt|J	<5.0	<5.0	5.3Jt|J	--	8.3	<5.0	4.6Jt|J	96	23	25	91	3.8Jt|J	10	<5.0	3.7Jt|J	
2000	Jul	--	0.31|J	3.4	1.1|J	<1.0	--	--	1.5|J	0.44|J	5.0	75	19	18	89	3.2	<1.0	<1.0	<2.0	
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<1.0	0.46|J	6.5	<1.0	<1.0	--	--	<1.0	0.57|J	10	57	22	13	100	2.4	12	<1.0	1.7|J	
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	<1.0	<1.0	6.8	<1.0	<1.0	--	--	<1.0	<1.0	10	52	18	13	99	2.4	12	<1.0	<10	
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	2.8|J	3.7|J	300	<5.0	<5.0	--	--	<5.0	<5.0	1.1|J	<5.0	460	1.7|J	<5.0	<5.0	<5.0	2.0|J	<50	
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<1.0	<1.0	13	<5.0	<1.0	<10	<2.0	<1.0	<1.0	10	35	19	3.4	84	1.6	14	<1.0	<10	
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	1.4	12	<5.0	<1.0	<10	0.48|J	<1.0	1.2	15	4.4	4.0	<1.0	18	<1.0	5.3	<1.0	<10	
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<1.0	1.4	14	<5.0	<1.0	<10	--	<1.0	1.2	18	5.3	3.7	0.46|J	22	0.51|J	6.0	<1.0	<10	
2016	Sep	<2.0	1.3|J	12	<10	<2.0	<20	<4.0	<2.0	1.0|J	16	5.5	3.6	<2.0	18	<2.0	5.4	<2.0	<20	
2017	Sep	<1.0	1.9	13	<5.0	<1.0	<10	0.61|J	<1.0	1.2	17	8.5	4.2	0.48|J	23	<1.0	5.7	<1.0	<10	

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0021	SWL0022	SWL0022	SWL0022	SWL0022	SWL0022	SWL0023	SWL0023	SWL0023
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	Gage	Gage	Gage	Gage	Gage	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	TBA	VOCs	VOCs	pCBSA	pCBSA	TBA	VOCs	VOCs
Analyte		Isopropylbenzene	Methyl Tert-butyl ether (MTBE)	4-Methyl-2-Pentanone	Methylene Chloride	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Trichloroethene	1,2,4-Trimethylbenzene	Vinyl Chloride	Xylenes (Total)	Tert-Butyl Alcohol (TBA)	Methylene Chloride	Toluene	pCBSA	pCBSA	Tert-Butyl Alcohol (TBA)	Acetone	Chloromethane
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<100U|	<10U|
1993	Oct	--	--	<3.0U|	<1.0U|	<0.50U|	60	140	--	<0.50U|	<1.0U|	--	2.4JI|	<1.0U|	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<1.0	--	<3.0	<1.0	<0.50	57	160	<1.0	26	1.9	--	<1.0	<1.0	--	<0.10	--	23	<1.0
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	<1.4Ub|	<1.0	<0.10	--	--	<10	<1.0
1994	May	<1.0	--	<3.0	<1.0	<0.50	52	150	<1.0	35	<1.0	--	--	--	--	--	--	--	--
1994	Jul	<10	--	<30	<10	<5.0	51JI|	130	<10	26	<10	--	<1.0	<1.0	<0.10	--	--	<10	<1.0
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<1.0	--	<3.0	<1.0	<0.50	51	120JI|	<1.0	29	<1.0	--	<1.0	<1.0	<0.10	--	--	<10	<1.0
1995	Mar	<1.0	--	<3.0	<1.0	<0.50	68	150	<1.0	74	<1.0	--	<1.0	<1.0	<0.10	--	--	<10	<1.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	<1.0	<1.0	<0.10	--	--	<10	<1.0
1995	Jul	<1.0	--	<3.0	<2.0	<0.50	63	160	<1.0	33	<1.0	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1.0	--	<3.0	<1.0	0.89	59	140	<1.0	<0.50	<1.0	--	<1.0	<1.0	<0.10	--	--	<10UJs|	<1.0UJs|
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<1.0	--	<3.0	<1.0	<0.50	44	120	<1.0	43	<1.0	--	<1.0	<1.0	<0.10	--	--	<10	<1.0
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	<1.0
1997	Feb	<1.0	--	<3.0	<1.0	<0.50	49	150	<1.0	29	<1.0	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	<2.0UJI|
1998	Mar	0.42Jt|J	--	<25	0.70Jt|J	<2.5	51	130	<2.5	28	<2.5	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<5.0	--	<10	<5.0	<5.0	31	81	<5.0	27	<5.0	--	--	--	--	--	--	<2.0	<1.0
2000	Jul	<1.0	--	7.2	0.39|J	<1.0	24	61	<1.0	30	<1.0	--	--	--	--	--	--	<10	<2.0
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<1.0	<1.0	<10	<10	<1.0	15	38	<1.0	14	<1.0	--	--	--	--	--	--	<100	<100
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	<1.0	<1.0	<10	<10	<1.0	14	34	<1.0	14	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	3.7|J	<5.0	<50	<50	<5.0	8.3	77	<5.0	<2.5	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	<10	<1.0	--	--	--	25|J	12
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<1.0	<1.0	<10	<10	<1.0	2.1	11	<1.0	14	--	--	--	--	--	--	210	74	<10
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	<10	--	--	--	--	--	--	--
2014	Sep	<1.0	0.33|J	<10	<10	<1.0	<1.0	1.6	<1.0	1.9	--	--	<10	0.98|J	--	--	88	16|J	<10
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<1.0	0.62|J	<10	<10	<1.0	<1.0	1.8	<1.0	2.7	--	--	<10	<1.0	--	--	160	14|J	<10
2016	Sep	<2.0	1.0|J	<20	<20	<2.0	<2.0	1.7|J	1.3|J	2.1	--	6.0|J	<10	<1.0	--	--	300	<20	<10
2017	Sep	<1.0	1.9	<10	<10	<1.0	<1.0	1.5	<1.0	3.1	--	<10	<10	<1.0	--	--	750	<20	<10

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0023	SWL0023	SWL0023	SWL0023	SWL0023	SWL0023	SWL0023	SWL0023	SWL0023	SWL0023	SWL0023	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Di-isopropyl ether (DIPE)	1,2-Dichloroethane	Ethylbenzene	Ethylbenzene	Methyl Tert-butyl ether (MTBE)	4-Methyl-2-Pentanone	Toluene	Toluene	Toluene	pCBSA	pCBSA	Pentachlorophenol	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	Bromodichloromethane	Chlorobenzene	Chloroform
Method		8240/60	8240/60	8020T	8240/60	8240/60	8240/60	8015	8020T	8240/60	300.0T	ICT	8270	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	46	--	<10U|	--	<30U|	--	--	<10U|	--	--	<5.0U|	--	22	7.5	<0.50U|	<1.0U|	9.4
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	<0.50	--	<1.0	--	<3.0	--	--	<1.0	--	<0.10	<5.0	--	<10	11	<0.50	<1.0	7.8
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	<0.50	2.4	<1.0	--	<3.0	--	1.2	<1.0	<0.10	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	<5.0	--	<10	23	<0.50	<1.0	7.2
1994	Jul	--	<0.50	--	<1.0	--	480Jh|	<0.50	--	--	<0.10	--	<5.0	--	<10	2.9	<0.50	<1.0	8.1
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<0.50	--	<1.0UJl|	--	<3.0	--	<0.50	--	<0.10	--	<5.0	--	<10	2.3	<0.50	<1.0	7.1
1995	Mar	--	<0.50	--	<1.0	--	<3.0	--	4.1	--	--	--	<5.0	--	32	1.6	<0.50	<1.0	7.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	<0.50	--	<1.0	--	<3.0	--	6.4	--	--	--	<5.0	--	<30Ub|	1.7	<0.50	<1.0	6.4
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<0.50UJs|	--	<1.0UJs|	--	<3.0UJs|	--	3.5	--	--	--	5.1	--	<10	2.0	<0.50	<1.0	4.9
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<0.50	--	<1.0	--	<3.0	--	5.5	--	--	--	<10	--	<10	0.92	<0.50	<1.0	2.4
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	<0.50	--	<1.0	--	<3.0	--	--	<1.0	--	--	--	--	<10	<0.50	<0.50	<1.0	1.6
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	<1.0	--	<1.0	--	<10	--	--	<1.0	--	--	--	--	<10	0.35Jt|J	8.7	0.11Jt|J	0.24Jt|J
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<1.0	--	<1.0	--	<2.0	--	--	<1.0	--	--	--	--	<2.0	0.61|J	<1.0	<1.0	<1.0
2000	Jul	--	<1.0	--	<1.0	--	<5.0	--	--	<1.0	--	--	--	--	<10	<1.0	<1.0	<1.0	<1.0
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<5.0	--	<10	<10	<100	--	--	<10	--	--	--	--	4.5|J	0.32|J	<1.0	<1.0	<1.0
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	<0.50	--	<1.0	3.5	<10	--	--	<1.0	--	--	--	--	<50	0.24|J	<1.0	<1.0	<1.0
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<2.0	<0.50	--	<1.0	3.3	<10	--	--	<1.0	--	--	--	<10	<20	<0.50	<1.0	<1.0	<1.0
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	0.48|J	<0.50	--	<1.0	4.5	<10	--	--	0.80|J	--	--	--	--	<20	<0.50	<1.0	<1.0	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<0.50	--	<1.0	4.9	<10	--	--	<1.0	--	--	--	--	<20	<0.50	<1.0	<1.0	<1.0
2016	Sep	0.50|J	<0.50	--	<1.0	4.0	<10	--	--	<1.0	--	--	--	<10	<20	<0.50	<1.0	<1.0	<1.0
2017	Sep	0.41|J	<0.50	--	<1.0	3.3	<10	--	--	<1.0	--	--	--	<10	<20	<0.50	<1.0	<1.0	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0024	SWL0025
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	Gage
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	TBA
Analyte		Chloromethane	Dichlordifluoromethane	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	1,2-Dichloropropane	Freon 11 (Trichlorofluoromethane)	Isopropylbenzene	Methylene Chloride	Naphthalene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl Chloride	Tert-Butyl Alcohol (TBA)
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	11	--	<1.0U|	2.0	<0.50U|	<0.50U|	6.4	<1.0U|	<0.50U|	<1.0U|	--	<1.0U|	--	65	<1.0U|	<1.0U|	<0.50U|	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<1.0	35	<1.0	2.3	<0.50	1.3	4.0	<1.0	<0.50	<1.0	<1.0	5.0	<1.0	66	<1.0	32	<0.50	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<1.0	<5.0	<1.0	2.3	<0.50	1.4	<1.0	<1.0	<0.50	<1.0	<1.0	4.0	<1.0	60	<1.0	28	<0.50	--
1994	Jul	<1.0	19	<1.0	3.0	<0.50	1.2JI|	4.1	<1.0	<0.50	<1.0	<1.0	<5.7Ub|	<1.0	51	<1.0	31JI|	<0.50	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<1.0	28	<1.0	2.8	<0.50	1.1	4.0	<1.0	0.76	<1.0	<1.0	<3.4Ub|	<1.0	67	<1.0	28	<0.50	--
1995	Mar	<1.0	44	<1.0	3.0	<0.50	<0.50	4.8	<1.0	<0.50	<1.0	<1.0	<2.7Ub|	<1.0	61	<1.0	34	4.0	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<1.0	29	<1.0	3.4	<0.50	<0.50	4.6	<1.0	<0.50	<1.0	<1.0	3.2	<1.0	59	<1.0	35	<0.50	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1.0	29	<1.0	3.5	<0.50	<0.50	6.2	<1.0	<0.50	1.5	<1.0	2.1	<1.0	66	<1.0	36	<0.50	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<1.0	10	<1.0	2.5	<0.50	0.63	4.4	<1.0	<0.50	<1.0	<1.0	2.6	1.9	40	<1.0	25	<0.50	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	2.8	5.7	<1.0	2.3	<0.50	<0.50	5.4	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	33	<1.0	25	<0.50	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	<2.0UJI|	3.7	0.35Jt|J	1.9	<1.0	0.42Jt|J	6.4	<0.50	1.4	<2.0	0.26Jt|J	0.31Jt|J	<1.0	4.2	<1.0	31	1.1Jt|J	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<1.0	3.8	<1.0	2.6	<1.0	0.53Jt|J	7.6	0.53Jt|J	1.1	<1.0	<1.0	0.51Jbt|J	<1.0	4.1	<1.0	31	1.7	--
2000	Jul	<2.0	2.3	<1.0	1.8	<1.0	0.28|J	6.5	0.35|J	<1.0	<2.0	<1.0	0.20|J	<1.0	2.0	<1.0	27	<2.0	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<10	<1.0	1.3	1.5	0.38|J	<1.0	4.5	<1.0	2.6	0.31|J	<1.0	<10	<10	<1.0	<1.0	12	1.2	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	<10	<1.0	<1.0	1.4	<0.50	<1.0	5.2	<1.0	<1.0	<10	<1.0	<10	<10	<1.0	<1.0	11	0.75	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<10	<1.0	<1.0	1.7	<0.50	<1.0	5.9	<1.0	<1.0	<10	<1.0	<10	<10	<1.0	<1.0	13	0.62	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<10	<1.0	<1.0	1.6	<0.50	<1.0	4.6	<1.0	<1.0	<10	<1.0	<10	<10	<1.0	0.82|J	10	<0.50	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<10	<1.0	<1.0	1.9	<0.50	<1.0	5.8	<1.0	<1.0	<10	<1.0	<10	<10	<1.0	<1.0	14	<0.50	--
2016	Sep	<10	<1.0	<1.0	2.1	<0.50	<1.0	5.1	<1.0	0.97|J	<10	<1.0	<10	<10	<1.0	<1.0	15	0.47|J	<10
2017	Sep	<10	<1.0	<1.0	1.2	<0.50	<1.0	4.1	<1.0	<1.0	<10	<1.0	<10	<10	<1.0	<1.0	7.8	<0.50	<10

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0025	SWL0025	SWL0025	SWL0025	SWL0025	SWL0025	SWL0025	SWL0026	SWL0026	SWL0026	SWL0027	SWL0027	SWL0027	SWL0027	SWL0028	SWL0028	SWL0028	SWL0028	SWL0028	SWL0028	SWL0029	SWL0029	SWL0029
HSU		Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	WT	WT	WT	WT	WT	WT	MBFB	MBFB	MBFB
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	VOCs	pCBSA	pCBSA	VOCs	VOCs	pCBSA	pCBSA	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Acetone	Carbon Disulfide	Chloroethane	Chloromethane	Toluene	pCBSA	pCBSA	Carbon Disulfide	pCBSA	pCBSA	Chloromethane	Dichlordifluoromethane	pCBSA	pCBSA	Tert-Butyl Alcohol (TBA)	Benzene	2-Butanone	Chlorobenzene	Tetrachloroethene	Trichloroethene	Benzene	Benzene	Benzene
Method		8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	8240/60	300.0T	ICT	8240/60	8240/60	300.0T	ICT	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8010/21	8015	8020T
Units		µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	<12Ub|	<2.0U|	<1.0U|	<1.0U|	<1.0U|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	<2.0	--	--	<1.0	--	--	--	--	<0.50	<5.0UJ|	<1.0	<1.0	3.3	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<10	<2.0	<1.0	<1.0	<1.0	--	<0.10	--	--	--	<1.0	<5.0	--	<0.10	--	<5.0Ub|	<5.0	<1.0	<1.0	3.4	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	<10	--	<1.0	<1.0	<1.0	<0.10	--	<2.0	<0.10	<0.10	<1.0	<5.0	<0.10	--	--	<0.50	<5.0	<1.0	<1.0	5.2	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50
1994	Jul	<10	<2.0	<1.0	<1.0	<1.0	<0.10	--	10	<0.10	--	<1.0	<5.0	<0.10	--	--	<0.50	<5.0	<1.0	<1.0	5.6	--	0.92	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<10	3.0J|	<1.0	<1.0	<1.0	<0.10	--	<2.0	<0.10	--	<1.0	<5.0	<0.10	--	--	<0.50	<5.0	<1.0	<1.0	3.9	--	--	1.1
1995	Mar	<10	<2.0	<1.0	<1.0	<1.0	--	--	<2.0	<0.10	--	2.6	<5.0	--	--	--	<0.50	<5.0	<1.0	<1.0	6.1	--	--	1.1
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<10	<2.0	<1.0	<1.0	<1.0	--	--	<2.6Ub|	<0.10	--	<1.0	<5.0	--	--	--	<0.50	5.4	<1.0	<1.0	4.1	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.7
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<10	9.5	<1.0	<1.0	<1.0	--	--	<2.0	<0.10	--	<1.0UJd|	<5.0	--	--	--	<0.50	<5.0	<1.0	<1.0	3.6	--	--	0.88
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	14	<2.0	4.3	2.7	<1.0	--	--	<2.0	<0.10	--	<1.0	1.4J|	--	--	--	<0.50	<5.0	<1.0	<1.0	1.9	--	--	0.75
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<5.0	<1.0	<1.0	<1.0	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.0
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	<10	<1.0	<1.0	0.22Jt|J	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	<2.0	<1.0	<1.0	<1.0	1.3	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	<5.0	<1.0	<1.0	<1.0	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.7	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.58	<10	<1.0	<1.0	<1.0	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	<10	--	--	--	--	--	--	--	<0.50	<10	0.29|J	<1.0	<1.0	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	<0.50	<10	<1.0	<1.0	<1.0	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<20	<10	<5.0	<10	0.80|J	--	--	--	--	--	--	--	--	--	--	<0.50	<10	<1.0	1.2	<1.0	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<20	0.54|J	<5.0	<10	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	<20	<10	<5.0	<10	<1.0	--	--	--	--	--	--	--	--	--	<10	<0.50	<10	<1.0	<1.0	<1.0	--	--	--
2017	Sep	<20	<10	<5.0	<10	<1.0	--	--	--	--	--	--	--	--	--	<10	<0.50	<10	<1.0	<1.0	<1.0	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029	SWL0029
HSU		MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB	MBFB
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	pCBSA
Analyte		Benzene	Chloroform	Dichlordifluoromethane	1,2-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	Freon 11 (Trichlorofluoromethane)	Tetrachloroethene	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,2,4-Trichlorobenzene	Trichloroethene	pCBSA	pCBSA	pCBSA
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	T
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	<40UJs|	<20UJs|	<20UJs|	<20UJs|	<20UJs|	<20UJsl|	<20UJs|	<20UJls|	<20UJs|	<20UJs|	<270UJs|	--	<20UJs|	<610UJs|	--	--	<0.030
1994	Feb	2.0	2.0	<5.0	<1.0	1.3	<0.50	7.6	13	<1.0	<1.0	380	<2.0	--	980	--	<0.10	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	<3.0	<30	--	<5.0	<3.0	<3.0	12	<5.0	<5.0	300	<10	--	750	<0.10	--	--
1994	Jul	--	<5.0	<50	<10	<10	<5.0	12	13	<10	<10	280	<20	--	980	<0.10	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<5.0	<50	<10	<10	<5.0	9.6	10	<10	<10	240	<20	--	630	<0.10	--	--
1995	Mar	--	<5.0	<50	<10	<10	<5.0	<5.0	12	<10	<10	230	<20	--	790	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	<3.0	<30	<5.0	<5.0	<3.0	9.0	13	<5.0	<5.0	290	<10	--	800	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<5.0	<50	<10	<10	<5.0	<5.0	14	<10	<10	240	<20	--	730	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	3.3	<30	<5.0	<5.0	<3.0	11	23	<5.0	<5.0	350	<10	--	1,100	--	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<5.0	<50	<10	<10	<5.0UJl|	<5.0	<10	<10	<10	270	<20	--	1,100	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<50	<100UJl|	<50	<50	<50	14Jt|J	29|J	<25	<100	520	<50	<50	1,700	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<100	<100	<100	<100	<100	<100	27Jt|J	<100	<100	370	<200	<100	1,300	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	<50	<100	<50	<50	<50	22|J	43|J	<50	<100	900	<50	--	2,600	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<2.5	10	4.8|J	<5.0	4.2|J	<2.5	36	46	<5.0	10|J	960	--	<5.0	3,100	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	0.65	8.6	3.8	0.19|J	4.0	0.26|J	0.80|J	51	7.1	6.1|J	800	1.6|J	0.35|J	2,600	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<5.0	8.6|J	<10	<10	<10	<5.0	5.1|J	45	<10	<100	270	<100	<10	1,900	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0030	SWL0030	SWL0030	SWL0030	SWL0030	SWL0030	SWL0030	SWL0030	SWL0030	SWL0030	SWL0031	SWL0031	SWL0031	SWL0031	SWL0031	SWL0031	SWL0031	SWL0032	SWL0032	SWL0032	SWL0032
HSU		MBFB	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	Gage	Gage	Gage	Gage	Gage	Gage	Gage	MBFB	MBFB	MBFB	MBFB
Analyte Class		SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	pCBSA	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	pCBSA	VOCs	VOCs	VOCs	VOCs
Analyte		Bis(2-Ethylhexyl) Phthalate	Benzene	Carbon Disulfide	1,1-Dichloroethene	c-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	pCBSA	pCBSA	pCBSA	Benzene	Carbon Disulfide	c-1,2-Dichloroethene	Trichloroethene	pCBSA	pCBSA	pCBSA	Benzene	1,1-Dichloroethene	c-1,2-Dichloroethene	Tetrachloroethene
Method		8270	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	T	8240/60	8240/60	8240/60	8240/60	300.0T	8080T	ICT	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	<7.0	<0.50UJs|	<2.0UJs|	<0.50UJls|	<0.50UJls|	<0.50UJs|	<0.50UJs|	--	--	<0.030	<0.50	<1.0	<0.50	<0.50	--	<0.0UJs|	--	--	--	--	--
1994	Feb	<7.0	2.4	<2.0	<0.50	<1.0	<1.0	<1.0	--	<0.10	--	<0.50	<2.0	<1.0	<1.0	--	--	<0.10	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	<7.0	<0.50	--	<0.50	<1.0	<1.0	<1.0	<0.10	--	--	<0.50	--	<1.0	<1.0	<0.10	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<7.0	<0.50	<2.0	<0.50	<1.0	<1.0	<1.0	<0.10	--	--	<0.50	<2.0	<1.0	<1.0	<0.10	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	18	<0.50	<2.0	<0.50	<1.0	<1.0	<1.0	<0.10	--	--	<0.50	<2.0	<1.0	<1.0	<0.10	--	--	--	--	--	--
1995	Mar	--	<0.50	<2.0	<0.50	<1.0	<1.0	<1.0	--	--	--	<0.50	<2.0	<1.0	<1.0	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	<0.50	<2.0	<0.50	<1.0	<1.0	<1.0	--	--	--	<0.50	3.0	<1.0	<1.0	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<0.50	<2.0	<0.50	<1.0	<1.0	<1.0	--	--	--	<0.50	<2.0	<1.0	<1.0	--	--	--	--	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<0.50	<2.0	<0.50	<1.0	<1.0	1.1	--	--	--	0.86	<2.0	<1.0	<1.0	--	--	--	--	--	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<0.50	<2.0	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<1.0	<10	<1.0	<0.50	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<1.0	<2.0	<1.0	0.25Jt|J	<1.0	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	<1.0	<1.0	<1.0	<1.0	1.1	4.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<0.50	0.53	<1.0	<1.0	3.8	21	--	--	--	<0.50	<10	0.95|J	1.9	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	29	2,000	9.5	
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	<0.50	<10	0.55|J	0.80|J	7.6	40	--	--	--	<0.50	<10	1.3	2.2	--	--	--	660,000Jm|	58	220	1,000
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<0.50	<10	<1.0	<1.0	<1.0	0.49|J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0032	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033
HSU		MBFB	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Trichloroethene	Benzene	Benzene	Benzene	Benzene	n-Butylbenzene	Chlorobenzene	Chlorobenzene	1,2-Dichlorobenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1-Dichloroethene
Method		8240/60	8010/21	8015	8020T	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8020T	8240/60	8270	8010/21	8240/60	8010/21	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	21	--	3,500	2,600	<30	<5.0	<30	--	<5.0	8.3	<30	<3.0	<30	<3.0
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	29	--	--	3,500	--	<50	--	<50	--	--	8.8	<50	<10	<50	<10
1994	Jul	--	--	21	--	--	--	2,900Js|	3,600	<50UJs|	<100	<50UJs|	--	<100	8.4	<50UJs|	<50	<50UJs|	<50
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	18	--	--	2,600	2,600	<10	<20	<10	--	<20	9.9	<10	<10	<10	<10
1995	Mar	--	--	--	15	--	--	4,400	2,900	<20	<50	<20	14	<50	--	<20	<30	<20	<30
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	14	--	--	3,000	3,800Js|	<20	<30	<20	--	<30	--	<20	<20	<20	<20
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	11	--	--	3,700	3,500	<30	<50	<30	--	<50	--	<30	<30	<30	<30
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	--	--	8.0	--	--	2,900	2,100	<30	<30	<30	--	<30	--	<30	<20	<30	<20
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	<20	--	--	3,200	--	<30	--	--	<30	--	--	<20	--	<20
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	4.0	--	--	--	2,400	--	<50	--	--	14Jt|J	--	--	<50|J	--	<50
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	4.1	--	--	--	--	--	2,300	--	<100	--	--	14Jt|J	--	--	37Jt|J	--	<100
2000	Jul	--	8.0	--	--	--	--	--	2,100	--	<25	--	--	8.9|J	--	--	68	--	<25
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	9.8|J	<20	--	3,500	--	<20	--	--	13|J	--	--	45	--	<20
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	5,100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	5.3	<5.0	--	3,600	--	2.5Jf|J	--	--	14	--	--	60	--	<5.0
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	3.3|J	<10	--	3,400	--	<10	--	--	7.8|J	--	--	30	--	<10
2016	Sep	--	--	--	--	3.1|J	<20	--	2,400	--	<20	--	--	<20	--	--	26	--	<20
2017	Sep	--	--	--	--	2.6	0.31|J	--	3,000	--	1.1	--	--	7.2	--	--	27	--	2.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0033	SWL0034	SWL0034
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Gage	Gage
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	pCBSA	VOCs	VOCs
Analyte		c-1,2-Dichloroethene	c-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	n-Propylbenzene	Tetrachloroethene	Tetrachloroethene	Toluene	Toluene	Toluene	Toluene	Trichloroethene	Trichloroethene	m,p-Xylene	pCBSA	pCBSA	pCBSA	Benzene	Benzene
Method		8010/21	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8015	8020T	8240/60	8010/21	8240/60	8240/60	300.0T	CA	ICT	8010/21	8015
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<30	<5.0	24	<5.0	<5.0	<30	<5.0	--	--	--	<5.0	<30	<5.0	--	--	20	20	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<50	<20	35	<20	<20	<50	<20	--	--	2.8	--	<50	<20	--	24	--	--	--	--
1994	Jul	<50UJs|	<100	<100	<100	<100	<50UJs|	<100	--	1.0	--	--	<50UJs|	<100	--	21	--	--	--	16
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<10	<20	35	<20	<20	<10	<20	--	--	1.0	--	<10	<20	--	20	--	--	--	--
1995	Mar	<20	<50	<50	<50	<50	<20	<50	--	--	1.0	--	<20	<50	--	21	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	<20	<30	37Js|	<30	<30	<20	<30	--	--	<0.78Ub|	--	<20	<30	--	23	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<30	<50	<50	<50	<50	<30	<50	--	--	<0.52Ub|	--	<30	<50	--	19	--	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<30	<30	<30	<30	<30	<30	<30	--	--	<3.0	--	<30	<30	--	15	--	--	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<30	<30	<30	<30	--	<30	--	--	--	<30	--	<30	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<25	<50	<50	<50	--	<50	--	--	<1.0	--	--	<50	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<100	<100	<100	<100	--	<100	<0.50	--	--	--	--	<100	--	--	--	--	39Js|	--
2000	Jul	--	<25	<25	<25	<25	--	<25	<1.0	--	--	--	--	<25	--	--	--	--	51	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<20	<20	<20	<20	--	6.8|J	--	--	--	<20	--	33	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	<5.0	0.80Jf|J	2.3|J	0.67Jf|J	--	8.9	--	--	--	<5.0Uz|J	--	48	1.5Jf|J	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<10	<10	<10	<10	--	12	--	--	--	<10	--	74	<10	--	--	--	--	--
2016	Sep	--	<20	<20	<20	<20	--	12|J	--	--	--	<20	--	66	<20	--	--	--	--	--
2017	Sep	--	1.9	0.44|J	1.5	0.26|J	--	21J+||	--	--	--	<1.0	--	100	0.35|J	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0034	SWL0035	SWL0035	SWL0035
HSU		Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	pCBSA	VOCs	VOCs	VOCs
Analyte		Benzene	Benzene	2-Butanone	Chlorobenzene	Chlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	Methylene Chloride	Methylene Chloride	Toluene	Toluene	Toluene	Toluene	Xylenes (Total)	pCBSA	pCBSA	pCBSA	Benzene	Carbon Disulfide	Methylene Chloride
Method		8020T	8240/60	8240/60	8010/21	8240/60	8010/21	8020T	8240/60	8270	8010/21	8240/60	8010/21	8015	8020T	8240/60	8240/60	300.0T	CA	ICT	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	12	<30	8,600	8,300	<50	--	<5.0	6.8	<50	<5.0	--	--	--	<5.0	12	--	36	36	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	99	<2.0	<1.0
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	<1.0
1994	May	22	--	<500	8,000	--	<100	--	--	7.3	<100	<100	--	--	5.0	--	<100	36	--	--	--	--	--
1994	Jul	--	--	<500	7,100	9,400	<50	--	<100	6.3	<50	120	--	0.52	--	--	<100	34	--	--	<0.50	<7.6UJbl|	<4.7Ub|
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	14	--	<300	5,800	6,100	<30	--	<50	5.7	<30	<50	--	--	0.58	--	<50	33	--	--	<0.50	<2.0	<1.0
1995	Mar	11	--	<300	7,900	5,400	<30	8.7	<50	--	<30	<50	--	--	<0.75Ub|	--	<50	25	--	--	<0.50	<2.0	<1.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	11	--	<300	6,800	6,600	<50	--	<50	--	<200	<50	--	--	<0.50	--	<50	35	--	--	<0.50	<2.0	<1.0
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	13	--	55	8,800	7,200	<30	--	<50	--	<100	<50	--	--	<0.50	--	<50	38	--	--	<0.50	<2.0	1.2
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	17	--	<500	11,000	7,700	<50	--	<100	--	<200	<100	--	--	<10	--	<100	39	--	--	<0.50	<2.0	<1.0
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<50	<500	--	9,200	--	--	<100	--	--	<100	--	--	--	<100	<100	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	33	--	<1,000	--	9,900	--	--	<100	--	--	<500	--	--	<1.0	--	<100	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	<1,000	--	10,000	--	--	<500	--	--	<500	0.67Js|	--	--	--	<500	--	--	--	--	--	--
2000	Jul	--	--	<500	--	8,600	--	--	<100	--	--	<100	<1.0	--	--	--	<100	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<10	<10
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<10	<10
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<10	<10
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	0.71|J	<10
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<10	<10
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<10	<10

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0035	SWL0035	SWL0035	SWL0036	SWL0036	SWL0036	SWL0036	SWL0036	SWL0036	SWL0036	SWL0037	SWL0037	SWL0037	SWL0037	SWL0037	SWL0037	SWL0037	SWL0037	SWL0037	SWL0037
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	pCBSA	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA
Analyte		Toluene	pCBSA	pCBSA	Benzene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Trichloroethene	pCBSA	pCBSA	Tert-Butyl Alcohol (TBA)	Benzene	sec-Butylbenzene	Carbon Disulfide	1,1-Dichloroethene	Isopropylbenzene	Tetrachloroethene	Trichloroethene	pCBSA	pCBSA
Method		8240/60	300.0T	ICT	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	ICT
Units		µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	3.3	--	<0.10	<0.50	<1.0	<1.0	<1.0	<1.0	--	<0.10	--	0.53	<1.0	<2.0	<0.50	1.2	<1.0	<1.0	--	<0.10
1994	Apr	<1.0	<0.10	--	<0.50	<1.0	<1.0	<1.0	<1.0	<0.10	--	--	<0.50	10	--	<0.50	1.0	<1.0	<1.0	<0.10	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<1.0	<0.10	--	<0.50	<1.0	<1.0	<1.0	<1.0	<0.10	--	--	<0.50	9.3	<2.0	<0.50	<1.0	<1.0	<1.0	<0.10	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<1.0	<0.10	--	<0.50	<1.0	<1.0	<1.0	<1.0	<0.10	--	--	<0.50	14	<2.0	<0.50	<1.0	<1.0	<1.0	<0.10	--
1995	Mar	<1.0	--	--	<0.50	<1.0	<1.0	<1.0	<1.0	--	--	--	<0.50	11	<2.0	<0.50	<1.0	<1.0	<1.0	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	<1.0	--	--	<0.50	<1.0	<1.0	<1.0	<1.0	--	--	--	<0.50	11	<2.0	<0.50	<1.0	<1.0	<1.0	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1.0	--	--	<0.50	<1.0	2.1	<1.0	<1.0	--	--	--	<0.50	8.8	<2.0	<0.50	<1.0	<1.0	<1.0	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<1.0	--	--	<0.50	<1.0	<1.0	<1.0	<1.0	--	--	--	<0.50	10	<2.0	<0.50	<1.0	<1.0	<1.0	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	<0.50	<1.0	<1.0	<1.0	<1.0	--	--	--	<0.50	5.6	<2.0	<0.50	<1.0	<1.0	<1.0	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	<1.0	<1.0	<5.0	<1.0	<1.0	--	--	--	<1.0	--	<10	<1.0	0.53Jt|J	0.22Jt|J	<1.0	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	<1.0	--	<2.0	<1.0	1.4	<1.0	<1.0	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	<1.0	15	<1.0	0.23|J	1.7	<1.0	<1.0	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	<1.0	0.30|J	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	<0.50	1.1	<10	0.34|J	0.73|J	--	--	--	<0.50	5.9	<10	<1.0	0.67|J	0.45|J	<1.0	--	--
2004	Feb	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	<1.0	--	--	<0.50	0.52|J	<10	<1.0	<1.0	--	--	--	<0.50	3.2	<10	<1.0	0.24|J	0.53|J	<1.0	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	<10UJm|	<0.50	10	<10	1.4	<1.0	2.3	<1.0UJm|	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	--	--	<0.50	<1.0	<10	<1.0	0.55|J	--	--	--	<0.50	0.72|J	<10	1.1	<1.0	1.7	0.53|J	--	--
2015	Sep	<1.0	--	--	--	--	--	--	--	--	--	--	<0.50	1.7	0.60|J	1.0|J	<1.0	2.5	0.95|J	--	--
2015	Oct	--	--	--	<0.50	<1.0	<10	<1.0	1.2	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	<1.0	--	--	0.27|J	<1.0	<10	<1.0	1.3	--	--	--	<0.50	<1.0	<10	<1.0	<1.0	1.7	0.71|J	--	--
2017	Sep	<1.0	--	--	2.9	<1.0	<10	<1.0	1.5	--	--	--	<0.50	2.5	<10	1.8	<1.0	2.4	1.2	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0038	SWL0038	SWL0038	SWL0038	SWL0038	SWL0038	SWL0038	SWL0038	SWL0038	SWL0038	SWL0038	SWL0038	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs
Analyte		Pentachlorophenol	Benzene	2-Butanone	Chloromethane	Cyclohexane	1,3-Dichlorobenzene	c-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Naphthalene	Trichloroethene	Xylenes (Total)	Benzyl Alcohol	2,4-Dimethylphenol	Tert-Butyl Alcohol (TBA)	Benzene	Bromochloromethane	Bromochloromethane	sec-Butylbenzene
Method		8270	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8270	8270	8240/60	8240/60	8010/21	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	<5.0	<5.0	<50	<10	920	<10	<10	<10	<10	<10	<10	<10	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	<30	530Jl|	--	69,000	--	--	<500
1994	May	<5.0	<5.0	<50	<10	1,200	<10	<10	<10	<10	<10	<10	<10	<30	520	--	90,000	--	--	<1,000
1994	Jul	5.6	0.89Jh|	<5.0UJh|	<1.0UJh|	850Jh|	<1.0UJh|	1.0Jh|	<1.0UJh|	1.4Jh|	<1.0UJh|	1.5Jh|	<1.0UJh|	<30	740Js|	--	91,000Jh|	21	--	<1,000UJh|
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<5.0	<5.0	500Jl|	<10	730	<10	<10	11	<10	<10	<10	15	34	460	--	95,000	--	--	<1,000
1995	Mar	--	<5.0	<50	<10	1,100	<10	<10	<10	<10	<10	<10	<10	31	420	--	100,000	--	--	<1,000
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	<0.50	<5.0	<1.0	800	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<30	730Js|	--	110,000	--	--	<1,000
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<3.0	<30	<5.0	430	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<30	--	110,000	--	--	<1,000
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<3.0	<30	<5.0	570	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	420	--	120,000	--	--	<1,000
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<0.50	<5.0	45	300	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	--	--	--	110,000	--	--	<1,000
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	0.58Jt|J	<50UJl|	<10	450	<5.0	<2.5	<5.0	0.69Jt|J	<5.0	<5.0	<5.0	--	--	--	72,000	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<10Ub|J	<20	<10	130	1.2Jt|J	<10	<10	<10	1.6Jt|J	<10	<10	--	--	--	78,000	--	--	--
2000	Jul	--	<1.0	<5.0	<2.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	49,000	--	--	<500
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100	--	<10	<10
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	23	--	--	--	--
2014	Sep	--	<0.50	<10	<10	<10	<1.0	<1.0	<1.0	<1.0	<10	<1.0	--	--	--	<250	4,700	--	<25	<25
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<0.50	<10	<10	<10	<1.0	<1.0	<1.0	<1.0	<10	<1.0	--	--	--	10	140	--	<1.0	0.30|J
2016	Sep	--	<0.50	<10	<10	<10	<1.0	<1.0	<1.0	<1.0	<10	<1.0	--	--	--	<10	120	--	<1.0	<1.0
2017	Sep	--	<0.50	<10	<10	<10	<1.0	<1.0	<1.0	<1.0	<10	<1.0	--	--	--	<10	21	--	<1.0	0.43|J

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040	SWL0040
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Carbon Disulfide	Chlorobenzene	Chlorobenzene	Chlorodibromomethane	Chlorodibromomethane	Chloroform	Chloroform	c-1,2-Dichloroethene	c-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Methylene Chloride	Naphthalene	Naphthalene	Styrene	Tetrachloroethene	Tetrachloroethene	Trichloroethene	
Method		8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8240/60	8270	8240/60	8010/21	8240/60	8010/21	
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1994	Apr	<1,000	<1,000	<500	<1,000	<500	<1,000	<300	<1,000	<500	2,200	<1,000	<500	<500	480	<500	<1,000	<500	<1,000	
1994	May	--	2.7	<1,000	0.65	<1,000	8.1	<500	<0.50	<1,000	3,000	1.9	<1,000	<1,000	520	<1,000	<0.50	<1,000	2.5	
1994	Jul	<2,000UJh|	<300	<1,000UJh|	<300	<1,000UJh|	<300	<500UJh|	<300	<1,000UJh|	2,600Jh|	<300	<1,000UJh|	<1,000UJh|	610	<1,000UJh|	<300	<1,000UJh|	<300
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1994	Oct	<2,000	<50	<1,000	<50	<1,000	<50	<500	<50	<1,000	3,200	<50	<1,000	<1,000	490	<1,000	<50	<1,000	<50	
1995	Mar	<2,000	<50	<1,000	<50	<1,000	<50	<500	<50	<1,000	2,700	<50	<1,000	<1,000	400	<1,000	<50	<1,000	<50	
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1995	Jul	<2,000	<50	<1,000	<50	<1,000	<50	<500	<50	<1,000	3,100	<200	<1,000	<1,000	480	<1,000	<50	<1,000	<50	
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1995	Oct	<2,000	<30	<1,000	<30	<1,000	<30	<500	<30	<1,000	1,500	<100	<1,000	<1,000	550	<1,000	<30	<1,000	<30	
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1996	Feb	<2,000	<200	<1,000	<200	<1,000	<200	<500	<200	<1,000	3,600	<500	<1,000	<1,000	530	<1,000	<200	<1,000	<200	
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1997	Feb	<2,000	--	<1,000	--	<1,000	--	<500	--	<1,000	2,500	--	<1,000	<1,000	--	<1,000	--	<1,000	--	
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1998	Mar	<10,000	--	110Jt|J	--	<1,000	--	<1,000	--	<500	<1,000	--	<5,000	480Jt|J	--	<1,000	--	<1,000	--	
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1999	Feb	<5,000	--	<2,500	--	<2,500	--	<2,500	--	<2,500	1,900Jt|J	--	<2,500	<2,500	--	<2,500	--	<2,500	--	
2000	Jul	<500	--	<500	--	<500	--	<500	--	<500	2,100	--	<500	210|J	--	<500	--	<500	--	
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2008	Feb	<100	--	<10	--	<10	--	<10	--	19	50	--	110	<100	--	<10	--	14	--	
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2014	Sep	<250	--	<25	--	<25	--	<25	--	<25	250	--	<250	<250	--	<25	--	<25	--	
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2015	Oct	0.44|J	--	<1.0	--	<1.0	--	<1.0	--	<1.0	1.1	--	<10	<10	--	0.21|J	--	<1.0	--	
2016	Sep	0.59|J	--	<1.0	--	<1.0	--	<1.0	--	<1.0	2.7	--	<10	<10	--	<1.0	--	<1.0	--	
2017	Sep	<10	--	<1.0	--	<1.0	--	<1.0	--	<1.0	0.43|J	--	<10	<10	--	<1.0	--	<1.0	--	

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0040	SWL0040	SWL0040	SWL0040	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	pCBSA	pCBSA	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Trichloroethene	Xylenes (Total)	pCBSA	pCBSA	2,4-Dimethylphenol	Tert-Butyl Alcohol (TBA)	Benzene	Bromochloromethane	Bromochloromethane	sec-Butylbenzene	Chlorobenzene	Chlorobenzene	Chlorodibromomethane	Chlorodibromomethane	Chloroform	Chloroform	Cyclohexane
Method		8240/60	8240/60	300.0T	ICT	8270	8240/60	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60
Units		µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	<5.0	--	14,000	--	--	<100	<200	<100	<200	<100	<200	<50	<1,000
1994	Apr	<500	<500	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<1,000	<1,000	<0.10	--	<5.0	--	13,000	--	--	<200	3.7	<200	3.7	<200	2.4	<100	<2,000
1994	Jul	<1,000UJh|	<1,000UJh|	<0.10	--	<5.0	--	14,000Jh|	22	--	<200UJh|	<30	<200UJh|	<30	<200UJh|	<30	<100UJh|	<2,000UJh|
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<1,000	<1,000	1.2	--	41	--	1,300	--	--	<20	<50	<20UJ|	<50	<20	<50	<10	<200
1995	Mar	<1,000	<1,000	<0.10	--	26	--	12,000	--	--	<100	<20	<100	<20	<100	<20	<50	<1,000
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	<1,000	<1,000	0.52Jd|	--	11	--	12,000	--	--	<1,000	<10	<1,000	<10	<1,000	<10	<500	<10,000
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1,000	<1,000	0.51	--	<5.0	--	8,100	--	--	<50	<5.0	<50	<5.0	<50	<5.0	<30	<500
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<1,000	<1,000	1.2	--	<5.0	--	8,500	--	--	<50	<10	<50	<10	<50	<10	<30	<500
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	<1,000	<1,000	--	--	--	--	5,900	--	--	<50	--	<50	--	<50	--	<30	<500
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<1,000	170Jt|J	--	--	--	--	1,600	--	--	--	--	<25	--	<25	--	<25	<250|J
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<2,500	<2,500	--	--	--	--	330	--	--	--	--	3.2Jt|J	--	<25	--	<25	<50
2000	Jul	<500	270|J	--	--	--	--	550	--	--	<10	--	<10	--	<10	--	<10	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	22,000	--	<1,000	<1,000	--	<1,000	--	<1,000	--	<1,000	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	11,000	--	<10	3.8|J	--	<10	--	<10	--	<10	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<25	--	--	--	--	24	1.8	--	<1.0	1.2	--	<1.0	--	<1.0	--	<1.0	6.0|J
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<1.0	--	--	--	--	24	23	--	<1.0	0.88|J	--	<1.0	--	<1.0	--	<1.0	8.0|J
2016	Sep	<1.0	--	--	--	--	<10	0.51	--	<1.0	0.46|J	--	<1.0	--	<1.0	--	<1.0	<10
2017	Sep	<1.0	--	--	--	--	<10	0.66	--	<1.0	0.82|J	--	<1.0	--	<1.0	--	<1.0	<10

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0041	SWL0042	SWL0042
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	SVOCs	SVOCs
Analyte		1,2-Dichloroethane	1,2-Dichloroethane	Ethylbenzene	Isopropylbenzene	Methylene Chloride	Methylene Chloride	Naphthalene	Naphthalene	n-Propylbenzene	Styrene	Toluene	Trichloroethene	Trichloroethene	m,p-Xylene	o-Xylene	pCBSA	pCBSA	Diethyl Phthalate	4-Nitrophenol
Method		8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8270	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	300.0T	ICT	8270	8270
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	<200	<50	600	<100	<200	<100	<100	35	<100	<100	<100	<200	<100	--	--	--	<0.10	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	8.3	<100	500	<200	0.61	<200	<200	27	<200	<200	<200	0.98	<200	--	--	<0.10	--	--	--
1994	Jul	<30	<100UJh|	410Jh|	<200UJh|	<30	<200UJh|	<200UJh|	16	<200UJh|	<200UJh|	<200UJh|	<30	<200UJh|	--	--	<0.10	--	25	<5.0
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<50	<10	36Jl|	<20	<50	<20	<20	22	<20	<20Ujl|	<20	<50	<20Ujl|	--	--	<0.10	--	27	5.5
1995	Mar	<20	<50	290	<100	<20	<100	<100	15	<100	<100	<100	<20	<100	--	--	<0.10	--	25	<5.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	28	<500	3,200	<1,000	<40	<1,000	<1,000	11	<1,000	<1,000	<1,000	<10	<1,000	--	--	5.6Jd|	--	29	<5.0
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<5.0	<30	130	<50	<20	<50	<50	7.4	<50	<50	<50	<5.0	<50	--	--	<0.10	--	25	<5.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<10	<30	240	<50	<40	<50	<50	<5.0	<50	<50	<50	<10	<50	--	--	<0.10	--	<5.0	<10
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<30	100	<50	--	<50	<50	--	<50	<50	<50	--	<50	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<25	600	6.1Jt|J	--	<120	9.6Jt|J	--	<25|J	<25	7.4Jt|J	--	<25	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	880	4.8Jt|J	--	<25	6.6Jt|J	--	<25	<25	<25	--	<25	--	--	--	--	--	--
2000	Jul	--	<10	560	6.0|J	--	<10	<10	--	<10	<10	5.6|J	--	<10	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<500	1,400	<1,000	--	<10,000	<10,000	--	<1,000	<1,000	<1,000	--	<1,000	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	<5.0	1,100	7.0|J	--	<100	12|J	--	3.7|J	<10	13	--	<10	20	2.8|J	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<0.50	0.59|J	<1.0	--	<10	<10	--	<1.0	<1.0	0.79|J	--	<1.0	<1.0	<1.0	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<0.50	20	<1.0	--	<10	<10	--	<1.0	0.18|J	1.1	--	<1.0	<1.0	<1.0	--	--	--	--
2016	Sep	--	<0.50	2.3	<1.0	--	<10	<10	--	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	--	--	--	--
2017	Sep	--	<0.50	3.1	<1.0	--	<10	<10	--	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Tert-Butyl Alcohol (TBA)	Acetone	Benzene	sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene	Chlorobenzene	Cyclohexane	Dichlordifluoromethane	1,2-Dichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,1-Dichloroethane
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8270	8010/21	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	<10	<0.50	<1.0	<1.0	--	2.8	18	28	--	<1.2Ub|	--	<1.0	--	11	5.3	--	2.6
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<10	1.2	1.2	<1.0	--	3.0	21	40	--	1.4	--	<1.0	--	11	5.6	--	3.0
1995	Mar	--	<10	1.2	1.3	<1.0	2.5	3.1	23	67	1.3	1.2	<0.50	<1.0	16	13	8.3	2.4	2.6
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	<10	<1.7Ub|	1.3	<1.0	2.5	2.5	15	39	1.5	1.2	<0.50	<1.0	12	12	8.5	2.3	2.4
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<10	0.97	1.5	<1.0	<0.50	2.8	18	46	1.9	1.6	<0.50	<1.0	13	13	9.4	2.9	2.7
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<10	0.68	1.1	<1.0	1.9	2.3	15	25	1.1	1.2	<0.50	<1.0	12	9.8	7.1	2.1	2.3
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	<10	<0.50	1.1Js|	<1.0	--	<1.0	<10	13Js|	--	1.2Js|	--	<1.0	--	9.3Js|	--	--	2.0Js|
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	19	0.53Jt|J	--	0.20Jt|J	--	2.6	8.3Jt|J	6.6	--	1.6	--	<1.0	--	9.8	--	--	1.6
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<20Ub|J	<10	--	<10	--	2.7Jt|J	<20	<10	--	1.7Jt|J	--	<10	--	8.5Jt|J	--	--	<10
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	<10	0.59|J	0.90|J	<1.0	--	2.6	--	<2.0	--	1.2	--	8.6	--	8.8	--	--	2.4
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<10	1.1	1.1	<1.0	--	2.6	--	1.3	--	1.1	--	<1.0	--	9.5	--	--	1.7
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	<50	0.75	0.75|J	<1.0	--	4.7	--	0.97|J	--	1.2	--	<1.0	--	12	--	--	2.3
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	90	<20	1.1	<1.0	<1.0	--	5.0	<10	1.2	--	1.1	--	<1.0	--	13	--	--	2.0
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	77	<20	1.5	1.5	<1.0	--	2.8	14	<1.0	--	0.89|J	--	<1.0	--	9.2	--	--	0.73|J
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	45	<20	1.3	0.81|J	<1.0	--	2.1	<10	<1.0	--	0.60|J	--	<1.0	--	6.8	--	--	0.56|J
2016	Sep	21	<20	2.8	1.1	0.30|J	--	1.5	38	<1.0	--	<1.0	--	<1.0	--	5.2	--	--	0.45|J
2017	Sep	<10	<20	3.0	0.74|J	<1.0	--	1.1	19	<1.0	--	<1.0	--	<1.0	--	2.9	--	--	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		1,2-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	c-1,2-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	1,2-Dichloropropane	1,2-Dichloropropane	Ethylbenzene	Isopropylbenzene	Methyl Tert-butyl ether (MTBE)	Methylene Chloride	Methylene Chloride	Naphthalene	n-Propylbenzene	Tetrachloroethene
Method		8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8010/21
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	<0.50	--	1.8Jl|	--	47	--	1.2	--	3.7	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	3.1Jl|	--	2.7Jl|	--	57	--	1.6	--	4.4	<1.0	<1.0	--	--	<1.5Ub|	<1.0	<1.0	--
1995	Mar	2.1	<0.50	1.3	1.4	96	61	0.97	<1.0	4.9	3.5	<1.0	<1.0	--	<1.2Ub|	<1.0	<1.0	<1.0	16
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	2.9	2.2	1.2	1.5	55	55	1.0	1.3	4.0	3.2	<1.0	<1.0	--	<2.0	<1.0	<1.0	<1.0	11
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	2.3	2.3	1.9	1.9	75	67	1.4	1.4	5.0	3.6	<1.0	<1.0	--	<2.0	<1.0Ub|	<1.0	<1.0	11
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	2.1	1.5	0.96	1.5	100	59	0.60	1.1	3.3	2.7	<1.0	<1.0	--	<2.0	<1.0	<1.0	<1.0	10
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	1.8Js|	--	1.7Js|	--	69Js|	--	1.3Js|	--	2.4Js|	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	1.5	--	1.9	--	73	--	1.2	--	2.2	0.13Jt|J	0.69Jt|J	--	--	0.37Jt|J	0.40Jt|J	<1.0	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<10	--	<10	--	89	--	<10	--	2.0Jt|J	<10	<10	--	--	<10	<10	<10	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	<1.0	--	1.6	--	75	--	1.3	--	<1.0	<1.0	0.62|J	--	--	<1.0	<1.0	<1.0	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<0.50	--	1.1	--	80	--	1.7	--	<1.0	<1.0	0.84|J	<1.0	--	<10	0.57|J	0.25|J	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	0.99	--	1.3	--	79	--	1.9	--	<1.0	<1.0	0.48|J	<1.0	--	<10	<10	<1.0	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	0.84	--	1.3	--	100	--	1.3	--	1.9	<1.0	<1.0	<1.0	--	<10	<10	<1.0	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<0.50	--	<1.0	--	40	--	4.3	--	<1.0	0.17|J	0.87|J	11	--	<10	<10	0.19|J	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	0.43|J	--	0.47|J	--	33	--	4.2	--	1.1	0.14|J	<1.0	13	--	<10	<10	<1.0	--
2016	Sep	--	<0.50	--	<1.0	--	12	--	9.7	--	1.6	0.26|J	0.67|J	12	--	<10	<10	0.39|J	--
2017	Sep	--	<0.50	--	<1.0	--	1.4	--	7.7	--	<1.0	0.20|J	0.71|J	0.46|J	--	<10	<10	0.42|J	--

Note:
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Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0042	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Tetrachloroethene	Toluene	1,1,2-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloroethene	Vinyl Chloride	Vinyl Chloride	o-Xylene	Tert-Butyl Alcohol (TBA)	Benzene	n-Butylbenzene	sec-Butylbenzene	Chlorobenzene	Chlorobenzene	Ethylbenzene	Isopropylbenzene	Naphthalene	Naphthalene	n-Propylbenzene	Styrene
Method		8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8270	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	12	<1.0	--	<0.50	--	52	--	13	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	11	<1.1Ub|	--	<0.50	--	68Jh|	--	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	12	<1.0	<0.50	<0.50	71	48	17	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	10	<1.0	<0.50UJl|	<0.50	44	40	18	14	--	--	92,000	--	<500	<50	<500	<500	<500	<500	200	<500	<500
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	9.9	<1.0	<0.50	<0.50	32	46	15	21	--	--	110,000	--	<1,000	<5.0	<1,000	<1,000	<1,000	<1,000	280	<1,000	<1,000
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	120,000	--	<1,000	<50	<1,000	<1,000	<1,000	<1,000	360	<1,000	<1,000
1996	Feb	6.6	<1.0	<0.50	<0.50	47	31	12	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	5.2Js|	<1.0	--	<0.50	--	24Js|	--	9.9Js|	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	63,000	--	<1,000	--	<1,000	<1,000	<1,000	<1,000	--	<1,000	<1,000
1998	Feb	3.4	0.71Jt|J	--	<1.0	--	15	--	7.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	55,000	--	--	--	<1,000	<1,000	<1,000	<1,000	--	<1,000	<1,000
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<10	<10	--	<10	--	14	--	13	--	--	49,000	--	--	--	<2,500	<2,500	<2,500	<2,500	--	<2,500	<2,500
2000	Jul	--	--	--	--	--	--	--	--	--	--	24,000	--	<500	--	<500	<500	<500	<500	--	<500	<500
2000	Aug	1.6	0.35|J	--	1.9	--	9.2	--	8.9	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<1.0Uy|J	0.35|J	--	<1.0	--	8.3	--	12	--	--	5,700	<50	7.8|J	--	<50	23|J	15|J	<500	--	<50	<50
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	56,000	<500	<500	--	<500UJm|	1,600	<500	2,700|J	--	<500	<500
2006	Nov	0.58|J	<1.0	--	<1.0	--	5.6	--	9.4	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<1.0	<1.0	--	<1.0	--	6.9	--	8.7	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	<10	0.82	<1.0	3.2	--	<1.0	1.4	2.6	<10	--	<1.0	<1.0
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	0.61|J	--	<1.0	--	6.9	--	8.8	<1.0	--	2.1	<1.0	1.7	--	0.26|J	0.25|J	1.5	<10	--	0.63|J	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	0.60|J	0.50|J	--	<1.0	--	4.8	--	5.3	<1.0	--	3.2	0.44|J	2.1	--	<1.0	0.52|J	1.4	<10	--	0.63|J	0.19|J
2016	Sep	<1.0	0.78|J	--	<1.0	--	1.8	--	6.1	0.44|J	--	<0.92Ux|	<1.0	0.88|J	--	<1.0	<1.0	<1.0	<10	--	0.23|J	<1.0
2017	Sep	<1.0	0.68|J	--	<1.0	--	<1.0	--	2.0	0.68|J	--	410	2.5	11	--	<1.0	14	10	1,300|J	--	4.0	39

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0044	SWL0046	SWL0046	SWL0046	SWL0046	SWL0046	SWL0046	SWL0046	SWL0047	SWL0047
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	VOCs
Analyte		Tetrachloroethene	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylene	o-Xylene	pCBSA	Tert-Butyl Alcohol (TBA)	Benzene	2-Butanone	Chloromethane	4-Methyl-2-Pentanone	Methylene Chloride	Tetrachloroethene	Bis(2-Ethylhexyl) Phthalate	Acetone
Method		8010/21	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8270	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	<50	<500	<500	--	<500	<500	--	--	<0.10	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	1.8	30	<1.0	<3.0	<1.0	<1.0	<7.0	<50
1995	Oct	<5.0	<1,000	<1,000	--	<1,000	<1,000	--	--	<0.10	--	4.6	<5.0	<1.0	<3.0	<1.0	<1.0	<10	<10
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	<50	<1,000	<1,000	--	<1,000	<1,000	--	--	<0.10	--	--	--	--	--	--	--	--	--
1996	Feb	--	--	--	--	--	--	--	--	--	--	1.8	<5.0	<1.0	<3.0	<1.0	<1.0	<10	<10
1996	Jun	--	--	--	--	--	--	--	--	--	--	<2.7UJs|	<5.0UJs|	<1.0UJs|	46Js|	<1.0UJs|	<1.0UJs|	<10	<10UJs|
1996	Oct	--	--	--	--	--	--	--	--	--	--	4.5	<5.0	1.1	<3.0	<1.0	<1.0	38	<10
1997	Jan	--	--	--	--	--	--	--	--	--	--	3.7	<5.0	<1.0	<3.0	<1.0	<1.0	<10	<10
1997	Feb	--	<1,000	<1,000	--	<1,000	<1,000	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	1.7	<10	<2.0UJ|J	<10	<5.0	<1.0	--	--
1998	Mar	--	<1,000	<1,000	<1,000	<1,000	<1,000	--	--	--	--	--	--	--	--	--	--	<10	<10UJ|J
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<2,500	<2,500	<2,500	<2,500	<2,500	--	--	--	--	0.87J|J	<2.0	<1.0	<2.0	0.71J|J	<1.0	<9.5	<4.6Ub|
2000	Jul	--	<500	<500	--	<500	<500	--	--	--	--	<1.0	<5.0	<2.0	<5.0	<1.0	<1.0	<10	<10
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<50	<50	<50	<50	<50	--	--	--	--	<0.50	<10	<10	<10	<10	<1.0	--	<10
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	<500	430|J	<500	<500	<500	<500	<500	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	<0.50	<10	<10	<10	<10	<1.0	--	11|J
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	1.1	1.6	<1.0	<1.0	<1.0	1.5	1.5	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<1.0	<1.0	<1.0	<1.0	<1.0	0.53|J	<1.0	--	--	<0.50	<10	<10	<10	<10	1.2	--	<20
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	42
2015	Oct	--	<1.0	<1.0	<1.0	<1.0	<1.0	0.90|J	0.46|J	--	--	<0.50	<10	<10	<10	<10	0.60|J	--	--
2016	Sep	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<0.50	<10	<10	<10	<10	0.39|J	--	<20
2017	Sep	--	<1.0	42	0.68|J	5.5	1.4	18	12	--	<10	<0.50	<10	<10	<10	<10	<1.0	--	<20

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047	SWL0047
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Benzene	2-Butanone	sec-Butylbenzene	Carbon Disulfide	Chloroform	Chloroform	Ethylbenzene	Isopropylbenzene	Methylene Chloride	Methylene Chloride	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrachloroethene	Trichloroethene	Trichloroethene	1,2,4-Trimethylbenzene	m,p-Xylene
Method		8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	6.9Js|	<30	11Js|	<10	0.99	<3.0	160Js|	6.2Js|	<2.0	<5.0	7.8Js|	<5.0	<0.50	<5.0	<0.50	<5.0	<5.0	--
1995	Oct	<0.50	<5.0	12	<2.0	<0.50	0.62	85	6.5	<2.0	<1.0	<1.0	1.1	1.4	<1.0	<0.50	<1.0	<1.0	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<0.50	<5.0	13	<2.0	<0.50	<0.50	67	7.9	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
1996	Jun	<0.50UJs|	<5.0UJs|	12Js|	<2.0UJs|	--	<0.50UJs|	130Js|	6.3Js|	--	<1.0UJs|	<1.0UJs|	<1.0UJs|	--	<1.0UJs|	--	<1.0UJs|	<1.0UJs|	--
1996	Oct	<0.50	<5.0	14	<2.0	--	<0.50	18	6.4	--	<1.0	<1.0	<1.0	--	<1.0	--	<1.0	<1.0	--
1997	Jan	<0.50	<5.0	14	<2.0	--	<0.50	8.7	6.0	--	<1.0	<1.0	<1.0	--	<1.0	--	<1.0	<1.0	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<1.0	<10	--	<10	--	<1.0	19	11	--	<5.0	<1.0	0.59Jt|J	--	<1.0	--	0.34Jt|J	<1.0	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<2.0	<4.0	--	<4.0	--	<2.0	13	7.6	--	1.2Jbt|J	<2.0	0.60Jt|J	--	<2.0	--	<2.0	<2.0	--
2000	Jul	<1.0	<5.0	33	<1.0	--	<1.0	<1.0	8.0	--	<1.0	<1.0	1.0	--	<1.0	--	<1.0	<1.0	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	3.7	<10	15	<10	--	<1.0	<1.0	0.60|J	--	<10	<10	<1.0	--	<1.0	--	<1.0	<1.0	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	<0.50Ux|J	<10	13	<10	--	<1.0	<1.0	2.5	--	<10	<10	0.20|J	--	<1.0	--	<1.0	<1.0	<1.0
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<0.50	<10	0.99|J	<10	--	<1.0	<1.0	<1.0	--	<10	<10	<1.0	--	<1.0	--	<1.0	<1.0	<1.0
2015	Sep	15	12	<1.0	0.73|J	--	<1.0	<1.0	<1.0	--	<10	<10	<1.0	--	<1.0	--	<1.0	<1.0	<1.0
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	2.2	<10	0.71|J	<10	--	<1.0	<1.0	<1.0	--	<10	<10	<1.0	--	<1.0	--	<1.0	<1.0	<1.0
2017	Sep	0.26|J	<10	0.99|J	<10	--	<1.0	<1.0	<1.0	--	<10	<10	<1.0	--	<1.0	--	<1.0	0.40|J	0.39|J

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0047	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0048	SWL0049
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	WT/MBFB
Analyte Class		VOCs	SVOCs	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	SVOCs
Analyte		o-Xylene	Di-n-Butyl Phthalate	2,4-Dimethylphenol	Phenol	Benzene	n-Butylbenzene	sec-Butylbenzene	Carbon Disulfide	Chloroform	Chloroform	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Styrene	Toluene	Xylenes (Total)	pCBSA	4-Chloroaniline
Method		8240/60	8270	8270	8270	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8270	8240/60	8240/60	8240/60	8240/60	300.0T	8270
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	<5.0	<5.0Rs|	5.9Js|	40,000	--	<200	<400	0.52	<100	7,700	<200	<5.0	<200	<200	<200	<200	<0.10	--
1995	Oct	--	<5.0	9.0	17	42,000	--	<500	<1,000	<5.0	<300	7,000	<500	<5.0	<500	<500	<500	<500	<0.10	<5.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<5.0	<5.0	5.7	43,000	--	<500	<1,000	<50	<300	16,000	<500	<5.0	<500	<500	<500	<500	<0.10	<5.0
1996	Jun	--	<5.0	10	25	33,000	--	<200	<400	--	<100	13,000	<200	<5.0	<200	<200	<200	<200	--	<5.0
1996	Oct	--	<5.0	<5.0	27	33,000	--	<200	<400	--	<100	12,000	<200	<5.0	<200	<200	<200	<200	--	<5.0
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<10	7.7Js|	24Js|	38,000	--	<500	<1,000	--	<300	11,000	<500	<5.0	<500	<500	<500	<500	--	<5.0
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	1.7Jt|J	<10	18	22,000	--	--	<2,500	--	<250	11,000	37Jt|J	1.4Jt|J	<250	<250	<250	8,800	--	1.1Jt|J
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<9.6	12	50	49,000	--	--	<5,000	--	<2,500	14,000	<2,500	1.7Jt|J	<2,500	<2,500	<2,500	<2,500	--	<10UJs|
2000	Jul	--	<10	<10	33	59,000	--	<1,000	<1,000	--	<1,000	20,000	<1,000	<10	<1,000	<1,000	<1,000	<1,000	--	<10
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	190,000	67	220	12|J	--	<25	29,000	68	--	75	75	470	360	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	180,000	<2,500	<2,500	<25,000	--	<2,500	26,000	<2,500	--	<2,500	<2,500	<2,500	--	--	--
2006	Nov	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	--	--	--	180,000	<1,000	<1,000	<10,000	--	<1,000	24,000	<1,000	--	<1,000	<1,000	500|J	--	--	--
2015	Sep	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	140,000	<1,000	<1,000	<10,000	--	<1,000	14,000	<1,000	--	<1,000	<1,000	410|J	--	--	--
2016	Sep	<1.0	--	--	--	200,000	<1,000	<1,000	<10,000	--	<1,000	15,000	<1,000	--	<1,000	<1,000	390|J	--	--	--
2017	Sep	0.27|J	--	--	--	170,000	<1,000	<1,000	<10,000	--	<1,000	18,000	<1,000	--	<1,000	<1,000	370|J	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		SVOCs	SVOCs	SVOCs	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Di-n-Butyl Phthalate	2-Methylnaphthalene	N-Nitroso-di-n-propylamine	N-Nitroso-di-n-propylamine	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	Chlorobenzene	Chlorobenzene	Chloroform	Chloroform	Chloromethane	Chloromethane	Cyclohexane	Dichlordifluoromethane	1,2-Dichlorobenzene
Method		8270	8270	1625M	8270	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8010/21
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<5.0	<5.0	--	<5.0	--	<100	170	<50	--	<10	2,100	1,900	6.2	<5.0	<5.0	<10	210	<50	<5.0	
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<5.0	7.6	--	7.5	--	<200	160	<100	--	<20	1,800	1,900	<10	<10	<10	<20	260	<100	<10	
1996	Jun	<5.0	<5.0	--	<5.0	--	<50	67	<30	--	<5.0	--	780	--	<3.0	--	<5.0	190	<30	--	
1996	Oct	<5.0	14	--	<5.0	--	<100	68	<50	--	<10	820	830	<5.0	<5.0	<5.0	<10	200	<50	<5.0	
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	<10	<5.0	--	<5.0	--	140Jh|	57Jh|	<50UJh|	--	<10UJh|	--	900Jh|	--	<5.0UJh|	--	19Jh|	240Jh|	<50UJh|	--	
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	1.2Jt|J	<10	--	13	--	<100UJl|	50	<100	--	--	--	680	--	8.1Jt|J	--	<20	210	<20	--	
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<10UJs|	<10UJs|	--	<10UJs|	--	<50	92	<50	--	--	--	710	--	19Jt|J	--	<25	210	<25	--	
2000	Jul	<10	<10	<0.025	<10	--	<100	54	<50	--	6.3|J	--	550	--	8.3|J	--	<20	--	<20	--	
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	<100	31	<100	<10	4.1|J	--	520	--	<10	--	<100	--	<10	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	<50	1.7	<10	<1.0	0.44|J	--	7.8	--	<1.0	--	<10	--	0.81|J	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	<10UJm|	<20	39	10	4.6	5.6	--	2,900	--	<1.0	--	<10	130	<1.0	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	c-1,2-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	n-Propylbenzene
Method		8240/60	8270	8010/21	8240/60	8270	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<10	<5.0	13	<10	6.3	<5.0	<10	79	69	<5.0	<5.0	<5.0	<10	<5.0	<10	66	17	13
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<20	<5.0	<10	<20	<5.0	<10	<20	110	150	<10	<10	<10	<20	<10	<20	98	22	<20
1996	Jun	<5.0	<5.0	--	<5.0	<5.0	--	<5.0	--	190	--	<3.0	--	<5.0	--	<5.0	54	11	5.4
1996	Oct	<10	<5.0	<6.2Ub|	<10	<5.0	<5.0	<10	170	180	<5.0	<5.0	<5.0	<10	<5.0	<10	29	<10	<10
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	<10UJh|	<5.0	--	<10UJh|	<5.0	--	<10UJh|	--	260Jh|	--	<5.0UJh|	--	<10UJh|	--	<10UJh|	11Jh|	11Jh|	<10UJh|
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<10	2.0Jt|J	--	<10Jt|	1.8|J	--	<10	--	220	--	<10	--	<5.0	--	<5.0	71	13	9.2Jt|J
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<25	<10UJs|	--	<25	<10UJs|	--	<25	--	310	--	<25	--	<25	--	<25	110	15Jt|J	<25
2000	Jul	<10	<10	--	<10	<10	--	<10	--	330	--	<10	--	<10	--	<10	6.2|J	9.4|J	<10
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<10	--	--	<10	--	--	<10	--	430	--	<10	--	<10	--	<10	2.0|J	9.6|J	<10
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	0.64|J	--	--	10	--	--	47	--	21	--	11	--	100	--	2.4	<1.0	<1.0	<1.0
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	3.9	--	--	11	--	--	<1.0	--	280Jm|	--	1.3	--	3.5	--	<1.0	6.5	7.2	<1.0
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
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Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0049	SWL0050	SWL0050	SWL0050	SWL0050
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	SVOCs	SVOCs	SVOCs	SVOCs
Analyte		Tetrachloroethene	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Vinyl Chloride	m,p-Xylene	Xylenes (Total)	pCBSA	Acenaphthene	Bis(2-Ethylhexyl) Phthalate	Fluorene	2-Methylnaphthalene
Method		8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	300.0T	8270	8270	8270	8270
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<5.0	<10	<10	--	<5.0	<5.0	6.1	<10	84	<10	<5.0	<5.0	--	15	26	<10	<20	<10	14
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<10	<20	<20	--	<10	<10	<10	<20	<20	<20	<10	<10	--	36	16	<10	<20	<10	26
1996	Jun	--	<5.0	<5.0	--	--	<3.0	--	22	<5.0	28	--	<3.0	--	10	--	<30	<50	<30	46
1996	Oct	<5.0	<10	<10	--	<5.0	<5.0	25	25	<10	<10	<5.0	<5.0	--	<10	--	<50	<100	<50	<50
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<10UJh|	<10UJh|	--	--	<5.0UJh|	--	29Jh|	<10UJh|	<10UJh|	--	<5.0UJh|	--	<10UJh|	--	<5.0	13	<5.0	16
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	2.6Jt|J	3.2Jt|J	<10	--	28	--	34	<10	<10	--	<20	--	3.6Jt|J	--	<100	<100	<100	<100
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<25	<25	<25	--	<25	--	45	<25	<25	--	<25	--	<25	--	1.1Jt|J	<9.5	3.7Jt|J	7.1Jt|J
2000	Jul	--	<10	4.7|J	--	--	<10	--	52	<10	<10	--	<20	--	<10	--	<10	<10	2.4|J	4.0|J
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	5.4|J	3.9|J	<10	--	<10	--	53	<10	<10	--	<5.0	--	1.7|J	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	11	<1.0	<1.0	--	<1.0	--	30	<1.0	<1.0	--	13	<1.0	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	61	3.5	3.6	--	<1.0	--	91Jm|	<1.0	<1.0	--	<0.50	2.8	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0050	SWL0050	SWL0050	SWL0050	SWL0050	SWL0050	SWL0050	SWL0050	SWL0050	SWL0050	SWL0050	SWL0050	SWL0050	SWL0051	SWL0051	SWL0051	SWL0051	SWL0051	SWL0051
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	WT	WT	WT	WT	WT	WT
Analyte Class		SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Phenol	Benzene	1,2-Dichloroethane	1,2-Dichloroethane	Ethylbenzene	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	m,p-Xylene	o-Xylene	Xylenes (Total)	pCBSA	Benzene	Chlorobenzene	Chloroform	Cyclohexane	1,1-Dichloroethene	c-1,2-Dichloroethene
Method		8270	8240/60	8010/21	8240/60	8240/60	8270	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<10	53,000	<5.0UJd|	<500	<1,000	160	<1,000	<1,000	<1,000	--	--	<1,000	<0.10	8.7	<1.0	<0.50	<10	<0.50	1.1
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<10	82,000	57	<300	2,300	270	<500	940	<500	--	--	1,400	<0.10	8.7	<1.0	<0.50	35	<0.50	2.9
1996	Jun	<30	75,000	--	<300	2,000	390	<500	880	<500	--	--	990	--	<0.50UJs|	<1.0UJs|	<0.50UJs|	<10UJs|	<0.50UJs|	<1.0UJs|
1996	Oct	<50	69,000	--	<300	1,600	320	<500	<500	<500	--	--	670	--	8.4	<1.0	<0.50	<10	<0.50	3.7
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	7.9	<1.0	<0.50	11	<0.50	3.0
1997	Feb	20	74,000	--	<300	1,300	66	<500	<500	<500	--	--	510	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<100	46,000	--	<500	1,200	150	<500	120Jt|J	<500	--	--	220Jt|J	--	12	<2.0	<2.0	<20	<2.0	3.0
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	11	62,000	--	--	<2,500	85	<2,500	<2,500	<2,500	--	--	<2,500	--	<5.0	<5.0	<5.0	<10	<5.0	3.6Jt|J
2000	Jul	22	46,000	--	<500	690	54	<500	<500	<500	--	--	<500	--	0.61|J	<1.0	<1.0	--	0.30|J	3.1
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	84,000	--	<250	720	--	<500	<500	<500	--	--	<500	--	0.57	<1.0	<1.0	--	<1.0	2.3
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	78,000	--	<100	1,200	--	<200UJf|	65|J	34|J	84|J	37|J	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	<4.0Ux|	<1.0	0.38|J	--	<0.50	3.3
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	2,700	--	<5.0	190	--	2.1|J	<10	<10	<10	<10	--	--	<0.50	<1.0	<1.0	<10	<1.0	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	1,900	--	<5.0	76	--	<10	<10	<10	<10	<10	--	--	<0.50	<1.0	<1.0	<10	<1.0	<1.0
2016	Sep	--	20,000	--	<100	150|J	--	<200	<200	<200	<200	<200	--	--	<0.50	0.62|J	<1.0	<10	<1.0	<1.0
2017	Sep	--	57,000	--	<50	310	--	<100	<100	<100	<100	<100	--	--	<0.50	<1.0	<1.0	<10	<1.0	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0051	SWL0051	SWL0051	SWL0051	SWL0052	SWL0052	SWL0052	SWL0052	SWL0052	SWL0052	SWL0052	SWL0052	SWL0052	SWL0052	SWL0052	SWL0052	SWL0052
HSU		WT	WT	WT	WT	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA
Analyte		Ethylbenzene	Naphthalene	Trichloroethene	Xylenes (Total)	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	Dichlordifluoromethane	Freon 11 (Trichlorofluoromethane)	Freon 11 (Trichlorofluoromethane)	Methyl Tert-butyl ether (MTBE)	Tetrachloroethene	Tetrachloroethene	Toluene	Trichloroethene	Trichloroethene	pCBSA
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	300.0T
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1.0	<1.0	100	<1.0	--	12	<0.50	12	<0.50	<1.0	--	3.8	3.4	<1.0	<0.50	<1.0	<0.10
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<1.0	<1.0	130	<1.0	--	<10	<0.50	12J|J	<0.50	<1.0	--	3.8	3.8	<1.0	0.53	<1.0	<0.10
1996	Jun	<1.0UJs|J	<1.0UJs|J	76Js|J	<1.0UJs|J	--	<10	<0.50	11	--	<1.0	--	--	<1.0	<1.0	--	<1.0	--
1996	Oct	<1.0	<1.0	130	<1.0	--	<10	<0.50	18	--	<1.0	--	--	3.8	<1.0	--	1.2	--
1997	Jan	<1.0	2.2	130	<1.0	--	<10	<0.50	7.1	--	<1.0	--	--	3.3	<1.0	--	1.0	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	1.3Jt|J	<2.0	110	1.0Jt|J	--	<10	<1.0	9.0	--	0.54Jt|J	--	--	4.7	<1.0	--	1.4	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<5.0	<5.0	83	<5.0	--	<2.0	<1.0	9.0	--	0.55Jt|J	--	--	3.6	<1.0	--	0.95Jt|J	--
2000	Jul	<1.0	<1.0	91	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	<10	<1.0	<2.0	--	<2.0	--	--	<1.0	<1.0	--	<1.0	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<1.0	<10	39	<1.0	--	<10	<0.50	5.3	--	<10	<1.0	--	<3.0Uy|J	<1.0	--	0.56|J	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	0.26|J	<10	25	--	--	<50	<0.50	5.1	--	<10	0.56|J	--	2.1	<1.0	--	0.64|J	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	<10	5.9	--	--	<20	0.35|J	3.5	--	<10	<1.0	--	1.1	0.58|J	--	<1.0	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<1.0	<10	7.2	--	--	<20	<0.50	2.1	--	<10	<1.0	--	1.4	<1.0	--	<1.0	--
2016	Sep	<1.0	<10	6.7	--	<10	<20	<0.50	3.8	--	<10	<1.0	--	1.4	<1.0	--	0.38|J	--
2017	Sep	<1.0	<10	<1.0	--	<10	<20	<0.50	2.4	--	<10	<1.0	--	0.54|J	<1.0	--	<1.0	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0053	SWL0053	SWL0053	SWL0053	SWL0053	SWL0053	SWL0053	SWL0053	SWL0053	SWL0053	SWL0053	SWL0053	SWL0053	SWL0053	SWL0053	SWL0053
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Tert-Butyl Alcohol (TBA)	Acetone	Chloromethane	Chloromethane	Dichlordifluoromethane	Ethylbenzene	Freon 11 (Trichlorofluoromethane)	Freon 11 (Trichlorofluoromethane)	Methyl Tert-butyl ether (MTBE)	Methylene Chloride	Methylene Chloride	Tetrachloroethene	Tetrachloroethene	Toluene	Trichloroethene	Trichloroethene
Method		8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<10UJs|	<0.50	<1.0UJs|	<5.0UJs|	<1.0UJs|	<0.50	<1.0UJs|	--	<2.0	<1.0UJs|	<0.50	<1.0UJs|	<1.0UJs|	<0.50	<1.0UJs|
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<10	<0.50	<1.0	<5.0	1.4	<0.50	<1.0	--	<2.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0
1996	Jun	--	<10	--	<1.0	<5.0	<1.0	--	<1.0	--	--	<1.0	--	<1.0	<1.0	--	<1.0
1996	Oct	--	<10	--	<1.0	<5.0	2.3	--	<1.0	--	--	<1.0	--	<1.0	<1.0	--	<1.0
1997	Jan	--	<10	--	<1.0	<5.0	1.0	--	<1.0	--	--	<1.0	--	<1.0	<1.0	--	<1.0
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<10	--	0.31Jt|J	<2.0	0.23Jt|J	--	<2.0	--	--	<5.0	--	<1.0	<1.0	--	<1.0
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<2.0	--	<1.0	<1.0	<1.0	--	<1.0	--	--	0.72Jbt|J	--	<1.0	<1.0	--	<1.0
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	<10	--	<2.0	9.2	<1.0	--	0.48|J	--	--	<1.0	--	4.0	<1.0	--	0.91|J
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<10	--	<10	<1.0	<1.0	--	<10	<1.0	--	<10	--	<1.0	<1.0	--	<1.0
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	9.5|J	--	<10	<1.0	<1.0	--	<10	0.34|J	--	<10	--	<1.0	<1.0	--	<1.0
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<10	<20	--	<10	3.8	<1.0	--	<10	<1.0	--	<10	--	1.2	<1.0	--	<1.0
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<20	--	<10	<1.0	<1.0	--	<10	<1.0	--	<10	--	<1.0	0.53|J	--	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<20	--	<10	<1.0	<1.0	--	<10	<1.0	--	<10	--	<1.0	<1.0	--	<1.0
2016	Sep	<10	<20	--	<10	<1.0	<1.0	--	<10	<1.0	--	<10	--	<1.0	<1.0	--	<1.0
2017	Sep	<10	<20	--	<10	<1.0	<1.0	--	<10	<1.0	--	<10	--	<1.0	<1.0	--	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0053	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054
HSU		Mer MBFB/MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC
Analyte Class		pCBSA	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		pCBSA	Di-n-Butyl Phthalate	Tert-Butyl Alcohol (TBA)	Benzene	Benzene	Benzene	sec-Butylbenzene	Chlorobenzene	Chlorobenzene	Chloroform	Chloroform	1,2-Dichlorobenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene
Method		300.0T	8270	8240/60	8010/21	8020T	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21
Units		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<0.10	<5.0	--	--	--	14	<10	<5.0	<10	6.2	<5.0	<5.0	<10	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<0.10	<5.0	--	--	--	16	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	<10	<10	<10	<5.0	<10
1996	Jun	--	<5.0	--	--	--	<5.0	<10	--	<10	--	<5.0	--	<10	--	<10	--	<10	--	<5.0	--
1996	Oct	--	<5.0	--	--	--	11	<10	--	<10	--	<5.0	--	<10	--	<10	--	<10	--	<5.0	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<10	--	--	--	<10	<20	--	<20	--	<10	--	<20	--	<20	--	<20	--	<10	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	1.5Jt|J	--	--	6.7	--	--	--	<25	--	<25	--	<25	--	<25	--	<25	--	<25	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<9.6	--	5.5	--	--	--	--	<100	--	<100	--	<100	--	<100	--	<100	--	<100	--
2000	Jul	--	<10	--	12	--	--	<500	--	<500	--	<500	--	<500	--	<500	--	<500	--	<500	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	<100	<200	--	<200	--	<200	--	<200	--	<200	--	<200	--	<100	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	1.8	5.2	--	0.18|J	--	0.58|J	--	0.35|J	--	0.38|J	--	2.0	--	0.36|J	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	<10	--	--	1.3	1.4	--	<1.0	--	1.0	--	<1.0	--	<1.0	--	<1.0	--	<0.50	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	<2.5	<5.0	--	<5.0	--	<5.0	--	<5.0	--	<5.0	--	<5.0	--	<2.5	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	1.1|J	1.4|J	--	<5.0	--	<5.0	--	<5.0	--	<5.0	--	<5.0	--	<2.5	--
2016	Sep	--	--	--	--	--	<5.0	<10	--	<10	--	<10	--	<10	--	<10	--	<10	--	<5.0	--
2017	Sep	--	--	--	--	--	0.23|J	<1.0	--	<1.0	--	<1.0	--	<1.0	--	<1.0	--	<1.0	--	<0.50	--

Note:
WT=Water Tab
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Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0054	SWL0055	SWL0055	SWL0055	SWL0055
HSU		MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	TBA	VOCs	VOCs
Analyte		1,1-Dichloroethene	c-1,2-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	Isopropylbenzene	Methylene Chloride	Methylene Chloride	Tetrachloroethene	Tetrachloroethene	Trichloroethene	Trichloroethene	Vinyl Chloride	Vinyl Chloride	pCBSA	Di-n-Butyl Phthalate	Tert-Butyl Alcohol (TBA)	Acetone	Benzene
Method		8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	300.0T	8270	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	16	16	<10	<5.0	<10	<10	<20	<10	510	340	1,200	1,100	<5.0	<5.0	<0.10	--	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5.0	--	<500	8,800
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	25	<10	<10	<10	<10	<10	<40	<10	630	450	1,900	1,500	<10	<5.0	<0.10	<5.0	--	<500	4,600
1996	Jun	19	--	<10	--	<10	<10	--	<10	--	360	--	1,200	--	<5.0	--	<5.0	--	<500	5,300
1996	Oct	28	--	<10	--	<10	<10	--	<10	--	460	--	1,500	--	<5.0	--	<5.0	--	<500	8,000
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	<10	--	<20	--	<20	<20	--	<20	--	430	--	1,800	--	<10	--	<10	--	<500	4,800
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	23Jt|J	--	14|J	--	<12	<25	--	<120	--	350	--	1,300	--	<50	--	1.5Jt|J	--	<500	3,300
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	42Jt|J	--	31Jt|J	--	<100	<100	--	<100	--	660	--	2,300	--	<100	--	<9.5	--	<50	640
2000	Jul	450|J	--	250|J	--	<500	<500	--	<500	--	8,700	--	31,000	--	<1,000	--	<10	--	<10	39
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<200	--	<200	--	<200	<200	--	<2,000	--	1,100	--	3,600	--	<100	--	--	--	18	0.31|J
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	44	--	80	--	2.9	0.20|J	--	14	--	440	--	2,100	--	2.7	--	--	--	<50	0.48|J
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	18	--	190	--	3.0	<1.0	--	<10	--	190	--	1,100	--	1.9	--	--	210	<20	<0.50
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	16	--	160	--	<5.0	<5.0	--	<50	--	60	--	900	--	<2.5	--	--	330	<20	<0.50
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	20	--	280	--	4.5|J	<5.0	--	<50	--	35	--	980	--	<2.5	--	--	280	<20	<0.50
2016	Sep	21	--	220	--	4.6|J	<10	--	<100	--	84	--	980	--	<5.0	--	--	340	<20	<0.50
2017	Sep	<1.0	--	4.0	--	<1.0	<1.0	--	<10	--	37	--	95	--	<0.50	--	--	360	<20	<0.50

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0055	SWL0055	SWL0055	SWL0055	SWL0055	SWL0055	SWL0055	SWL0055	SWL0055	SWL0055	SWL0055	SWL0055	SWL0055	SWL0055	SWL0055	SWL0056	SWL0056	SWL0056
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	TBA	TPH	TPH
Analyte		2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chlorobenzene	Chlorobenzene	Chloroethane	Chloroethane	Cyclohexane	Ethylbenzene	Isopropylbenzene	Naphthalene	Styrene	Toluene	pCBSA	Tert-Butyl Alcohol (TBA)	TPH (as Diesel)	TPH (as Gasoline)
Method		8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8270	8240/60	8240/60	300.0T	8240/60	8015	8015
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Nov	<300	--	<50	<50	<0.50	<50	<0.50	<50	<500	400	<50	<5.0	<50	<50	0.15	--	<0.050	<100
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<300	--	<50	<50	<10	<50	<10	<50	<500	290	<50	<5.0	<50	<50	<0.10	--	--	--
1996	Jun	<300	--	<50	<50	--	<50	--	<50	<500	210	<50	<5.0	<50	<50	--	--	--	--
1996	Oct	<300	--	<50	<50	--	<50	--	<50	<500	200	<50	<5.0	<50	<50	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	<300	--	<50	<50	--	<50	--	<50	<500	62	<50	<5.0	<50	<50	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<500	--	--	<50	--	<50	--	<100	<500	31Jt|J	<50	1.5|J	<50	<50	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<50	--	--	<25	--	<25	--	<25	<50	<25	<25	<9.5	<25	<25	--	--	--	--
2000	Jul	<5.0	--	0.34|J	<1.0	--	<1.0	--	<2.0	--	0.33|J	<1.0	--	<1.0	<1.0	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	7.6|J	<1.0	0.35|J	0.30|J	--	<1.0	--	0.68|J	--	<1.0	<1.0	--	<1.0	<1.0	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	<10	<1.0	0.42|J	0.29|J	--	<1.0	--	<1.0	--	<1.0	<1.0	--	<1.0	<1.0	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<10	<1.0	<1.0	<1.0	--	<1.0	--	<5.0	<10	<1.0	<1.0	--	<1.0	<1.0	--	<10	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<10	<1.0	0.60|J	<1.0	--	<1.0	--	<5.0	<10	2.2	<1.0	--	<1.0	0.31|J	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<10	<1.0	0.71|J	0.35|J	--	<1.0	--	<5.0	3.8|J	0.74|J	<1.0	--	0.42|J	<1.0	--	--	--	--
2016	Sep	<10	<1.0	0.51|J	<1.0	--	0.18|J	--	<5.0	5.0|J	0.53|J	<1.0	--	<1.0	<1.0	--	<10	--	--
2017	Sep	<10	0.62|J	1.0	0.47|J	--	<1.0	--	<5.0	<10	58	1.1	--	0.18|J	<1.0	--	<10	--	--

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Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0056	SWL0056	SWL0056	SWL0056	SWL0056	SWL0056	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	SVOCs	SVOCs	SVOCs	SVOCs	TBA	TPH	TPH	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Bromoform	sec-Butylbenzene	Naphthalene	Toluene	Trichloroethene	pCBSA	Acenaphthene	Fluorene	2-Methylnaphthalene	Phenanthrene	Tert-Butyl Alcohol (TBA)	TPH (as Diesel)	TPH (as Gasoline)	Acetone	Benzene	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Disulfide
Method		8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	8270	8270	8270	8270	8240/60	8015	8015	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Nov	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<5.0	<5.0	47	<5.0	--	2.5Js|	1,900Js|	<20	46	<10	--	3.6	<2.0	<4.0
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<5.0	<5.0	19	<5.0	--	--	--	<12Ub|	6.6	<5.0	--	2.3	<1.0	<2.0
1996	Jun	<1.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<5.0	27	<5.0	--	--	--	<10	6.2	25	--	2.3	<1.0	<2.0
1996	Oct	<1.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<5.0	34	<5.0	--	--	--	<10	<0.50	<5.0	--	2.9	<1.0	<2.0
1997	Jan	<1.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<5.0	44	<5.0	--	--	--	<10	6.1	<5.0	--	3.0	<1.0	<2.0
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	0.28Jt|J	--	<1.0	<1.0	<1.0	--	1.5|J	1.6Jt|J	9.9Jt|J	2.6Jt|J	--	--	--	<10	1.6	<10	--	--	0.13Jt|J	<10
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<1.0	--	2.6	<1.0	<1.0	--	2.0Jt|J	2.5Jt|J	12	4.0Jt|J	--	--	--	<2.0	1.1	<2.0	--	--	<1.0	<2.0
2000	Jul	<1.0	0.49|J	<1.0	<1.0	<1.0	--	<10	<10	5.9|J	<10	--	--	--	<10	0.42|J	<5.0	--	3.0	<1.0	<1.0
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	4.3|J	<0.50	<10	0.88|J	2.1	<1.0	<10
2004	Feb	<1.0	0.20|J	<10	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	<1.0	<1.0	<10	<1.0	<1.0	--	--	--	--	--	--	--	--	<50	<0.50	<10	1.2	2.6	<1.0	<10
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<1.0	<1.0	<10	<1.0	<1.0	--	--	--	--	--	<10	--	--	<20	<0.50	<10	<1.0	1.8	<1.0	<10
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	<1.0	<10	0.84|J	<1.0	--	--	--	--	--	--	--	--	<20	<0.50	<10	<1.0	<1.0	<1.0	<10
2015	Sep	<1.0	<1.0	<10	<1.0	<1.0	--	--	--	--	--	--	--	--	<20	<0.50	<10	<1.0	<1.0	<1.0	0.44|J
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	<1.0	<1.0	<10	<1.0	<1.0	--	--	--	--	--	<10	--	--	<20	<0.50	<10	<1.0	<1.0	<1.0	<10
2017	Sep	<1.0	<1.0	<10	<1.0	5.7	--	--	--	--	--	<10	--	--	<20	<0.50	<10	<1.0	<1.0	<1.0	<10

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0057	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Chloroform	Cyclohexane	Ethylbenzene	Isopropylbenzene	Methylene Chloride	Naphthalene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (Total)	pCBSA	Bis(2-Ethylhexyl) Phthalate	Di-n-Butyl Phthalate	Benzene	Benzene	Benzene	sec-Butylbenzene	Carbon Disulfide	Chlorobenzene	Chlorobenzene
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8270	8240/60	8240/60	8240/60	8240/60	300.0T	8270	8270	8010/21	8020T	8240/60	8240/60	8240/60	8010/21	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Nov	<1.0	110	2.6	11	<4.5Ub|	350	43	18	<2.0	<2.0	8.3	<0.10	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	<14Ub|	<5.0	--	--	<5.0UJs|	<10UJs|	<20UJs|	1,200	1,300Js|
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<0.50	<10	<1.0	4.4	<1.0	79	43	3.2	15	<1.0	1.6	<0.10	<10	<5.0	--	--	<5.0	<10	<20	1,300	1,500
1996	Jun	<0.50	40	<1.0	3.8	<1.0	76	46	3.8	<1.0	<1.0	1.7	--	<10	<5.0	--	--	<5.0	<10	<20	--	1,100
1996	Oct	<0.50	50	<1.0	6.6	<1.0	73	40	7.4	18	<1.0	3.3	--	<10	<5.0	--	--	<10	<20	<40	--	1,300
1997	Jan	<0.50	49	<1.0	6.3	<1.0	59	53	6.6	2.1	<1.0	3.3	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	<10	<10	--	--	<5.0	<10	<20	--	1,100
1998	Feb	0.20Jt|J	24	0.34Jt|J	5.6	1.0Jt|J	37	23	6.1	0.20Jt|J	0.14Jt|J	0.54Jt|J	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	1.6Jt|J	1.0Jt|J	--	3.0	--	--	<250	--	1,500
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	0.76Jt|J	26	0.57Jt|J	8.1	0.61Jbt|J	32	29	9.8	<1.0	<1.0	<1.0	--	<9.5	<9.5	2.5	--	--	--	<100	--	1,100
2000	Jul	<1.0	--	0.38|J	6.8	<1.0	25	--	8.3	1.4	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<1.0	--	0.27|J	5.1	<10Uyz|J	15	--	5.9	<1.0	0.12|J	<1.0	--	--	--	--	--	1.5|J	0.83|J	<50	--	740
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	<1.0	--	0.24|J	5.2	<10	14	--	6.4	<1.0	<1.0	--	--	--	--	--	--	1.1	2.0|J	<20	--	360
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<1.0	10	<1.0	3.3	<10	<10	--	4.4	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	<10	<1.0	<1.0	<10	<10	--	<1.0	<1.0	<1.0	--	--	--	--	--	--	<0.50	<1.0	<10	--	21
2015	Sep	<1.0	<10	<1.0	<1.0	<10	<10	--	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<1.0	0.51|J	--	28
2016	Sep	0.58|J	<10	<1.0	<1.0	<10	<10	--	<1.0	<1.0	<1.0	--	--	--	--	--	--	0.18|J	<1.0	<10	--	11
2017	Sep	0.56|J	<10	<1.0	<1.0	<10	<10	--	<1.0	<1.0	<1.0	--	--	--	--	--	--	<0.50	<1.0	<10	--	13

Note:
WT=Water Tab
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Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058	SWL0058
HSU		MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Chloroform	Chloroform	1,2-Dichlorobenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	c-1,2-Dichloroethene	c-1,2-Dichloroethene	Isopropylbenzene	Tetrachloroethene	Tetrachloroethene	Toluene	Toluene	Toluene
Method		8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8270	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21	8020T	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	<5.0	<5.0UJs|	<5.0	<10UJs|	11	<10UJs|	<5.0	8.5	12Js|	<5.0	<5.0UJs|	<5.0	<10UJs|	<10UJs|	<5.0	<10UJs|	--	--	<10UJs|
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	5.1	<5.0	<5.0	<10	<5.0	<10	<5.0	14	17	<5.0	<5.0	<5.0	<10	<10	<5.0	<10	--	--	<10
1996	Jun	--	<5.0	--	<10	--	<10	6.3	--	12	--	<5.0	--	<10	<10	--	<10	--	--	<10
1996	Oct	--	<10	--	<20	--	<20	5.2	--	<10	--	<10	--	<20	<20	--	<20	--	--	<20
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<5.0	--	<10	--	<10	6.8	--	<5.0	--	<5.0	--	<10	<10	--	<10	--	--	<10
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<25	--	<25	--	7.8Jt|J	3.7Jt|J	--	<25Jt|J	--	<25	--	<12	<25	--	<25	--	<1.0	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<50	--	<50	--	9.1Jt|J	<9.5	--	20Jt|J	--	<50	--	<50	<50	--	<50	<0.50	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<5.0	--	<5.0	--	3.5|J	--	--	9.5	--	<5.0	--	<5.0	<5.0	--	9.8	--	--	<5.0
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	<2.0	--	0.39|J	--	2.4	--	--	6.8	--	1.9|J	--	1.4|J	0.54|J	--	13	--	--	<2.0
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<1.0	--	<1.0	--	0.55|J	--	--	5.9	--	0.73|J	--	0.85|J	<1.0	--	3.5	--	--	0.38|J
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<1.0	--	<1.0	--	0.50|J	--	--	7.0	--	1.0	--	1.0	<1.0	--	2.5	--	--	0.46|J
2016	Sep	--	<1.0	--	<1.0	--	<1.0	--	--	4.4	--	0.73|J	--	5.5	<1.0	--	1.1	--	--	<1.0
2017	Sep	--	<1.0	--	<1.0	--	<1.0	--	--	7.4	--	0.44|J	--	9.0	<1.0	--	0.44|J	--	--	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0058	SWL0058	SWL0058	SWL0059	SWL0059	SWL0059	SWL0059	SWL0059	SWL0059	SWL0059	SWL0059	SWL0059	SWL0059	SWL0060	SWL0060	SWL0060	SWL0060	SWL0060
HSU		MBFC	MBFC	MBFC	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	TBA	VOCs	VOCs	VOCs	VOCs
Analyte		Trichloroethene	Trichloroethene	pCBSA	Benzene	Bromodichloromethane	Chlorodibromomethane	Chloroform	1,1-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	Methyl Tert-butyl ether (MTBE)	Toluene
Method		8010/21	8240/60	300.0T	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	<5.0	<10UJs|	6.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<5.0	<10	7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jun	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	<20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	<0.50	1.7	2.3	8.6	1.2	8.4	19	<1.0	100	580	--	130	5.3	6.6	2.2
2004	Dec	--	--	--	0.66	<1.0	<1.0	10	1.7	9.4	30	<1.0	160	870	--	21	2.0	8.5	<1.0
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	9.3	<5.0	<5.0	9.1	1.5|J	10	26	<5.0	130	690	--	--	--	--	--
2006	Nov	--	64	--	--	--	--	--	--	--	--	--	--	--	--	150|J	11	3.6|J	4.8|J
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	13,000	<20	15	2.7	4.8
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	21Jm|	--	<5.0	<10	<10	12	3.5|J	14	93	<10	330	1,700	160,000	<2,000	240	<100	61|J
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	25	--	4.0|J	<10	<10	15	<10	14	96	<10	280	1,800	200,000	<1,000	240	<50	51
2016	Sep	--	8.4	--	<10	<20	<20	12|J	<20	16|J	87	<20	530	2,100	36,000	<100	55	2.9|J	13
2017	Sep	--	8.6	--	0.24|J	<1.0	<1.0	8.9	1.5	6.2	57	1.7	280	1,200	35,000	<20	51	2.2	15

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0060	SWL0060	SWL0061	SWL0061	SWL0061	SWL0061	SWL0061	SWL0061	SWL0063	SWL0063	SWL0063	SWL0063	SWL0063	SWL0063	SWL0063	SWL0063	SWL0063	SWL0063	SWL0063	SWL0063	SWL0063	SWL0064
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		m,p-Xylene	o-Xylene	Acetone	Benzene	Carbon Disulfide	Toluene	Trichloroethene	Vinyl Chloride	Tert-Butyl Alcohol (TBA)	Benzene	sec-Butylbenzene	Carbon Disulfide	1,1-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl Chloride	Acetone
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	1.3	<1.0	<10	9.9	<10	<1.0	2.5	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	<1.0	<1.0	890	<0.50	<10	<1.0	<1.0	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	520	<5.0	<50	<5.0	<5.0	5.8	30	<5.0	8.9	<5.0	92	<2.5	<100
2006	Aug	--	--	--	--	--	--	--	--	--	520	<5.0	<50	<5.0	<5.0	5.3	28	<5.0	13	<5.0	95	<2.5	120
2006	Oct	--	--	<50	<0.68Ux|	<10	<1.0	<1.0	<0.50UJm|	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	<10	<10	--	--	--	--	--	--	--	550	0.47|J	<10	<1.0	2.7	7.2	28	0.30|J	11	0.43|J	110	<0.50	<50
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	890	<1.0	<10	<1.0	2.6	16	37	<1.0	9.2	<1.0	94	<0.50	--
2008	Nov	--	--	--	--	--	--	--	--	--	480	<10	<100	<10	<10	17	33	<10	10	<10	96	<5.0	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	<10UJm|	460	<1.0	<10	<1.0	3.0	13	34	<1.0	18	<1.0	190Jm|	<0.50	--
2012	Mar	3.3	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<100	<100	<20	0.39|J	0.42|J	0.43|J	<1.0	1.2	--	35	0.31|J	<10	0.32|J	2.7	11	<1.0	<1.0	0.58|J	0.57|J	92	0.44|J	<20
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	20|J	<50	<20	68	0.48|J	0.31|J	0.65|J	1.7	--	41	<1.0	0.66|J	<1.0	2.2	11	<1.0	<1.0	<1.0	<1.0	69	<0.50	<100
2016	Sep	6.5	<5.0	<20	29	<10	<1.0	<1.0	0.51	--	280	<2.0	<20	<2.0	2.7	17	0.34|J	<2.0	<2.0	<2.0	120	<1.0	<100
2017	Sep	9.6	0.59|J	<20	9.5	<10	<1.0	<1.0	<0.50	--	180	<1.0	<10	<1.0	1.6	72	0.68|J	<1.0	0.52|J	<1.0	13	<0.50	<20

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0064	SWL0064	SWL0064	SWL0064	SWL0064	SWL0064	SWL0064	SWL0064	SWL0064	SWL0064	SWL0064	SWL0064	SWL0065	SWL0065	SWL0065	SWL0065	SWL0065	SWL0065	SWL0065
HSU		MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Benzene	Chlorobenzene	Chloroform	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	Tetrachloroethene	Toluene	Trichloroethene	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	Cyclohexane	Ethanol
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	<5.0	35	<10	<10	<10	<10	20	16	<10	310	<10	1,100	--	<1,000	180,000	<100	<100	--	--
2006	Aug	<2.5	36	<5.0	<5.0	<5.0	<5.0	24	16	<5.0	340	<5.0	1,400	--	<20,000	340,000	<2,000	<2,000	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	1.5	41	1.5	0.25|J	0.36|J	2.8	19	16	<1.0	240	<1.0	1,100	--	190|J	190,000	<20	56	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	<10	40	95,000	20	45	17	250
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	2.2	440	<1.0	<1.0	1.8	0.97|J	1.4	2.7	<1.0	16	0.49|J	97Jm|	--	<100	470	<5.0	4.7|J	<50	<500
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	3.5	680	<5.0	<5.0	2.3|J	<5.0	<5.0	6.8	<5.0	10	<5.0	110	--	<100	<2.5	<5.0	<5.0	<50	<500
2016	Sep	3.8	480	<5.0	<5.0	<5.0	9.3	9.8	140	6.1	67	<5.0	570	--	<100	<2.5	<5.0	<5.0	<50	<500
2017	Sep	2.8	650	<1.0	<1.0	2.3	1.3	2.1	100	<1.0	4.9	<1.0	39	--	<20	0.28|J	<1.0	<1.0	<10	<100

Note:
WT=Water Tab
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Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0065	SWL0065	SWL0065	SWL0065	SWL0065	SWL0065	SWL0066	SWL0066	SWL0066	SWL0066	SWL0066	SWL0066	SWL0066	SWL0067	SWL0067	SWL0067	SWL0067	SWL0067
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	TBA	VOCs	VOCs	VOCs	VOCs
Analyte		Ethylbenzene	Isopropylbenzene	n-Propylbenzene	Toluene	m,p-Xylene	o-Xylene	Benzene	1,1-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	Methylene Chloride	Tetrachloroethene	Trichloroethene	Tert-Butyl Alcohol (TBA)	1,1-Dichloroethene	c-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	15,000	<100	<100	180	<100	<100	<1.0	<2.0	3.6	5.8	<20	71	270	--	<5.0	11	<5.0	360
2006	Aug	29,000	<2,000	<2,000	<2,000	<2,000	<2,000	<2.5	<5.0	<5.0	5.3	<50	60	280	--	<5.0	10	<5.0	460
2006	Oct	--	--	--	--	--	--	0.29|J	0.35|J	5.9	8.4	16	74	300	--	0.99|J	9.8	0.89Jf|J	310
2006	Nov	16,000	54	36	190	5.9|J	<20	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	14,000	39	26	95	<100	1.2	--	--	--	--	--	--	--	<10UJm|	1.8	16	<1.0	470Jm|
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	30	<5.0	<5.0	<5.0	<5.0	<5.0	420	4.0|J	14	90	<50	140	930	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<1.0	<1.0	7.3	<10	0.62|J	18	--	--	--	--	--
2016	Sep	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<1.0	<1.0	2.3	<10	0.85|J	3.3	--	--	--	--	--
2017	Sep	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	0.77|J	<10	<1.0	0.93|J	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		SWL0068	SWL0068	SWL0068	SWL0068	SWL0068	SWL0068	SWL0068	SWL0068	XBF-04	XBF-04	XBF-04	XBF-04	XBF-04	XBF-04	XBF-04	XBF-04	XBF-04	XBF-04	XBF-05	XBF-05	XBF-05	XBF-05	XBF-05
HSU		WT	WT	WT	WT	WT	WT	WT	WT	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC
Analyte Class		TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Tert-Butyl Alcohol (TBA)	Benzene	2-Butanone	Ethylbenzene	Styrene	Toluene	m,p-Xylene	o-Xylene	Benzene	Benzene	Benzene	Chlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	Trichloroethene	pCBSA	Chlorobenzene	1,4-Dichlorobenzene	Toluene	Toluene	Toluene
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8010/21	8020T	8240/60	8240/60	8270	8240/60	8240/60	8270	8240/60	300.0T	8240/60	8240/60	8010/21	8015	8020T
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,700	<20U|	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,000	<5.0	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	590	<20	--	--	5.4
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	550	<100	--	<0.50	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	320	<5.0	--	--	<0.50UJh|
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	220	<5.0	--	--	<0.50
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	94	<1.0	--	--	<0.50
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	--	--	--	--	--	61	--	21,000	5.5	<300	<300	38	<300	44	48	<1.0	--	--	<0.50
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	<100	13,000	<30	<200	<200	46	<200	42	--	--	--	--	--
1996	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	23	--	17,000	--	<100	<100	--	110	--	5.9	<1.0	--	--	<0.50
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11	0.11Jt|J	--	--	<1.0
1998	Apr	--	--	--	--	--	--	--	--	--	33	--	18,000	--	40Jt|J	41Jt|J	--	120Jt|J	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	41	--	--	18,000	--	<1,000	<1,000	--	<1,000	--	4.6	<1.0	<0.50	--	--
2000	Jul	--	--	--	--	--	--	--	--	56	--	--	18,000	--	<250	<250	--	160|J	--	4.0	<1.0	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	280,000	19,000	1,200	6,100	50,000	4,400	1,700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	<25,000	150,000	<25,000	<2,500	4,400	40,000	4,100	<2,500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	17,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	24,000	150,000	5,100|J	2,400	4,000	46,000	4,600	1,700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	32,000	170,000	9,500|J	4,300	3,800	56,000	6,500	2,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	45,000	200,000	16,000	2,300	3,800	51,000	4,600	1,900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	38,000	160,000	6,100|J	3,100	5,200	50,000	6,100	2,400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XBF-05	XBF-05	XBF-05	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-06	XBF-07	XBF-07
HSU		MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC
Analyte Class		VOCs	pCBSA	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	VOCs	VOCs
Analyte		Toluene	pCBSA	pCBSA	Acetone	Benzene	Benzene	Benzene	Chlorobenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	Ethylbenzene	Tetrachloroethene	Toluene	Toluene	Toluene	Trichloroethene	m,p-Xylene	o-Xylene	Xylenes (Total)	pCBSA	pCBSA	Acetone	Benzene
Method		8240/60	300.0T	ICT	8240/60	8015	8020T	8240/60	8240/60	8240/60	8015	8020T	8240/60	8270	8240/60	8240/60	8015	8020T	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	8240/60	8015
Units		µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L
1993	Feb	<20U|	--	--	<2,000U|	--	--	200	33,000	<200U|	--	--	<200U|	<5.0U|	<200U|	<200U|	--	--	<200U|	<200U|	--	--	<200U|	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<5.0	--	5.3	<50U|	--	--	180	25,000	<5.0U|	--	--	<5.0U|	37	<5.0U|	<5.0U|	--	--	<5.0U|	<5.0U|	--	--	28	--	120	<50U|	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<20	2.9	--	<3,000	--	160	--	24,000	<300	--	--	<300	31	<300	<300	--	4.5	--	<300	--	--	<300	110	--	<5,000	--
1994	Jul	--	<0.10	--	<5,000	180	--	--	25,000	<500	<0.50	--	--	36	<500	<500	0.70	--	--	<500	--	--	<500	99	--	<5,000UJ|	49
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	0.93	--	<2,000	--	160	--	22,000	<200	--	--	<200	21	<200	<200	--	<0.50	--	<200	--	--	<200	89	--	<2,000UJh|	--
1995	Mar	--	0.24	--	<500	--	140	--	9,300	<50	--	35	<50	--	<50	<50	--	3.5	--	<50	--	--	<50	77	--	<5,000	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	<0.10	--	<2,000	--	180	--	2,500	<200	--	--	<200	--	<200	<200	--	<20	--	<200	--	--	<200	80	--	<2,000	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<0.10	--	2,300	--	110	--	19,000	<200	--	--	<200	--	<200	<200	--	0.51	--	<200	--	--	<200	80	--	18,000	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	--	--	<3,000	--	160	--	25,000	<300	--	--	<300	--	<300	<300	--	<0.50	--	<300	--	--	<300	75	--	<5,000	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	<2,000	--	--	<100	26,000	<200	--	--	<200	--	380	<200	--	--	<200	<200	--	--	<200	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	<5,000	--	--	240J|J	26,000	<500	--	--	50J|J	--	<500	<500	--	--	<500	<500	--	--	<500	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	<2,000	--	--	<1,000	23,000	<1,000	--	--	<1,000	--	<1,000	<1,000	--	--	<1,000	<1,000	--	--	<1,000	--	--	--	--	--
2000	Jul	<1.0	--	--	<2,500	--	--	170|J	25,000	<250	--	--	<250	--	<250	<250	--	--	<250	<250	--	--	<250	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	<200	--	--	11	1,900	<10	--	--	5.7|J	--	<10	<10	--	--	<10	<10	<10	<10	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	<500	--	--	15	3,800	<25	--	--	<25	--	<25	<25	--	--	<25	<25	<25	<25	--	--	--	--	--	--
2016	Sep	--	--	--	<200	--	--	10	1,900	<10	--	--	6.5|J	--	<10	<10	--	--	<10	<10	<10	<10	--	--	--	--	--	--
2017	Sep	--	--	--	<20	--	--	12	3,300	0.96|J	--	--	8.1	--	0.89|J	0.91|J	--	--	<1.0	0.90|J	2.0	0.54|J	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XBF-07	XBF-07	XBF-07	XBF-07	XBF-07	XBF-07	XBF-07	XBF-07	XBF-07	XBF-10	XBF-10	XBF-10	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13
HSU		MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	r MBFB/MB	r MBFB/MB	MBFB/MB	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBF	er MBFB/MBF	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	er MBFB/MBF	Mer MBFB/MBF
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Benzene	Benzene	Chlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	Toluene	Toluene	Toluene	Trichloroethene	Acetone	pCBSA	pCBSA	2,4-Dimethylphenol	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	Bromochloromethane	Bromochloromethane	sec-Butylbenzene	Chlorobenzene	Chlorobenzene	Chloroform	Chloroform	Cyclohexane
Method		8020T	8240/60	8240/60	8020T	8240/60	8015	8020T	8240/60	8240/60	8240/60	300.0T	ICT	8270	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	<5.0U|	--	<5,000U|	26,000	--	--	--	--	500	--	<300U|	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	<5.0U|	36,000	--	<5.0U|	--	--	<5.0U|	<5.0U|	<10	--	<0.10	<5.0	--	<3,000	26,000	--	--	<300	<0.50	<300	<1.9UJ|	<200	<3,000
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	53	--	41,000	--	<500	--	<0.50	--	<500	<10	<0.10	--	50	--	<3,000	24,000	--	--	<300	<50	<300	<50	<200	<3,000
1994	Jul	--	<300UJ|	32,000J|	--	<500UJ|	0.50	--	<500UJ|	<500UJ|	3.4	<0.10	--	<5.0	--	<2,000UJh|	23,000Jh|	26	--	<200UJh|	<0.50	<200UJh|	1.3	<100UJh|	<2,000UJh|
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	54	--	27,000Jh|	--	<200UJh|	--	<0.50	--	220Jh|	<10	<0.10	--	<5.0	--	<2,000	19,000	--	--	<200	<50	<200	<50	<100	<2,000
1995	Mar	59	--	30,000	100	<500	--	0.94	--	<500	11	<0.10	--	38	--	<2,000	25,000	--	--	<200	<3.0	<200	<3.0	110	<2,000
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	3.8	--	34,000	--	<200	--	<10	--	<200	<10	<0.10	--	<5.0	--	<2,000	19,000	--	--	<200	<50	<200	<50	<100	<2,000
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	54	--	22,000	--	<500	--	<0.50	--	<500	<10	<0.10	--	<5.0	--	1,100	15,000	--	--	<100	<0.50	<100	<0.50	<50	<1,000
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	<10	<0.10	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	69	--	32,000	--	<500	--	<0.50	--	<500	--	--	--	<5.0	--	<2,000	21,000	--	--	<200	<30	<30	<30	<100	<2,000
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	<10	--	--	--	--	<2,000	20,000	--	--	<200	--	<200	--	<100	<2,000
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	<10UJ|	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5,000	22,000	--	--	--	--	170Jt|J	--	<500	<5,000
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	<2.0	--	--	--	--	<1,000Ub|J	19,000	--	--	--	--	<500	--	<500	<1,000
2000	Jul	--	--	--	--	--	--	--	--	--	<10	--	--	--	--	<1,200	8,700	--	--	<120	--	<120	--	<120	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<500	1,200	--	<10	<10	--	<10	--	<10	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	49	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	22	<20	3.9	--	<1.0	0.83|J	--	<1.0	--	<1.0	<10
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	32	<20	0.53	--	<1.0	0.67|J	--	<1.0	--	<1.0	3.9|J
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	<20	<0.50Ux|J	--	<1.0	1.1	--	<1.0	--	<1.0	<10
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	<20	0.35|J	--	<1.0	1.4	--	<1.0	--	<1.0	<10

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-13	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	MBFB/MBF	MBFB/MBF	Mer MBFB/MBF	MBFB/MBF	MBFB/MBF	MBFB/MBF	MBFB/MBF	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		1,2-Dichloroethane	1,2-Dichloroethane	c-1,2-Dichloroethene	c-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Methylene Chloride	Naphthalene	Tetrachloroethene	Tetrachloroethene	Trichloroethene	Trichloroethene	Xylenes (Total)	pCBSA	pCBSA	Acetone	Benzene	Benzene	Benzene	Benzene	Chlorobenzene	Chlorobenzene	Chloromethane
Method		8010/21	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8270	8010/21	8240/60	8010/21	8240/60	8240/60	300.0T	ICT	8240/60	8010/21	8015	8020T	8240/60	8010/21	8240/60	8010/21
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	<300U|	--	<500U|	690	--	<500U|	15	--	<500U|	--	<500U|	<500U|	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<0.50	<200	<0.50	<300	590	0.50	<300	15	<0.50	<300	<0.50	<300	<300	--	2.0	<50	--	--	--	9.0	3,400Jh|	2,900	<50UJh|
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<50	<200	<50	<300	530	<50	<300	9.4	<50	<300	<50	<300	<300	44	--	<300	--	--	8.5	--	2,600	2,400	<50
1994	Jul	<0.50	<100UJh|	<0.50	<200UJh|	480Jh|	<0.50	<200UJh|	12	<0.50	<200UJh|	<0.50	<200UJh|	<200UJh|	<0.10	--	<2,000	--	5.4	--	--	1,300Jh|	2,100	<10UJh|
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<50	<100	<50	<200	540	<50	<200	13	<50	<200	<50	<200	<200UJl|	<0.10	--	<200UJh|	--	--	7.5	--	2,600	2,400Jh|	<10
1995	Mar	<3.0	<100	<3.0	<200	610	<3.0	<200	12	<3.0	<200	<3.0	<200	<200	<0.10	--	380	--	--	8.7	--	4,100	3,400	<20
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<50	<100	<50	<200	580	<56Ub|	<200	7.5	<50UJl|	<200	<50	<200	<200	1.2	--	<520Ub|	--	--	5.0	--	3,100	2,600	<20
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<0.50	<50	<0.50	<100	310	<2.0	<100	8.8	<0.50	<100	<0.50	<100	<100	<0.10	--	<310Ub|	--	--	5.4	--	3,300	2,300	<20
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<30	340	<30	<200	480	<100	<200	7.0	<30	<200	<30	<200	<200	0.84	--	<300	--	--	7.5	--	2,800	3,700	<10
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	<100	--	<200	530	--	<200	--	--	<200	--	<200	<200	--	--	<200	--	--	--	<10	--	3,000	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<500	--	<250	640	--	<2,500	--	--	<500	--	<500	520	--	--	<500	--	--	16Jh|	--	--	3,400	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	<500	530	--	<500	--	--	<500	--	<500	<500	--	--	<200	11Jh|J	--	--	--	--	2,300	--
2000	Jul	--	<120	--	<120	590	--	<120	--	--	<120	--	<120	<120	--	--	<500	7.5	--	--	--	--	2,700	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	<5.0	--	17	53	--	120	--	--	15	--	130	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	4.3	--	<1.0	0.25|J	--	<10	--	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	4.4	--	<1.0	<1.0	--	<10	--	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	5.4	--	<1.0	<1.0	--	<10	--	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	7.1	--	<1.0	<1.0	--	<10	--	--	<1.0	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-14	XBF-15	XBF-15	XBF-15	XBF-15	XBF-15	XBF-15
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Chloromethane	1,2-Dichlorobenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	Methylene Chloride	Methylene Chloride	Tetrachloroethene	Tetrachloroethene	Toluene	Toluene	Toluene	Toluene	pCBSA	pCBSA	Benzene	Benzene	Benzene	Chlorobenzene	1,2-Dichlorobenzene	1,4-Dichlorobenzene
Method		8240/60	8010/21	8240/60	8010/21	8020T	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8015	8020T	8240/60	300.0T	ICT	8010/21	8020T	8240/60	8240/60	8270	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<5.0	<50UJh|	<5.0	<50UJh|	--	<5.0	<50UJh|	<5.0	<50UJh|	12	--	--	--	<5.0	--	34	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<30	<50	<30	<50	--	<30	<50	<30	<50	<30	--	--	2.4JI|	<30	25	--	--	--	--	--	--	--
1994	Jul	<200	<10UJh|	<200	<10UJh|	--	<200	<10UJh|	310	<10UJh|	<200	--	<0.50	--	--	24	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<20UJh|	<10	<20UJh|	<10	--	<20UJh|	<10	<20UJh|	16	<20UJh|	--	--	<0.50	--	28	--	--	--	--	--	--	--
1995	Mar	<20	<20	<20	<20	12	<20	<20	<20	<20	20	--	--	<0.50	--	29	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	190	38	<20	<20	--	<20	<58Ub|	<20	31	<20	--	--	<0.50	--	23	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<20	<20	<20	<20	--	<20	<50	<20	44	23	--	--	<0.50	--	26	--	--	27	--	30,000	7.1	<500
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<30	<10	<30	<10	--	<30	<40	<30	26	25	--	--	<0.50	--	23	--	--	31	--	25,000	7.2	<300
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	<20	--	<20	--	--	<20	--	<20	--	22	--	--	--	<20	--	--	--	--	<100	22,000Js|	--	<200
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<100	--	<50	--	--	16Jt|J	--	<250	--	14Jt|J	--	--	<1.0UJh|	--	--	--	--	31	--	19,000	--	70Jt|J
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<100	--	<100	--	--	<100	--	<100	--	<100	<25UJh|	--	--	--	--	--	30	--	--	21,000	--	86Jt|J
2000	Jul	<100	--	<50	--	--	<50	--	<50	--	<50	<1.0	--	--	--	--	--	34	--	--	19,000	--	89|J
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XBF-15	XBF-15	XBF-15	XBF-15	XBF-15	XBF-15	XBF-15	XBF-19	XBF-19	XBF-21	XBF-21	XBF-21	XBF-21	XBF-21	XBF-21	XBF-21	XBF-21	XBF-21	XBF-23	XBF-23	XBF-23	XBF-23	XBF-23	XBF-23	XBF-23	XG-01WC
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	r MBFB/MB	MBFB/MB	r MBFB/MB	Mer MBFB/MBFC	r MBFB/MB	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	er MBFB/MB	r MBFB/MB	MBFB/MB	MBFB/MB	Mer MBFB/MBFC
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	VOCs	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	TBA
Analyte		1,4-Dichlorobenzene	Tetrachloroethene	Toluene	Toluene	Toluene	Trichloroethene	pCBSA	Benzene	pCBSA	Benzene	Benzene	Benzene	2-Butanone	Chlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	Ethylbenzene	pCBSA	tert-Butylbenzene	Carbon Disulfide	Chlorobenzene	2-Hexanone	Toluene	pCBSA	pCBSA	Tert-Butyl Alcohol (TBA)
Method		8270	8240/60	8010/21	8020T	8240/60	8240/60	300.0T	8240/60	300.0T	8010/21	8020T	8240/60	8240/60	8240/60	8240/60	8270	8240/60	300.0T	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	<2.0	23	<5.0	1.9	--	<0.10	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	<2.0	25	<5.0	<1.0	<0.10	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0UJh|	<2.0UJh|	23Jh|	<5.0UJh|	<1.0UJh|	2.0	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	<2.0	21	<5.0	<1.0	<0.10	--	--
1995	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	<2.0	15	<5.0	<1.0	<0.10	--	--
1995	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	<2.0	14	<5.0	<1.0	<0.10	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	47	<500	--	<0.50	--	<500	110	<0.50	<0.10	--	5.9	--	<500	6,600	<100	--	<100	32	<1.0	<2.0	12	<5.0	<1.0	0.22	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	52	<300	--	<0.50	--	<300	98	<0.50	<0.10	--	--	<50	<500	5,800	<100	18	<100	31	<1.0	<2.0	18	<5.0	<1.0	<0.10	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	<200	--	--	<200	<200	--	<0.50	--	--	--	<30	<300	5,200Js|	<50	--	170Js|	--	<1.0	<2.0	11	<5.0	<1.0	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	170Jt|J	--	<1.0	--	55Jt|J	--	<1.0	--	--	5.4	--	<1,000	4,900	22Jt|J	--	<100	--	<1.0	<10	11	--	<1.0	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	360Jt|J	0.64	--	--	<620	--	<1.0	--	4.1	--	--	180Jtb|J	4,600	<250	--	<250	--	0.17Jt|J	<2.0	5.7	<2.0	<1.0	--	--	--
2000	Jul	--	490	<1.0	--	--	<250	--	<1.0	--	7.4	--	--	<250	3,300	<50	--	<50	--	<1.0	<1.0	4.3	<5.0	<1.0	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	0.86|J	2.9	7.7|J	<1.0	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	2.5	--	--	--	--	--	--	--	--	--	--	<1.0	<10	1.3	<10	<1.0	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	200
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-01WC	XG-02WC	XG-02WC	XG-02WC	XG-02WC	XG-02WC
HSU		er MBFB/MBF	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	er MBFB/MBF	er MBFB/MBF	er MBFB/MBF	Mer MBFB/MBFC	Mer MBFB/MBFC	er MBFB/MBF	Mer MBFB/MBFC	er MBFB/MBF	er MBFB/MBF	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	er MBFB/MBF	er MBFB/MBF	Mer MBFB/MBFC	er MBFB/MBF
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	TBA	VOCs	VOCs	VOCs	VOCs
Analyte		Benzene	n-Butylbenzene	sec-Butylbenzene	Carbon Disulfide	Chloroform	Cyclohexane	Ethylbenzene	Isopropylbenzene	Methylene Chloride	Naphthalene	n-Propylbenzene	Styrene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (Total)	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	Chlorobenzene	Chloroform
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	21	--	1.9	<2.0	<0.50	19	3.7	3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	13	<1.0	<0.50
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	1.7	--	2.1	2.4	<0.50	38	4.3	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<0.50	<1.0	<0.50
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	2.9	--	4.1	<2.0	<0.50	87	3.2	7.4	<1.0	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<0.50	<1.0	<0.50
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	3.2	--	5.8	<2.0	<0.50	82	7.0	9.3	<1.0	<1.0	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<0.50	<1.0	<0.50
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	4.7	--	4.5	<2.0	<0.50	73	12	9.2	<1.0	<1.0	2.6	<1.0	<1.0	<1.0	<1.0	<1.0	--	<10	<0.50	<1.0	<0.50
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	7.5	--	--	<10	0.44Jt|J	74	38	14	1.8Jt|J	<1.0	4.9	0.13Jt|J	0.57Jt|J	0.24Jt|J	1.7	32	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	<1.0	<1.0	<1.0
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	7.2	--	--	<4.0	<2.0	59	54	19	<2.0	0.39Jt|J	6.9	<2.0	0.64Jt|J	<2.0	<2.0	<2.0	--	<2.0	<1.0	<1.0	<1.0
2000	Jul	9.3	--	6.2	<2.0	<2.0	--	120	15	<2.0	<2.0	9.7	<2.0	1.0|J	<2.0	6.2	<2.0	--	<10	<1.0	<1.0	<1.0
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	5.9	<10	3.4|J	<100	<10	--	110	10	<100Uyz|J	<100	11	<10	<10	<10	<10	<10	--	<10	<0.50	38	0.59|J
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	3.5	2.8	4.7	<10	<1.0	--	100	13	<10	<10	12	<1.0	0.50|J	<1.0	<1.0	--	--	8.8|J	<1.1Ux|	540	<1.0Ux|J
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<0.50	1.3	6.6	<10	<1.0	<10	9.8	8.1	<10	<10	3.9	<1.0	<1.0	<1.0	<1.0	--	<10	<20	0.93	1,200	1.4
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<0.50	<1.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<10	<10	<1.0	0.25|J	0.82|J	<1.0	<1.0	--	--	<20	0.39|J	180	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<0.50	<1.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<10	<10	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<20	<0.59Uz|	310	<1.0
2016	Sep	<0.50	<1.0	0.36|J	<10	<1.0	<10	<1.0	<1.0	<10	<10	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<100	<2.5	410	<5.0
2017	Sep	<0.50	<1.0	2.6	<10	<1.0	<10	0.29|J	2.4	<10	<10	0.34|J	<1.0	<1.0	<1.0	<1.0	--	--	<20	<0.50	250	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XG-02WC	XG-02WC	XG-02WC	XG-04	XG-04	XG-04	XG-04	XG-04	XG-04	XG-04	XG-04	XG-04	XG-04	XG-04	XG-04	XG-04	XG-04	XG-05	XG-05	XG-05	XG-05	XG-05	XG-05	XG-05
HSU		Mer MBFB/MBFC	Mer MBFB/MBFC	er MBFB/MBF	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	SVOCs	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		1,2-Dichlorobenzene	1,4-Dichlorobenzene	Toluene	Acetone	Benzene	Benzene	Benzene	Chlorobenzene	1,4-Dichlorobenzene	c-1,2-Dichloroethene	Naphthalene	Toluene	Toluene	Toluene	Trichloroethene	pCBSA	pCBSA	Bis(2-Ethylhexyl) Phthalate	2-Chlorophenol	Di-n-Octyl Phthalate	Acetone	Benzene	Benzene	Benzene	Benzene
Method		8240/60	8240/60	8240/60	8240/60	8015	8020T	8240/60	8240/60	8240/60	8240/60	8240/60	8015	8020T	8240/60	8240/60	300.0T	ICT	8270	8270	8270	8240/60	8010/21	8015	8020T	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	<100U|	--	--	<5.0U|	600	<10U|	<10U|	--	--	--	<10U|	<10U|	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17	7.5	17	<500U|	--	--	--	<30U|
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	<50	--	--	<5.0	580	<5.0	<5.0	<5.0	--	--	<5.0	<5.0	--	4.3	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1,000	--	--	--	<50
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	<50	--	<0.50	--	530	<5.0	<5.0	<5.0	--	2.2	<5.0	<5.0	3.5	--	--	--	--	<500	--	--	5.3	--
1994	Jul	--	--	--	<2,000	0.73	--	--	480	<200	<200	<200	<0.50	--	--	<200	<0.10	--	--	--	--	<2,000UJh|	--	5.3	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	<50UJh|	--	0.99	--	620Jh|	<5.0UJh|	<5.0UJh|	<5.0UJh|	--	<0.50	--	<5.0UJh|	3.7	--	--	--	--	<500UJh|	--	--	6.8	--
1995	Mar	<1.0	<1.0	<1.0	<1,000	--	0.59	--	1,100	<100	<100	<100	--	<0.50	--	<100	3.6	--	--	--	--	1,200	--	--	6.7	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<1.0	<1.0	<1.0	<50	--	<0.50	--	700	<5.0	<5.0	<5.0	--	<0.50	--	<5.0	--	--	--	--	--	<1,000	--	--	<10	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1.0	<1.0	<1.0	92	--	<0.50	--	550	<5.0	<5.0	<5.0	--	<0.50	--	<5.0	3.1	--	--	--	--	<1,000	--	--	4.7	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<1.0	<1.0	<1.0	<50	--	<0.50	--	380	<5.0	<5.0	<5.0	--	<0.50	--	<5.0	1.5	--	--	--	--	<500	--	--	5.7	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	<1.0	<1.0	<1.0	28	--	--	<0.50	160	<1.0	<1.0	3.3	--	--	<1.0	<1.0	--	--	--	--	--	<500	--	--	--	<30
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<1.0	<1.0	<1.0	<20RI|	--	--	<2.0	110	0.85Jt|J	<1.0	<2.0	--	--	<2.0	0.83Jt|J	--	--	--	--	--	<1,000	--	--	4.8	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<1.0	<1.0	<1.0	<10	--	--	<5.0	120	<5.0	<5.0	<5.0	--	--	<5.0	3.8Jt|J	--	--	--	--	--	<500	4.5Jh|	--	--	--
2000	Jul	<1.0	<1.0	<1.0	<10	--	--	<1.0	67	0.49|J	0.48|J	<1.0	--	--	<1.0	8.1	--	--	--	--	--	<500	3.4	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	0.23|J	1.5	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<1.0	5.1	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	0.68|J	0.80|J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<1.0	1.1	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	<1.0	0.56|J	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XG-05	XG-05	XG-05	XG-05	XG-05	XG-06	XG-06	XG-06	XG-06	XG-06	XG-06	XG-06	XG-06	XG-06	XG-06	XG-08	XG-08	XG-08	XG-08	XG-08	XG-08	XG-08	XG-08	XG-08	XG-09	XG-09	XG-09
HSU		Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage
Analyte Class		VOCs	VOCs	VOCs	pCBSA	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	VOCs	VOCs	VOCs
Analyte		Chlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	pCBSA	pCBSA	Acetone	Benzene	Benzene	Benzene	Chlorobenzene	1,4-Dichlorobenzene	Methylene Chloride	Trichloroethene	pCBSA	pCBSA	Acetone	Benzene	Benzene	Benzene	Chlorobenzene	Cyclohexane	1,4-Dichlorobenzene	pCBSA	pCBSA	Acetone	Benzene	Chlorobenzene
Method		8240/60	8240/60	8270	300.0T	ICT	8240/60	8010/21	8020T	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	8240/60	8010/21	8020T	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	5,700	<50U|	6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10U|	91	<1.0U|
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	<50U|	--	--	23	2,600	<5.0U|	<5.0U|	<5.0U|	--	21	<50	--	--	4.8	250	<50	<5.0	--	1.5	<10	24	2.0
1994	Mar	9,200	<100	--	--	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	8,600	<50	--	27	--	<500	--	<0.50	--	2,300	<50	<50	<50	19	--	<50	--	--	<3.0	270	<50	<5.0	1.6	--	<10	1.8	<1.0
1994	Jul	8,000Jh|	<200UJh|	--	26	--	<2,000	--	--	1.7	2,100	<200	<200	<200	18	--	<100	--	--	<5.0	360	<100	<10	<0.10	--	<10UJh|	1.0Jhs|	1.0Jhs|
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	8,300Jh|	<50UJh|	--	26	--	<200UJh|	--	2.0	--	2,600Jh|	<20UJh|	<20UJh|	<20UJh|	20	--	<50	--	--	<3.0	280	<50	<5.0	1.4	--	<10	1.0	1.1
1995	Mar	7,600	<100	--	23	--	470	--	2.4	--	3,500	<20	<20	<20	20	--	<100	--	--	<5.0	400	<100	<10	1.7	--	<10	<0.50	<1.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	6,600	<100	--	25	--	<200	--	6.5	--	3,200	<20	<20	<20	<0.10	--	<20	--	--	<1.0	330	<20	<2.0	1.5	--	<10	0.57	<1.0
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	6,900	<100	--	25	--	<500	--	1.3	--	2,900	<50	<50	<50	23	--	110	--	--	<3.0	220	<50	<5.0	1.8	--	11	<0.50	<1.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	<0.50	<1.0
1996	Feb	5,600	<50	--	23	--	<500	--	1.5	--	2,900	<50	120	<50	22	--	<50	--	--	<3.0	430	<50	<5.0	<0.10	--	--	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	5,400	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	<100	--	--	<5.0	1,600Js|	<100	<10	--	--	<10	<0.50	1.1
1997	Feb	--	--	--	--	--	<300	--	--	<20	2,900	<30	<30	<30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10UJl|	0.32Jt|J	5.8
1998	Mar	6,300	20Jt|J	--	--	--	<5,000	--	96	--	33,000	69Jt|J	<2,500	140Jt|J	--	--	<500	--	7.1	--	4,700	23|J	7.6Jt|J	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	5,000	<250	--	--	--	<200	2.2Jo|	--	--	3,000	<100	<100	<100	--	--	<500	7.6	--	--	4,900	<500	<250	--	--	<2.0	0.59Jt|J	15
2000	Jul	3,800	<50	--	--	--	<500	1.7	--	--	2,700	<50	<50	<50	--	--	<500	<1.0	--	--	2,400	--	<50	--	--	<10	1.4	83
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XG-09	XG-09	XG-09	XG-09	XG-09	XG-11	XG-11	XG-11	XG-11	XG-11	XG-11	XG-11	XG-11	XG-12	XG-12	XG-12	XG-12	XG-12	XG-12	XG-12	XG-12	XG-12	XG-12	XG-12	XG-12	XG-12
HSU		Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage
Analyte Class		VOCs	VOCs	VOCs	pCBSA	pCBSA	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA
Analyte		Ethylbenzene	Isopropylbenzene	Xylenes (Total)	pCBSA	pCBSA	Tert-Butyl Alcohol (TBA)	Benzene	Chlorobenzene	Isopropylbenzene	Methylene Chloride	Naphthalene	pCBSA	pCBSA	Acetone	Benzene	Benzene	Benzene	Chlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	Naphthalene	Toluene	Toluene	Toluene	Xylenes (Total)	pCBSA
Method		8240/60	8240/60	8240/60	300.0T	ICT	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	300.0T	ICT	8240/60	8015	8020T	8240/60	8240/60	8020T	8240/60	8240/60	8015	8020T	8240/60	8240/60	300.0T
Units		µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
1993	Feb	--	--	--	--	--	--	<0.50U|	<1.0U|	--	1.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	36	--	<1.0U|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	23	<1.0	<1.0	--	2.2	--	5.0	<1.0	<1.0	<1.0	<1.0	--	0.56	<50	--	--	23	1,200	--	<5.0	<5.0	--	--	<5.0	10	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	17	<1.0	<1.0	1.0	--	--	<0.50	<1.0	<1.0	<1.0	<1.0	0.44	--	<200	--	23	--	1,200	--	<20	<20	--	<0.50	--	<20	12
1994	Jul	13Jhs|	<1.0UJh|	<1.0UJh|	1.6	--	--	<0.50	<1.0	<1.0	<2.2Ub|	<1.0	<0.10	--	<1,000	22	--	--	1,300	--	<100	<100	0.80	--	--	<100	18
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	12	<1.0	<1.0	0.72	--	--	<0.50	<1.0	<1.0	<1.0	<1.0	0.36	--	<200	--	31	--	1,200	--	<20	<20	--	<0.50	--	<20	17
1995	Mar	8.6	<1.0	<1.0	0.77	--	--	<0.50	<1.0	<1.0	<1.0	<1.0	0.40	--	100	--	24	--	1,600	3.8	<10	<10	--	<0.50	--	<10	17
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	7.8	<1.0	<1.0	0.62	--	--	<0.50	<1.0	<1.0	<1.0	<1.0	0.38	--	<100	--	23	--	1,400	--	<10	<10	--	<3.0	--	60	18
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	4.0	<1.0	<1.0	0.67	--	--	<0.50	<1.0	<1.0	<1.0	1.7	0.48	--	240	--	19	--	1,100	--	<10	13	--	<0.50	--	<10	18
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	5.9	<1.0	<1.0	0.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	--	--	--	--	--	<0.50	<1.0	<1.0	<1.0	<1.0	<0.10	--	<300	--	19	--	1,100	--	<30	<30	--	<0.50	--	<30	15
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	5.6	<1.0	<1.0	--	--	--	<0.50	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	7.4	0.11Jt|J	6.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	<1.0	0.82Jt|J	0.18Jt|J	<5.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	9.6	<1.0	<1.0	--	--	--	<1.0	1.2	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	19	0.29|J	<1.0	--	--	--	<1.0	<1.0	<1.0	<1.0	0.74|J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XG-12	XG-13	XG-13	XG-13	XG-13	XG-13	XG-13	XG-13	XG-13	XG-13	XG-13	XG-13	XG-13	XG-14	XG-14	XG-14	XG-14	XG-17	XG-17	XG-17	XG-17	XG-17	XG-17	XG-17	XG-17	XG-17
HSU		Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage	Gage
Analyte Class		pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	pCBSA	VOCs	VOCs	pCBSA	pCBSA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		pCBSA	Acetone	Benzene	Benzene	Benzene	Chlorobenzene	1,4-Dichlorobenzene	1,4-Dichlorobenzene	Toluene	Toluene	Toluene	pCBSA	pCBSA	c-1,2-Dichloroethene	Trichloroethene	pCBSA	pCBSA	Acetone	Benzene	Benzene	Benzene	Carbon Disulfide	Chlorobenzene	1,2-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene
Method		ICT	8240/60	8015	8020T	8240/60	8240/60	8020T	8240/60	8015	8020T	8240/60	300.0T	ICT	8240/60	8240/60	300.0T	ICT	8240/60	8015	8020T	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<50U|	--	--	<3.0U|	<10U|	390	<3.0U|	<3.0U|	<5.0U|
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	18	<50	--	--	<5.0	1,800	--	<5.0	--	--	<5.0	--	18	<1.0	37	--	<0.10	<50	--	--	<3.0	<10	350	<3.0	<3.0	<5.0
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	<500	--	<0.50	--	1,600	--	<50	--	2.6	<50	22	--	<1.0	51	<0.10	--	<50	--	<0.50	--	<10	220	<3.0	<3.0	<5.0
1994	Jul	--	<2,000	2.0	--	--	1,800	--	<200	0.65	--	--	23	--	<1.0	51	<0.10	--	<100	1.3	--	--	<20	290	<5.0	<5.0	<10
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<200	--	2.2	--	2,000	--	<20	--	<0.50	--	24	--	<1.0	61	<0.10	--	<100	--	1.4	--	<20	320	<5.0	<5.0	<10
1995	Mar	--	260	--	2.2	--	2,100	2.6	<20	--	<0.50	--	24	--	<1.0	54	<0.10	--	<50	--	1.4	--	<10	320	<3.0	<3.0	<5.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	<200	--	1.6	--	2,600	--	<20	--	<0.50	--	24	--	<1.0	58	<0.10	--	<20	--	1.1	--	<4.0	310	<1.0	<1.0	<2.0
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<300	--	1.6	--	1,800	--	<30	--	<0.50	--	25	--	<1.0	54	<0.10	--	130	--	1.4	--	<10	220	<3.0	<3.0	<5.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<50	--	0.96	--	<10	330	<3.0	<3.0	<5.0
1996	Feb	--	<300	--	1.6	--	3,000	--	<30	--	<0.50	--	23	--	<1.0	86	<0.10	--	--	--	--	--	--	--	--	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	130Js|	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<20	--	--	<1.0	<4.0	250	<1.0	<1.0	<2.0
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	1.7	240	--	--	<50	--	--	1.3Jt|J	<50	270	<5.0	<5.0	<2.5
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	<10	180	--	--	<50	--	--	<25	<50	390	<25	<25	<25
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	4.4	180	--	--	<50	--	--	1.5|J	<5.0	280	<5.0	<5.0	<5.0
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	12	120	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	5.1	95	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<20	--	--	<1.6Uz|	0.95|J	110	6.2	1.3	7.3
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<20	--	--	1.9	<10	100	6.0	1.3	15
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<20	--	--	1.6	<10	86	6.6	1.1	13

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XG-17	XG-17	XG-17	XG-17	XG-17	XGW-07A	XGW-07A	XGW-07A	XGW-07A	XGW-07A	XGW-07C	XGW-07C	XMW-01	XMW-01	XMW-01	XMW-01	XMW-01	XMW-01	XMW-01	XMW-01
HSU		Gage	Gage	Gage	Gage	Gage	WT	WT	WT	WT	WT	Mer MBFB/MBFC	er MBFB/MBF	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		VOCs	VOCs	VOCs	pCBSA	pCBSA	TBA	VOCs	VOCs	VOCs	VOCs	TBA	VOCs	SVOCs	SVOCs	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs
Analyte		t-1,2-Dichloroethene	Methylene Chloride	Trichloroethene	pCBSA	pCBSA	Tert-Butyl Alcohol (TBA)	Chlorobenzene	Tetrachloroethene	Toluene	Trichloroethene	Tert-Butyl Alcohol (TBA)	Toluene	2-Chlorophenol	2,4-Dichlorophenol	2,4,5-Trichlorophenol	Benzene	Chlorobenzene	Chloroform	1,2-Dichlorobenzene	1,3-Dichlorobenzene
Method		8240/60	8240/60	8240/60	300.0T	ICT	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8270	8270	8270	8240/60	8240/60	8240/60	8270	8270
Units		µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	<5.0U|	<5.0U|	<5.0U|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<5.0	<5.0	<5.0	--	6.3	--	--	--	--	--	--	2.1	37	8.7	7.1	7,200	64,000	17,000	75	5.7
1994	Mar	--	--	--	--	--	--	<1.0	<1.0	1.2	2.4	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	<1.0	<1.0	<1.0	1.4	--	<1.0	--	--	--	--	--	--	--	--
1994	May	<5.0	5.2	<5.0	5.2	--	--	--	--	--	--	--	--	50	9.3	12	8,000	85,000	19,000	87	7.8
1994	Jul	<10	<34Ub|	<10	4.8	--	--	<1.0	<1.0	<1.0	<1.0	--	<1.0	60	<10	<20	7,000Jh|	80,000Jh|	16,000Jh|	100	<10
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<10	<10	<10	5.0	--	--	<1.0	<1.0	<1.0	1.0	--	<1.0	50	6.7	<6.0	8,400	86,000	16,000	66	5.4
1995	Mar	<5.0	<5.0	<5.0	4.6	--	--	<1.0	<1.0	<1.0	<1.0	--	<1.0	54	6.9	8.6	8,800	86,000	21,000	69	5.3
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<2.0	<2.0	<2.0	4.7	--	--	<1.0	1.8	<1.0	<1.0	--	<1.0	36	<30	<30	5,900	82,000	11,000	86	<30
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<5.0	<5.0	<5.0	4.7	--	--	<1.0	1.0	<1.0	<1.0	--	<1.0	--	--	--	--	--	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	<5.0	<5.0	<5.0	3.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	--	--	--	--	--	<1.0	3.7	<1.0	<1.0	--	<1.0	35	7.1	<5.0	6,900	74,000	15,000	80	6.0
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	<1.0	2.5	<1.0	1.1	--	--	--	--	--	--	--	--	--	--
1997	Feb	<2.0	<2.0	<2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	<1.0	0.99Jt|J	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<2.5	<25	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<25	<25	<25	--	--	--	<1.0	2.3	<1.0	1.1	--	--	--	--	--	--	--	--	--	--
2000	Jul	<5.0	<5.0	<5.0	--	--	--	<1.0	0.72|J	<1.0	1.6	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	<10	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	<10	<1.0	0.39|J	<1.0	0.77|J	<10	0.91|J	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	0.55|J	<10	20	--	--	<10	0.38|J	0.39|J	<1.0	1.0	<10	<1.0	--	--	--	--	--	--	--	--
2016	Sep	0.77|J	<10	9.3	--	--	<10	<1.0	0.61|J	<1.0	1.1	<10	<1.0	--	--	--	--	--	--	--	--
2017	Sep	0.43|J	<10	5.8	--	--	<10	<1.0	<1.0	<1.0	0.48|J	<10	<1.0	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-01	XMW-01	XMW-01	XMW-01	XMW-01	XMW-01HD	XMW-01HD	XMW-01HD	XMW-01HD	XMW-01HD	XMW-01HD	XMW-01HD	XMW-02HD	XMW-02HD	XMW-02HD	XMW-02HD	XMW-02HD	XMW-02HD	XMW-02HD	XMW-02HD
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	pCBSA	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	SVOCs	SVOCs	TBA	VOCs	VOCs	VOCs	VOCs
Analyte		1,4-Dichlorobenzene	Naphthalene	Tetrachloroethene	1,2,4-Trichlorobenzene	pCBSA	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	2-Butanone	Ethylbenzene	Methyl Tert-butyl ether (MTBE)	o-Xylene	2-Methylnaphthalene	Phenanthrene	Phenol	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	Cyclohexane	Ethylbenzene
Method		8270	8270	8240/60	8270	300.0T	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8270	8270	8270	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	<50,000U|	860,000	<30,000U|	<5,000U|	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	<5.0U|	<5.0U|	39	--	<1,000U|	3,600	--	<100U|
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	140	5.9	3,900	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	<5.0	<5.0	6.2	--	<100	1,600	<100	<10
1994	May	160	5.6	4,100	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	210	41	3,900Jh|	200	--	--	--	--	--	--	--	--	6.5	<5.0	--	--	<500UJh|	480Jh|	<500UJh|	<50UJh|
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	120	39	4,300	120	--	--	--	--	--	--	--	--	6.0	<5.0	<5.0	--	<50	240	<50	<5.0
1995	Mar	150	<5.0	4,100	100Jk|	180	--	--	--	--	--	--	--	<5.0	<5.0	<5.0	--	140	50	18	<1.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	170	<30	4,100	170	100	--	--	--	--	--	--	--	<5.0	<5.0	<5.0	--	<25Ub|	120	13	<1.0
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	--	--	--	--	--	--	--	--	<30	<30	<30	--	<10	28Js|	<10	<1.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	140	25	3,600	110	160	--	--	--	--	--	--	--	<10	<10	<10	--	<200	640	<200	<20
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<58Ub|	290	<30	7.4
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<100	14Js|	<100	1.5Jt|
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<280Ub|	3,100	<250	<120
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<250	970	--	5.1|J
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	18|J	62	3.0|J	0.44|J	6.9	0.38|J	--	--	--	--	<200	<5.0	<100	<10
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	<100	100	<50	<5.0	7.6	<5.0	--	--	--	--	<200	<5.0	<100	<10
2016	Sep	--	--	--	--	--	16,000	<100	29	<50	<5.0	6.8	<5.0	--	--	--	1,700	<400	<10	<200	<20
2017	Sep	--	--	--	--	--	4,600	<100	190	<50	<5.0	5.4	<5.0	--	--	--	1,500	<20	<0.50	<10	0.19|J

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-02HD	XMW-02HD	XMW-02HD	XMW-02HD	XMW-02HD	XMW-02HD	XMW-02HD	XMW-02HD	XMW-02HD	XMW-03	XMW-03	XMW-03	XMW-03	XMW-03	XMW-03	XMW-03	XMW-03HD	XMW-03HD	XMW-03HD
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	SVOCs	SVOCs
Analyte		Methyl Tert-butyl ether (MTBE)	Methylene Chloride	Naphthalene	Naphthalene	Styrene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene	Xylenes (Total)	Acetone	Benzene	Chloroform	1,1-Dichloroethene	Tetrachloroethene	Trichloroethene	pCBSA	N-Nitrosodimethylamine	N-Nitrosodimethylamine	Phenol
Method		8240/60	8240/60	8240/60	8270	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8020T	8240/60	8240/60	8240/60	8240/60	300.0T	1625M	8270	8270
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<6.0U|	44
1993	Jul	--	<100U|	--	7.2	<100U|	<100U|	<100U|	--	<100U|	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	<10	12	8.0	<10	18	<10	<10	13	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	<50UJh|	<50UJh|	<5.0	<50UJh|	<50UJh|	<50UJh|	<50UJh|	<50UJh|	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	--	--
1995	Mar	--	<1.0	2.6	<5.0	<1.0	7.9	<1.0	2.7	<1.0	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	<1.0	3.0	<5.0	<1.0	12	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<1.0	<1.0	<30	<1.0	5.8Js|	<1.0	<1.0	<1.0	<25Ub|	2.9	9.4	<0.50	22	17	<0.10	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	26	3.8	2.1	1.7	31	19	<0.10	--	--	--
1996	Feb	--	<20	<20	<10	<20	28	<20	<20	<20	--	--	--	--	--	--	--	--	--	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	12	3.0	--	<3.0	11	<3.0	<3.0	21	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<50	2.2Jt|	--	4.0Jt|	4.9Jt|	<10	<10	20Js|	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<120	<120	--	<120	<120	<120	<120	38Jt|J	--	--	--	--	--	--	--	--	--	--
2000	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0011|J	--	--
2000	Aug	--	<25	<25	--	<25	16|J	<25	<25	55	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<10	<100	<100	--	<10	<10	<10	<10	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	21	<100	<100	--	<10	<10	8.8|J	<10	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	<20	<200	<200	--	<20	<20	<20	<20	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	1.4	<10	<10	--	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Tert-Butyl Alcohol (TBA)	Acetone	Benzene	Bromodichloromethane	Bromodichloromethane	2-Butanone	Chlorobenzene	Chlorobenzene	Chlorodibromomethane	Chlorodibromomethane	Chloroform	Chloroform	1,1-Dichloroethene	1,1-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methyl Tert-butyl ether (MTBE)	4-Methyl-2-Pentanone
Method		8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	<10U|	2,200	--	<0.50U|	<5.0U|	--	<1.0U|	--	<1.0U|	--	<0.50U|	--	<0.50U|	<1.0U|	--	--	<3.0U|
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	<100UJl|	1,100	<10	<5.0	<50	<10	<10	<10	<10	<10	<5.0	<10	<5.0	<10	<10	--	<30
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	--	<200	1,000	<0.50	<10	<100	<0.50	<20	<0.50	<20	1.9	<10	0.77	<10	<20	<20	--	1,100
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	<50	500	<5.0	<3.0	<30	<5.0	<5.0	<5.0	<5.0	<5.0	<3.0	<5.0	<3.0	<5.0	<5.0	--	<20
1995	Mar	--	<20	170	<0.50	<1.0	<10	<0.50	<2.0	<0.50	<2.0	<0.50	<1.0	<0.50	<1.0	<2.0	<2.0	--	<6.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	<50	440	<0.50	<3.0	<30	<0.50	<5.0	<0.50	<5.0	<0.50	<3.0	<0.50	<3.0	<5.0	<5.0	--	<20
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	<50	210	<0.50	<3.0	<30	<0.50	<5.0	<0.50	<5.0	<0.50	<3.0	<0.50	<3.0	<5.0	<5.0	--	<20
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<15Ub|	41	<0.50	<0.50	5.3	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	--	<3.0
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<300	2,100	--	<20	<200	--	<30	--	<30	--	<20	--	<20	<30	<30	--	<80
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<50	58	--	16	<50	--	<5.0	--	<5.0	--	<5.0	--	<5.0	2.4Jt|	<5.0	--	<50
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<3.2Ub|	13	--	<1.0	<2.0	--	0.15Jt|J	--	<1.0	--	<1.0Ub|	--	<1.0	0.72Jt|J	0.15Jt|J	--	<2.0
2000	Jul	--	<10	3.8	--	27	<5.0	--	<1.0	--	<1.0	--	4.1	--	<1.0	1.6	<1.0	--	<5.0
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	28Jc|J	2.2|J	--	<5.0	<50	--	<5.0	--	<5.0	--	2.9|J	--	<5.0	1.4|J	<5.0	<5.0	<50
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	85|J	3.3Jm|	--	<2.0	<20	--	<2.0	--	<2.0	--	2.4	--	<2.0	1.9|J	<2.0	2.7	<20
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<20	<0.50	--	<1.0	<10	--	<1.0	--	<1.0	--	<1.0	--	<1.0	0.22|J	<1.0	3.1	<10
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<400	<10	--	<20	<200	--	<20	--	<20	--	<20	--	<20	<20	<20	<20	<200
2016	Sep	18,000	<100	<2.5	--	<5.0	32|J	--	<5.0	--	<5.0	--	<5.0	--	<5.0	<5.0	<5.0	4.5|J	<50
2017	Sep	3,100	16|J	<0.50	--	<1.0	<10	--	<1.0	--	<1.0	--	<1.0	--	<1.0	0.56|J	<1.0	4.1	<10

Note:
WT=Water Tab
Mer = Merged

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Montrose and Del Amo Superfund Sites

Location		XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-03HD	XMW-04HD	XMW-04HD	XMW-04HD	XMW-04HD	XMW-04HD	XMW-04HD
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	TBA
Analyte		Methylene Chloride	Methylene Chloride	Naphthalene	Styrene	1,1,2,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	m,p-Xylene	o-Xylene	Xylenes (Total)	4-Chloroaniline	Di-n-Butyl Phthalate	Isophorone	2-Methylnaphthalene	Phenol	Tert-Butyl Alcohol (TBA)
Method		8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8270	8270	8270	8270	8270	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	<1.0U|	--	<1.0U|	--	<0.50U|	--	<1.0U|	76	--	--	--	<1.0U|	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	<10	<10	<10	<10	<10	<5.0	<10	<10	<10	<10	--	--	<10	<5.0	<5.0	17	5.3	19	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<0.50	<20	<20	<20	<0.50	<10	<0.50	<20	<20	<20	--	--	<20	<5.0	<5.0	20	<5.0	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<5.0	<5.0	<5.0	<5.0	<5.0	3.9	<5.0	<5.0	<5.0	<5.0	--	--	<5.0	6.0	<14Ub|	15	8.1	19	--
1995	Mar	0.98	<2.0	<2.0	<2.0	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	--	--	<2.0	<5.0	6.1	17	6.5	13	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	1.4	<5.0	<5.0	<5.0	<0.50	<3.0	0.59	<5.0	<5.0	<5.0	--	--	<5.0	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	<5.0	<5.0	<5.0	8.6	<5.0	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<2.0	<5.0	<5.0	<5.0	<0.50	<3.0	<0.50	<5.0	<5.0	<5.0	--	--	<5.0	<30	<30	<30	<30	<30	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<2.0	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	<30	<30	<30	<30	<30	--
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	<30	<30	<30	--	<20	--	<30	58	<30	--	--	<30	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<25	<5.0	<5.0	--	<5.0	--	<5.0	<5.0	1.1Jt|	--	--	1.6Jt|	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<1.0	0.22Jt|J	1.2	--	<1.0	--	<1.0	0.72Jt|J	0.12Jt|J	--	--	4.0	--	--	--	--	--	--
2000	Jul	--	<1.0	<1.0	<1.0	--	<1.0	--	<1.0	1.1	0.22|J	--	--	6.3	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<50Uyz|J	<50	1.9|J	--	<5.0	--	<5.0	<5.0	<5.0	--	--	7.7	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	<20	1.3|J	<2.0	--	<2.0	--	<2.0	1.9|J	0.53|J	11	0.49|J	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<10	<10	<1.0	--	<1.0	--	<1.0	<1.0	<1.0	0.36|J	<1.0	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<200	<200	<20	--	<20	--	<20	<20	<20	<20	<20	--	--	--	--	--	--	--
2016	Sep	--	<50	<50	<5.0	--	<5.0	--	<5.0	<5.0	<5.0	1.3|J	<5.0	--	--	--	--	--	--	<25,000
2017	Sep	--	<10	<10	<1.0	--	<1.0	--	<1.0	0.28|J	<1.0	0.65|J	<1.0	--	--	--	--	--	--	<20,000

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-04HD	XMW-04HD	XMW-04HD	XMW-04HD	XMW-04HD	XMW-04HD	XMW-04HD	XMW-10	XMW-10	XMW-10	XMW-10	XMW-10	XMW-10	XMW-10	XMW-10	XMW-11	XMW-11	XMW-11	XMW-11	XMW-11	XMW-11
HSU		WT	WT	WT	WT	WT	WT	WT	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Benzene	n-Butylbenzene	Chloroform	Chloroform	c-1,2-Dichloroethene	c-1,2-Dichloroethene	p-Isopropyltoluene	Benzene	Chlorobenzene	Chloroform	1,4-Dichlorobenzene	c-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	N-Nitroso-di-n-propylamine	N-Nitrosodimethylamine	Acetone	Benzene	Chlorobenzene	Chloroform
Method		8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	1625M	1625M	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1,000U|	500	7,000	140
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	850,000	--	--	<10,000U|	--	<20,000U|	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	<3.0	220	<3.0	<5.0	<5.0	<5.0	10	--	--	<100	20	1,700	<5.0
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	1,300,000	--	220	<5,000	<50	<10,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	<3.0	170	<3.0	<5.0	<5.0	<5.0	11	--	--	<200	<10	1,400	<10
1994	Jul	1,200,000Jh|	--	<3,000	<10,000UJh|	<3,000	<20,000UJh|	--	<50	130	<50	<100	<100	<100	<100	--	--	<2,000	<100	900	<100
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	830,000	--	<500	<3,000	<500	<5,000	--	<0.50	97	1.1	<1.0	<1.0	2.2	14JI|	--	--	<200	<10	1,200	<10
1995	Mar	1,200,000	--	<300	<5,000	<300	<10,000	--	0.55	87	20	<1.0	<1.0	2.4	8.3	--	--	<100	8.9	1,200	<5.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	--	--	--	--	--	--	<0.50	100	1.7	<1.0	<1.0	2.0	13	--	--	<100	<5.0	850	<5.0
1995	Jul	930,000	--	<200	<3,000	<200	<5,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	960,000	--	<50	<3,000	<50	<5,000	--	<0.50	3.7	2.5	<1.0	<1.0	1.5	9.1	--	--	77	<3.0	780	<3.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	980,000	--	<500	<3,000	<500	<5,000	--	2.6	270	1.4	<2.0	<2.0	<2.0	6.4	--	--	<100	7.2	510	<5.0
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	--	1.4	180	1.2	<1.0	<1.0	1.2	12	--	--	<50	<3.0	570Js|	<3.0
1997	Feb	900,000	--	--	<300UJs|	--	<500UJs|	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	800,000	--	--	<10,000	--	<5,000	--	1.1Jt|J	150	1.1Jt|J	0.27Jt|J	0.68Jt|J	1.2Jt|J	12	--	--	<120UJI|	23	770	<12
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	890,000	--	--	<25,000	--	<25,000	--	<2.0	49	<2.0	<2.0	<2.0	<2.0	12	--	--	<120Ub|	9.0Jt|J	920	<50
2000	Jul	670,000	--	--	<10,000	--	3,400|J	--	<1.0	26	0.65|J	<1.0	<1.0	1.1	18	<0.025	0.0011|J	<250	8.0|J	1,400	<25
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	310,000	<10,000	--	<10,000	--	<10,000	<10,000	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	430,000	<5,000	--	<5,000	--	<5,000	<5,000	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	330,000	<2,500	--	<2,500	--	<2,500	<2,500	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	350,000	<2,500	--	<2,500	--	<2,500	<2,500	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	480,000	580|J	--	<2,500	--	<2,500	570|J	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	280,000	<2,000	--	<2,000	--	<2,000	<2,000	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-11	XMW-11	XMW-11	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12	XMW-12
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		VOCs	VOCs	pCBSA	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Tetrachloroethene	Trichloroethene	pCBSA	Tert-Butyl Alcohol (TBA)	Acetone	Benzene	Chlorobenzene	Chlorobenzene	Chloroform	Chloroform	Cyclohexane	1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethane	Ethylbenzene	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene
Method		8240/60	8240/60	300.0T	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	<500U|	4,200	--	7,000	--	51	--	--	<50U|	--	<30U|	890	--	--	110	--
1993	Mar	300	<100U|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	130	<10	--	--	<500	3,300	2,400	2,900	<30	<30	<500	<30	<50	98	<30	440	<50	<50	<50	400
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	100	<20	--	--	<500	5,300	6,100	4,600	<50	<30	<500	<50	<50	220	<30	920	<50	<50	<50	690
1994	Jul	<200	<200	--	--	<2,000	4,300	4,900	4,100	15	<100	<2,000	7.6	<200	150	<100	830	<200	<200	<200	640
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	120	<20	--	--	<1,000	2,000	3,600	2,800	30	<50	390	<20	<100	130	<50	550	<100	<100	<100	410
1995	Mar	150	8.8	<0.10	--	1,100	6,500	6,600	5,300	160	210	<1,000	<30	<100	170	<50	1,300	190	120	910	290
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	97	<10	<0.10	--	<500	7,200	4,800	6,100	180	<30	<500	<20	<50	140	<30	1,800	750	<50	2,000	920
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	86	5.2	<0.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	99	<10	<0.10	--	<500	3,300	3,100	2,500	320	210	<500	<30	<50	63	84	430	190	58	1,500	310
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	78Js|	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	84	4.8Jt|J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	84	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Jul	120	7.6|J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	--	--	<100	<200	8.0	--	1,000	--	<10	<100	--	<10	--	25	<10	<100	<10	<10	<10

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-12	XMW-12	XMW-12	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		VOCs	VOCs	pCBSA	SVOCs	SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		1,3,5-Trimethylbenzene	Xylenes (Total)	pCBSA	2-Methylnaphthalene	N-Nitrosodimethylamine	N-Nitrosodimethylamine	Acetone	Benzene	tert-Butylbenzene	Chlorobenzene	Chlorobenzene	Chlorodibromomethane	Chlorodibromomethane	Chloroform	Chloroform	Cyclohexane	1,2-Dichloroethane	1,2-Dichloroethane	c-1,2-Dichloroethene
Method		8240/60	8240/60	300.0T	8270	1625M	8270	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21
Units		µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	1,000	--	110	--	79	<5,000U|	17,000	--	--	2,700	--	<500U|	--	560	--	--	<300U|	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<50	390	--	170	--	<30	<2,000	19,000	<200	2,500	2,900	31	<200	810	590	<2,000	330	<100	<30
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<50	510	--	130	--	<30	<2,000	18,000	<200	2,400	2,400	<50	<200	1,100	770	<2,000	270	<100	<50
1994	Jul	<200	500	--	120	--	<12	<2,000	14,000	<200	2,500	2,100	34	<200	500	630	<2,000	290	<100	<5.0
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<100	180JI|	--	110	--	<30	<1,000	14,000	<100	3,200	2,500	<30	<100	970	580	<1,000	340	540	<30
1995	Mar	260	820	18	85	--	<30	<1,000	20,000	<100	4,200	3,000	<20	<100	1,100	780	<1,000	390	<50	<20
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<50	2,200	32	77	--	<30	<1,000	17,000	<100	3,000	2,900	95	<100	490	540	310	330	<50	<30
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	<100	--	<100	2,700	12,000	<100	4,500	2,200	<50	<100	600	420	<1,000	240	320	<50
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<50	810	12	59	--	<30	<1,000	17,000	<100	4,100	2,900	<30	<100	980	510	<1,000	470	410	57
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	--	<1,000	14,000	110	--	6,400	--	<100	--	240	<1,000	--	<50	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	--	--	--	--	<2,500	12,000	<250	--	7,300	--	<250	--	220JtJ	<2,500	--	440	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	--	--	--	--	<1,000	10,000	<500	--	7,700	--	<500	--	<500	<1,000	--	<500	--
2000	Jul	--	--	--	--	<0.0040	--	<1,200	9,600	<120	--	7,100	--	<120	--	330	--	--	<120	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-13	XMW-14	XMW-14
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA	SVOCs	SVOCs
Analyte		c-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylene Chloride	Methylene Chloride	Naphthalene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrachloroethene	Toluene	Trichloroethene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (Total)	pCBSA	Bis(2-Ethylhexyl) Phthalate	Isophorone
Method		8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8270	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	300.0T	8270	8270
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L
1993	Feb	<500U|	2,100	--	--	610	--	590	--	--	<500U|	700	--	570	--	--	8,800	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<200	1,800	<200	41	<200	660	680	<200	67	<200	7,400	950JI|	570	1,500	1,000	5,500	--	<40	<30
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<200	1,800	<200	<50	<200	<200	610	<200	72	<200	6,400	690	740	1,600	1,100	5,100	--	<20	<10
1994	Jul	<200	1,400	<200	20	<200	520	620	<200	86	<200	4,600	610	520JI|	1,500	820	3,900	--	<20	<10
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<100	1,800	<100	<30	<100	1,200	450	210	120	<100	5,400	740	540	1,800	<100	3,100JI|	--	<7.0	5.3
1995	Mar	<100	1,700	<100	25	<100	670	400	180	94	<100	7,500	770	470	1,600	1,000	5,000	30	<7.0	<5.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<100	1,500	<100	<65Ub|	<100	610	400	160	<30	<100	7,200	480	370	1,400	770	4,700	42	15	<5.0
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<100	640	<100	<200	<100	360	510	<100	<50	<100	6,300	730	200	850	<100	2,400	47	<10	<5.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<100	880	<100	<100	<100	570	340	150	80	<100	8,500	500	230	1,400	<100	3,200	52	<10	6.2
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	<100	930	<100	--	<100	270	--	120	--	<100	2,400	--	380	1,100	270	2,200	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<120	1,200	<250	--	26Jt|J	430	--	<250	--	170|J	2,500	--	480	1,400	310	2,000	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<500	1,100	<500	--	<500	290JJt|J	--	<500	--	<500	2,100	--	480JJt|J	1,200	<500	1,800	--	--	--
2000	Jul	<120	810	40|J	--	<120	320	--	120	--	300	2,400	--	760	1,200	210	1,600	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2017	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		SVOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		2-Methylnaphthalene	Phenol	Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	Chlorobenzene	Chlorobenzene	Chloroform	Chloroform	Cyclohexane	1,2-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	c-1,2-Dichloroethene	c-1,2-Dichloroethene	t-1,2-Dichloroethene	t-1,2-Dichloroethene	Ethylbenzene
Method		8270	8270	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	41	<30	<500	7,300	--	<50	190	230	<50	<30	<500	720	<30	<50	<30	<50	<50	<50	<50	710
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	32	<10	<500	<30	--	<50	180	220	<50	<30	<500	670	610	<50	<30	<50	<50	<50	<50	570
1994	Jul	40	22	<2,000	7,400	--	<200	230	220	5.6	<100	<2,000	550	<100	<5.0	<100	<5.0	<200	<5.0	<200	700
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	27	<5.0	<1,000	6,600	--	<100	300	230	<30	<50	<1,000	730	<50	<30	<50	<30	<100	<30	<100	740
1995	Mar	19	15	<500	4,000	--	<50	220	150	<3.0	<30	<500	820	630	<3.0	<30	14	<50	<3.0	<50	440J|
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<5.0	6.4	<100	980	--	<10	120	130	<1.0	<5.0	<100	290	360	1.3	<5.0	24	17	<1.0	<10	110
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<5.0	<5.0	300	1,200	--	<10	150	97	<5.0	<5.0	<100	490	360	<5.0	<5.0	17	<10	<5.0	<10	83
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	15	<5.0	<500	7,000	--	<50	470	320	<10	<30	<500	760	630	<10	<30	<10	<50	<10	<50	430
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	<500	7,900Js|	--	<50	--	350Js|	--	<30	<500	--	900Js|	--	<30	--	<50	--	<50	780Js|
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	--	460Jt|J	3,800	--	--	--	240	--	8.5Jt|J	<500	--	620	--	<50	--	54	--	<25	430
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	--	<1,000	4,300	--	--	--	400Jt|J	--	<500	<1,000	--	490Jt|J	--	<500	--	<500	--	<500	370Jt|J
2000	Jul	--	--	<500	4,400	--	<50	--	340	--	<50	--	--	<50	--	<50	--	53	--	<50	580
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	<1,000	12,000	<50	<50	--	190	--	<50	<500	--	<25	--	<50	--	100	--	<50	1,100
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	--	<200	7,500	<10	2.5|J	--	170	--	<10	110	--	<5.0	--	<10	--	47	--	<10	840
2016	Sep	--	--	<1,000	8,200	<50	<50	--	600	--	<50	<500	--	<25	--	<50	--	81	--	<50	950
2017	Sep	--	--	<20	1,200	5.0	1.9	--	88	--	<1.0	43	--	66	--	<1.0	--	17	--	2.1	150

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14	XMW-14
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA
Analyte		Isopropylbenzene	p-Isopropyltoluene	Naphthalene	Naphthalene	n-Propylbenzene	Tetrachloroethene	Tetrachloroethene	Toluene	1,1,2-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Vinyl Chloride	m,p-Xylene	o-Xylene	Xylenes (Total)	pCBSA
Method		8240/60	8240/60	8240/60	8270	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	300.0T
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<50	--	240	220	57	<50	<50	<50	<50	<30	130JI|	82	330	210	<50	<30	--	--	530	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	<50	--	170	180	<50	<50	<50	<50	<50	<30	60	72	290	66	<50	<30	--	--	420	--
1994	Jul	<200	--	<200	270	<200	<5.0	<200	<200	<5.0	<100	100	<200	340	<200	<5.0	<100	--	--	410	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<100	--	360	130	<100	<30	<100	<100	<30	<50	110	<100	400	<100	<30	<50	--	--	270JI|	--
1995	Mar	<50	--	<120Ub|	100	<50	13	<50	<50	<3.0	<30	180	96	130	<50	<3.0	<30	--	--	180	1.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<10	--	34	27	<10	8.9	<10	6.5	1.1	<5.0	67	62	39	<10	<1.0	<5.0	--	--	74	0.096
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<10	--	39	32	<10	11	<10	<10	<5.0	<5.0	140	71	22	<10	<5.0	<5.0	--	--	23	0.40
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<50	--	180	120	53	14	<50	<58Ub|	<10	<30	120	110	300	<50	<10	<30	--	--	190	1.2
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	<50	--	190Js|	--	66Js|	--	<50	<50	--	<30	--	190Js|	310Js|	<50	--	<30	--	--	290Js|	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<50	--	4,200	--	<50	--	15Jt|J	15Jt|J	--	<50	--	140	100	20Jt|J	--	<100	--	--	81	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<500	--	<500	--	<500	--	<500	<500	--	<500	--	<500	<500	<500	--	<500	--	--	<500	--
2000	Jul	26|J	--	74	--	69	--	<50	28|J	--	<50	--	100	120	<50	--	<100	--	--	<50	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<50	<50	160|J	--	67	--	<50	37|J	--	<50	--	<50	620	150	--	<25	950	<50	--	--	--
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	19	<10	220	--	47	--	<10	40	--	<10	--	13	520	110	--	14	770	8.5|J	--	--
2016	Sep	<50	<50	<500	--	65	--	<50	26|J	--	<50	--	<50	500	43|J	--	27	630	<50	--	--
2017	Sep	8.7	1.0|J	50	--	24	--	1.1	4.3	--	<1.0	--	8.7	100	21	--	31	94	1.6	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-21	XMW-23	XMW-23	XMW-23
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT	WT	WT
Analyte Class		TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	pCBSA
Analyte		Tert-Butyl Alcohol (TBA)	Benzene	n-Butylbenzene	sec-Butylbenzene	Carbon Disulfide	Chloroethane	Chloroethane	Ethylbenzene	Isopropylbenzene	n-Propylbenzene	Toluene	Trichloroethene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Vinyl Chloride	Xylenes (Total)	Benzene	Ethylbenzene	pCBSA
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	300.0T
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	4,400Jh|	--	710	130	130	130	1,600Jh|	260	180	170	<50	<50	<50	<50	<50	<30	290Jh|	<3.8Ub|	14	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	81,000	--	<2,000	<4,000	70Jh|	<2,000	20,000	<2,000	<2,000	<2,000	<50UJh|	<2,000	<2,000	<2,000	<50UJh|	<1,000	<2,000	<0.50	<1.0	--
1994	Jul	--	5,800	--	<500	<1,000	<30UJs|	<500	10,000	<500	<500	<500	<30UJs|	<500	<500	<500	<30UJs|	<300	<500	11	<1.0	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	14,000	--	380	<400	<50	<200	12,000	<200	<200	<200	<50	<200	<200	<200	<50	<100	<200UJl|	<0.50	<1.0	--
1995	Mar	--	43,000	--	<500	<1,000	<50	<500	31,000	<500	<500	8,500	<50	<500	1,700	<500	<50	<300	7,400	<0.50	<1.0	<0.10
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	48,000	--	580	<1,000	<50	<500	39,000	<500	<500	<500	<50	<500	<500	<500	<50	<300	<500	<0.50	<1.0	<0.10
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	4,100	--	<100	<200	<0.50	<100	23,000	<100	<100	<100	<0.50	<100	<100	<100	<0.50	<50	<100	<0.50	<1.0	<0.10
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	<1.0	<0.10
1996	Feb	--	1,500	--	360	<100	<10	<50	6,500	180	<50	<50	<10	<50	<50	110	<10	<30	<50	--	--	--
1996	Jun	--	17,000	--	610	<400	--	<200	35,000	410	<200	<200	--	<200	<200	<200	--	<100	<200	--	--	--
1996	Oct	--	24,000	--	960	<500	--	<300	25,000	450	<300	<300	--	<300	<300	<300	--	<200	<300	--	--	--
1997	Jan	--	740	--	580	<200	--	<100	11,000	280	210	<100	--	<100	<100	<100	--	<50	<100	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	3,300	--	--	<2,500	--	<500	10,000	260	250Jt|J	<250	--	<250	<250	<250	--	<500	<250	--	--	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	4,300	--	--	<1,000	--	<500	16,000	180Jt|J	180Jt|J	<500	--	<500	<500	<500	--	<500	<500	--	--	--
2000	Jul	--	2,200	--	620	<250	--	<500	14,000	220|J	190|J	<250	--	<250	<250	<250	--	<500	<250	--	--	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	1,000	310	730	35|J	--	<50	12,000	230	230	<50	--	<50	<50	<50	--	<25	<50	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	160Jm|	210	490	<200	--	<20	3,300	120	110	<20	--	<2.0	<20	<20	--	5.3|J	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<10	0.66	<1.0	130	<10	--	<5.0	3.4	11	4.4	<1.0	--	<1.0	<1.0	<1.0	--	<0.50	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	0.91	<1.0	44	<10	--	<5.0	0.14|J	0.63|J	<1.0	<1.0	--	<1.0UJm|	<1.0	<1.0	--	<0.50	--	--	--	--
2015	Sep	--	0.82	<1.0	16	<10	--	<5.0	<1.0	<1.0	<1.0	<1.0	--	0.40|J	<1.0	<1.0	--	<0.50	--	--	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	0.65	33	9.0	<10	--	<5.0	0.17|J	<1.0	<1.0	<1.0	--	0.61|J	9.0	<1.0	--	<0.50	--	--	--	--
2017	Sep	--	0.86	13	4.8	<10	--	<5.0	0.16|J	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	--	<0.50	--	--	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-24	XMW-24	XMW-26	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-27	XMW-28
HSU		WT	WT	WT	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs
Analyte		Tert-Butyl Alcohol (TBA)	Chloroform	All Analytes	Acetone	Benzene	sec-Butylbenzene	Chlorobenzene	Chloroform	Cyclohexane	1,2-Dichloroethane	1,1-Dichloroethene	c-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	n-Propylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Xylenes (Total)	Phenol
Method		8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8270
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	<10U|	120	--	9.3	47	--	<0.50U|	<0.50U|	<1.0U|	14	--	--	<1.0U|	120	9.5	170	59
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	230
1994	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	48
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	94
1995	Mar	--	<0.50	AllND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	0.60	AllND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	<0.50	AllND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jun	--	<0.50	--	<10UJs|	10Js|	<1.0UJs|	<1.0UJs|	<0.50UJs|	13Js|	<0.50UJs|	<0.50UJs|	<1.0UJs|	<1.0UJs|	<1.0UJs|	<1.0UJs|	<1.0UJs|	<1.0UJs|	5.2Js|	<1.0UJs|	--
1996	Oct	--	<0.50	--	<10	17	<1.0	1.3	<0.50	<10	<0.50	<0.50	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	10	1.2	--
1997	Jan	--	<0.50	--	<10	5.6Js|	<1.0	<1.0	<0.50	<10	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.1Js|	1.3Js|	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	0.43Jt|J	--	29Jl|	5.4	--	0.95Jt|J	0.19Jt|J	<10	<1.0	0.14Jt|J	0.74	<1.0	0.17Jt|J	<1.0	0.32Jt|J	<1.0	6.5	<1.0	--
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	<1.0	--	<2.0	10	--	2.5	0.91Jt|J	8.5	0.51Jt|J	<1.0	1.2	1.3	0.76Jt|J	1.2	1.4	<1.0	13	<1.0	--
2000	Jul	--	0.36|J	--	<10	22	0.30|J	3.1	<1.0	--	<1.0	<1.0	1.4	1.3	0.79|J	0.91|J	1.3	1.4	17	0.59|J	--
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	<10UJm|	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	--	--	<20	<0.50	<1.0	<1.0	<1.0	<10	<0.50	<1.0	9.3	<1.0	<1.0	<1.0	<1.0	0.30|J	0.81|J	--	--
2015	Sep	--	--	--	<20	<0.50	<1.0	<1.0	<1.0	<10	<0.50	<1.0	3.1	<1.0	<1.0	<1.0	0.85|J	<1.0	17	--	--
2015	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2016	Sep	--	--	--	<20	0.29|J	<1.0	<1.0	<1.0	<10	<0.50	<1.0	21	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	--	--
2017	Sep	--	--	--	<20	<0.50	<1.0	<1.0	<1.0	<10	<0.50	<1.0	3.0	<1.0	<1.0	<1.0	1.6	<1.0	18	--	--

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-28	XMW-28	XMW-28	XMW-28	XMW-28	XMW-28	XMW-28	XMW-28	XMW-28	XMW-28	XMW-28	XMW-29	XMW-29	XMW-29	XMW-29	XMW-29	XMW-29	XMW-29	XMW-29	XMW-29	XMW-29
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB
Analyte Class		TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		Tert-Butyl Alcohol (TBA)	Benzene	sec-Butylbenzene	Chlorobenzene	Chlorobenzene	Chloroethane	Chloroethane	Ethylbenzene	Isopropylbenzene	Methylene Chloride	Methylene Chloride	Phenol	Benzene	Chlorobenzene	Chlorobenzene	Ethylbenzene	Methylene Chloride	Methylene Chloride	Naphthalene	Styrene	Toluene
Method		8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8010/21	8240/60	8270	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	45,000	--	--	720	--	<500U|	1,500	--	--	<500U|	56	77,000	--	<1,000U|	<1,000U|	--	<1,000U|	--	<1,000U|	<1,000U|
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	55,000	<1,000	<0.50	<1,000	16	<1,000	1,500	<1,000	2.2	<1,000	84	40,000	<0.50	<500	<500	1.1	<500	<500	<500	<500
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	74,000	<500	<50	<500	<50	<500	1,200	<500	<50	<500	130	26,000	<50	<300	<300	<50	<300	<300	<300	<300
1994	Jul	--	47,000	<100	<30UJs|	<100	<30UJs|	<100	<100	360	<30UJs|	<100	57	21,000	<30UJs|	<100	<100	<30UJs|	<100	<100	<100	<100
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	--	88,000	<500	<100	<500	<100	<500	<500	<500	<100	<500	81	55,000	<100	<500	<500	<100	<500	<500	<500	<500
1995	Mar	--	61,000	<1,000	<50	<1,000	<50	<1,000	<1,000	<1,000	<50	<1,000	44	3,700	<3.0	<50	<50	<3.0	<50	<50	<50	<50
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	--	120,000	<1,000	<50	<1,000	<50	<1,000	960	<1,000	<50	<1,000	<5.0	6,600	28	<50	<50	<10	<50	<50	<50	<50
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	--	130,000	<2,000	<0.50	<2,000	<0.50	<2,000	<2,000	<2,000	<2.0	<2,000	130Jd|	24,000	<0.50	<300	<300	6.8	<300	<500	<300	<300
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	130	96,000	<50	<500	<500	<200	<500	<500	<500	<500
1996	Feb	--	160,000	<3,000	<30	<3,000	<30	<3,000	3,100	<3,000	<100	<3,000	--	--	--	--	--	--	--	--	--	--
1996	Jun	--	150,000	<1,000	--	<1,000	--	<1,000	1,500	<1,000	--	<1,000	--	150,000	--	<1,000	<1,000	--	<1,000	<1,000	<1,000	<1,000
1996	Oct	--	170,000	<1,000	--	<1,000	--	<1,000	1,500	<1,000	--	<1,000	--	180,000	--	<1,000	<1,000	--	<1,000	<1,000	<1,000	<1,000
1997	Jan	--	140,000	<1,000	--	<1,000	--	<1,000	1,400	<1,000	--	<1,000	--	--	--	--	--	--	--	--	--	--
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	240,000	--	2,300	<2,000	--	<2,000	<2,000	<2,000	<2,000
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	72,000	--	--	<1,000	--	<2,000	1,100	340Jt|J	--	<5,000	--	5,700	<1.0	<120	<120	<5.0	<620	<120	<120	<120
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	100,000	--	--	<5,000	--	<5,000	1,400Jt|J	<5,000	--	<5,000	--	110,000	<2,000	<5,000	<5,000	<10,000	<5,000	<5,000	<5,000	<5,000
2000	Jul	--	69,000	<1,000	--	<1,000	--	<2,000	820|J	<1,000	--	<1,000	--	420,000	<10,000	<5,000	<5,000	<50,000	<5,000	<5,000	<5,000	<5,000
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	--	--	--	--	--	--	--	--	--	--	--	580,000	--	<250	59|J	--	<500UJh|	5.2Jh|	120Jh|J	550Jh|
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	<0.50	--	<0.50	--	--	--	<20	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	--	--	--	--	--	--	--	--	--	--	--	380,000	--	<1,000	<1,000	--	<2,000	<10,000	<1,000	240|J
2006	Nov	--	44,000	30|J	--	<50	--	<50	30|J	58	--	<500	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	22,000	<50	--	<50	--	<250	<50	39|J	--	<500	--	36,000	--	<250	<250	--	<2,500	<2,500	<250	<250
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	28,000	<200	--	<200	--	<1,000	<200	<200	--	<2,000	--	32,000	--	<200	<200	--	<2,000	<2,000	<200	<200
2016	Sep	<2,000	25,000	<200	--	<200	--	<1,000	<200	<200	--	<2,000	--	14,000	--	<100	<100	--	<1,000	<1,000	<100	<100
2017	Sep	<2,000	18,000	<200	--	<200	--	<1,000	<200	<200	--	<2,000	--	10,000	--	<100	<100	--	<1,000	<1,000	<100	<100

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XMW-29	XMW-29	XMW-29	XMW-29	XMW-30	XMW-30	XMW-30	XMW-30	XMW-30	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02
HSU		WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT/MBFB	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	pCBSA	TBA	VOCs	VOCs	VOCs	pCBSA	SVOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (Total)	pCBSA	Tert-Butyl Alcohol (TBA)	Benzene	2-Butanone	Ethylbenzene	pCBSA	Di-n-Butyl Phthalate	Benzene	n-Butylbenzene	sec-Butylbenzene	Chlorobenzene	Chlorobenzene	1,2-Dichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,3-Dichlorobenzene
Method		8240/60	8240/60	8240/60	300.0T	8240/60	8240/60	8240/60	8240/60	300.0T	8270	8240/60	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8010/21	8240/60
Units		µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	<1,000U|	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	<5.0U|	1.6	--	--	--	<1.0U|	--	<1.0U|	--	<1.0U|
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	<500	<500	<500	--	--	17	<5.0	14	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	--	--	--	--	--	--	--	--	--	<5.0	37	--	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0
1994	May	<300	<300	<300	--	--	<0.50	<5.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<100	<100	<100	--	--	2.2	<5.0	<1.0	--	<5.0	0.78	--	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<500	<500	<500	--	--	<0.50	6.3JI|	<1.0	--	<10Ub|	0.80	--	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0
1995	Mar	<50	<50	<50	<0.10	--	<0.50	<5.0	<1.0	<0.10	<5.0	0.60	--	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<50	<50	<50	<0.10	--	<0.50	<5.0	<1.0	<0.10	<5.0	<0.50	--	<1.0	1.8	<1.0	<0.50	<1.0	<0.62Ub|	<1.0
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<300	<300	<300	<0.10	--	<0.50	<5.0	<1.0	<0.10	<5.0	0.92	--	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	<500	<500	<500	<0.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	--	--	--	--	--	3.9	<5.0	<1.0	<0.10	<5.0	9.1	--	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0
1996	Jun	<1,000	<1,000	<1,000	--	--	<0.50UJs|	<5.0UJs|	<1.0UJs|	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	<1,000	<1,000	<1,000	--	--	<0.50	<5.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	--	--	--	--	<0.50	<5.0	<1.0	--	--	<0.50	--	<1.0	--	<1.0	--	<1.0	--	<1.0
1997	Feb	<2,000	<2,000	<2,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<120	<120	<120	--	--	0.50Jt|J	<10	<1.0	--	--	0.41Jt|J	--	--	--	<1.0	--	<1.0	--	0.50Jt|J
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<5,000	<5,000	<10,000	--	--	3.8	<2.0	<1.0	--	--	<2.0	--	--	--	<2.0	--	<2.0	--	<2.0
2000	Jul	<5,000	<5,000	<5,000	--	--	--	--	--	--	--	<1.0	--	<1.0	--	<1.0	--	<1.0	--	<1.0
2000	Aug	--	--	--	--	--	<1.0	<5.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	25Jh|	6.4Jh|	150Jh|J	--	--	--	--	--	--	--	<0.50	<1.0	<1.0	--	<1.0	--	<1.0	--	<1.0
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	<1,000	<1,000	--	--	--	--	--	--	--	--	7.6	<1.0	<1.0	--	<1.0UJm|	--	0.15Jm|J	--	0.28|J
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	<10	<0.50	<10	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<250	<250	--	--	--	--	--	--	--	--	<0.50Ux|J	<1.0	<1.0	--	<1.0	--	<1.0	--	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	<200	<200	--	--	--	--	--	--	--	--	0.46|J	0.49|J	2.8	--	<1.0	--	<1.0	--	<1.0
2016	Sep	<100	<100	--	--	--	--	--	--	--	--	<0.50	0.26|J	1.4	--	<1.0	--	<1.0	--	<1.0
2017	Sep	<100	<100	--	--	<10	<0.50	<10	<1.0	--	--	<0.50	<1.0	1.1	--	<1.0	--	<1.0	--	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02	XP-02
HSU		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT
Analyte Class		VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		1,4-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloroethene	Isopropylbenzene	Methyl Tert-butyl ether (MTBE)	Naphthalene	Styrene	Tetrachloroethene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	1,1,1-Trichloroethane	Trichloroethene	Trichloroethene	1,2,4-Trimethylbenzene
Method		8010/21	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60	8240/60	8240/60	8240/60	8010/21	8240/60	8240/60	8010/21	8240/60	8010/21	8240/60	8240/60
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	<1.0U|	--	<1.0U|	--	<0.50U|	--	--	--	<1.0U|	--	16	<1.0U|	--	1.0	--	<1.0U|	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	<0.50	<1.0	0.50	<1.0	<0.50	0.99	<1.0	--	<1.0	<1.0	21	20	<1.0	0.80	<1.0	<0.50	<1.0	<1.0
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<0.50	<1.0	<0.50	<1.0	0.60	1.1	<1.0	--	<1.0	<1.0	27	19	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<0.50	<1.0	<0.50	<1.0	<0.50	<0.50	<1.0	--	<1.0	<1.0	20	16	0.70	<0.50	<1.0	<0.50	<1.0	<1.0
1995	Mar	<0.50	<1.0	0.93	1.2	1.5	2.2	<1.0	--	<1.0	<1.0	81	68	<1.0	1.4	<1.0	0.82	<1.0	<1.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<0.50	<1.0	1.5	<1.0	2.6	2.0	<1.0	--	<1.0	<1.0	77	75	<1.0	0.63	<1.0	1.3	<1.0	<1.0
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<0.50	<1.0	0.58	1.3	1.5	2.6	<1.0	--	1.4	<1.0	85	84	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<0.50	<1.0	0.59	1.3	2.6	3.1	<1.0	--	<1.0	<1.0	120	80	<1.0	<0.50	<1.0	0.55	1.0	<1.0
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	--	<1.0	--	<1.0	--	2.4	<1.0	--	<1.0	<1.0	--	69	<1.0	--	<1.0	--	<1.0	<1.0
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	--	<1.0	--	0.99Jt|J	--	3.2	0.27Jt|J	--	<1.0	<1.0	--	64	<1.0	--	<1.0	--	1.2	<1.0
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	--	0.29Jt|J	--	<2.0	--	2.7	<2.0	--	<2.0	<2.0	--	37	<2.0	--	<2.0	--	1.1Jt|J	<2.0
2000	Jul	--	<1.0	--	0.37|J	--	2.3	<1.0	--	<1.0	<1.0	--	32	<1.0	--	<1.0	--	1.6	<1.0
2000	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	--	<1.0	--	<1.0	--	1.7	<1.0	<1.0	<10	<1.0	--	17	<1.0	--	<1.0	--	1.4	<1.0
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	--	<1.0	--	0.30|J	--	2.3	<1.0	0.54|J	<10	<1.0	--	21	<1.0	--	<1.0	--	2.2	<1.0
2006	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	--	<1.0	--	<1.0	--	<1.0	<1.0	<1.0	<10	<1.0	--	<1.0	<1.0	--	<1.0	--	<1.0	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	--	<1.0	--	<1.0	--	1.7	2.7	<1.0	6.3|J	1.2	--	1.8	0.54|J	--	<1.0	--	1.7	0.65|J
2016	Sep	--	<1.0	--	0.29|J	--	1.8	0.96|J	<1.0	<10	<1.0	--	2.3	<1.0	--	<1.0	--	2.3	<1.0
2017	Sep	--	<1.0	--	<1.0	--	1.2	<1.0	<1.0	<10	<1.0	--	1.4	<1.0	--	<1.0	--	1.5	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix G
Historical Analytical Data Summary
Montrose and Del Amo Superfund Sites

Location		XP-02	XP-02	XP-02	XP-02	XP-03	XP-03	XP-03	XP-03	XP-03	XP-03	XP-03	XP-03	XP-03
HSU		WT	WT	WT	WT	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	Mer MBFB/MBFC	c
Analyte Class		VOCs	VOCs	VOCs	pCBSA	TBA	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs	VOCs
Analyte		1,3,5-Trimethylbenzene	m,p-Xylene	o-Xylene	pCBSA	Tert-Butyl Alcohol (TBA)	Benzene	Bromomethane	sec-Butylbenzene	Chloroform	Dichlordifluoromethane	Ethylbenzene	Tetrachloroethene	Toluene
Method		8240/60	8240/60	8240/60	300.0T	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60	8240/60
Units		µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1993	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	May	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--
1993	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Apr	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
1994	May	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Jul	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
1994	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--
1994	Oct	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
1995	Mar	<1.0	--	--	<0.10	--	93	<1.0	<1.0	<0.50	<5.0	4.8	<1.0	<1.0
1995	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Jun	<1.0	--	--	<0.10	--	<0.50	<1.0	<1.0	<0.50UJ|J	1.6	<1.0	<1.0	<1.0
1995	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Oct	<1.0	--	--	<0.10	--	<0.50	<1.0	<1.0	<0.50	<5.0	<1.0	<1.0	<1.0
1995	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--
1995	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Feb	<1.0	--	--	<0.10	--	<0.50	<1.0	<1.0	<0.50	<5.0	<1.0	<1.0	<1.0
1996	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--
1996	Oct	--	--	--	--	--	--	--	--	--	--	--	--	--
1997	Jan	<1.0	--	--	--	--	<0.50	<1.0	<1.0	<0.50	<5.0	<1.0	<1.0	<1.0
1997	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--
1998	Mar	<1.0	--	--	--	--	<1.0	0.32Jt|J	--	0.41Jt|J	<2.0	<1.0	0.39Jt|J	0.20Jt|J
1998	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--
1999	Feb	<2.0	--	--	--	--	<1.0	<1.0	--	0.38Jt|J	2.0	<1.0	<1.0	<1.0
2000	Jul	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
2000	Aug	--	--	--	--	--	<1.0	<2.0	<1.0	0.25|J	0.84|J	<1.0	<1.0	<1.0
2000	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Jan	<1.0	--	--	--	--	<0.50	<10	0.12|J	<1.0	<1.0	<1.0	<1.0	<1.0
2004	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--
2004	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--
2005	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Jul	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Aug	--	--	--	--	--	--	--	--	--	--	--	--	--
2006	Oct	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--
2006	Nov	--	--	--	--	--	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2008	Feb	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Jun	--	--	--	--	--	--	--	--	--	--	--	--	--
2008	Nov	--	--	--	--	--	--	--	--	--	--	--	--	--
2009	Dec	--	--	--	--	--	--	--	--	--	--	--	--	--
2010	Jan	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Feb	--	--	--	--	<10	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2012	Mar	--	--	--	--	--	--	--	--	--	--	--	--	--
2012	Apr	--	--	--	--	--	--	--	--	--	--	--	--	--
2014	Sep	<1.0	<1.0	<1.0	--	--	<0.50	<10	<1.0	<1.0	0.94|J	<1.0	<1.0	<1.0
2015	Sep	--	--	--	--	--	--	--	--	--	--	--	--	--
2015	Oct	0.64|J	1.1	0.85|J	--	--	<0.50	<10	<1.0	<1.0	1.3	<1.0	<1.0	<1.0
2016	Sep	<1.0	<1.0	<1.0	--	<10	<0.50	<10	<1.0	<1.0	0.91|J	<1.0	<1.0	<1.0
2017	Sep	<1.0	<1.0	<1.0	--	<10	<0.50	<10	<1.0	<1.0	1.4	<1.0	<1.0	<1.0

Note:
WT=Water Tab
Mer = Merged

Appendix H

Benzene Biodegradation Analysis

Appendix H

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Table H-1
Data Table for Biodegradation Indicator Figures

Dual Site Groundwater Operable Unit | Los Angeles, California

2017 Baseline MACR

Transect	Well Position	Well	TotaL Alkalinity as CaCO3 (mg/l)	Ferrous Iron (mg/l)	Methane (mg/l)	Carbon Dioxide (mg/l)	Nitrate as N (mg/l)	Sulfate (mg/l)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (mV)
WT-1	Outside of Plume (North)	SWL0038	250	ND (<0.100)	0.239 J	25.2	2.5	93 J+m	0.61	-84.9
	Outside of Plume (Northwest)	PZL0016	534	ND (<0.100)	0.122 J	0.425	10 Jh	170	3.17	-155.1
	Mid-Plume	SWL0004	850	6.03	14.2	149 Jh	ND (<0.10)	4.5 J+m	0.48	-127.9
	Edge of Plume (Southwest)	MW-27	436	ND (<0.100)	9.75	43.7 Jh	1.1	120	0.7	21.3
	Edge of Plume (Southeast)	MW-21	650	8.75	1.34	129	ND (<0.10)	110	0.37	-114.9
WT-2	Mid-Plume	MW-28	996	37.5	54.1	449	ND (<0.10)	3.3 J+m	0.8	-89.1
	Outside of Plume (West)	MW-12	599	2.79	8.42	79.3	ND (<0.10)	82 J+m	0.95	126.8
	Edge of Plume	SWL0008	644	7.60	2360	0.588	ND (<0.10)	13 J+m	0.62	-129
	Outside of Plume (Southwest)	MW-30	481	ND (<0.100)	0.0990 J	81.9	22 Jh	110	1.88	-34.3
	Outside of Plume (South)	SWL0006	390	ND (<0.100)	18.1	ND (<0.0017)	ND (<0.10)	210	0.74	-21.6
WT-3	Outside of Plume (North)	PZL0012	558	7.99	42.3	146 Jh	ND (<0.10)	170 J+m	0.07	-80
	Mid-Plume	PZL0013	706	5.21	1650	167	ND (<0.10)	170	0.54	-130
	Mid-Plume	MW-04HD	903	7.68	1720	356 Jh	ND (<0.10)	170 J+m	0.25	-116.5
	Outside of Plume (West)	SWL0005	733	0.685	15.3	182 Jh	ND (<0.10)	380	1.72	-42.8
	Outside of Plume (South)	SWL0021	817	4.39	142	1.1	ND (<0.10)	180	0.45	-10
	Outside of Plume (Southwest)	SWL0057	446	ND (<0.100)	0.0610 J	ND (<0.0017)	21	390	0.93	87.3
WT-4	Outside of Plume (Northwest)	SWL0046	484	ND (<0.100)	0.162 J	81.1	9.6	270 J+m	1.48	84
	Mid-Plume	SWL0068	687	4.05	62.4	146 Jh	ND (<0.10)	110 J+m	5.33	-127
	Edge of Plume (South)	PZL0026	658	2.16	11.2	133 Jh	ND (<0.10)	290 J+m	0.94	-46.1
	Outside of Plume (South)	SWL0024	642	0.366	51.8	1.22	ND (<0.10)	230 J+m	1.82	7
	Edge of Plume (South)	PZL0012	558	7.99	42.3	146 Jh	ND (<0.10)	170 J+m	0.07	-80
MBFB / merged MBFB/C	Outside of Plume (North)	SWL0047	332	0.684	599	16.3	ND (<0.50) UJm	59	1.60	-177.9
	Outside of Plume (Northwest)	MW-27	436	ND (<0.100)	9.75	43.7 Jh	1.1	120	0.7	21.3
	Outside of Plume (Northeast)	SWL0037	223	ND (<0.100)	21.0	0.758 Jh	ND (<0.10)	80	2.09	-181.4
	Mid-Plume	MW-28	996	37.5	54.1	449	ND (<0.10)	3.3 J+m	0.8	-89.1
	Mid-Plume	SWL0048	725	3.70	194	126	ND (<0.10)	ND (<1.0)	0.86	-162
	Outside of Plume (West)	MW-12	599	2.79	8.42	79.3	ND (<0.10)	82 J+m	0.95	126.8
	Outside of Plume	XP-02	514	ND (<0.100)	2.21	3.78	ND (<0.10)	37 J+m	1.27	-2.0
	Mid-Plume	SWL0050	558	0.136	33.7	52	ND (<0.10)	130 J+m	0.39	-302.9
	Outside of Plume (Southeast)	G-01WC	291	0.900	9.89	7.85	ND (<0.10) UJm	200	0.33	-109.8
	Outside of Plume (Southwest)	MW-30	481	ND (<0.100)	0.0990 J	81.9	22 Jh	110	1.88	-34.3

Note:

The Dissolved Oxygen and Oxidation Reduction Potential values are the last (stabilised) measurement from the groundwater sampling data sheets.

TABLE H-2
CENSUS DATA SUMMARY

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

Transect	Well Position	Well	Benzene Concentration (ug/L)	Sample Date	Aerobic Biodegradation Gene Groups			Anaerobic Biodegradation Gene Groups
					PHE	RDEG	RMO	abcA
					Cells/mL	Cells/mL	Cells/mL	Cells/mL
WT-1	Outside of Plume (North)	SWL0038	ND<0.50	9/14/16	2.41E+02	2.30E+02	1.40E+00 J	ND<5.00E+00
	Outside of Plume (Northwest)	PZL0016	0.22 J	9/13/17	1.18E+02	4.22E+03	8.98E+01	5.00E+00
	Mid-Plume	SWL0004	72,000	9/19/16	1.19E+03	3.19E+01	2.03E+03	8.10E+01
	Edge of Plume (Southwest)	MW-27	ND<0.50	9/7/17	3.67E+01	4.54E+01	5.00E+00	5.00E+00
	Edge of Plume (Southeast)	MW-21	0.86	9/15/16	3.17E+01	1.30E+02	1.35E+01	1.40E+01
WT-2	Mid-Plume	MW-28	18,000	9/19/16	1.25E+03	2.18E+01	4.20E+00 J	1.30E+01
	Outside of Plume (West)	MW-12	8.0	9/12/17	3.54E+01	1.73E+02	5.00E+00	5.00E+00
	Edge of Plume	SWL0008	56	9/14/16	4.62E+02	1.06E+03	1.05E+02	1.03E+02
	Outside of Plume (Southwest)	MW-30	ND<0.50	9/13/17	ND<5.00E+00	ND<5.00E+00	ND<5.00E+00	ND<5.00E+00
	Outside of Plume (South)	SWL0006	ND<0.50	9/12/16	1.71E+02	8.29E+02	2.01E+01	ND<5.00E+00
WT-3	Outside of Plume (North)	PZL0012	1.7	9/14/16	1.88E+02	9.16E+02	2.02E+02	ND<5.00E+00
	Mid-Plume	PZL0013	210,000	9/16/16	1.52E+04	5.55E+03	1.01E+04	ND<4.00E+01
	Mid-Plume	MW-04HD	280,000	9/19/16	1.65E+04	9.71E+03	3.89E+03	1.37E+01
	Outside of Plume (West)	SWL0005	ND<0.50	9/7/17	7.14E+01	2.11E+02	5.00E+00	5.00E+00
	Outside of Plume (South)	SWL0021	0.47 J	9/15/16	2.16E+01	3.10E+01	1.60E+00 J	ND< 5.00E+00
	Outside of Plume (Southwest)	SWL0057	ND<0.50	9/7/17	9.35E+02	1.86E+03	3.00E-01 J	5.00E+00
WT-4	Outside of Plume (Northwest)	SWL0046	ND<0.50	9/14/16	6.39E+01	2.09E+01	ND<5.00E+00	ND<5.00E+00
	Mid-Plume	SWL0068	160,000	9/19/16	4.76E+03	1.80E+03	3.84E+02	ND<5.00E+00
	Edge of Plume (South)	PZL0026	32	9/15/16	4.58E+02	6.91E+02	5.61E+02	3.27E+03
	Outside of Plume (South)	SWL0024	ND<0.50	9/13/16	1.06E+02	3.01E+01	3.62E+02	ND<4.70E+00
	Edge of Plume (South)	PZL0012	1.7	9/14/16	1.88E+02	9.16E+02	2.02E+02	ND<5.00E+00
Merged MBFB/C	Outside of Plume (North)	SWL0047	0.26 J	9/14/16	8.22E+02	1.13E+03	1.69E+02	ND<1.19E+01
	Outside of Plume (Northwest)	MW-27	ND<0.50	9/7/17	3.67E+01	4.54E+01	5.00E+00	5.00E+00
	Outside of Plume (Northeast)	SWL0037	ND<0.50	9/12/16	1.91E+02	4.31E+02	9.70E+00	ND<5.00E+00
	Mid-Plume	MW-28	18,000	9/19/16	1.25E+03	2.18E+01	4.20E+00 J	1.30E+01
	Mid-Plume	SWL0048	170,000	9/16/16	1.44E+02	1.76E+02	5.17E+02	ND<5.00E+00
	Outside of Plume (West)	MW-12	8.0	9/12/17	3.54E+01	1.73E+02	5.00E+00	5.00E+00
	Outside of Plume	XP-02	ND<0.50	9/16/16	1.40E+03	2.03E+03	ND<5.00E+00	ND<5.00E+00
	Mid-Plume	SWL0050	57,000	9/15/16	1.29E+02	1.73E+01	4.09E+01	1.30E+01
	Outside of Plume (Southeast)	G-01WC	ND<0.50	9/13/16	1.20E+02	1.63E+01	ND<5.00E+00	ND<5.00E+00
	Outside of Plume (Southwest)	MW-30	ND<0.50	9/13/17	ND<5.00E+00	ND<5.00E+00	ND<5.00E+00	ND<5.00E+00

Notes:
mL - milliliter
J - Estimated gene copies below practical quantitation limit (PQL) but above lower quantitation limit (LQL).
"<" - Result not detected above LQL

Table H-3
Input Parameters Used for Concentration versus Distance Bulk Attenuation Rates
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

Water Table (WT)-1			
WellName	**Direct Distance (ft)**	**Regression Data**	**LN(Regr Data)**
PZL0016	567	0.22 (J)	-1.51
SWL0004	0	72,000	11.18
MW-21	550	0.86	-0.15
MW-27	478	0.5 (ND)	-0.69
WT-2			
WellName	**Direct Distance (ft)**	**Regression Data**	**LN(Regr Data)**
MW-28	0	18,000	9.80
MW-12	659	8	2.08
MW-30	1,401	0.5 (ND)	-0.69
SWL0008	1,195	56	4.03
SWL0006	1,643	0.5 (ND)	-0.69
WT-3			
WellName	**Direct Distance (ft)**	**Regression Data**	**LN(Regr Data)**
PZL0013	0	210,000	12.25
MW-04HD	191	280,000	12.54
SWL0005	818	0.5 (ND)	-0.69
SWL0021	692	0.47 (J)	-0.76
SWL0057	1,636	0.5 (ND)	-0.69
WT-4			
WellName	**Direct Distance (ft)**	**Regression Data**	**LN(Regr Data)**
SWL0068	0	160,000	11.98
PZL0026	565	32	3.47
SWL0024	924	0.5 (ND)	-0.69
PZL0012	726	1.7	0.53
MBFB-1			
WellName	**Direct Distance (ft)**	**Regression Data**	**LN(Regr Data)**
SWL0048	0	170,000	12.04
XP-02	366	0.65 (ND)	-0.43
SWL0050	713	57,000	10.95
G-01WC	1,128	0.5 (ND)	-0.69
MW-30	1,393	0.5 (ND)	-0.69

Notes:
(ND) - Indicates reported detection limit used for input value.

Table H-4: BioScreen Input Parameters and Results Summary
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

#	Assumption	units	WT1	WT2	WT3	WT4	MBFB-1	Notes
1a	Hydraulic Conductivity (K)	cm/s	1.058E-03	1.058E-03	1.058E-03	1.058E-03	7.056E-03	Hydraulic conductivity consistent with the 1998 Final Groundwater Remedial Investigation Report (Dames and Moore, May 15, 1998) ("1998 GWRI")
1b		ft./s	3.5E-05	3.5E-05	3.5E-05	3.5E-05	2.3E-04	
1c		ft./day	3.0	3.0	3.0	3.0	20.0	
1d		ft./year	1095.0	1095.0	1095.0	1095.0	7300.0	
1e	Hydraulic Gradient	ft./ft.	0.0008	0.0052	0.0007	0.0044	0.0005	Localized WT and MBFB transect hydraulic gradients obtained from gauging data, (updating the 1998 GWRI values).
1f	Effective porosity	%	15%	15%	15%	15%	15%	Effective porosity from 1998 GWRI
1f	Seepage velocity	ft/yr	5.84	37.96	5.11	32.12	24.33	Calculated from prior Section 1 inputs. Calculated independently in Bioscreen.
2a	Plume Length	ft	500	150	460	850	1250	Plume length estimated as distance from source well to downgradient 1 µg/L contour. In MBFB, this was estimated via shortest distance east.
2b	Longitudinal Dispersivity	ft	17.93	9.26	17.22	22.84	26.85	Calculated from Plume Length via Xu and Eckstein, 1995
2c	Transverse Dispersivity - Initial	ft	1.793	0.926	1.722	2.284	2.685	Estimated starting value is 10% of Longitudinal Dispersivity - Adjusted to calibrate Instantaneous Reaction Model.
	Transverse Dispersivity - Calibrated	ft	0.179	0.093	1.722	2.341	2.685	Adjusted from initial estimate to calibrate Instantaneous Reaction Model.
2d	Vertical Dispersivity - initial	ft	0.179	0.093	0.172	0.228	0.269	Estimated starting value is 10% of Transverse Dispersivity
	Vertical Dispersivity - calibrated	ft	0.018	0.009	0.000	0.228	0.269	Estimated as 10% of calibrated Transverse Dispersivity
3a	Soil Bulk Density	kg/L	1.7	1.7	1.7	1.7	1.7	Bioscreen Documentation, Appendix F of 1998 GWRI
3b	Partition Coefficient (Koc)	L/kg	38	38	38	38	38	Literature Benzene value (Wiedemeier et al , 1999)
3c	Fraction Organic carbon	-	2.00E-05	2.00E-05	2.00E-05	2.00E-05	1.50E-04	Value from 1998 GWRI
3d	Retardation Factor	-	1	1	1	1	1	Conservative alternative to Bioscreen derivation from 3a, 3b and 3d, assumes no retardation.
4	Initial Solute Half-life	years	1.97	1.97	1.97	1.97	1.97	Literature value for comparison withsite data calibration and first order decay model.
	Calibrated Solute Half-life	years	4.50	0.38	3.40	1.45	3.10	Best fit to field data along transect.
	1st Order Decay Coefficient	/year	0.15	1.82	0.20	0.48	0.22	
		/day	0.0004	0.0050	0.0006	0.00131	0.00061	
4	Background Oxygen	mg/L	0.93	0.93	0.93	0.93	2.09	Average background DO taken from WT location SWL0057 as 0.93 mg/L, and from cross gradient MBFB location SWL-0037 as 2.09 mg/L in September 2017. Representative background nitrate and sulfate concentrations also taken from SWL0057 and SWL0037 respectively. Source DO taken as average of purge DO parameter readings from source well at each transect during sampling. Other instantaneous reaction model concentrations taken from representative transect wells.
4	Background Nitrate	mg/L	21	21	21	21	<0.10	
4	Background Sulfate	mg/L	390	390	390	390	80	
4a	Delta Oxygen	mg/L	0.45	0.31	0.68	0.00	1.23	
4b	Delta Nitrate	mg/L	21.00	21.00	21.00	21.00	0	
4c	Observed Ferrous Iron	mg/L	6.03	7.60	7.68	4.05	3.70	
4d	Delta Sulfate	mg/L	386	377	220	280	80	
4e	Observed Methane	mg/L	0.014	-	1.72	0.0624	0.194	
5a	Modelled Area Length	ft	600	600	1200	1200	1800	Distance from Source to beyond downgradient 1 µg/L Benzene concentration.
5b	Modelled Area Width	ft	160	200	230	200	240	Representative model widths approximately 20% wider than estimated source widths were adopted.
5c	Simulation time	yrs	70	70	70	70	70	Assumed timeframe from construction of plant in 1944 to present. Altered if calibration indicates potentially newer release.
6a	Source thickness in Saturated zone	ft	10	10	10	10	10	Approximately 10 feet considered appropriate for many petroleum release sites
6c	Source Width	ft	130	165	190	165	200	Representative source width estimated across maximum of 10^4 or 10^5 µg/L contour width at source wells.
6d	Source Concentration	mg/L	72	360	280	160	170	Source concentrations adopted from Benzene data.
6e	Soluble Mass - initial	kg	Infinite	Infinite	Infinite	Infinite	Infinite	Default starting conservative assumption
6f	Soluble Mass - estimate for IRM calibration	kg	Infinite	Infinite	Infinite	Infinite	Infinite	

Notes

80	Shaded bold cell indicates a variable that changes for each transect model
x	Unable to resolve IRM based on plume dimensions, high dissolved phase source concentrations and reasonable (<8ft) transverse dispersivity values, when attempting calibration against observed downgradient concentrations (observed concentrations lower than predicted by no degradation and degradation models. Probable indication of ongoing biodegradation.

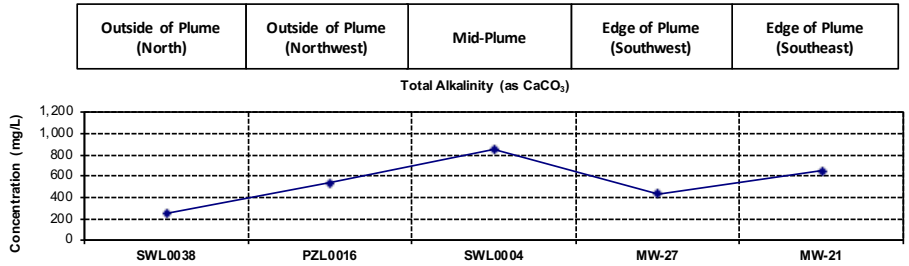
Table H-5: BioScreen Transect Dimensions and Concentration Data

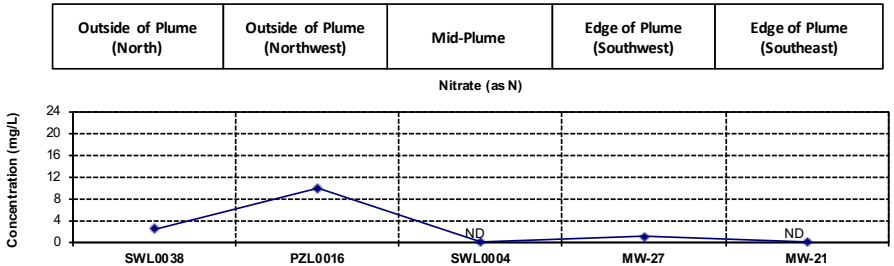
Dual Site Groundwater Operable Unit | Los Angeles, California

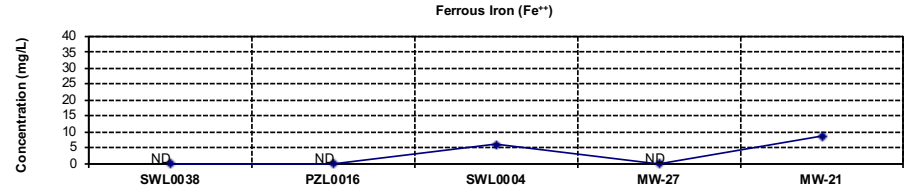
2017 Baseline MACR

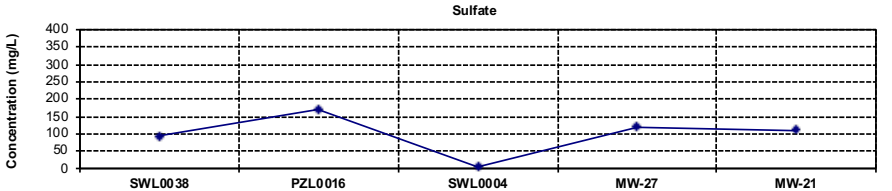
Transect	Source Width	Well	Distance From Source Along Transect	Benzene 2015 Concentration (mg/L)	Benzene 2016 Concentration (mg/L)	Benzene 2017 Concentration (mg/L)	Source Oxygen (mg/L)	Source Nitrate (mg/L)	Source Ferrous Iron (mg/L)	Source Sulfate (mg/L)		Source Methane (mg/L)	Notes
WT-1	130	SWL-0004	0	49	80	72	0.48	<0.10	6.03	4.5	J+m	0.014	SSE flow direction from 1995 and 2016 contouring.
		MW-21	550	0.00082	0.00065	0.00086							Width taken across 10^4 µg/L contour at SL-0032 - SL-0004
WT-2	165	PZL-0020	0	470	510	360							SSW flow direction, NAPL, potential radial flow.
		SWL-0008	110	0.0039	0.0025	0.056	0.62	<0.10	7.60	13	J+m	-	Width taken across 10^5 µg/L contour at PL-0019 - G17
		SWL-0051	390	<0.0005	<0.0005	<0.0005							
WT-3	190	MW-04HD	0	350	480	280	0.25	<0.10	7.68	170	J+m	1.72	S flow direction, potential radial flow.
		SWL-0021	500	0.00047	0.00051	0.00047 J							Width taken across 10^5 µg/L contour at MW-04HD - PZL-0013
WT-4	165	SWL-0068	0	170	200	160	5.33	<0.10	4.05	110	J+m	0.0624	S flow direction, potential radial flow.
		PZL-0026	530	0.044	0.036	0.032	0.94	<0.10	2.16	290	J+m	0.0112	Width taken across 10^5 µg/L contour at SWL-0068
		SWL-0024	1000	<0.0005	<0.0005	<0.0005	1.82	<0.10	0.366	230	J+m	0.0518	
MBFB	200	SWL-0048	0	140	200	170	0.86	<0.10	3.70	ND (<1.0)		0.194	S then E flow direction.
		SWL-0050	710	1.9	22	57	0.39	<0.10	0.136	130	J+m	0.034	Width taken within 10^5 µg/L contour at SWL-0048
		SWL-0041	1285	0.023	0.00052	0.00066	0.33	<0.10	0.9	200		0.01	
		G01-WC	1580	<0.0005	<0.0005	<0.0005							

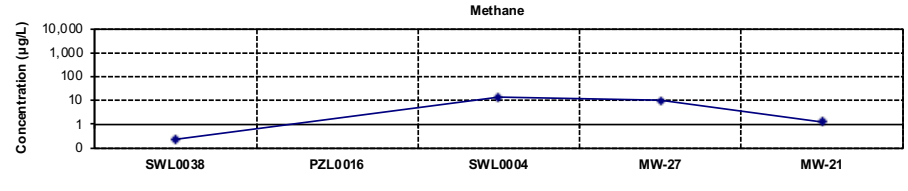
Figure H-1
Biodegradation Indicators
Water Table Transect 1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

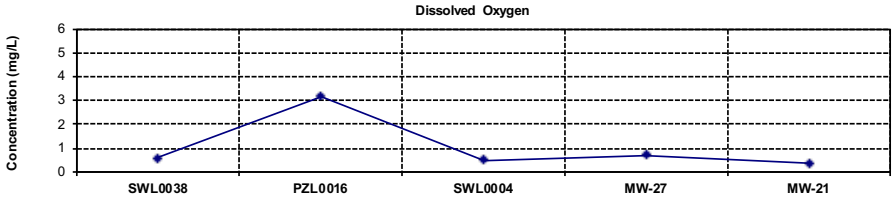


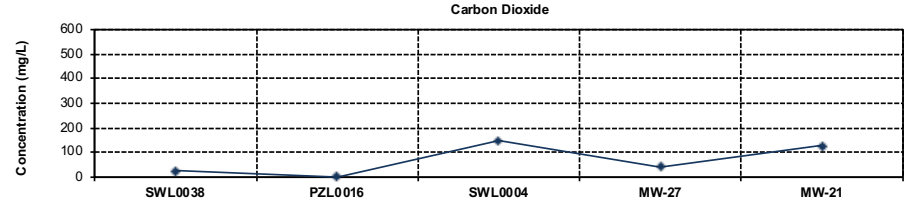












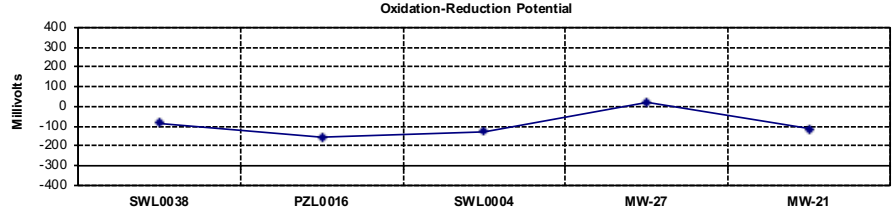


Figure H-2
Biodegradation Indicators
Water Table Transect 2
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

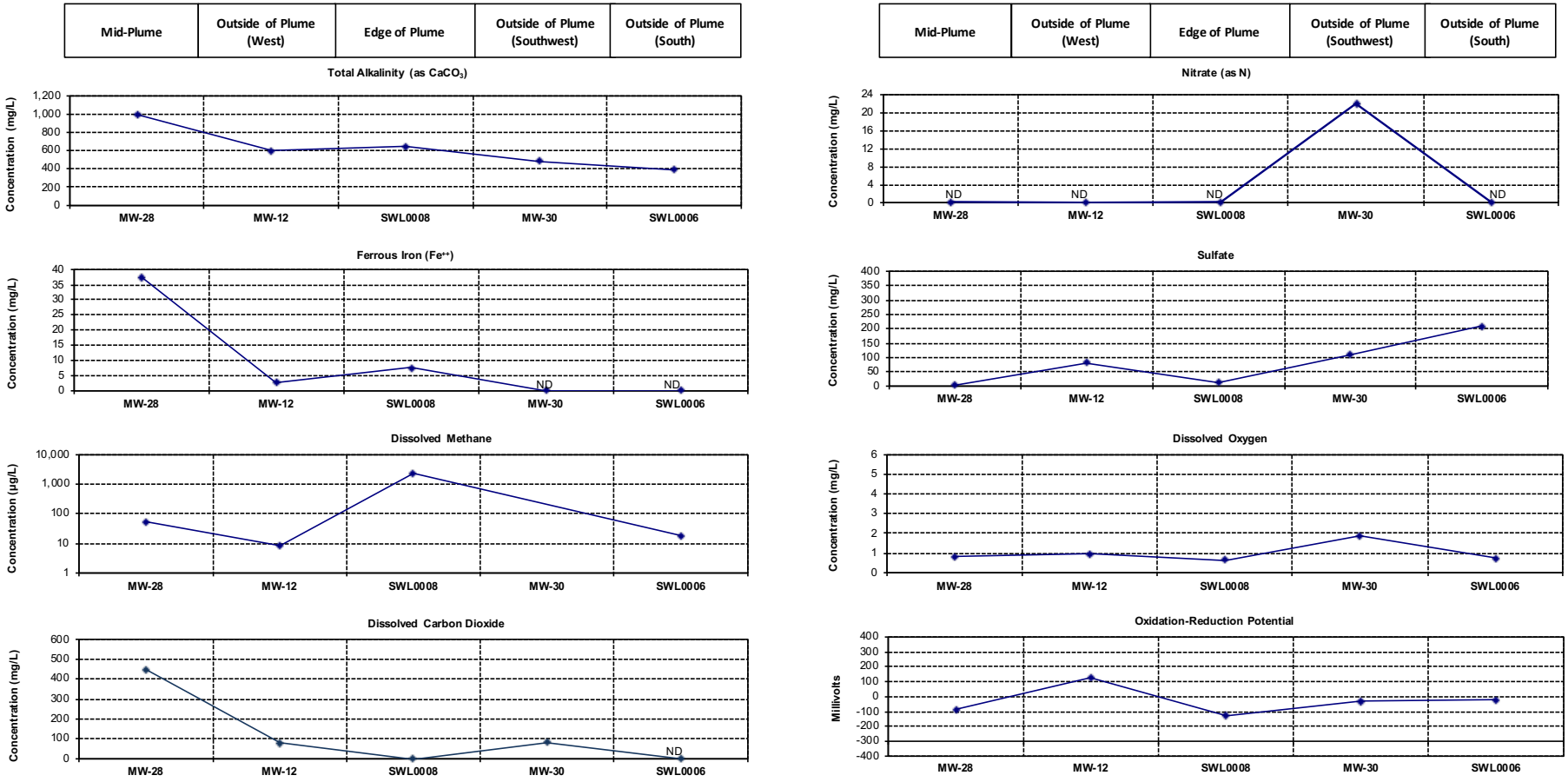


Figure H-3
Biodegradation Indicators
Water Table Transect 3
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

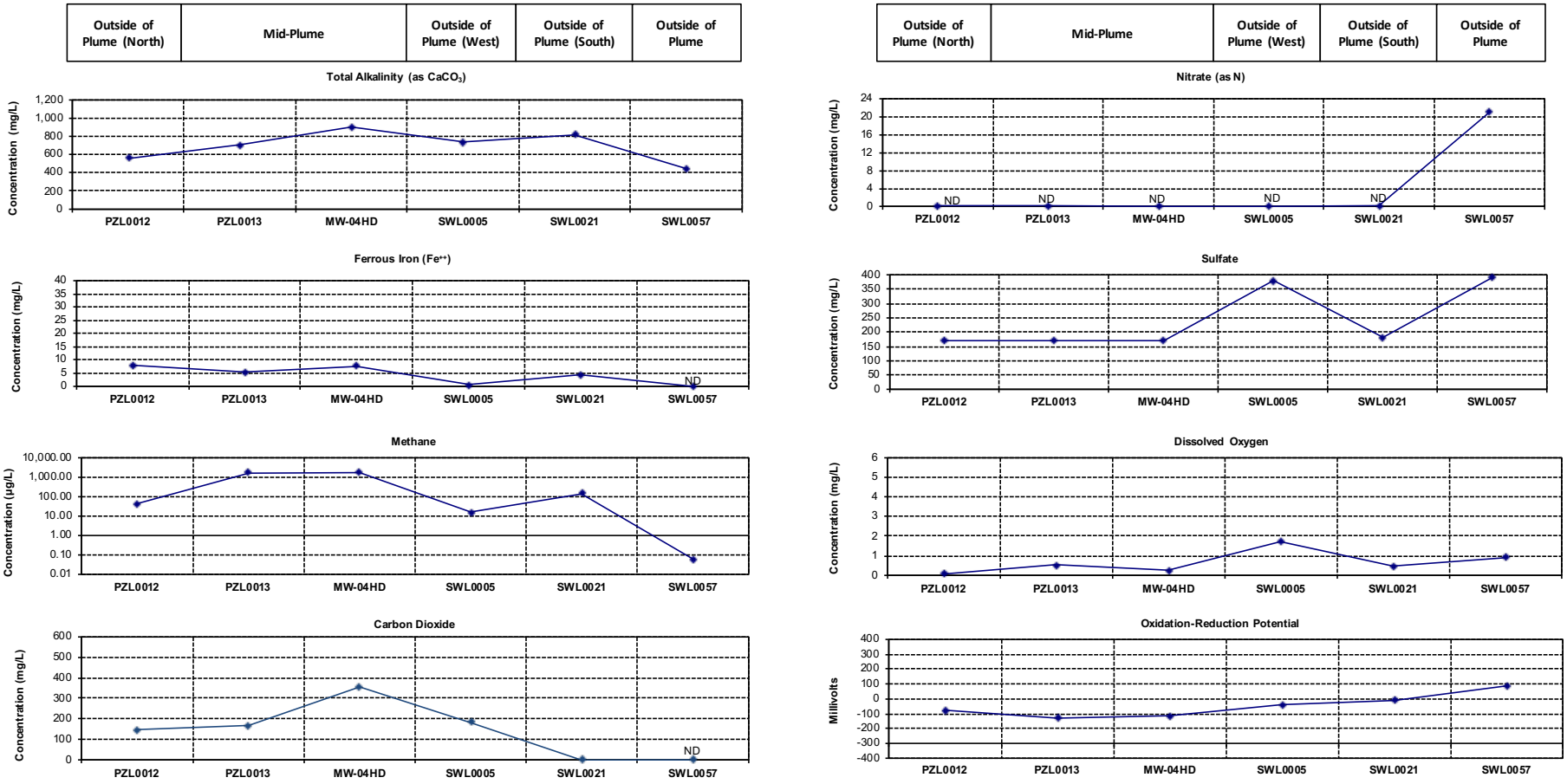


Figure H-4
Biodegradation Indicators
Water Table Transect 4
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

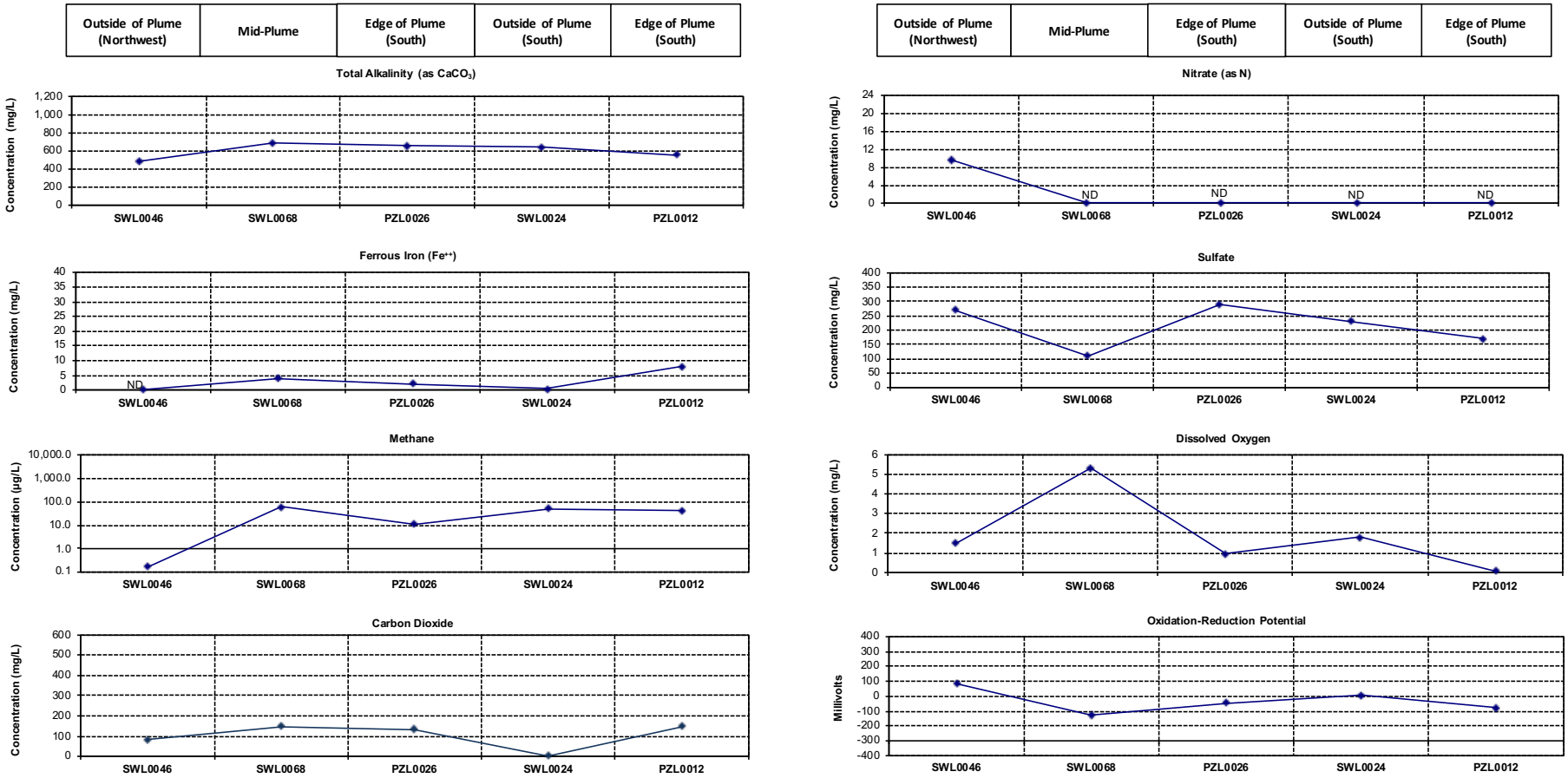


Figure H-5
Biodegradation Indicators
MBFB / Merged MBFB/MBFC Transect
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

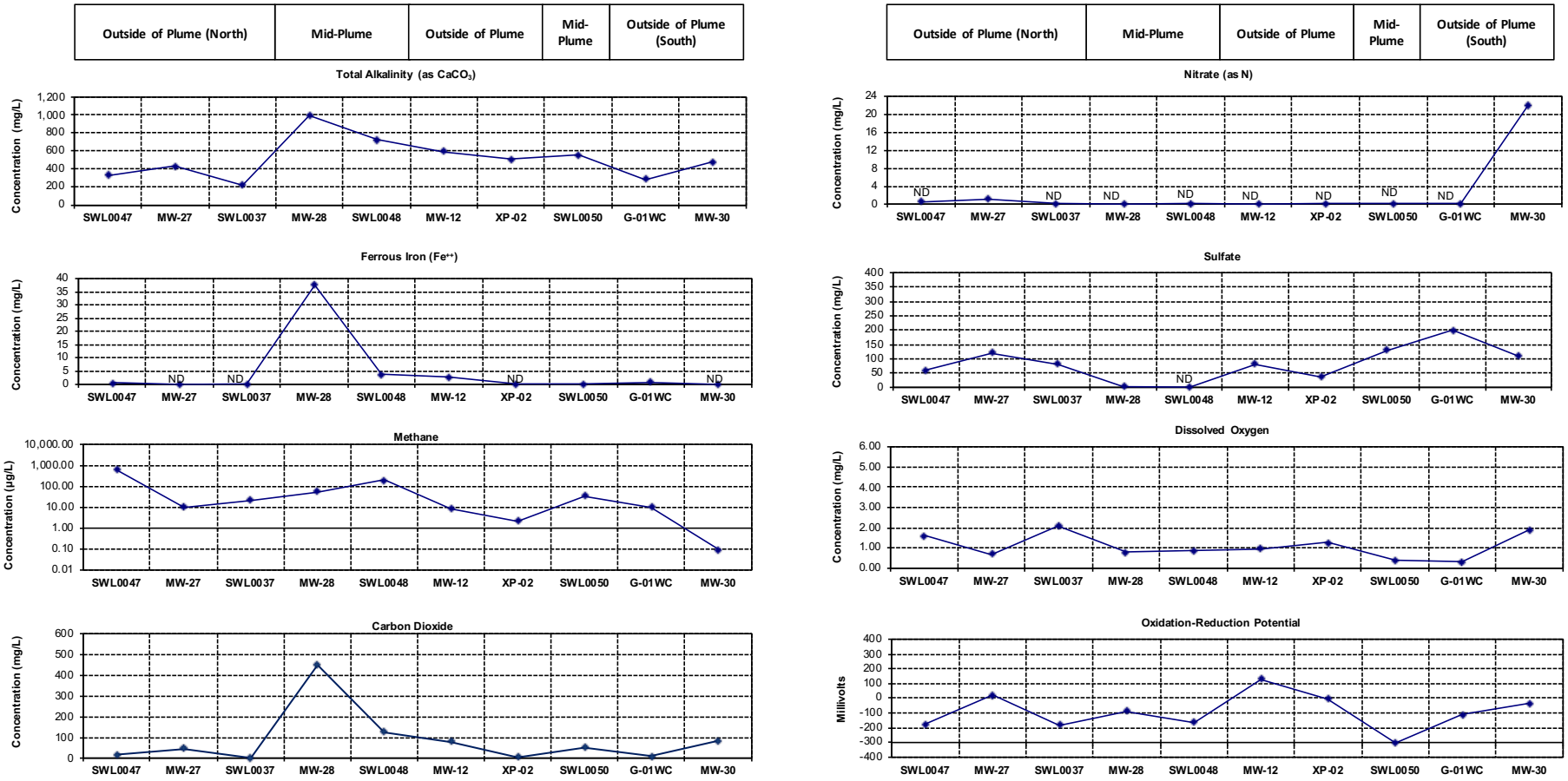


Figure H-6

Biodegradation Transect Water Table

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

SWL0038
<0.50

WT-1

10,000
1,000
100
10
1

PZL0016
0.22 J

SWL0004
72,000

MW-21
0.86

MW-27
<5.0

MW-28
18,000

WT-2
100,000

MW-12
8.0

SWL0008
56

SWL0006
<0.50

MW-30
<0.50

SWL0057
<0.50

SWL0005
<0.50

SWL0046
<0.50

WT-4

SWL0068
160,000

PZL0012
1.7

WT-3

PZL0013
210,000

SWL0021
0.47 J

MW-04HD
280,000

SWL0024
<0.50

PZL0026
32

100,000
10,000
1,000
100
10
1

Boeing
International Light Metals
Capitol Metals
Montrose
Jones
Farmer Brothers
Amoco Chemical
Trico/ PACCAR
Del Amo
Former Gardena Valley Landfill 4
Alpine Village Texaco
Mobile

S WESTERN AVE
W 190TH ST
W KNOX ST
NORMANDIE AVE
KNOX ST
S VERMONT AVE
S HAMILTON AVE
HARBOR FWY
W FRANCISCO ST
FIGUEROA ST
W JON ST
DEL AMO BLVD
W 204TH ST
W 205TH ST
W 206TH ST
W 207TH ST
W 208TH ST
DENKER AVE
HARBORGATE WAY
KENWOOD AVE
RAYMOND AVE
BUDLONG AVE
CATALINA ST
BERENDO AVE
NEW HAMPSHIRE AVE
HAMILTON AVE
TORRANCE BLVD
GREENHEDGE ST

405
110
213

Biodegradation Transect

Benzene isoconcentration line within the benzene plume
(Isoconcentration lines dashed where inferred)

Montrose Well Result

Del Amo Well

Area where NAPL has been observed at residual saturations, but has not accumulated within a water table monitoring well

Area where visible NAPL accumulations occur within one or more water table monitoring wells

Water Table TI Waiver Zone

Facility as Labeled

Notes:
1) Concentration units in ug/L

N

0 300 600
Feet

1 inch = 600 feet

Basemap Source: ESRI, 2016

V:\Projects\GIS_Proj\Del_amo\GIS\deliverables\2017_MACR\Benzene_WT_NatAttenTL.mxd

Figure H-7

Biodegradation Transect MBFB / Merged MBFB/MBFC

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

Water Table/UBF/MBFB

Merged MBFB/MBFC

MW-27
<0.50

MW-28
18,000

MW-12
8.0

MW-30
<0.50

SWL0047
0.26 J

SWL0037
<0.50

SWL0048
170,000

XP-02
<0.50

SWL0050
57,000

G-01WC
<0.50

100,000
1
100,000
10,000
1,000
100
10
1

Biodegradation Transect

Demarcation line designating eastern limit of the MBFM that segregates the MBFB and MBFC. East of the line,the two units are not segregated and collectively form the Merged MBFB/MBFC.

Benzene isoconcentration line within the benzene plume
(Isoconcentration lines dashed where inferred)

Montrose Well Result

Del Amo Well

Area where NAPL has been observed at residual saturations, but has not accumulated within a water table monitoring well

Area where visible NAPL accumulations occur within one or more water table monitoring wells

Water Table TI Waiver Zone

Facility as Labeled

Notes:
1) Concentration units in ug/L

N

0 300 600 Feet

1 inch = 600 feet

Basemap Source: ESRI, 2016

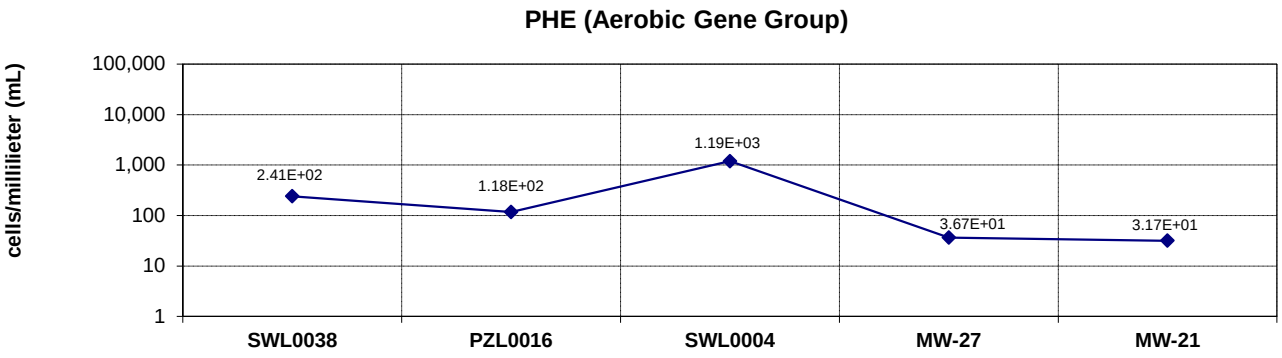
V:\Projects\GIS_Proj\Del_amo\GIS\deliverables\2017_MACR\Benzene_MBFB_NatAttenTL.mxd

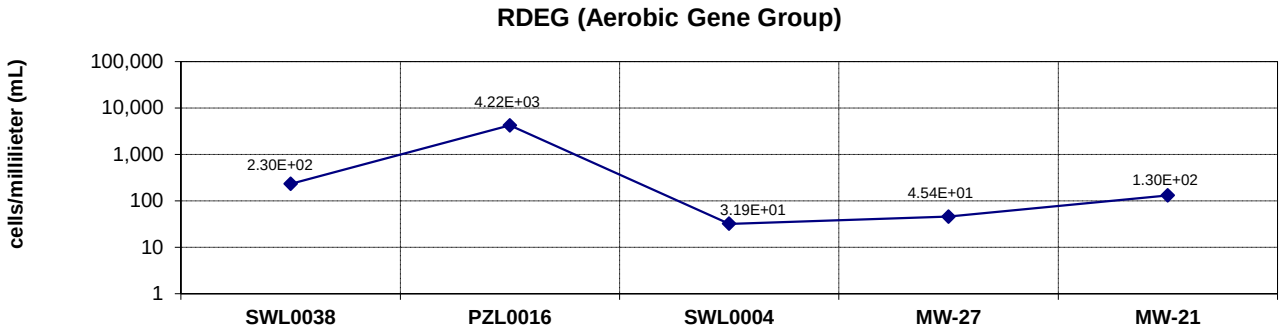
Figure H-8
Gene Group Quantification
Water Table Transect 1

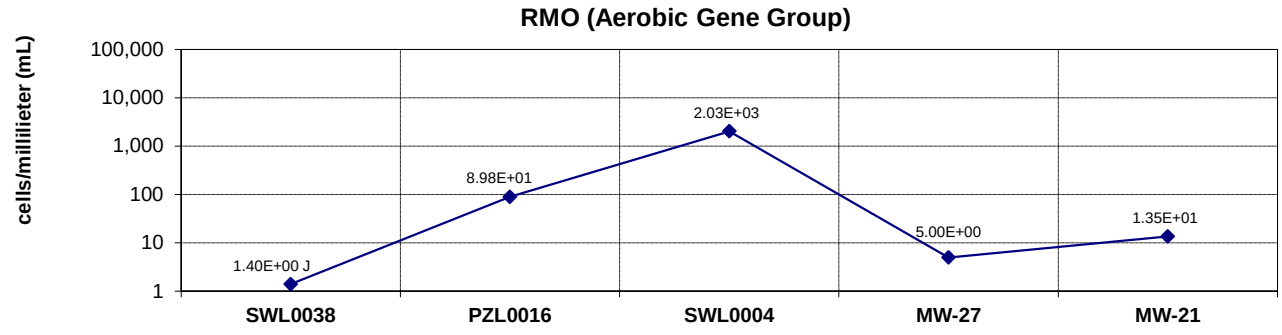
Dual Site Groundwater Operable Unit | Los Angeles, California

2017 Baseline MACR

Outside of Plume (North)	Outside of Plume (Northwest)	Mid-Plume	Edge of Plume (Southwest)	Edge of Plume (Southeast)







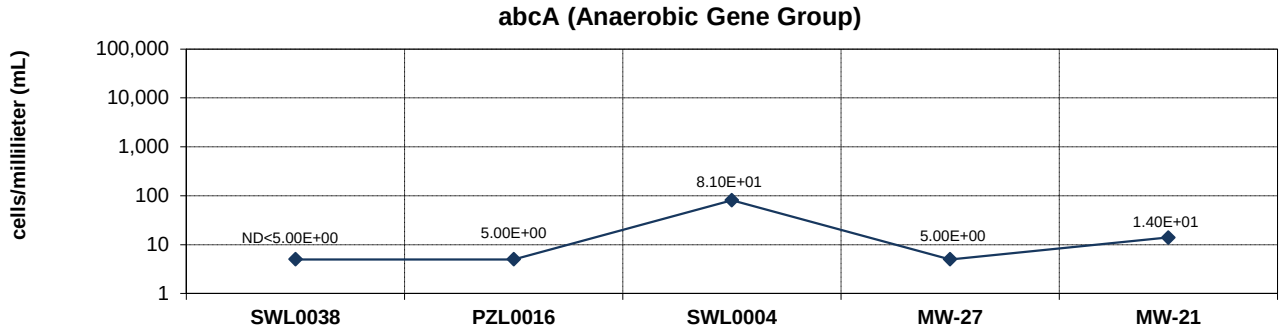
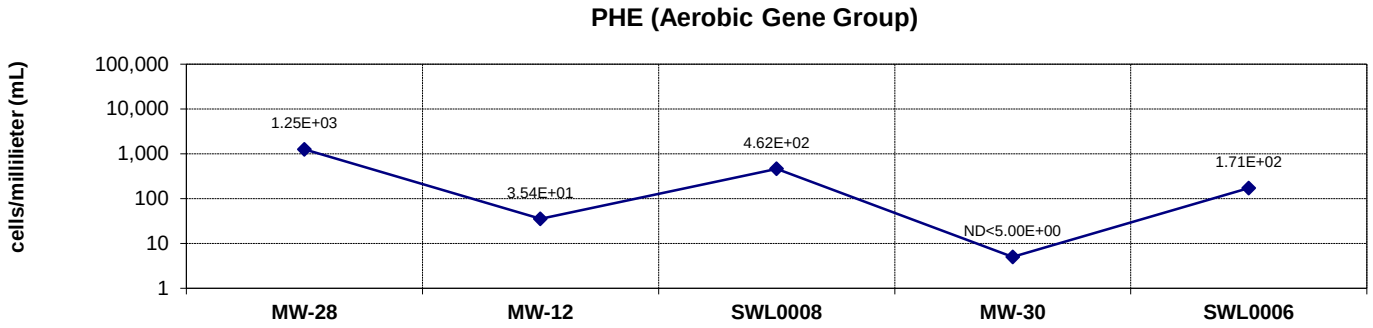


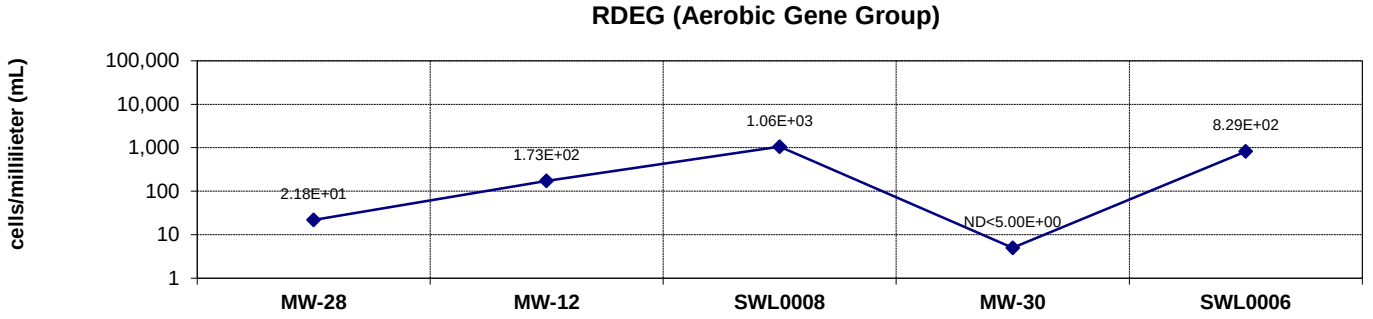
Figure H-9
Gene Group Quantification
Water Table Transect 2

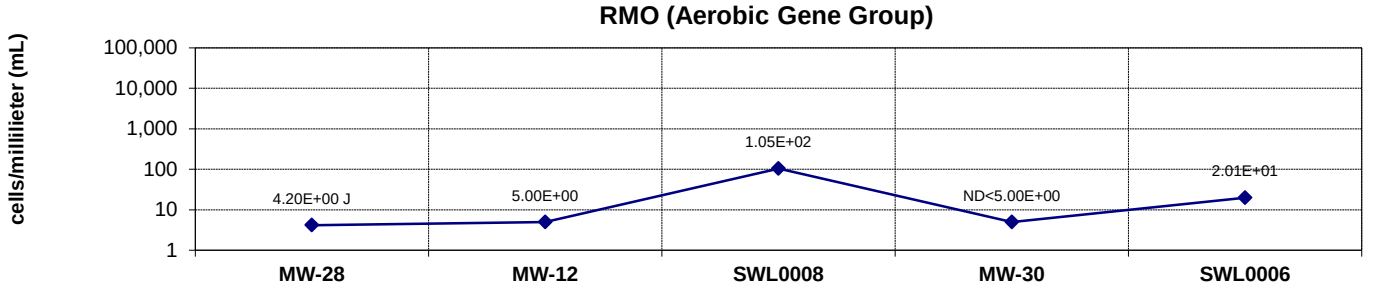
Dual Site Groundwater Operable Unit | Los Angeles, California

2017 Baseline MACR

Mid-Plume	Outside of Plume (West)	Edge of Plume	Outside of Plume (Southwest)	Outside of Plume (South)







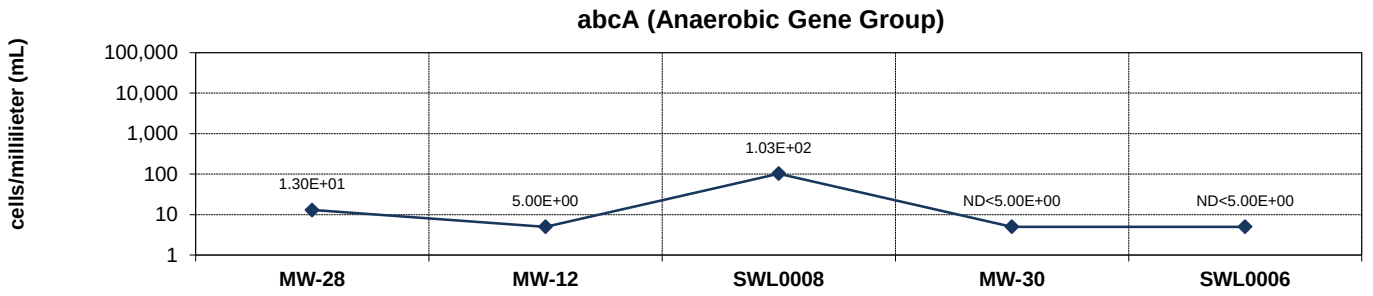
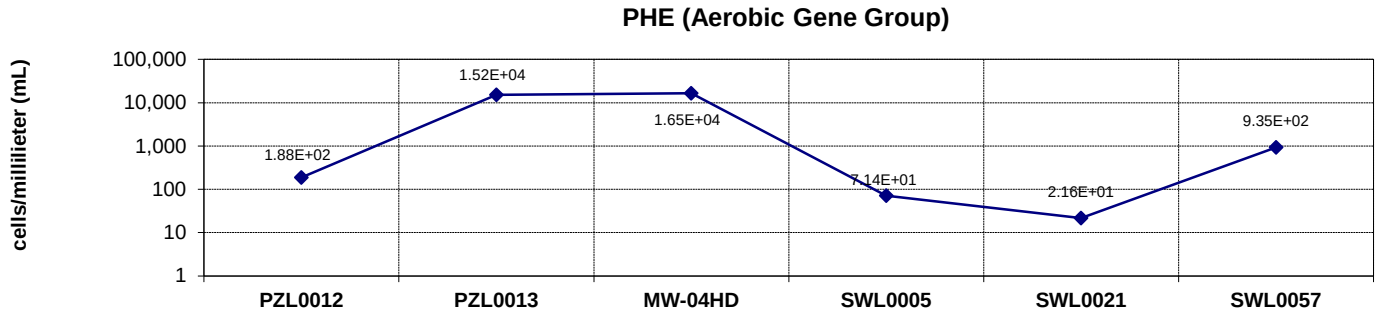


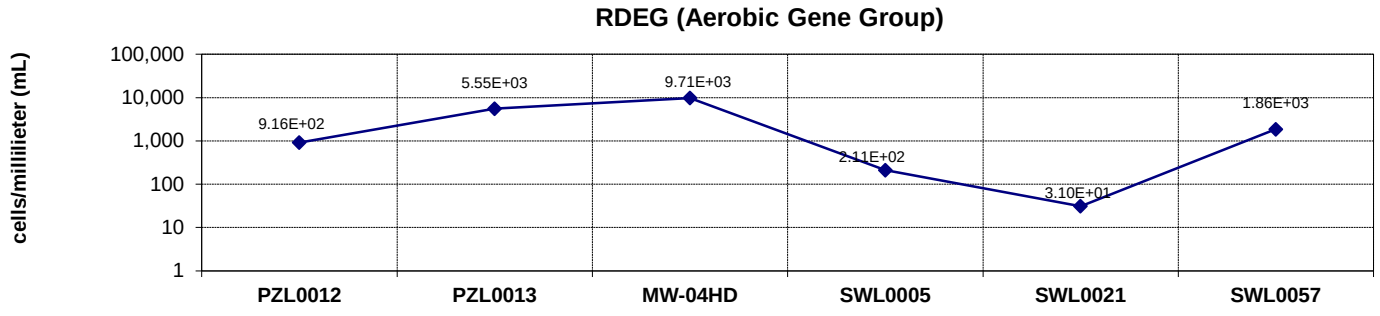
Figure H-10
Gene Group Quantification
Water Table Transect 3

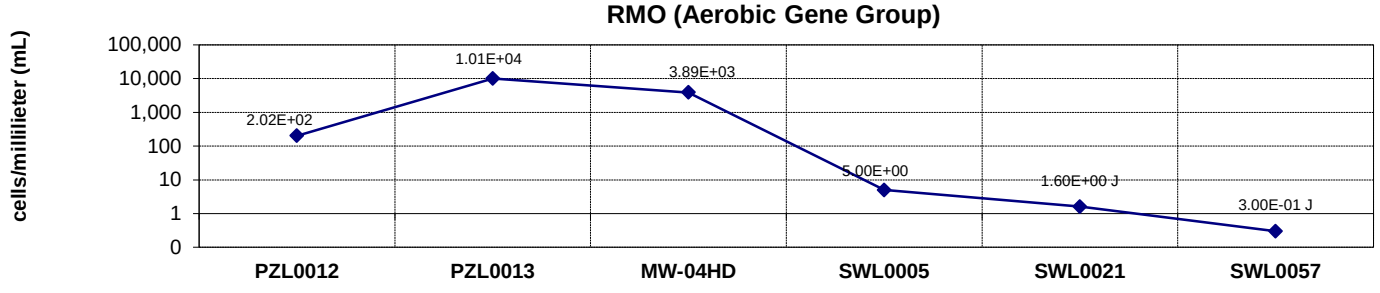
Dual Site Groundwater Operable Unit | Los Angeles, California

2017 Baseline MACR

Outside of Plume (North)	Mid-Plume	Outside of Plume (West)	Outside of Plume (South)	Outside of Plume (Southwest)







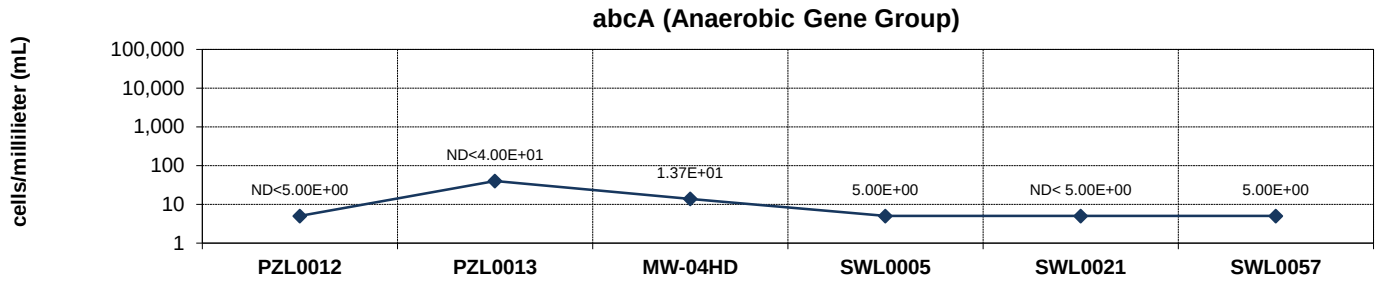
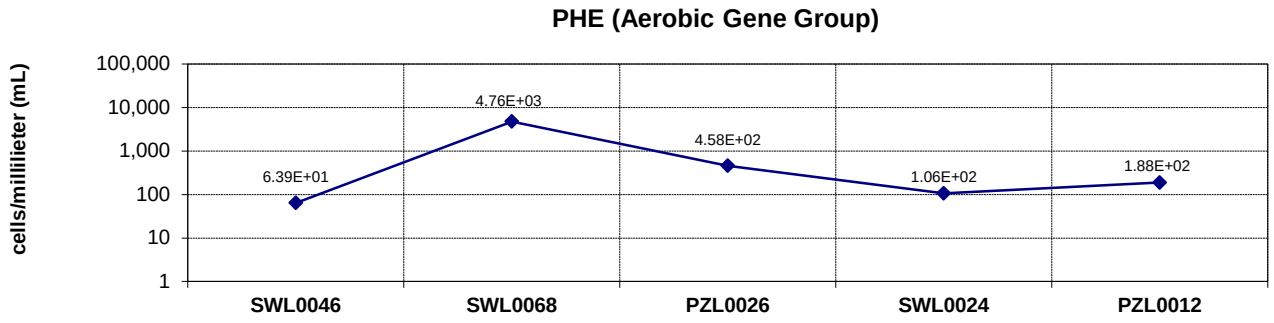


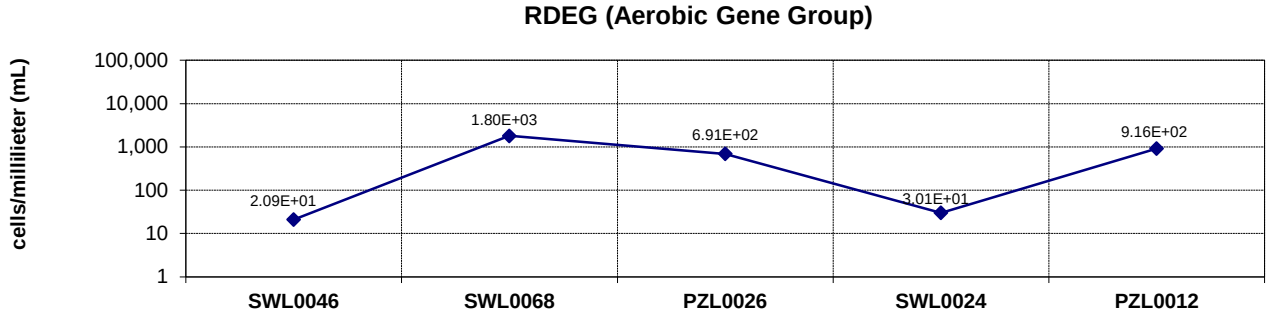
Figure H-11
Gene Group Quantification
Water Table Transect 4

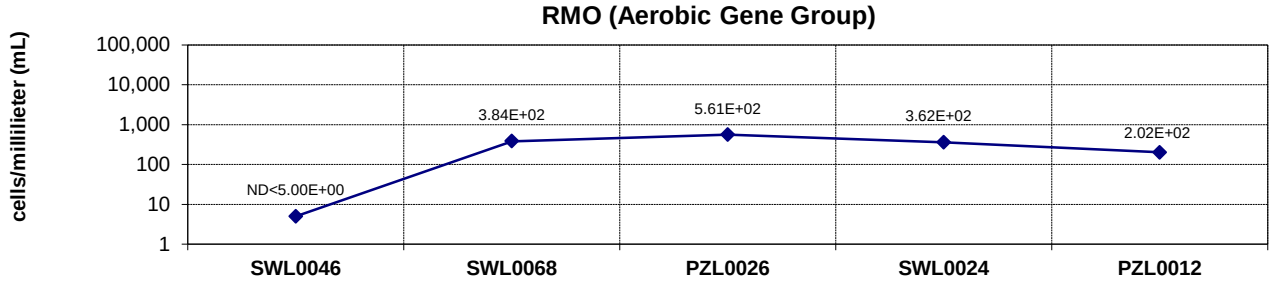
Dual Site Groundwater Operable Unit | Los Angeles, California

2017 Baseline MACR

Outside of Plume (Northwest)	Mid-Plume	Edge of Plume (South)	Outside of Plume (South)	Edge of Plume (South)







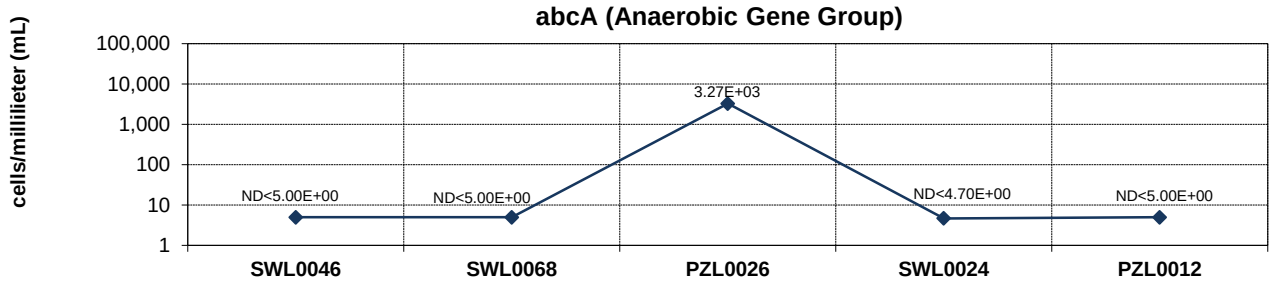


Figure H-12
Gene Group Quantification
Merged MBFB/MBFC Transect

Dual Site Groundwater Operable Unit | Los Angeles, California

2017 Baseline MACR

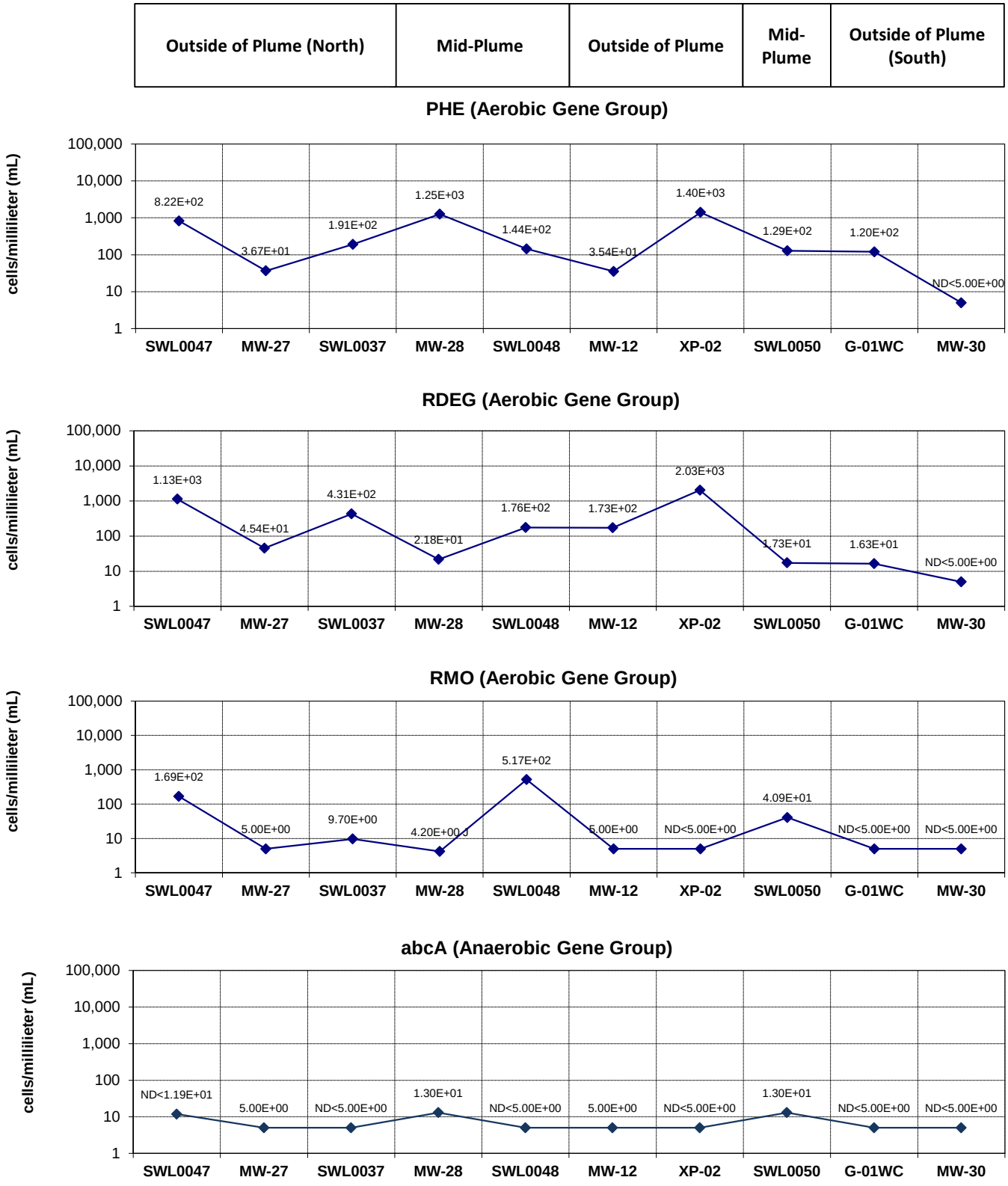
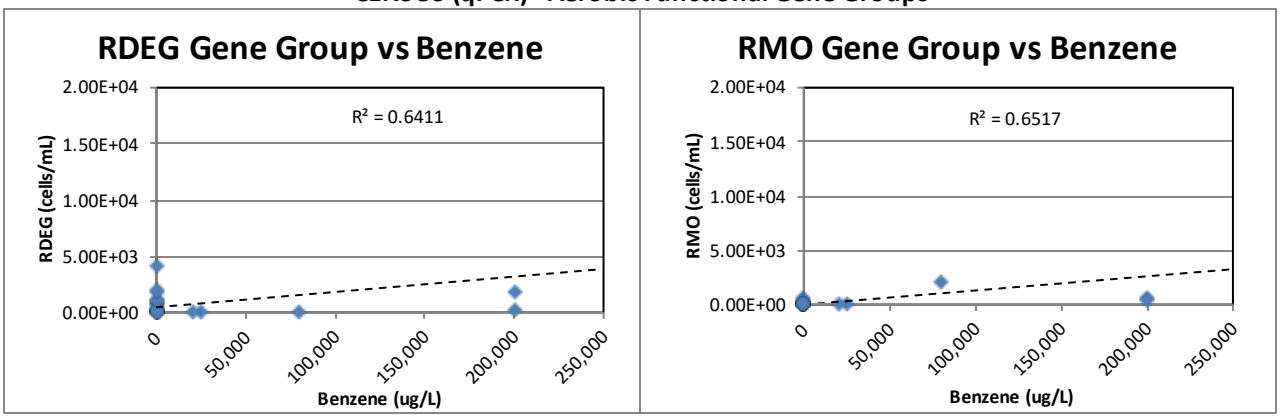
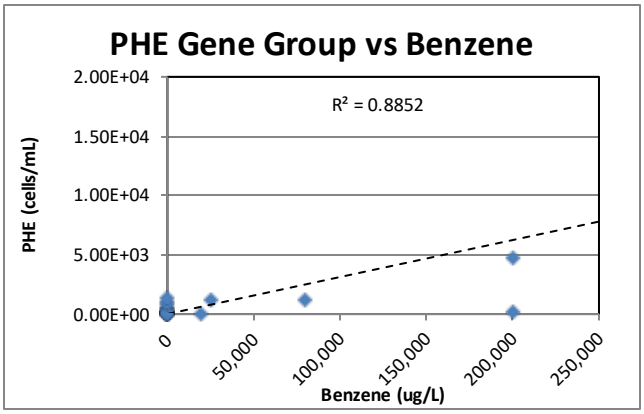


Figure H-13
Scatter Plots of CENSUS qPCR Results versus Benzene Groundwater Concentrations
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

CENSUS (qPCR) - Aerobic Functional Gene Groups





CENSUS (qPCR) - Anaerobic Functional Gene Groups

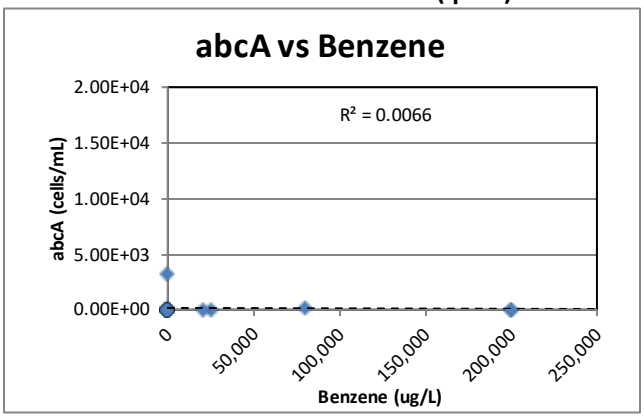
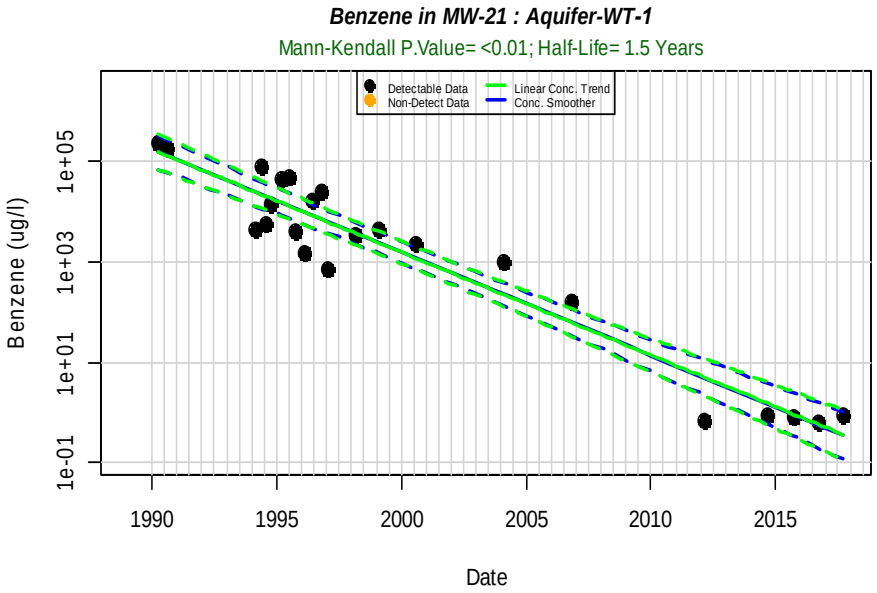
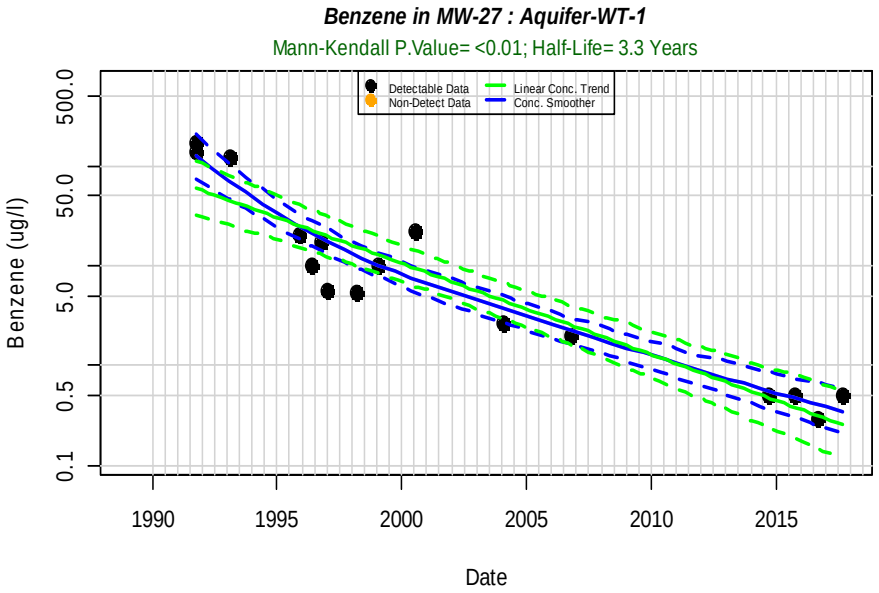
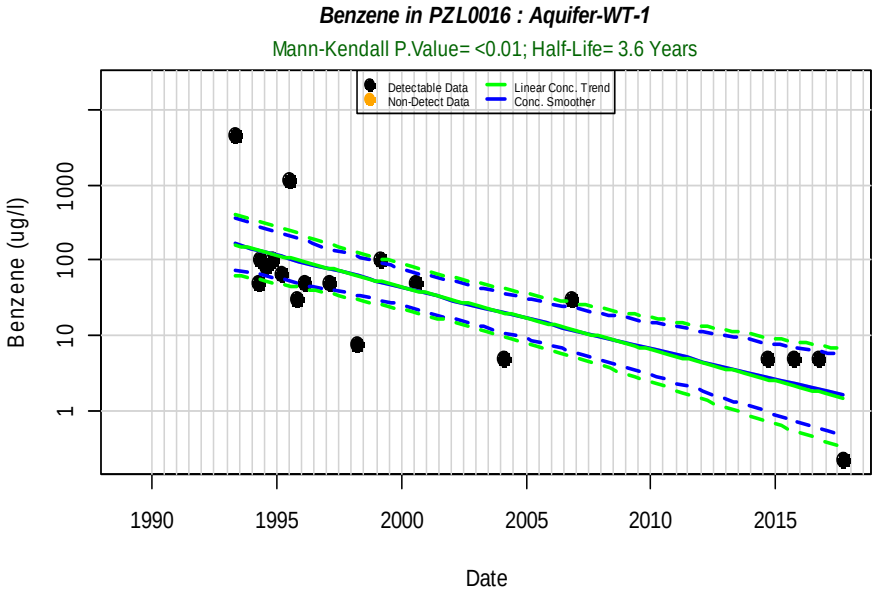


Figure H-14: GWSDAT Results for WT-1

Dual Site Groundwater Operable Unit | 2017 Baseline MACR







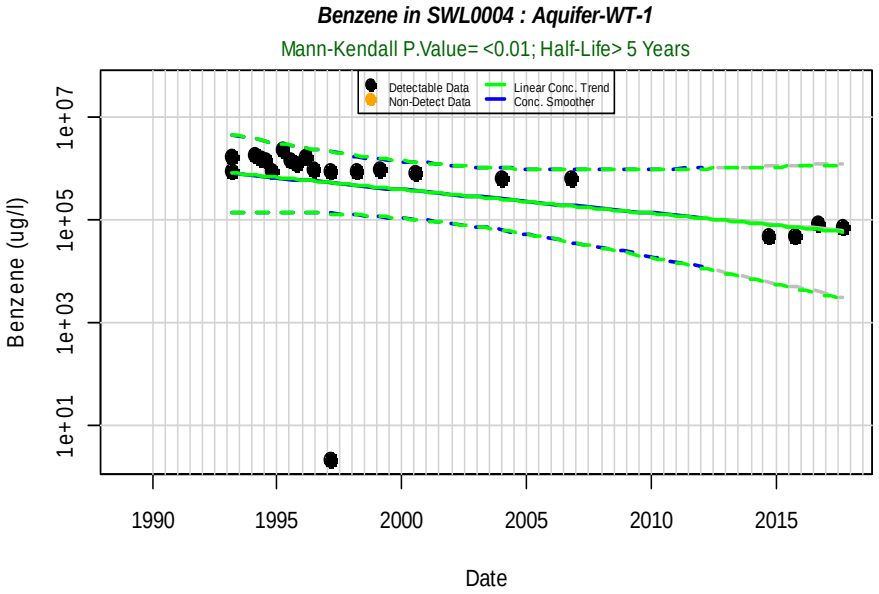


Figure H-14: GWSDAT Results for WT-1 (continued)

Dual Site Groundwater Operable Unit | 2017 Baseline MACR

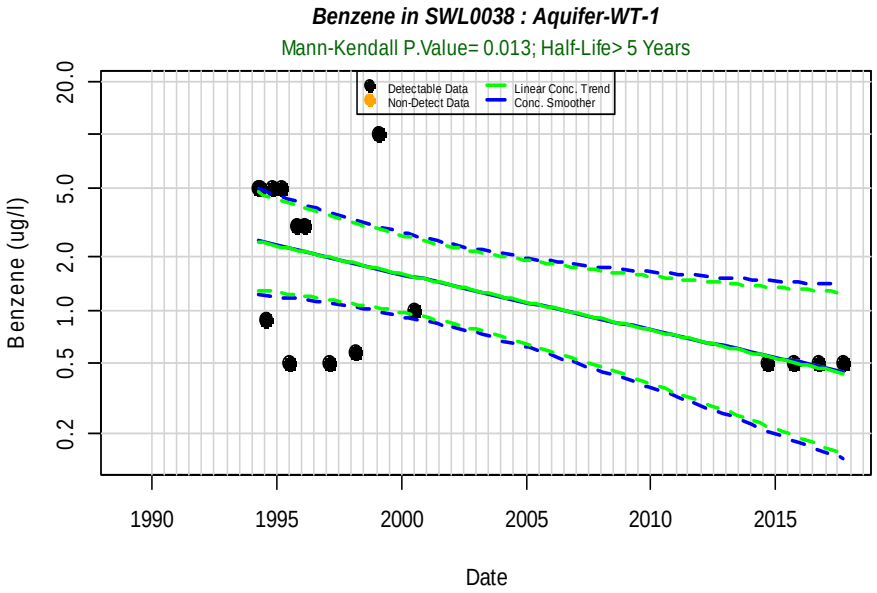
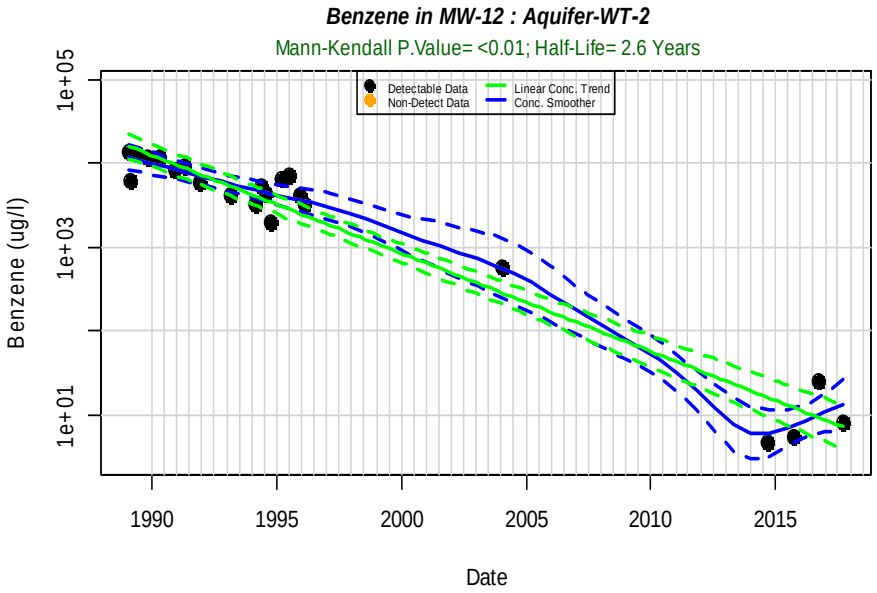
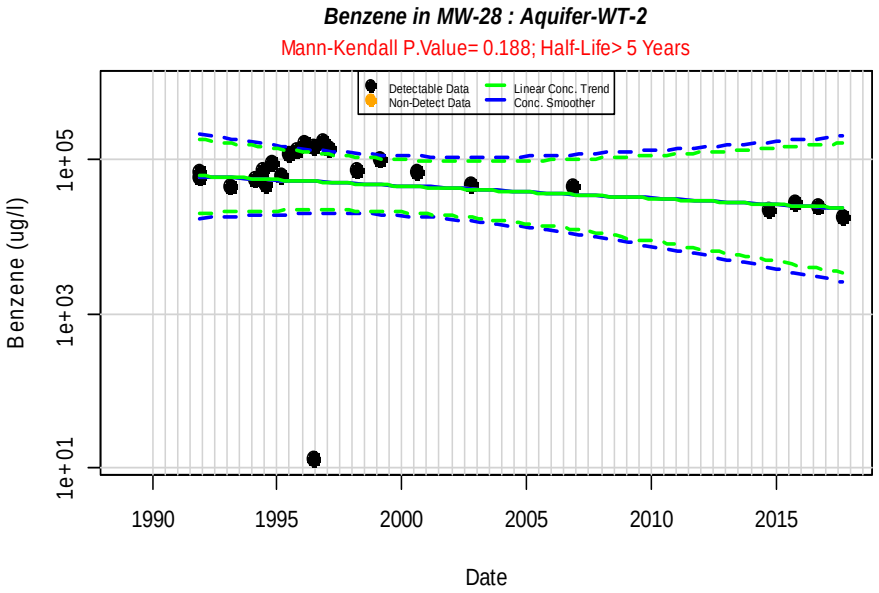
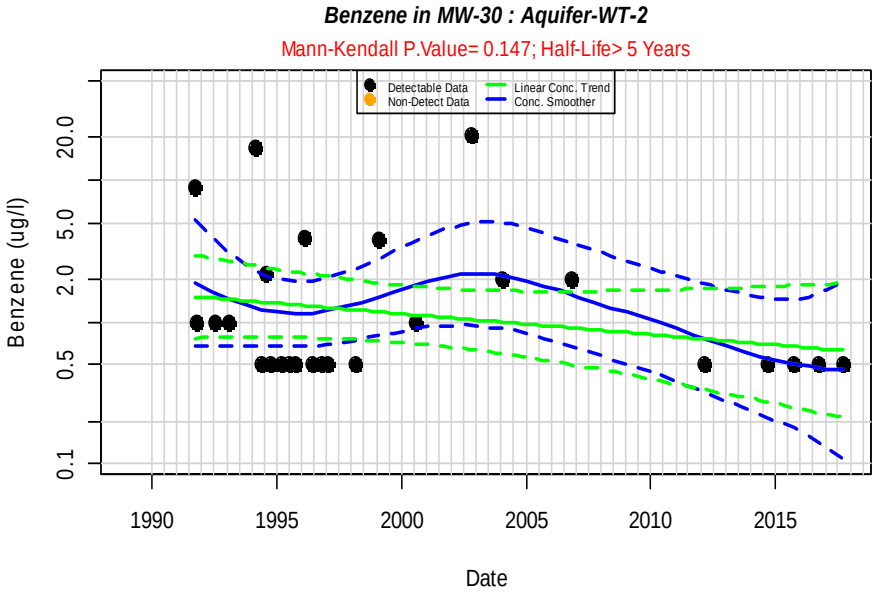


Figure H-15: GWSDAT Results for WT-2

Dual Site Groundwater Operable Unit | 2017 Baseline MACR







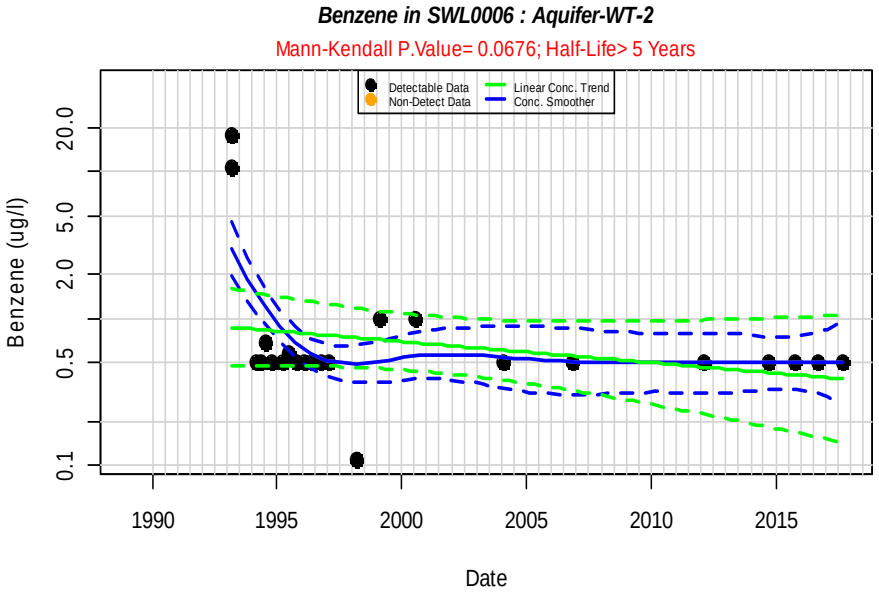


Figure H-15: GWSDAT Results for WT-2 (continued)

Dual Site Groundwater Operable Unit | 2017 Baseline MACR

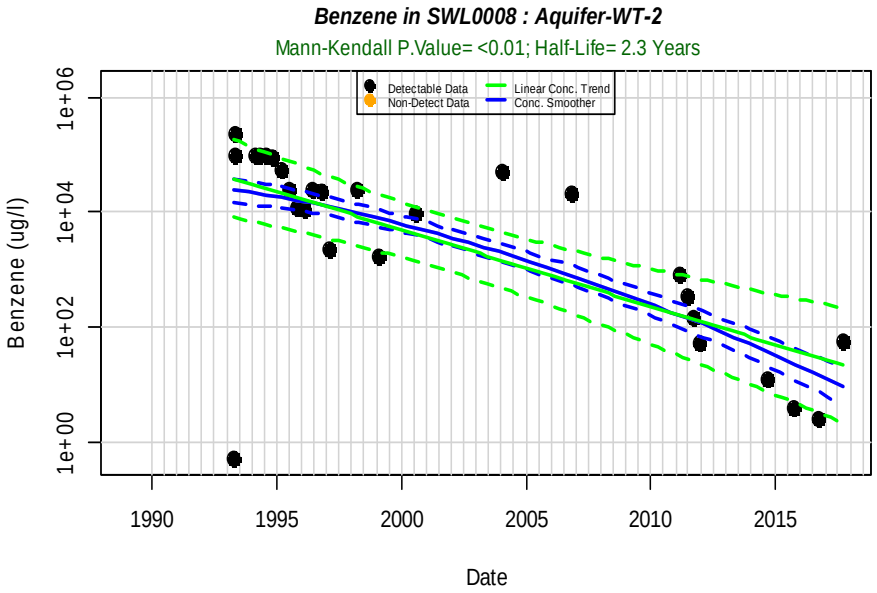
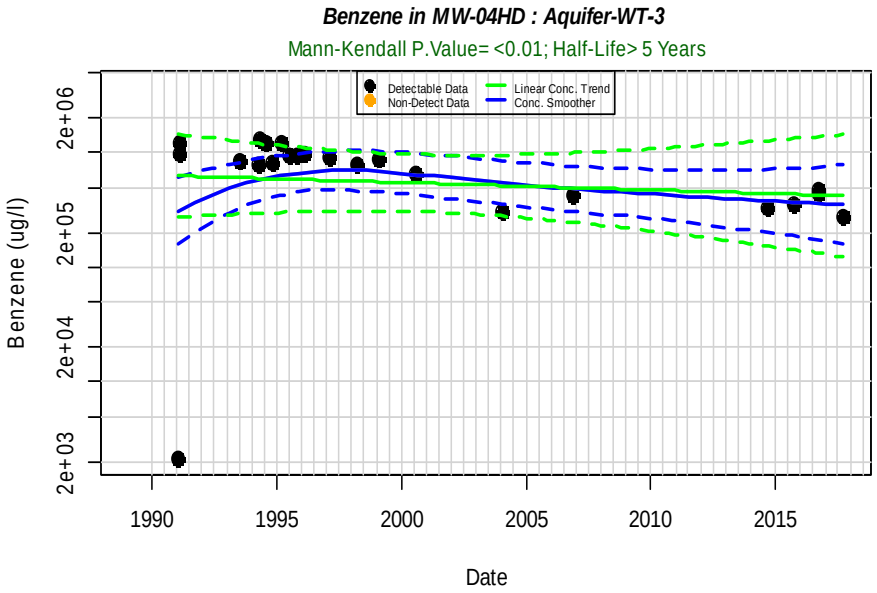
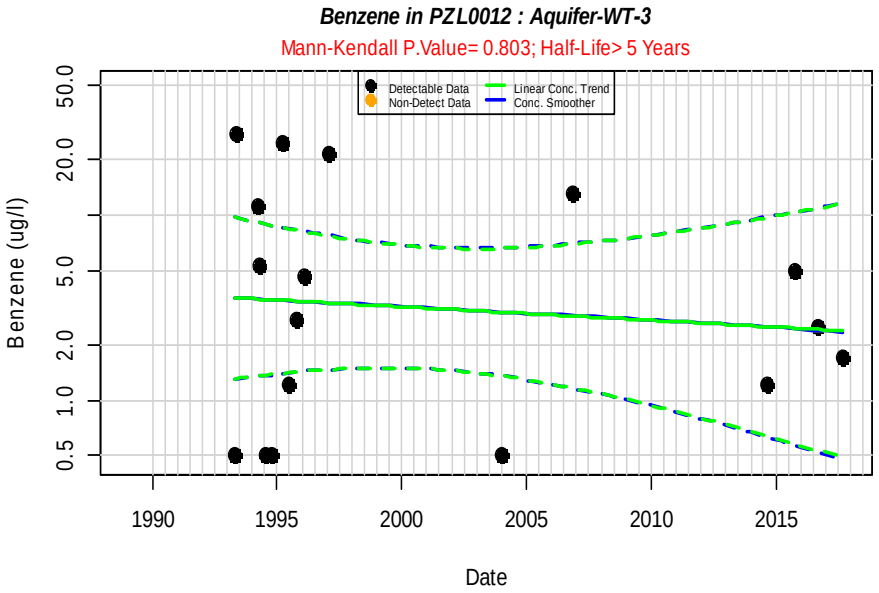
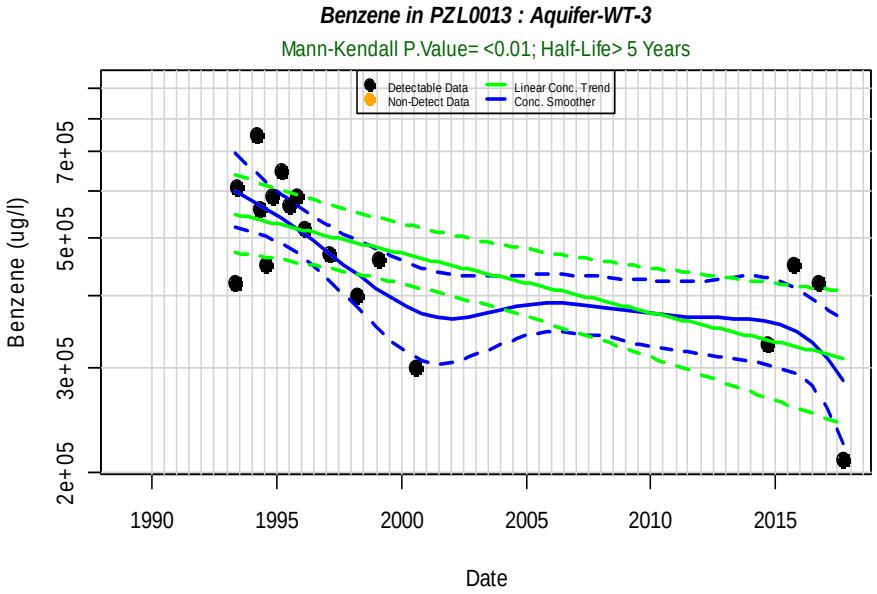


Figure H-16: GWSDAT Results for WT-3

Dual Site Groundwater Operable Unit | 2017 Baseline MACR







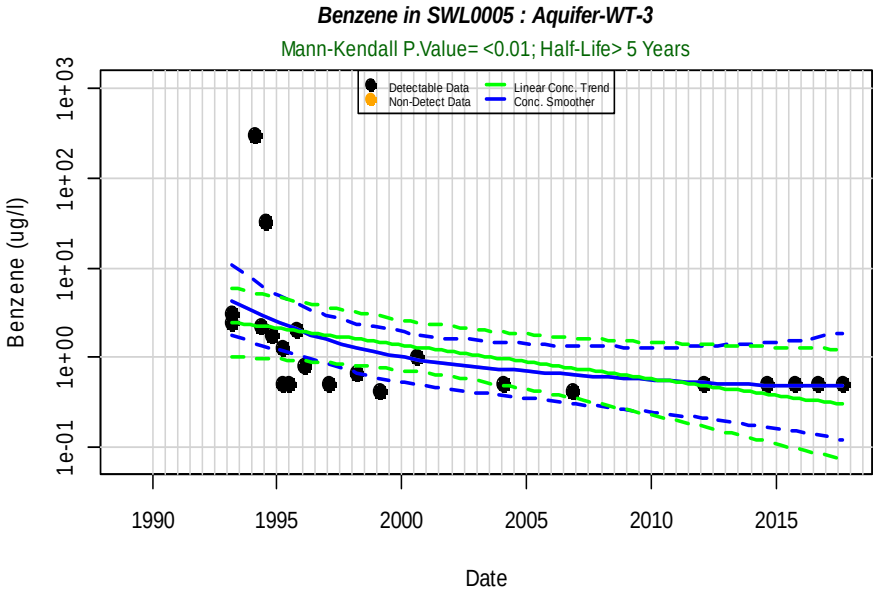
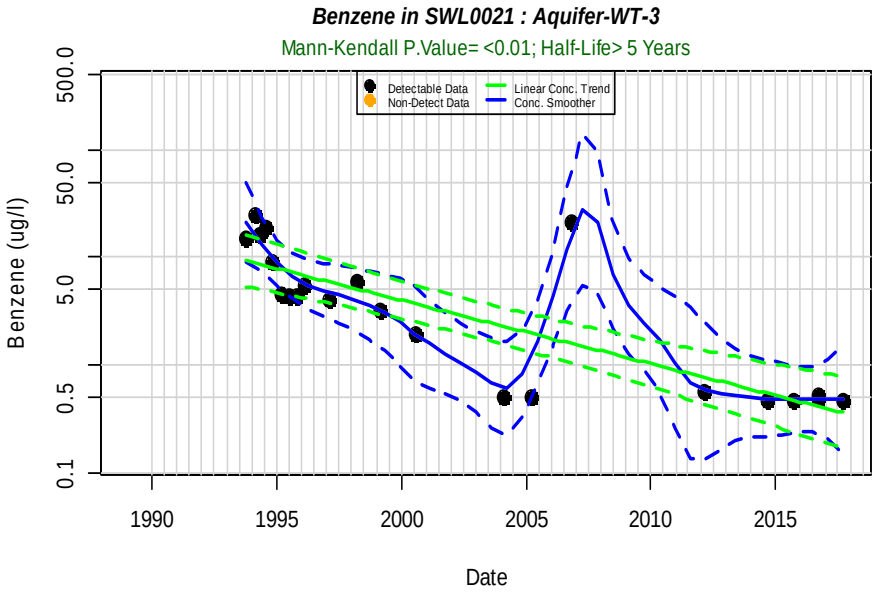


Figure H-16: GWSDAT Results for WT-3 (continued)

Dual Site Groundwater Operable Unit | 2017 Baseline MACR



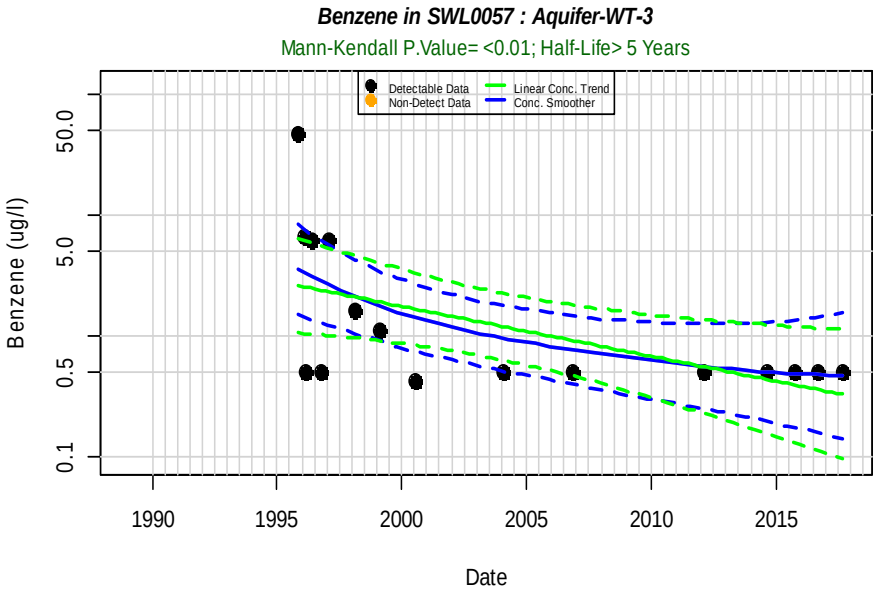
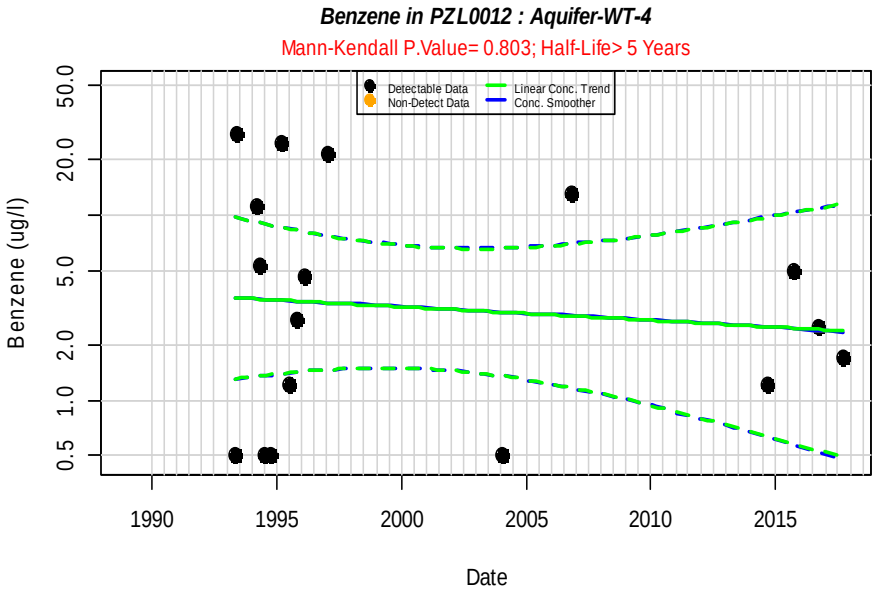
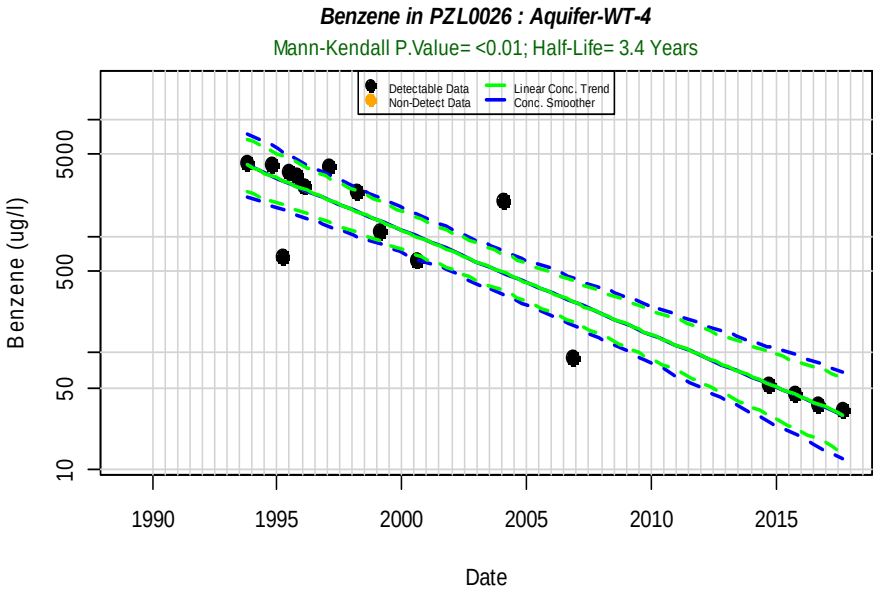
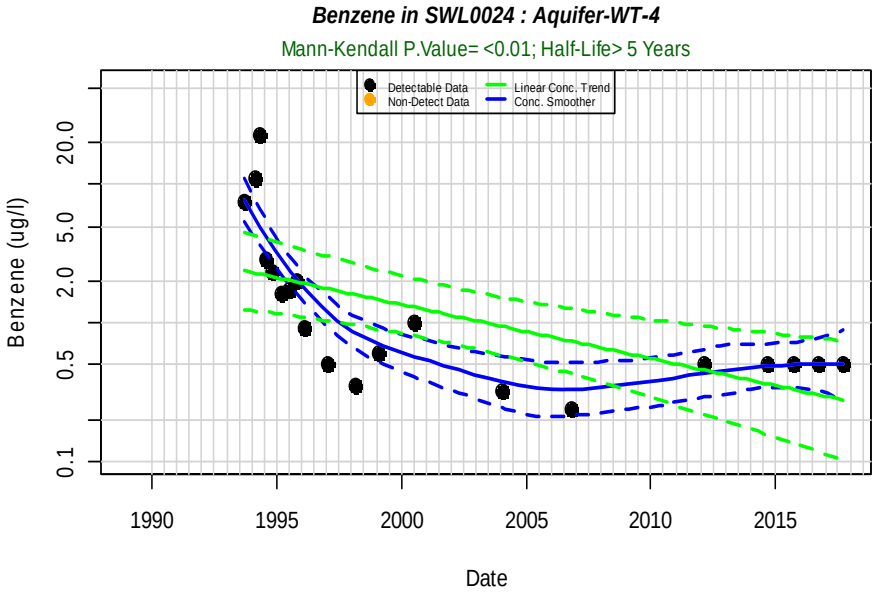


Figure H-17: GWSDAT Results for WT-4

Dual Site Groundwater Operable Unit | 2017 Baseline MACR







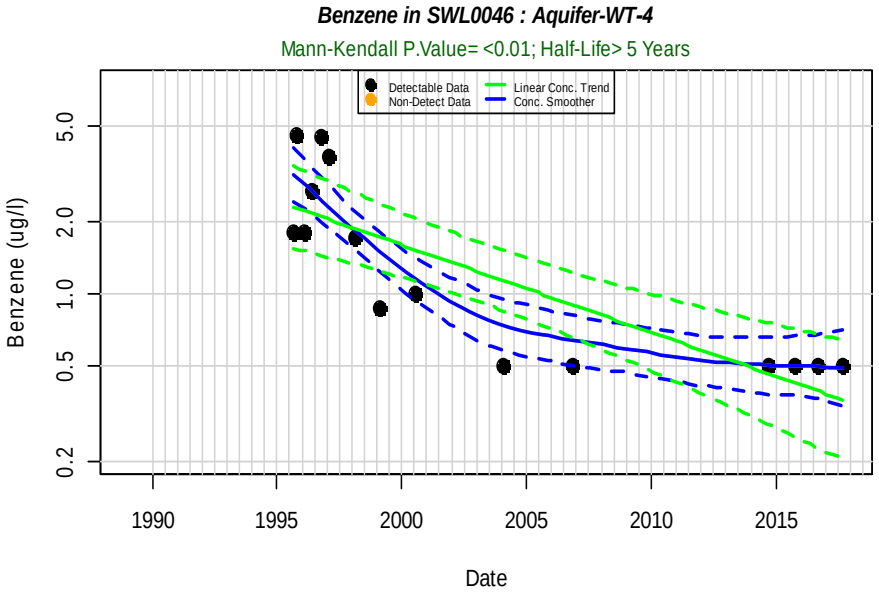


Figure H-17: GWSDAT Results for WT-4 (continued)

Dual Site Groundwater Operable Unit | 2017 Baseline MACR

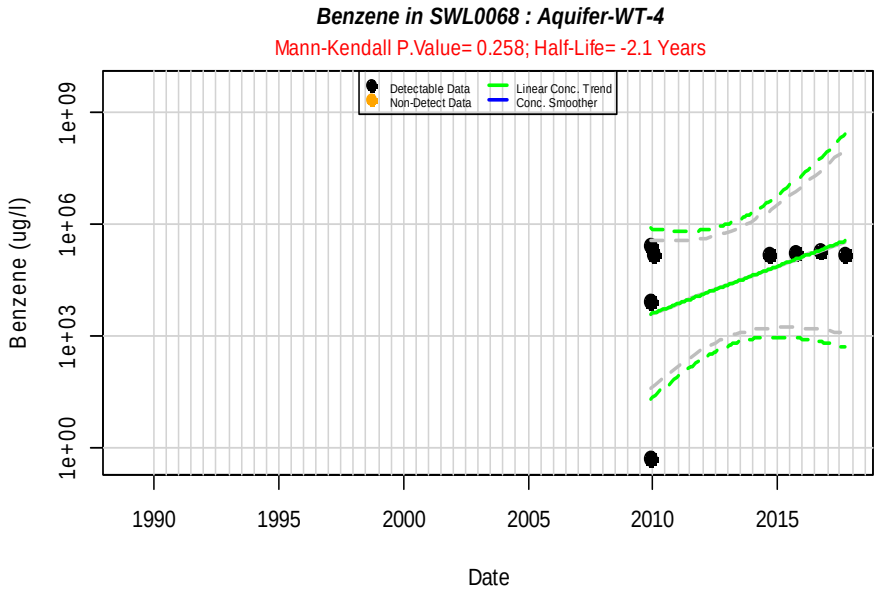
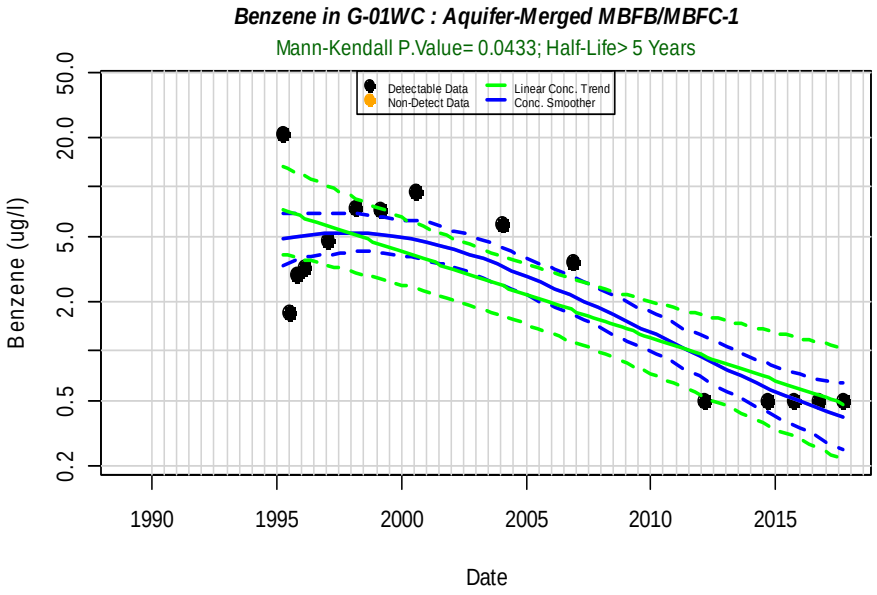
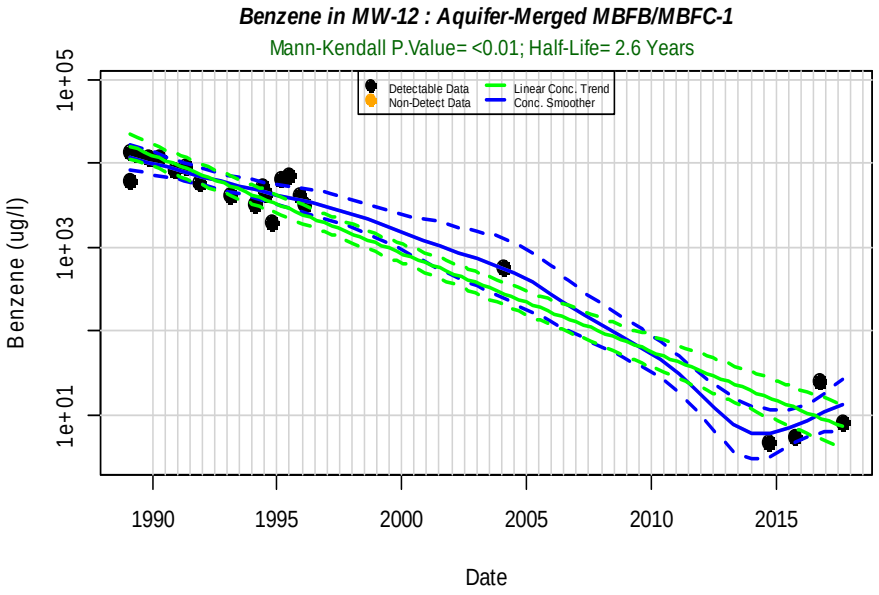
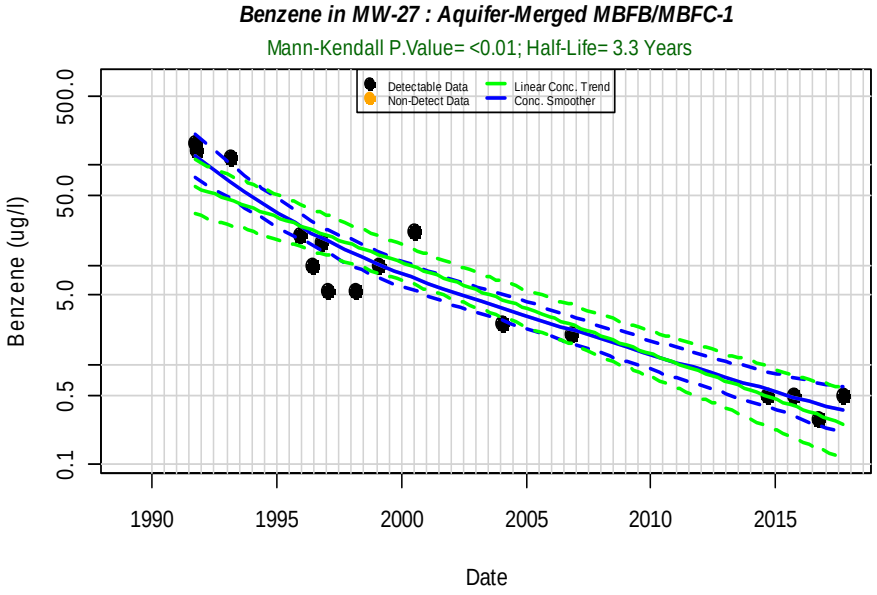


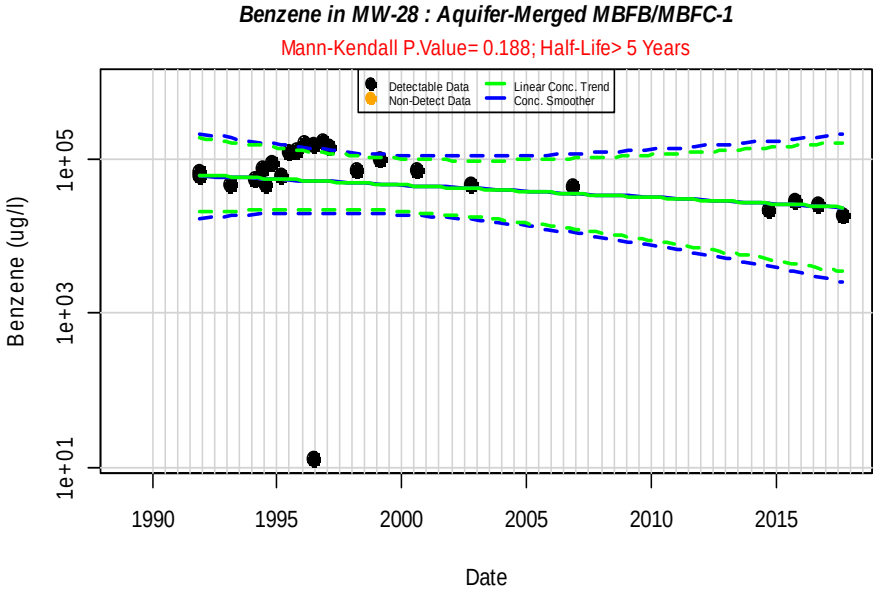
Figure H-17: GWSDAT Results for Merged MBFB/MBFC-1

Dual Site Groundwater Operable Unit | 2017 Baseline MACR





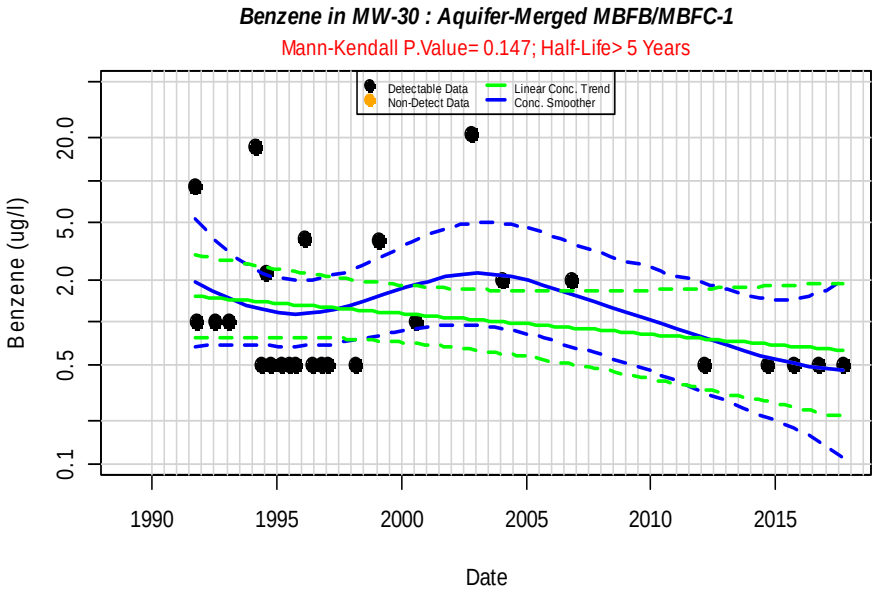


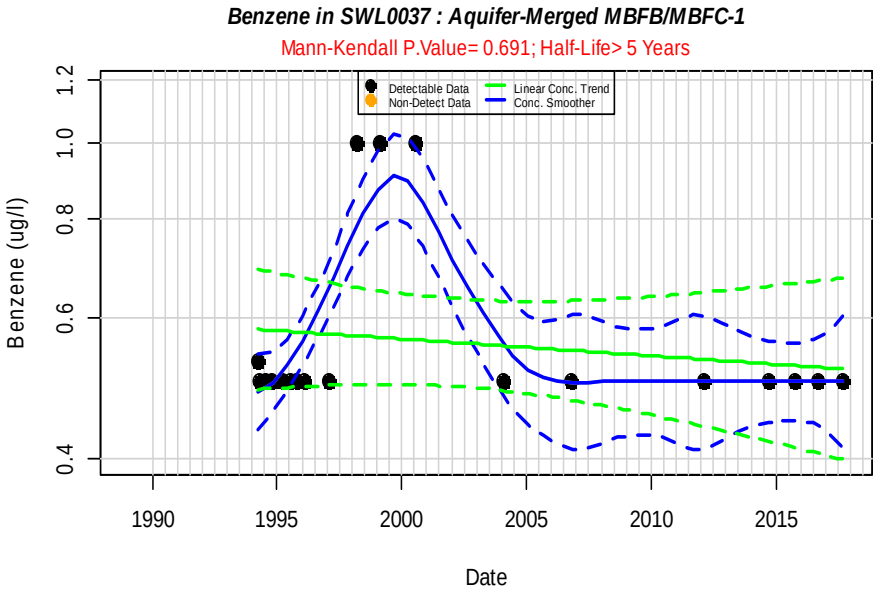


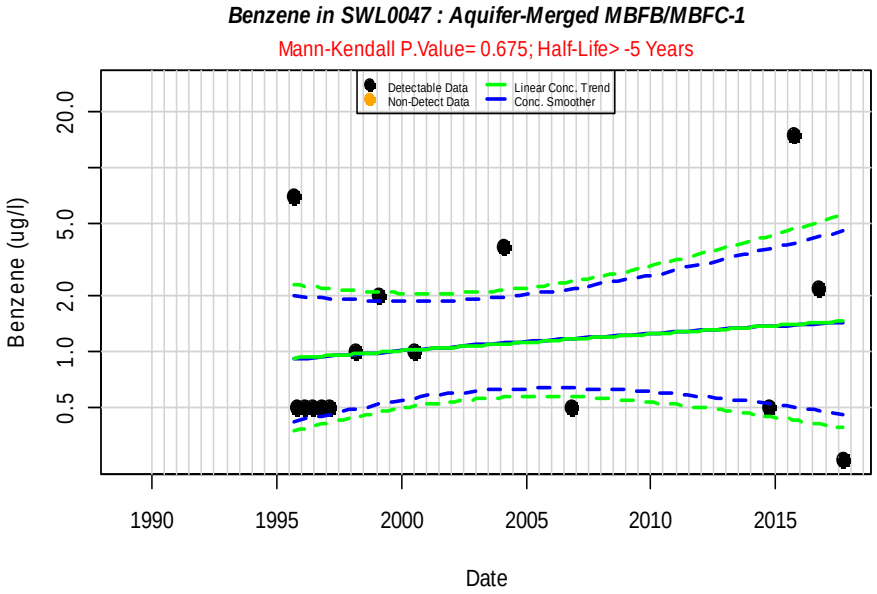
GWSDAT Mann-Kendall Analyses - Transect Wells.pdf

Figure H-17: GWSDAT Results for Merged MBFB/MBFC-1 (continued)

Dual Site Groundwater Operable Unit | 2017 Baseline MACR







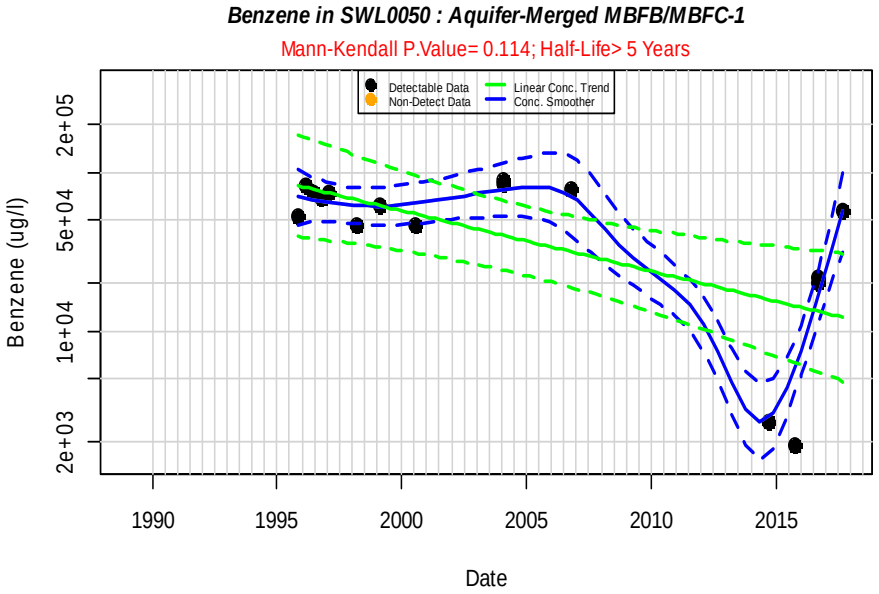


Figure H-17: GWSDAT Results for Merged MBFB/MBFC-1 (continued)

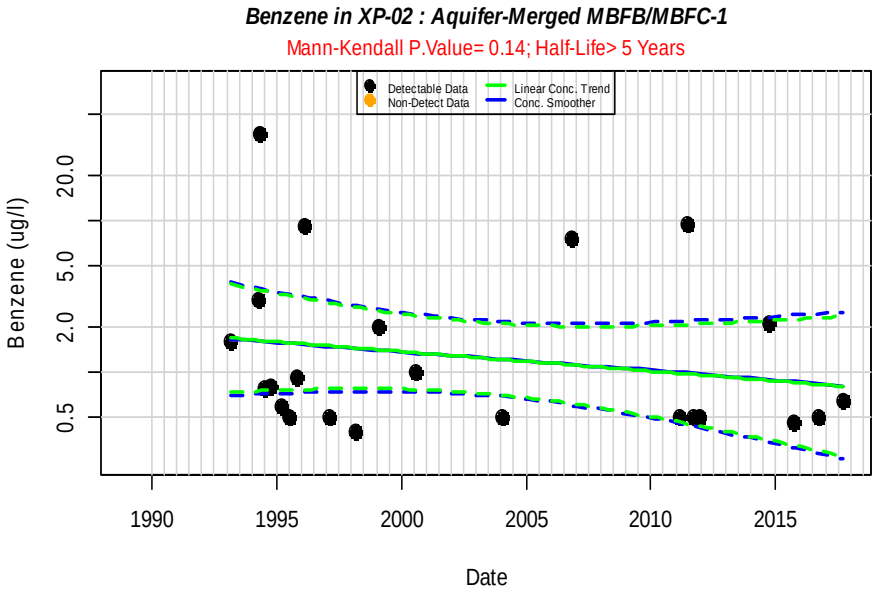
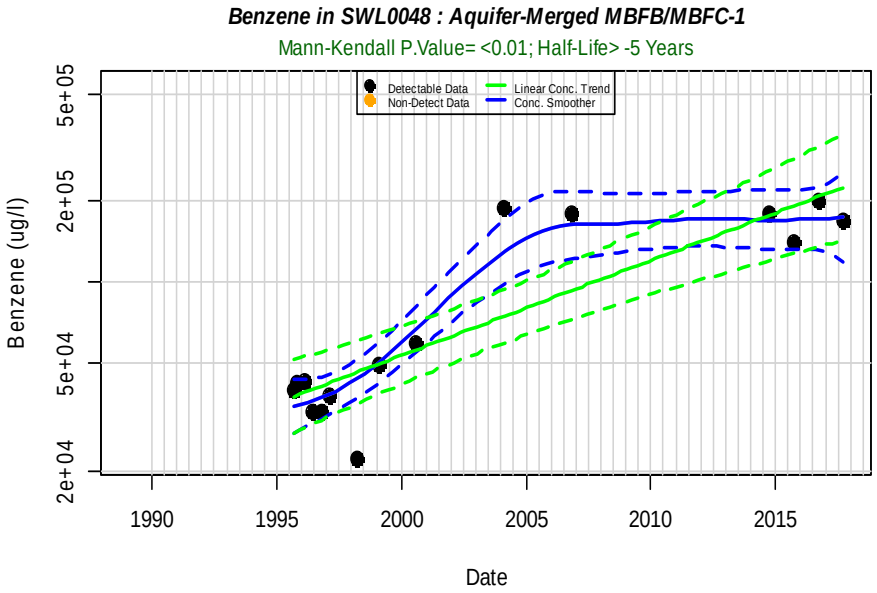
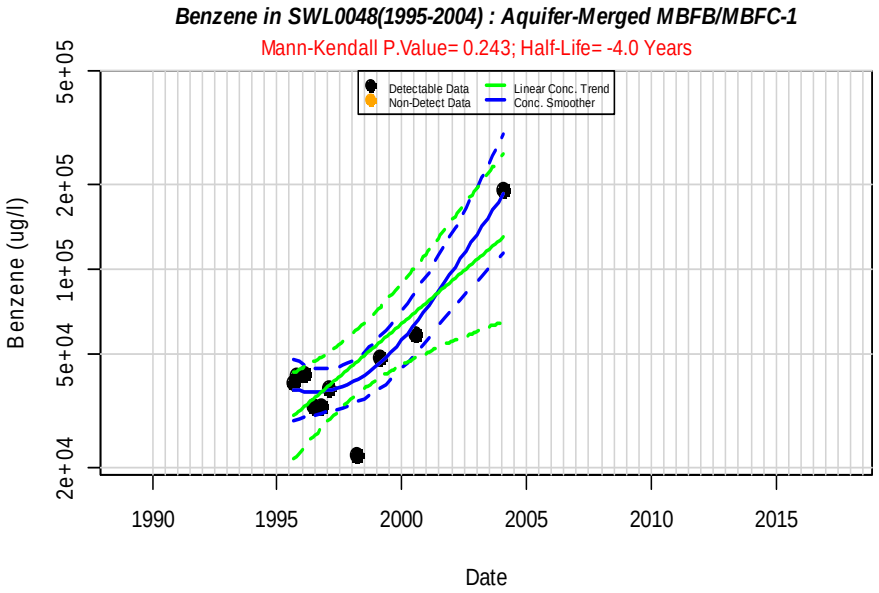


Figure H-18: GWSDAT Results for Merged MBFB/MBFC-1 (continued)

Dual Site Groundwater Operable Unit | 2017 Baseline MACR





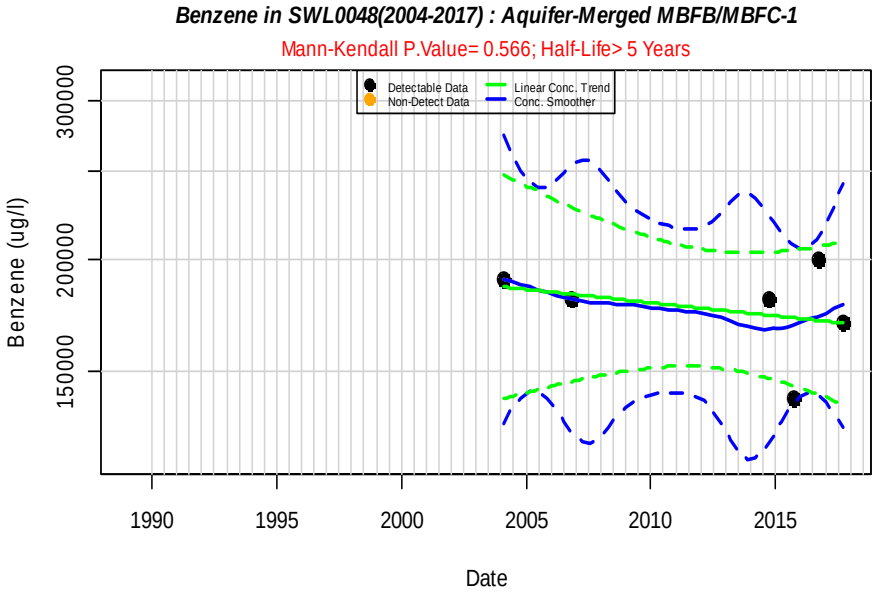


FIGURE H-19a: LINEAR REGRESSION ANALYSIS - TRANSECT WT-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0038

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0038	198309.00000	59754.00000	Benzene	3/28/94		ug/l	5	ND	5	1.609437912
SWL0038	198309.00000	59754.00000	Benzene	5/4/94		ug/l	5	ND	5	1.609437912
SWL0038	198309.00000	59754.00000	Benzene	7/22/94	0.89	ug/l		J	0.89	-0.116533816
SWL0038	198309.00000	59754.00000	Benzene	10/20/94		ug/l	5	ND	5	1.609437912
SWL0038	198309.00000	59754.00000	Benzene	3/17/95		ug/l	5	ND	5	1.609437912
SWL0038	198309.00000	59754.00000	Benzene	7/6/95		ug/l	0.5	ND	0.5	-0.693147181
SWL0038	198309.00000	59754.00000	Benzene	10/25/95		ug/l	3	ND	3	1.098612289
SWL0038	198309.00000	59754.00000	Benzene	2/6/96		ug/l	3	ND	3	1.098612289
SWL0038	198309.00000	59754.00000	Benzene	2/7/97		ug/l	0.5	ND	0.5	-0.693147181
SWL0038	198309.00000	59754.00000	Benzene	3/6/98	0.58	ug/l		J	0.58	-0.544727175
SWL0038	198309.00000	59754.00000	Benzene	2/10/99		ug/l	10	ND	10	2.302585093
SWL0038	198309.00000	59754.00000	Benzene	7/13/00		ug/l	1	ND	1	0
SWL0038	198309.00000	59754.00000	Benzene	9/8/14		ug/l	0.5	ND	0.5	-0.693147181
SWL0038	198309.00000	59754.00000	Benzene	10/2/15		ug/l	0.5	ND	0.5	-0.693147181
SWL0038	198309.00000	59754.00000	Benzene	9/14/16		ug/l	0.5	ND	0.5	-0.693147181
SWL0038	198309.00000	59754.00000	Benzene	9/12/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	0.9911424	2.694310707	0.69	1.68	5.35	0.30	1.36
1/1/95	0.8439721	2.325586063	0.61	1.46	4.30	0.23	1.26
1/1/97	0.6966001	2.00691787	0.56	1.25	3.50	0.14	1.15
1/1/99	0.5494298	1.732265033	0.52	1.07	2.90	0.03	1.03
1/1/01	0.4020579	1.494897869	0.50	0.90	2.47	-0.10	0.91
1/1/03	0.2548876	1.290316533	0.51	0.77	2.15	-0.26	0.77
1/1/05	0.1075156	1.113508267	0.54	0.65	1.92	-0.44	0.65
1/1/07	-0.039655	0.961121262	0.60	0.56	1.75	-0.64	0.53
1/1/09	-0.187027	0.829421653	0.67	0.48	1.61	-0.85	0.43
1/1/11	-0.334197	0.715912768	0.75	0.41	1.51	-1.08	0.34
1/1/13	-0.481569	0.617813354	0.83	0.35	1.42	-1.32	0.27
1/1/15	-0.628739	0.533263711	0.93	0.30	1.35	-1.56	0.21
1/1/17	-0.776111	0.460192159	1.02	0.25	1.28	-1.80	0.17
1/1/19	-0.923281	0.397213457	1.13	0.20	1.22	-2.05	0.13
1/1/21	-1.070653	0.34278447	1.23	0.16	1.17	-2.30	0.10
1/1/23	-1.217824	0.295873369	1.33	0.12	1.12	-2.55	0.08
1/1/25	-1.365196	0.255330714	1.44	0.07	1.08	-2.80	0.06
1/1/27	-1.512366	0.220387927	1.55	0.03	1.03	-3.06	0.05
1/1/29	-1.659738	0.19018882	1.65	-0.01	0.99	-3.31	0.04
1/1/31	-1.806908	0.164160899	1.76	-0.04	0.96	-3.57	0.03
1/1/33	-1.95428	0.141666416	1.87	-0.08	0.92	-3.83	0.02
1/1/35	-2.10145	0.122278934	1.98	-0.12	0.89	-4.08	0.02
1/1/37	-2.248822	0.105523413	2.09	-0.16	0.85	-4.34	0.01
1/1/39	-2.395993	0.091082212	2.20	-0.19	0.82	-4.60	0.01
1/1/41	-2.543365	0.078601485	2.31	-0.23	0.79	-4.86	0.01

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	7.840	INTERCEPT(y,x)
Observations, n	n	16.000	COUNT(x)
Std error in estimate, $S_{y,x}$	SYX	0.934	STEYX(y,x)
Average x	XAVG	36989.813	AVERAGE(x)
SSX	SSX	165533268.438	DEVSQ(x)
t(α,df)	t	2.145	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.600109937	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.596
R Square	0.355
Adjusted R Square	0.309
Standard Error	0.934
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	6.727908561	6.727908561	7.718558	0.014801
Residual	14	12.20315035	0.871653596		
Total	15	18.93105891			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	7.84	2.694307774	2.909690857	0.011421	2.060887	13.61831814	2.060887249	13.61832
Date	-2E-04	7.25654E-05	-2.778229235	0.014801	-0.00036	-4.5966E-05	-0.00035724	-4.6E-05

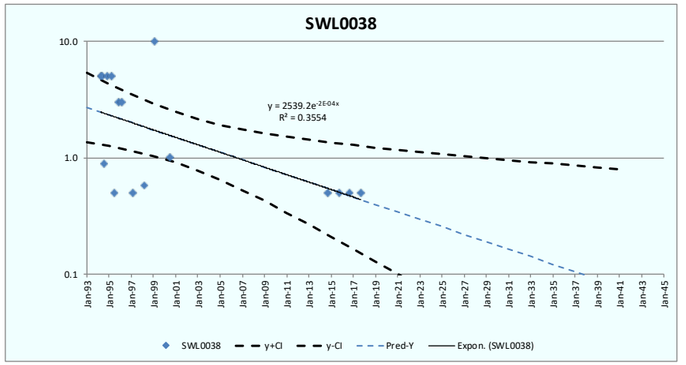


FIGURE H-19b: LINEAR REGRESSION ANALYSIS - TRANSECT WT-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0004

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0004	198208.30000	58263.50000	Benzene	3/2/93	1689000	ug/l			1689000	14.3396472
SWL0004	198208.30000	58263.50000	Benzene	3/2/93	840000	ug/l			840000	13.64115717
SWL0004	198208.30000	58263.50000	Benzene	2/14/94	1800000	ug/l			1800000	14.40329722
SWL0004	198208.30000	58263.50000	Benzene	5/6/94	1500000	ug/l			1500000	14.22097567
SWL0004	198208.30000	58263.50000	Benzene	7/25/94	1400000	ug/l		J	1400000	14.15198279
SWL0004	198208.30000	58263.50000	Benzene	10/25/94	900000	ug/l			900000	13.71015004
SWL0004	198208.30000	58263.50000	Benzene	3/21/95	2200000	ug/l			2200000	14.60396792
SWL0004	198208.30000	58263.50000	Benzene	7/10/95	1400000	ug/l			1400000	14.15198279
SWL0004	198208.30000	58263.50000	Benzene	10/20/95	1200000	ug/l			1200000	13.99783211
SWL0004	198208.30000	58263.50000	Benzene	2/15/96	1700000	ug/l			1700000	14.34613881
SWL0004	198208.30000	58263.50000	Benzene	6/13/96	920000	ug/l			920000	13.73212895
SWL0004	198208.30000	58263.50000	Benzene	2/12/97	870000	ug/l			870000	13.67624849
SWL0004	198208.30000	58263.50000	Benzene	3/12/98	870000	ug/l			870000	13.67624849
SWL0004	198208.30000	58263.50000	Benzene	2/10/99	950000	ug/l			950000	13.76421726
SWL0004	198208.30000	58263.50000	Benzene	7/28/00	820000	ug/l			820000	13.61705962
SWL0004	198208.30000	58263.50000	Benzene	1/15/04	610000	ug/l			610000	13.32121424
SWL0004	198208.30000	58263.50000	Benzene	10/23/06	610000	ug/l		J	610000	13.32121424
SWL0004	198208.30000	58263.50000	Benzene	9/12/14	46000	ug/l			46000	10.73639668
SWL0004	198208.30000	58263.50000	Benzene	10/1/15	49000	ug/l			49000	10.79957558
SWL0004	198208.30000	58263.50000	Benzene	9/19/16	80000	ug/l	250		80000	11.28978191
SWL0004	198208.30000	58263.50000	Benzene	9/14/17	72000	ug/l			72000	11.1844214

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	14.425064	1839609.671	0.25	14.67	2351160.07	14.18	1439359.14
1/1/95	14.148881	1395663.685	0.22	14.37	1735704.54	13.93	1122240.03
1/1/97	13.872319	1058452.967	0.20	14.07	1288477.38	13.68	869493.48
1/1/99	13.596136	803020.5489	0.18	13.78	964602.08	13.41	668505.71
1/1/01	13.319574	609000.2136	0.18	13.50	728999.48	13.14	508753.81
1/1/03	13.043391	462032.5146	0.19	13.23	556910.92	12.86	383318.12
1/1/05	12.766829	350399.3771	0.20	12.97	429281.67	12.56	286012.04
1/1/07	12.490646	265838.8317	0.23	12.72	333455.65	12.26	211933.08
1/1/09	12.214084	201608.6706	0.26	12.47	260310.90	11.96	156144.27
1/1/11	11.9379	152955.219	0.29	12.23	204036.35	11.65	114662.41
1/1/13	11.661339	115999.2247	0.32	11.98	160289.63	11.34	83946.91
1/1/15	11.385155	88005.57416	0.36	11.75	126195.27	11.02	61372.99
1/1/17	11.108594	66742.26897	0.40	11.51	99452.05	10.71	44790.74
1/1/19	10.83241	50635.61174	0.44	11.27	78478.28	10.39	32671.02
1/1/21	10.555849	38401.38139	0.48	11.03	61953.21	10.08	23802.90
1/1/23	10.279665	29134.12248	0.52	10.80	48951.25	9.76	17339.64
1/1/25	10.003104	22094.93498	0.56	10.56	38682.59	9.44	12620.31
1/1/27	9.7269203	16762.84858	0.60	10.33	30588.60	9.13	9186.20
1/1/29	9.4503586	12712.72371	0.64	10.09	24187.29	8.81	6681.75
1/1/31	9.1741753	9644.810576	0.69	9.86	19136.16	8.49	4861.08
1/1/33	8.8976136	7314.497381	0.73	9.62	15137.92	8.17	3534.29
1/1/35	8.6214302	5549.317623	0.77	9.39	11980.82	7.85	2570.35
1/1/37	8.3448686	4208.529437	0.81	9.16	9480.39	7.53	1868.25
1/1/39	8.0686852	3192.901078	0.85	8.92	7505.07	7.21	1358.36
1/1/41	7.7921235	2421.454147	0.90	8.69	5940.01	6.89	987.11

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	27.277	INTERCEPT(y,x)
Observations, n	n	21.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.393	STEYX(y,x)
Average x	XAVG	36769.333	AVERAGE(x)
SSX	SSX	190442750.667	DEVSQ(x)
t(α,df)	t	2.093	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.380749692	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.950055905
R Square	0.902606223
Adjusted R Square	0.897480235
Standard Error	0.393456297
Observations	21

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	27.25923838	27.25923838	176.0843	4.65524E-11
Residual	19	2.941349302	0.154807858		
Total	20	30.20058769			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*ower 95.0%*	*Upper 95.0%*
Intercept	27.27704817	1.051844957	25.93257494	2.71E-16	25.07551137	29.47858496	25.07551	29.47858
Date	-0.000378333	2.85111E-05	-13.26967719	4.66E-11	-0.000438008	-0.000318659	-0.00044	-0.00032

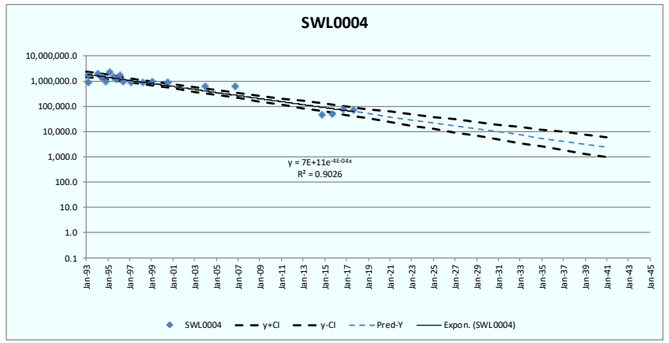


FIGURE H-19c: LINEAR REGRESSION ANALYSIS - TRANSECT WT-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

MW-21

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
MW-21	198500.30000	57797.70000	Benzene	4/5/90	230000	ug/l			230000	12.34583459
MW-21	198500.30000	57797.70000	Benzene	8/6/90	180000	ug/l			180000	12.10071213
MW-21	198500.30000	57797.70000	Benzene	2/15/94	4400	ug/l		J	4400	8.38935982
MW-21	198500.30000	57797.70000	Benzene	5/20/94	81000	ug/l			81000	11.30220443
MW-21	198500.30000	57797.70000	Benzene	7/28/94	5800	ug/l			5800	8.665613197
MW-21	198500.30000	57797.70000	Benzene	10/7/94	14000	ug/l			14000	9.546812609
MW-21	198500.30000	57797.70000	Benzene	3/10/95	43000	ug/l			43000	10.66895539
MW-21	198500.30000	57797.70000	Benzene	6/23/95	48000	ug/l			48000	10.77895629
MW-21	198500.30000	57797.70000	Benzene	10/12/95	4100	ug/l			4100	8.318742253
MW-21	198500.30000	57797.70000	Benzene	2/5/96	1500	ug/l			1500	7.313220387
MW-21	198500.30000	57797.70000	Benzene	6/11/96	17000	ug/l			17000	9.740968623
MW-21	198500.30000	57797.70000	Benzene	10/22/96	24000	ug/l			24000	10.08580911
MW-21	198500.30000	57797.70000	Benzene	1/22/97	740	ug/l			740	6.606650186
MW-21	198500.30000	57797.70000	Benzene	3/11/98	3300	ug/l			3300	8.101677747
MW-21	198500.30000	57797.70000	Benzene	2/11/99	4300	ug/l			4300	8.366370302
MW-21	198500.30000	57797.70000	Benzene	7/28/00	2200	ug/l			2200	7.696212639
MW-21	198500.30000	57797.70000	Benzene	1/28/04	1000	ug/l			1000	6.907755279
MW-21	198500.30000	57797.70000	Benzene	11/1/06	160	ug/l		J	160	5.075173815
MW-21	198500.30000	57797.70000	Benzene	2/21/12	0.66	ug/l			0.66	-0.415515444
MW-21	198500.30000	57797.70000	Benzene	9/5/14	0.91	ug/l			0.91	-0.094310679
MW-21	198500.30000	57797.70000	Benzene	9/30/15	0.82	ug/l			0.82	-0.198450939
MW-21	198500.30000	57797.70000	Benzene	9/15/16	0.65	ug/l	0.5		0.65	-0.430782916
MW-21	198500.30000	57797.70000	Benzene	9/13/17	0.86	ug/l			0.86	-0.15082289

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	10.644686	41968.99223	0.69	11.34	84050.55	9.95	20956.39
1/1/95	9.7016275	16344.18544	0.62	10.32	30379.93	9.08	8793.06
1/1/97	8.7572768	6356.776953	0.56	9.32	11144.64	8.20	3625.84
1/1/99	7.8142179	2475.550063	0.52	8.34	4183.40	7.29	1464.92
1/1/01	6.8698672	962.8206704	0.51	7.38	1610.05	6.36	575.77
1/1/03	5.9268083	374.9558603	0.53	6.46	637.98	5.40	220.37
1/1/05	4.9824576	145.8323377	0.57	5.56	258.97	4.41	82.12
1/1/07	4.0393987	56.792185	0.64	4.68	107.40	3.40	30.03
1/1/09	3.095048	22.08829887	0.72	3.81	45.16	2.38	10.80
1/1/11	2.1519891	8.601951908	0.80	2.96	19.21	1.35	3.85
1/1/13	1.2076384	3.345574476	0.90	2.11	8.23	0.31	1.36
1/1/15	0.2645796	1.302883075	1.00	1.27	3.54	-0.74	0.48
1/1/17	-0.679771	0.506732938	1.11	0.43	1.53	-1.79	0.17
1/1/19	-1.62283	0.197339432	1.21	-0.41	0.66	-2.84	0.06
1/1/21	-2.567181	0.076751623	1.32	-1.24	0.29	-3.89	0.02
1/1/23	-3.51024	0.029889752	1.44	-2.07	0.13	-4.95	0.01
1/1/25	-4.45459	0.011625081	1.55	-2.91	0.05	-6.00	0.00
1/1/27	-5.397649	0.004527211	1.66	-3.73	0.02	-7.06	0.00
1/1/29	-6.342	0.001760777	1.78	-4.56	0.01	-8.12	0.00
1/1/31	-7.285059	0.000685708	1.89	-5.39	0.00	-9.18	0.00
1/1/33	-8.22941	0.000266694	2.01	-6.22	0.00	-10.24	0.00
1/1/35	-9.172468	0.00010386	2.13	-7.05	0.00	-11.30	0.00
1/1/37	-10.11682	4.03944E-05	2.24	-7.87	0.00	-12.36	0.00
1/1/39	-11.05988	1.5731E-05	2.36	-8.70	0.00	-13.42	0.00
1/1/41	-12.00423	6.11829E-06	2.48	-9.52	0.00	-14.48	0.00

Derived values			
Slope, m	m	-0.001	SLOPE(y,x)
Intercept, b	b	54.529	INTERCEPT(y,x)
Observations, n	n	23.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	1.185	STEYX(y,x)
Average x	XAVG	36800.652	AVERAGE(x)
SSX	SSX	223097355.217	DEVSQ(x)
t(α,df)	t	2.080	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.324793743	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.962595138
R Square	0.9265894
Adjusted R Square	0.923093657
Standard Error	1.185193409
Observations	23

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	372.3285185	372.3285185	265.0622	2.19382E-13
Residual	21	29.49835177	1.404683418		
Total	22	401.8268703			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	54.52921995	2.930537435	18.60724224	1.58E-14	48.43483373	60.62360617	48.43483373	60.62360617
Date	-0.001291861	7.93491E-05	-16.28073185	2.19E-13	-0.001456877	-0.001126846	-0.001456877	-0.001126846

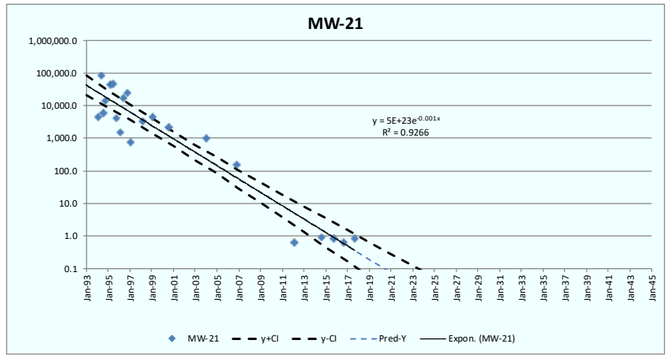


FIGURE H-19d: LINEAR REGRESSION ANALYSIS - TRANSECT WT-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

PZL0016

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
PZL0016	198018.00000	58798.00000	Benzene	4/30/93	4791	ug/l			4791	8.474494437
PZL0016	198018.00000	58798.00000	Benzene	3/30/94		ug/l	50	ND	50	3.912023005
PZL0016	198018.00000	58798.00000	Benzene	4/28/94		ug/l	100	ND	100	4.605170186
PZL0016	198018.00000	58798.00000	Benzene	7/19/94	83	ug/l		J	83	4.418840608
PZL0016	198018.00000	58798.00000	Benzene	10/26/94		ug/l	100	ND	100	4.605170186
PZL0016	198018.00000	58798.00000	Benzene	3/20/95	67	ug/l			67	4.204692619
PZL0016	198018.00000	58798.00000	Benzene	7/6/95	1200	ug/l			1200	7.090076836
PZL0016	198018.00000	58798.00000	Benzene	10/24/95		ug/l	30	ND	30	3.401197382
PZL0016	198018.00000	58798.00000	Benzene	2/13/96		ug/l	50	ND	50	3.912023005
PZL0016	198018.00000	58798.00000	Benzene	2/10/97		ug/l	50	ND	50	3.912023005
PZL0016	198018.00000	58798.00000	Benzene	3/18/98	7.6	ug/l		J	7.6	2.028148247
PZL0016	198018.00000	58798.00000	Benzene	2/19/99		ug/l	100	ND	100	4.605170186
PZL0016	198018.00000	58798.00000	Benzene	8/2/00		ug/l	50	ND	50	3.912023005
PZL0016	198018.00000	58798.00000	Benzene	2/3/04		ug/l	5	ND	5	1.609437912
PZL0016	198018.00000	58798.00000	Benzene	10/24/06		ug/l	30	ND	30	3.401197382
PZL0016	198018.00000	58798.00000	Benzene	9/10/14		ug/l	5	ND	5	1.609437912
PZL0016	198018.00000	58798.00000	Benzene	10/2/15		ug/l	5	ND	5	1.609437912
PZL0016	198018.00000	58798.00000	Benzene	9/15/16		ug/l	5	ND	5	1.609437912
PZL0016	198018.00000	58798.00000	Benzene	9/13/17	0.22	ug/l		J	0.22	-1.514127733

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	5.1550964	173.3125173	0.97	6.12	456.94	4.19	65.74
1/1/95	4.7679381	117.6763544	0.86	5.63	278.68	3.91	49.69
1/1/97	4.3802494	79.85794886	0.77	5.16	173.31	3.61	36.80
1/1/99	3.9930911	54.22223646	0.72	4.71	110.87	3.28	26.52
1/1/01	3.6054024	36.7964882	0.69	4.30	73.38	2.92	18.45
1/1/03	3.2182441	24.9842115	0.70	3.92	50.51	2.51	12.36
1/1/05	2.8305554	16.95487504	0.75	3.58	36.03	2.08	7.98
1/1/07	2.4433971	11.51208185	0.83	3.28	26.50	1.61	5.00
1/1/09	2.0557084	7.812370191	0.94	2.99	19.91	1.12	3.06
1/1/11	1.6685501	5.304471125	1.05	2.72	15.21	0.62	1.85
1/1/13	1.2808614	3.599739182	1.18	2.46	11.75	0.10	1.10
1/1/15	0.8937031	2.444163817	1.32	2.21	9.14	-0.43	0.65
1/1/17	0.5060144	1.658667199	1.46	1.97	7.16	-0.96	0.38
1/1/19	0.1188561	1.126207802	1.61	1.73	5.62	-1.49	0.23
1/1/21	-0.268833	0.76427117	1.76	1.49	4.43	-2.03	0.13
1/1/23	-0.655991	0.518927579	1.91	1.25	3.50	-2.57	0.08
1/1/25	-1.04368	0.352156491	2.06	1.02	2.77	-3.11	0.04
1/1/27	-1.430838	0.239108477	2.22	0.79	2.20	-3.65	0.03
1/1/29	-1.818527	0.162264651	2.38	0.56	1.75	-4.19	0.02
1/1/31	-2.205685	0.110175034	2.53	0.33	1.39	-4.74	0.01
1/1/33	-2.593374	0.074767376	2.69	0.10	1.10	-5.29	0.01
1/1/35	-2.980532	0.050765821	2.85	-0.13	0.88	-5.83	0.00
1/1/37	-3.368221	0.034450883	3.01	-0.36	0.70	-6.38	0.00
1/1/39	-3.755379	0.023391584	3.17	-0.58	0.56	-6.93	0.00
1/1/41	-4.143068	0.015874081	3.33	-0.81	0.44	-7.47	0.00

Derived values

Slope, m	m	-5.304E-04	SLOPE(y,x)
Intercept, b	b	23.171	INTERCEPT(y,x)
Observations, n	n	19.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	1.425	STEYX(y,x)
Average x	XAVG	37000.842	AVERAGE(x)
SSX	SSX	179057436.526	DEVSQ(x)
t(α,df)	t	2.110	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.451321772	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics

Multiple R	0.77
R Square	0.593
Adjusted R Square	0.569
Standard Error	1.425
Observations	19

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	50.36442142	50.36442142	24.7921	0.000114463
Residual	17	34.53499873	2.031470513		
Total	18	84.89942015			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	23.17	3.95467066	5.859202807	1.89E-05	14.82759167	31.51484319	14.82759167	31.51484319
Date	-5E-04	0.000106515	-4.979166662	0.000114	-0.00075508	-0.000305628	-0.00075508	-0.000305628

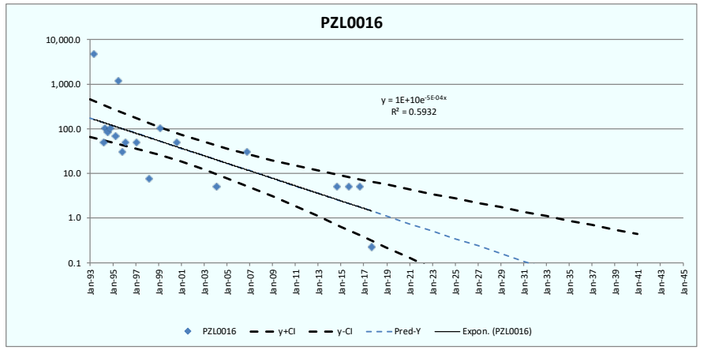


FIGURE H-19e: LINEAR REGRESSION ANALYSIS - TRANSECT WT-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

MW-27

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
MW-27	197861.00000	57935.00000	Benzene	9/24/91	170	ug/l			170	5.135798437
MW-27	197861.00000	57935.00000	Benzene	10/9/91	140	ug/l			140	4.941642423
MW-27	197861.00000	57935.00000	Benzene	2/23/93	120	ug/l			120	4.787491743
MW-27	197861.00000	57935.00000	Benzene	12/2/95	20	ug/l			20	2.995732274
MW-27	197861.00000	57935.00000	Benzene	6/6/96	10	ug/l		J	10	2.302585093
MW-27	197861.00000	57935.00000	Benzene	10/14/96	17	ug/l			17	2.833213344
MW-27	197861.00000	57935.00000	Benzene	1/16/97	5.6	ug/l		J	5.6	1.722766598
MW-27	197861.00000	57935.00000	Benzene	3/5/98	5.4	ug/l			5.4	1.686398954
MW-27	197861.00000	57935.00000	Benzene	2/1/99	10	ug/l			10	2.302585093
MW-27	197861.00000	57935.00000	Benzene	7/17/00	22	ug/l			22	3.091042453
MW-27	197861.00000	57935.00000	Benzene	1/21/04	2.6	ug/l			2.6	0.955511445
MW-27	197861.00000	57935.00000	Benzene	10/26/06		ug/l	2	ND	2	0.693147181
MW-27	197861.00000	57935.00000	Benzene	9/8/14		ug/l	0.5	ND	0.5	-0.693147181
MW-27	197861.00000	57935.00000	Benzene	9/30/15		ug/l	0.5	ND	0.5	-0.693147181
MW-27	197861.00000	57935.00000	Benzene	9/19/16	0.29	ug/l	0.5	J	0.29	-1.237874356
MW-27	197861.00000	57935.00000	Benzene	9/7/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	3.8353624	46.31020818	0.58	4.42	82.70	3.26	25.93
1/1/95	3.4143951	30.39855523	0.52	3.93	51.07	2.90	18.10
1/1/97	2.9928511	19.94245907	0.47	3.46	31.81	2.53	12.50
1/1/99	2.5718837	13.09046034	0.43	3.00	20.09	2.14	8.53
1/1/01	2.1503397	8.587775553	0.41	2.56	12.89	1.74	5.72
1/1/03	1.7293724	5.637115005	0.40	2.13	8.44	1.33	3.77
1/1/05	1.3078284	3.698134152	0.42	1.73	5.63	0.89	2.43
1/1/07	0.8868611	2.427497946	0.46	1.34	3.83	0.43	1.54
1/1/09	0.4653171	1.592519055	0.50	0.97	2.64	-0.04	0.96
1/1/11	0.0443497	1.04534789	0.56	0.61	1.83	-0.52	0.60
1/1/13	-0.377194	0.685782839	0.63	0.25	1.29	-1.01	0.37
1/1/15	-0.798162	0.450155772	0.70	-0.10	0.91	-1.50	0.22
1/1/17	-1.219706	0.295317096	0.78	-0.44	0.64	-2.00	0.14
1/1/19	-1.640673	0.193849551	0.85	-0.79	0.46	-2.50	0.08
1/1/21	-2.062217	0.127171726	0.94	-1.13	0.32	-3.00	0.05
1/1/23	-2.483184	0.083476989	1.02	-1.47	0.23	-3.50	0.03
1/1/25	-2.904728	0.05476367	1.10	-1.80	0.16	-4.01	0.02
1/1/27	-3.325696	0.035947505	1.19	-2.14	0.12	-4.51	0.01
1/1/29	-3.74724	0.023582754	1.27	-2.48	0.08	-5.02	0.01
1/1/31	-4.168207	0.015479992	1.36	-2.81	0.06	-5.52	0.00
1/1/33	-4.589751	0.010155387	1.44	-3.15	0.04	-6.03	0.00
1/1/35	-5.010718	0.006666113	1.53	-3.48	0.03	-6.54	0.00
1/1/37	-5.432262	0.004373191	1.62	-3.82	0.02	-7.05	0.00
1/1/39	-5.85323	0.002870613	1.70	-4.15	0.02	-7.56	0.00
1/1/41	-6.274774	0.001883217	1.79	-4.48	0.01	-8.07	0.00

Derived values

Slope, m	m	-0.001	SLOPE(y,x)
Intercept, b	b	23.425	INTERCEPT(y,x)
Observations, n	n	16.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.750	STEYX(y,x)
Average x	XAVG	37355.313	AVERAGE(x)
SSX	SSX	169729035.438	DEVSQ(x)
t(α,df)	t	2.145	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.600109937	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.937
R Square	0.878
Adjusted R Square	0.869
Standard Error	0.75
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	56.44262674	56.44262674	100.3838	9.12233E-08
Residual	14	7.87175574	0.562268267		
Total	15	64.31438248			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	23.42	2.158194657	10.8538681	3.35E-08	18.79589297	28.05362731	18.79589297	28.05362731
Date	-6E-04	5.75564E-05	-10.01917175	9.12E-08	-0.000700114	-0.000453221	-0.000700114	-0.000453221

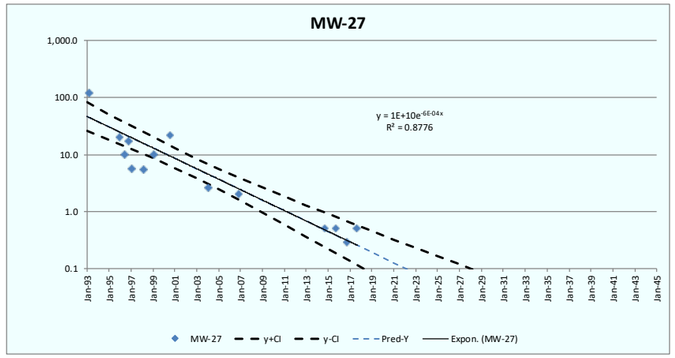


FIGURE H-20a: LINEAR REGRESSION ANALYSIS - TRANSECT WT-2
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

MW-28

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
MW-28	198369.60000	57549.80000	Benzene	11/19/91	68000	ug/l			68000	11.12726298
MW-28	198369.60000	57549.80000	Benzene	11/21/91	60000	ug/l			60000	11.00209984
MW-28	198369.60000	57549.80000	Benzene	2/22/93	45000	ug/l			45000	10.71441777
MW-28	198369.60000	57549.80000	Benzene	2/17/94	55000	ug/l			55000	10.91508846
MW-28	198369.60000	57549.80000	Benzene	5/24/94	74000	ug/l			74000	11.21182037
MW-28	198369.60000	57549.80000	Benzene	7/28/94	47000	ug/l			47000	10.75790288
MW-28	198369.60000	57549.80000	Benzene	10/7/94	88000	ug/l			88000	11.38509209
MW-28	198369.60000	57549.80000	Benzene	3/10/95	61000	ug/l			61000	11.01862914
MW-28	198369.60000	57549.80000	Benzene	6/26/95	120000	ug/l			120000	11.69524702
MW-28	198369.60000	57549.80000	Benzene	10/12/95	130000	ug/l			130000	11.77528973
MW-28	198369.60000	57549.80000	Benzene	2/5/96	160000	ug/l			160000	11.98292909
MW-28	198369.60000	57549.80000	Benzene	6/14/96	150000	ug/l			150000	11.91839057
MW-28	198369.60000	57549.80000	Benzene	10/22/96	170000	ug/l			170000	12.04355372
MW-28	198369.60000	57549.80000	Benzene	1/22/97	140000	ug/l			140000	11.8493977
MW-28	198369.60000	57549.80000	Benzene	3/11/98	72000	ug/l			72000	11.1844214
MW-28	198369.60000	57549.80000	Benzene	2/11/99	100000	ug/l			100000	11.51292546
MW-28	198369.60000	57549.80000	Benzene	7/31/00	69000	ug/l			69000	11.14186178
MW-28	198369.60000	57549.80000	Benzene	10/15/02	47000	ug/l			47000	10.75790288
MW-28	198369.60000	57549.80000	Benzene	11/2/06	44000	ug/l			44000	10.69194491
MW-28	198369.60000	57549.80000	Benzene	9/11/14	22000	ug/l			22000	9.998797732
MW-28	198369.60000	57549.80000	Benzene	10/2/15	28000	ug/l			28000	10.23995979
MW-28	198369.60000	57549.80000	Benzene	9/19/16	25000	ug/l	100		25000	10.1266311
MW-28	198369.60000	57549.80000	Benzene	9/12/17	18000	ug/l			18000	9.798127037

Regression line confidence interval							
x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	11.474817	96260.85429	0.26	11.73	124784.90	11.22	74257.00
1/1/95	11.362179	86006.53611	0.23	11.59	108352.57	11.13	68269.02
1/1/97	11.249386	76832.71696	0.21	11.46	94762.93	11.04	62295.10
1/1/99	11.136747	68648.00749	0.20	11.34	83705.12	10.94	56299.41
1/1/01	11.023955	61325.72206	0.20	11.22	74777.34	10.83	50293.90
1/1/03	10.911316	54792.91627	0.21	11.12	67581.18	10.70	44424.55
1/1/05	10.798523	48948.47319	0.23	11.03	61668.11	10.57	38852.38
1/1/07	10.685885	43734.17064	0.26	10.95	56695.73	10.43	33735.83
1/1/09	10.573092	39069.29991	0.29	10.87	52391.54	10.28	29134.67
1/1/11	10.460454	34907.38971	0.33	10.79	48595.19	10.13	25075.03
1/1/13	10.347661	31184.02059	0.37	10.72	45183.54	9.98	21522.06
1/1/15	10.235023	27862.10047	0.41	10.65	42091.05	9.82	18443.27
1/1/17	10.12223	24890.21155	0.46	10.58	39257.52	9.67	15780.99
1/1/19	10.009591	22238.74798	0.50	10.51	36653.58	9.51	13492.87
1/1/21	9.8967987	19866.66952	0.54	10.44	34244.18	9.35	11525.59
1/1/23	9.7841603	17750.34558	0.59	10.37	32014.21	9.19	9841.72
1/1/25	9.6713675	15857.019	0.64	10.31	29939.98	9.04	8398.30
1/1/27	9.5587291	14167.82853	0.68	10.24	28012.63	8.88	7165.60
1/1/29	9.4459363	12656.6283	0.73	10.17	26214.50	8.72	6110.75
1/1/31	9.3332979	11308.36379	0.77	10.11	24539.78	8.56	5211.09
1/1/33	9.2205051	10102.16611	0.82	10.04	22974.48	8.40	4442.05
1/1/35	9.1078667	9026.019154	0.87	9.98	21514.47	8.24	3786.71
1/1/37	8.995074	8063.265959	0.92	9.91	20148.23	8.08	3226.90
1/1/39	8.8824355	7204.315608	0.96	9.85	18872.68	7.92	2750.12
1/1/41	8.7696428	6435.872981	1.01	9.78	17678.09	7.76	2343.04

Derived values			
Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	16.716	INTERCEPT(y,x)
Observations, n	n	23.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.454	STEYX(y,x)
Average x	XAVG	36526.043	AVERAGE(x)
SSX	SSX	203463038.957	DEVSQ(x)
t(α,df)	t	2.080	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.324793743	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.726774993
R Square	0.52820189
Adjusted R Square	0.505735313
Standard Error	0.453915508
Observations	23

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	4.844099901	4.844099901	23.51056	8.57275E-05
Residual	21	4.326825065	0.206039289		
Total	22	9.170924965			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	16.71636214	1.166191716	14.33414585	2.57E-12	14.2911337	19.14159058	14.2911337	19.14159058
Date	-0.000154299	3.18224E-05	-4.848769336	8.57E-05	-0.000220477	-8.8121E-05	-0.000220477	-8.8121E-05

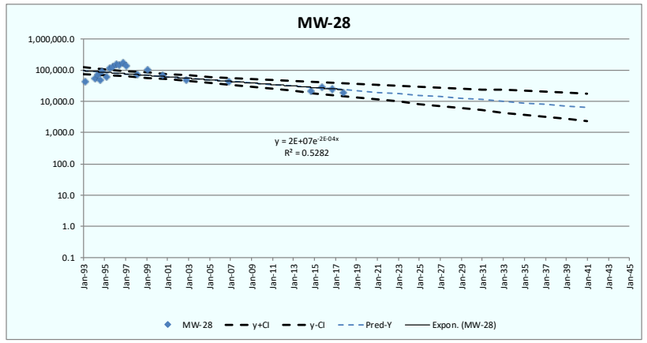


FIGURE H-20b: LINEAR REGRESSION ANALYSIS - TRANSECT WT-2
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0008

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0008	198858.00000	56459.00000	Benzene	4/19/93		ug/l	0.5	ND	0.5	-0.693147181
SWL0008	198858.00000	56459.00000	Benzene	4/23/93	100000	ug/l		J	100000	11.51292546
SWL0008	198858.00000	56459.00000	Benzene	4/23/93	228480	ug/l			228480	12.33920396
SWL0008	198858.00000	56459.00000	Benzene	2/15/94	99000	ug/l			99000	11.50287513
SWL0008	198858.00000	56459.00000	Benzene	5/5/94	100000	ug/l			100000	11.51292546
SWL0008	198858.00000	56459.00000	Benzene	7/25/94	100000	ug/l			100000	11.51292546
SWL0008	198858.00000	56459.00000	Benzene	10/24/94	91000	ug/l			91000	11.41861479
SWL0008	198858.00000	56459.00000	Benzene	3/20/95	55000	ug/l			55000	10.91508846
SWL0008	198858.00000	56459.00000	Benzene	7/10/95	25000	ug/l			25000	10.1266311
SWL0008	198858.00000	56459.00000	Benzene	7/10/95		ug/l	0.5	ND	0.5	-0.693147181
SWL0008	198858.00000	56459.00000	Benzene	10/23/95	12000	ug/l			12000	9.392661929
SWL0008	198858.00000	56459.00000	Benzene	2/15/96	11000	ug/l			11000	9.305650552
SWL0008	198858.00000	56459.00000	Benzene	6/12/96	24000	ug/l			24000	10.08580911
SWL0008	198858.00000	56459.00000	Benzene	10/22/96	23000	ug/l			23000	10.04324949
SWL0008	198858.00000	56459.00000	Benzene	2/6/97	2300	ug/l			2300	7.740664402
SWL0008	198858.00000	56459.00000	Benzene	3/17/98	25000	ug/l			25000	10.1266311
SWL0008	198858.00000	56459.00000	Benzene	2/10/99	1700	ug/l			1700	7.43838353
SWL0008	198858.00000	56459.00000	Benzene	7/24/00	9300	ug/l			9300	9.137769679
SWL0008	198858.00000	56459.00000	Benzene	1/20/04	49000	ug/l			49000	10.79957558
SWL0008	198858.00000	56459.00000	Benzene	10/30/06	21000	ug/l			21000	9.952277717
SWL0008	198858.00000	56459.00000	Benzene	2/18/11	810	ug/l			810	6.697034248
SWL0008	198858.00000	56459.00000	Benzene	6/8/11	340	ug/l			340	5.828945618
SWL0008	198858.00000	56459.00000	Benzene	9/7/11	140	ug/l			140	4.941642423
SWL0008	198858.00000	56459.00000	Benzene	12/8/11	52	ug/l			52	3.951243719
SWL0008	198858.00000	56459.00000	Benzene	9/9/14	12	ug/l			12	2.48490665
SWL0008	198858.00000	56459.00000	Benzene	9/30/15	3.9	ug/l			3.9	1.360976553
SWL0008	198858.00000	56459.00000	Benzene	9/14/16	2.5	ug/l	0.5		2.5	0.916290732
SWL0008	198858.00000	56459.00000	Benzene	9/11/17	56	ug/l			56	4.025351691

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	10.00123	22053.57274	1.88	11.88	144576.94	8.12	3364.02
1/1/95	9.4532821	12749.94287	1.67	11.12	67753.62	7.78	2399.30
1/1/97	8.9045836	7365.657731	1.50	10.40	32887.47	7.41	1649.65
1/1/99	8.3566358	4258.344732	1.37	9.73	16797.66	6.98	1079.53
1/1/01	7.8079374	2460.051006	1.31	9.12	9140.68	6.50	662.08
1/1/03	7.2599895	1422.241655	1.33	8.59	5354.57	5.93	377.77
1/1/05	6.7112911	821.6307591	1.41	8.12	3364.82	5.30	200.63
1/1/07	6.1633433	475.0135212	1.55	7.72	2245.26	4.61	100.50
1/1/09	5.6146448	274.4158973	1.74	7.36	1566.02	3.87	48.09
1/1/11	5.066697	158.6494422	1.96	7.03	1128.26	3.10	22.31
1/1/13	4.5179986	91.65197855	2.20	6.72	830.91	2.31	10.11
1/1/15	3.9700507	52.9872191	2.46	6.43	621.91	1.51	4.51
1/1/17	3.4213523	30.61078186	2.73	6.15	470.59	0.69	1.99
1/1/19	2.8734045	17.6971652	3.01	5.88	359.18	-0.14	0.87
1/1/21	2.324706	10.22367417	3.29	5.62	275.75	-0.97	0.38
1/1/23	1.7767582	5.910664145	3.58	5.36	212.77	-1.81	0.16
1/1/25	1.2280598	3.41459797	3.88	5.10	164.72	-2.65	0.07
1/1/27	0.6801119	1.97409869	4.17	4.85	127.93	-3.49	0.03
1/1/29	0.1314135	1.140439249	4.47	4.60	99.56	-4.34	0.01
1/1/31	-0.416534	0.659327876	4.77	4.35	77.65	-5.19	0.01
1/1/33	-0.965233	0.380894528	5.07	4.10	60.63	-6.04	0.00
1/1/35	-1.513181	0.220208468	5.37	3.86	47.42	-6.89	0.00
1/1/37	-2.061879	0.127214704	5.68	3.61	37.12	-7.74	0.00
1/1/39	-2.609827	0.073547276	5.98	3.37	29.09	-8.59	0.00
1/1/41	-3.158525	0.042488352	6.29	3.13	22.81	-9.44	0.00

Derived values

Slope, m	m	-0.001	SLOPE(y,x)
Intercept, b	b	35.500	INTERCEPT(y,x)
Observations, n	n	28.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	3.369	STEYX(y,x)
Average x	XAVG	37126.964	AVERAGE(x)
SSX	SSX	262179338.964	DEVSQ(x)
t(α,df)	t	2.056	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.225201273	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.578
R Square	0.334
Adjusted R Square	0.308
Standard Error	3.369
Observations	28

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	147.7172321	147.7172321	13.01487	0.00128921
Residual	26	295.0969207	11.34988156		
Total	27	442.8141528			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	35.5	7.750968403	4.580017274	0.000102	19.56722545	51.43191291	19.56722545	51.43191291
Date	-8E-04	0.000208064	-3.607612773	0.001289	-0.001178295	-0.000322932	-0.001178295	-0.000322932

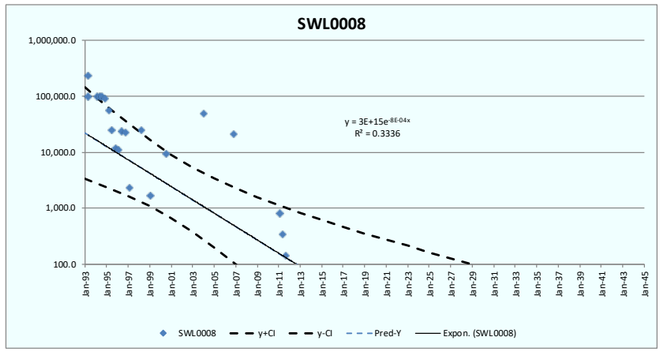


FIGURE H-20c: LINEAR REGRESSION ANALYSIS - TRANSECT WT-2
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0006

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0006	198960.00000	56017.00000	Benzene	3/15/93	10.6	ug/l			10.6	2.360854001
SWL0006	198960.00000	56017.00000	Benzene	3/15/93	18	ug/l			18	2.890371758
SWL0006	198960.00000	56017.00000	Benzene	2/22/94		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	5/2/94		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	7/22/94	0.69	ug/l			0.69	-0.371063681
SWL0006	198960.00000	56017.00000	Benzene	10/17/94		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	3/16/95		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	6/28/95	0.58	ug/l			0.58	-0.544727175
SWL0006	198960.00000	56017.00000	Benzene	10/19/95		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	2/1/96		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	6/4/96		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	10/11/96		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	1/28/97		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	3/4/98	0.11	ug/l		J	0.11	-2.207274913
SWL0006	198960.00000	56017.00000	Benzene	2/11/99		ug/l	1	ND	1	0
SWL0006	198960.00000	56017.00000	Benzene	7/19/00		ug/l	1	ND	1	0
SWL0006	198960.00000	56017.00000	Benzene	2/2/04		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	11/7/06		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	2/21/12		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	9/8/14		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	10/1/15		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	9/12/16		ug/l	0.5	ND	0.5	-0.693147181
SWL0006	198960.00000	56017.00000	Benzene	9/7/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	-0.125678	0.881899092	0.61	0.49	1.63	-0.74	0.48
1/1/95	-0.191716	0.82554156	0.54	0.35	1.42	-0.74	0.48
1/1/97	-0.257844	0.772715636	0.49	0.23	1.26	-0.75	0.47
1/1/99	-0.323882	0.723335444	0.45	0.13	1.14	-0.78	0.46
1/1/01	-0.390011	0.67704963	0.44	0.05	1.05	-0.83	0.44
1/1/03	-0.456049	0.633782949	0.45	0.00	1.00	-0.91	0.40
1/1/05	-0.522177	0.593227547	0.49	-0.03	0.97	-1.01	0.36
1/1/07	-0.588215	0.555317495	0.55	-0.04	0.96	-1.13	0.32
1/1/09	-0.654344	0.519783052	0.61	-0.04	0.96	-1.27	0.28
1/1/11	-0.720382	0.486566451	0.69	-0.03	0.97	-1.41	0.24
1/1/13	-0.78651	0.455431347	0.78	-0.01	0.99	-1.56	0.21
1/1/15	-0.852548	0.426327125	0.87	0.02	1.02	-1.72	0.18
1/1/17	-0.918677	0.3990467	0.96	0.04	1.04	-1.88	0.15
1/1/19	-0.984715	0.373545725	1.06	0.07	1.07	-2.04	0.13
1/1/21	-1.050843	0.349642751	1.15	0.10	1.11	-2.21	0.11
1/1/23	-1.116881	0.327298922	1.25	0.14	1.15	-2.37	0.09
1/1/25	-1.18301	0.306355254	1.35	0.17	1.19	-2.54	0.08
1/1/27	-1.249048	0.286777702	1.46	0.21	1.23	-2.70	0.07
1/1/29	-1.315176	0.268426963	1.56	0.24	1.27	-2.87	0.06
1/1/31	-1.381214	0.251273208	1.66	0.28	1.32	-3.04	0.05
1/1/33	-1.447343	0.235194382	1.76	0.32	1.37	-3.21	0.04
1/1/35	-1.513381	0.220164346	1.87	0.35	1.42	-3.38	0.03
1/1/37	-1.579509	0.206076157	1.97	0.39	1.48	-3.55	0.03
1/1/39	-1.645548	0.192906914	2.07	0.43	1.54	-3.72	0.02
1/1/41	-1.711676	0.180562913	2.18	0.47	1.60	-3.89	0.02

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	2.947	INTERCEPT(y,x)
Observations, n	n	23.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	1.017	STEYX(y,x)
Average x	XAVG	36888.130	AVERAGE(x)
SSX	SSX	209681552.609	DEVSQ(x)
t(α,df)	t	2.080	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.324793743	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.271
R Square	0.073
Adjusted R Square	0.029
Standard Error	1.017
Observations	23

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.715942678	1.715942678	1.659561	0.211676558
Residual	21	21.71344988	1.033973804		
Total	22	23.42939256			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	2.947	2.599029943	1.134020226	0.269566	-2.457626128	8.352331177	-2.457626128	8.352331177
Date	-9E-05	7.02222E-05	-1.288239526	0.211677	-0.000236498	5.55721E-05	-0.000236498	5.55721E-05

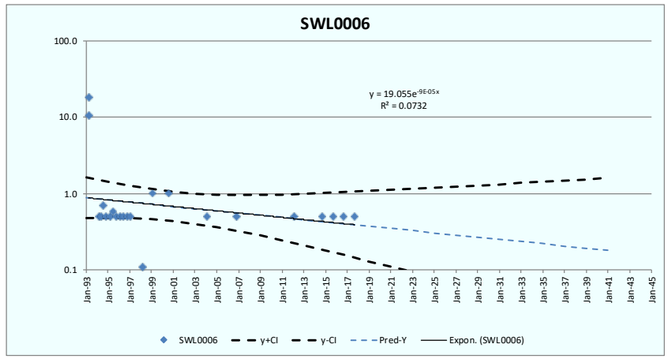


FIGURE H-20d: LINEAR REGRESSION ANALYSIS - TRANSECT WT-2
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

MW-12

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
MW-12	197806.00000	57208.00000	Benzene	2/2/89	14000	ug/l			14000	9.546812609
MW-12	197806.00000	57208.00000	Benzene	2/7/89	6200	ug/l			6200	8.732304571
MW-12	197806.00000	57208.00000	Benzene	5/16/89	13000	ug/l			13000	9.472704636
MW-12	197806.00000	57208.00000	Benzene	10/25/89	12000	ug/l			12000	9.392661929
MW-12	197806.00000	57208.00000	Benzene	2/24/90	11000	ug/l			11000	9.305650552
MW-12	197806.00000	57208.00000	Benzene	4/18/90	12000	ug/l			12000	9.392661929
MW-12	197806.00000	57208.00000	Benzene	11/28/90	8300	ug/l			8300	9.024010794
MW-12	197806.00000	57208.00000	Benzene	4/23/91	9400	ug/l			9400	9.148464968
MW-12	197806.00000	57208.00000	Benzene	11/21/91	5800	ug/l			5800	8.665613197
MW-12	197806.00000	57208.00000	Benzene	2/23/93	4200	ug/l			4200	8.342839804
MW-12	197806.00000	57208.00000	Benzene	2/14/94	3300	ug/l			3300	8.101677747
MW-12	197806.00000	57208.00000	Benzene	5/23/94	5300	ug/l			5300	8.5754621
MW-12	197806.00000	57208.00000	Benzene	7/27/94	4300	ug/l			4300	8.366370302
MW-12	197806.00000	57208.00000	Benzene	10/6/94	2000	ug/l			2000	7.60090246
MW-12	197806.00000	57208.00000	Benzene	3/9/95	6500	ug/l			6500	8.779557456
MW-12	197806.00000	57208.00000	Benzene	6/23/95	7200	ug/l			7200	8.881836305
MW-12	197806.00000	57208.00000	Benzene	12/2/95	4100	ug/l			4100	8.318742253
MW-12	197806.00000	57208.00000	Benzene	2/5/96	3300	ug/l			3300	8.101677747
MW-12	197806.00000	57208.00000	Benzene	1/21/04	580	ug/l			580	6.363028104
MW-12	197806.00000	57208.00000	Benzene	9/9/14	4.7	ug/l			4.7	1.547562509
MW-12	197806.00000	57208.00000	Benzene	9/28/15	5.3	ug/l			5.3	1.667706821
MW-12	197806.00000	57208.00000	Benzene	9/21/16		ug/l	25	ND	25	3.218875825
MW-12	197806.00000	57208.00000	Benzene	9/12/17	8	ug/l			8	2.079441542

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	8.6240683	5563.976291	0.27	8.90	7320.90	8.35	4228.69
1/1/95	8.0853369	3246.513562	0.26	8.34	4199.19	7.83	2509.97
1/1/97	7.5458676	1892.904345	0.25	7.80	2432.39	7.30	1473.07
1/1/99	7.0071363	1104.487026	0.26	7.26	1426.17	6.75	855.36
1/1/01	6.4676669	643.9795341	0.27	6.74	844.64	6.20	490.99
1/1/03	5.9289356	375.7543494	0.30	6.22	505.16	5.63	279.50
1/1/05	5.3894663	219.0864221	0.33	5.72	304.04	5.06	157.87
1/1/07	4.8507349	127.8343047	0.36	5.22	184.08	4.49	88.78
1/1/09	4.3112656	74.53476051	0.41	4.72	111.79	3.91	49.70
1/1/11	3.7725343	43.49014054	0.45	4.22	68.12	3.32	27.76
1/1/13	3.2330649	25.35725615	0.49	3.73	41.57	2.74	15.47
1/1/15	2.6943336	14.79565543	0.54	3.24	25.42	2.15	8.61
1/1/17	2.1548643	8.626719065	0.59	2.74	15.55	1.57	4.78
1/1/19	1.6161329	5.033587309	0.64	2.25	9.53	0.98	2.66
1/1/21	1.0766636	2.934871241	0.69	1.77	5.84	0.39	1.47
1/1/23	0.5379322	1.712462237	0.74	1.28	3.58	-0.20	0.82
1/1/25	-0.001537	0.99846409	0.79	0.79	2.20	-0.79	0.45
1/1/27	-0.540268	0.582591845	0.84	0.30	1.35	-1.38	0.25
1/1/29	-1.079738	0.339684592	0.89	-0.19	0.83	-1.97	0.14
1/1/31	-1.618469	0.198201893	0.94	-0.67	0.51	-2.56	0.08
1/1/33	-2.157938	0.115563116	1.00	-1.16	0.31	-3.15	0.04
1/1/35	-2.69667	0.067429695	1.05	-1.65	0.19	-3.74	0.02
1/1/37	-3.236139	0.039315395	1.10	-2.14	0.12	-4.34	0.01
1/1/39	-3.77487	0.022940062	1.15	-2.62	0.07	-4.93	0.01
1/1/41	-4.31434	0.013375377	1.20	-3.11	0.04	-5.52	0.00

Derived values

Slope, m	m	-0.001	SLOPE(y,x)
Intercept, b	b	33.694	INTERCEPT(y,x)
Observations, n	n	23.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.578	STEYX(y,x)
Average x	XAVG	35485.696	AVERAGE(x)
SSX	SSX	267009688.870	DEVSQ(x)
t(α,df)	t	2.080	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.324793743	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.977
R Square	0.954
Adjusted R Square	0.952
Standard Error	0.578
Observations	23

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	145.420551	145.420551	434.9586	1.62024E-15
Residual	21	7.020970105	0.33433191		
Total	22	152.4415211			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	33.69	1.261454169	26.71006703	1.08E-17	31.07018786	36.31686297	31.07018786	36.31686297
Date	-7E-04	3.53855E-05	-20.85566193	1.62E-15	-0.000811576	-0.0006644	-0.000811576	-0.0006644

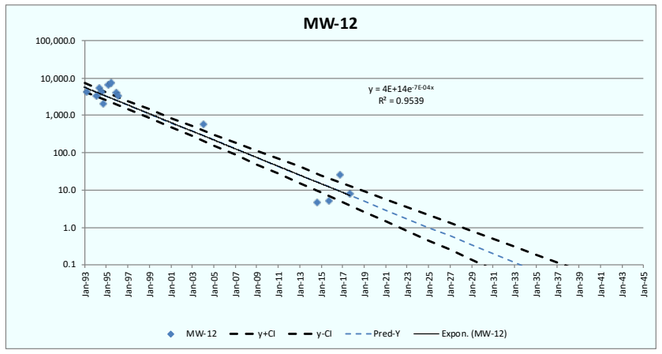


FIGURE H-20e: LINEAR REGRESSION ANALYSIS - TRANSECT WT-2
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

MW-30

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
MW-30	198216.00000	56157.00000	Benzene	10/3/91	9	ug/l			9	2.197224577
MW-30	198216.00000	56157.00000	Benzene	10/17/91		ug/l	1	ND	1	0
MW-30	198216.00000	56157.00000	Benzene	7/22/92		ug/l	1	ND	1	0
MW-30	198216.00000	56157.00000	Benzene	1/26/93		ug/l	1	ND	1	0
MW-30	198216.00000	56157.00000	Benzene	2/17/94	17	ug/l			17	2.833213344
MW-30	198216.00000	56157.00000	Benzene	5/19/94		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	7/26/94	2.2	ug/l			2.2	0.78845736
MW-30	198216.00000	56157.00000	Benzene	10/5/94		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	3/8/95		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	6/22/95		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	10/10/95		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	2/16/96	3.9	ug/l			3.9	1.360976553
MW-30	198216.00000	56157.00000	Benzene	6/6/96		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	10/14/96		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	1/16/97		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	3/5/98	0.5	ug/l		J	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	2/10/99	3.8	ug/l			3.8	1.335001067
MW-30	198216.00000	56157.00000	Benzene	8/7/00		ug/l	1	ND	1	0
MW-30	198216.00000	56157.00000	Benzene	10/15/02	21	ug/l			21	3.044522438
MW-30	198216.00000	56157.00000	Benzene	1/20/04		ug/l	2	ND	2	0.693147181
MW-30	198216.00000	56157.00000	Benzene	10/26/06		ug/l	2	ND	2	0.693147181
MW-30	198216.00000	56157.00000	Benzene	2/16/12		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	9/5/14		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	9/28/15		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	9/21/16		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	9/13/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	0.3715892	1.450037173	0.62	1.00	2.70	-0.25	0.78
1/1/95	0.3041555	1.355479784	0.55	0.86	2.36	-0.25	0.78
1/1/97	0.2366294	1.266971471	0.50	0.74	2.09	-0.27	0.77
1/1/99	0.1691957	1.184351855	0.47	0.64	1.90	-0.30	0.74
1/1/01	0.1016696	1.107017626	0.47	0.57	1.77	-0.36	0.69
1/1/03	0.0342359	1.034828651	0.49	0.52	1.69	-0.46	0.63
1/1/05	-0.03329	0.967257789	0.54	0.50	1.65	-0.57	0.57
1/1/07	-0.100724	0.904182598	0.60	0.50	1.65	-0.70	0.50
1/1/09	-0.16825	0.845142487	0.68	0.51	1.66	-0.85	0.43
1/1/11	-0.235684	0.790030475	0.76	0.53	1.70	-1.00	0.37
1/1/13	-0.30321	0.738444117	0.86	0.55	1.74	-1.16	0.31
1/1/15	-0.370644	0.69028994	0.95	0.58	1.79	-1.32	0.27
1/1/17	-0.43817	0.645216307	1.05	0.62	1.85	-1.49	0.22
1/1/19	-0.505603	0.603141545	1.16	0.65	1.92	-1.66	0.19
1/1/21	-0.573129	0.563758412	1.26	0.69	1.99	-1.84	0.16
1/1/23	-0.640563	0.526995545	1.37	0.73	2.07	-2.01	0.13
1/1/25	-0.708089	0.492584492	1.48	0.77	2.15	-2.18	0.11
1/1/27	-0.775523	0.460462899	1.58	0.81	2.24	-2.36	0.09
1/1/29	-0.843049	0.430396206	1.69	0.85	2.34	-2.54	0.08
1/1/31	-0.910483	0.402329932	1.80	0.89	2.44	-2.71	0.07
1/1/33	-0.978009	0.376059128	1.91	0.93	2.54	-2.89	0.06
1/1/35	-1.045443	0.351536191	2.02	0.98	2.66	-3.07	0.05
1/1/37	-1.112969	0.32858205	2.13	1.02	2.77	-3.25	0.04
1/1/39	-1.180402	0.307155109	2.24	1.06	2.90	-3.42	0.03
1/1/41	-1.247929	0.287098904	2.35	1.11	3.03	-3.60	0.03

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	3.510	INTERCEPT(y,x)
Observations, n	n	26.000	COUNT(x)
Std error in estimate, $S_{y,x}$	SYX	1.149	STEYX(y,x)
Average x	XAVG	36642.923	AVERAGE(x)
SSX	SSX	232919909.846	DEVSQ(x)
t(α,df)	t	2.064	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.259677273	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics

Multiple R	0.242985037
R Square	0.059041728
Adjusted R Square	0.019835134
Standard Error	1.14883478
Observations	26

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.98753639	1.98753639	1.505913	0.231665738
Residual	24	31.67571245	1.319821352		
Total	25	33.66324884			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	3.5095664	2.76750468	1.268133863	0.216915	-2.202282528	9.221415327	-2.202282528	9.221415327
Date	-9.2375E-05	7.52756E-05	-1.227156549	0.231666	-0.000247736	6.29863E-05	-0.000247736	6.29863E-05

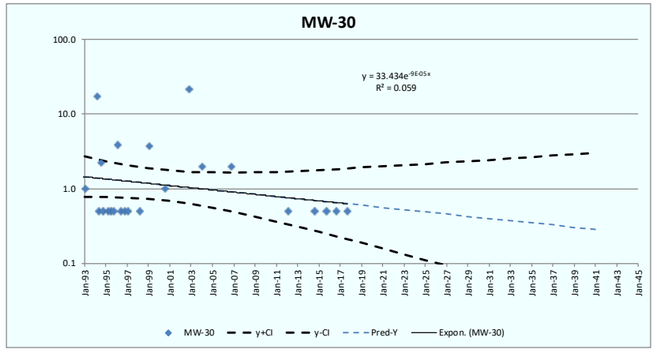


FIGURE H-21a: LINEAR REGRESSION ANALYSIS - TRANSECT WT-3
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

PZL0012

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
PZL0012	200641.00000	57196.00000	Benzene	4/28/93		ug/l	0.5	ND	0.5	-0.693147181
PZL0012	200641.00000	57196.00000	Benzene	5/26/93	27	ug/l			27	3.295836866
PZL0012	200641.00000	57196.00000	Benzene	3/21/94	11	ug/l			11	2.397895273
PZL0012	200641.00000	57196.00000	Benzene	4/27/94	5.3	ug/l			5.3	1.667706821
PZL0012	200641.00000	57196.00000	Benzene	7/18/94		ug/l	0.5	ND	0.5	-0.693147181
PZL0012	200641.00000	57196.00000	Benzene	10/12/94		ug/l	0.5	ND	0.5	-0.693147181
PZL0012	200641.00000	57196.00000	Benzene	3/16/95	24	ug/l			24	3.17805383
PZL0012	200641.00000	57196.00000	Benzene	6/27/95	1.2	ug/l			1.2	0.182321557
PZL0012	200641.00000	57196.00000	Benzene	10/17/95	2.7	ug/l			2.7	0.993251773
PZL0012	200641.00000	57196.00000	Benzene	2/8/96	4.6	ug/l			4.6	1.526056303
PZL0012	200641.00000	57196.00000	Benzene	1/29/97	21	ug/l			21	3.044522438
PZL0012	200641.00000	57196.00000	Benzene	1/15/04		ug/l	0.5	ND	0.5	-0.693147181
PZL0012	200641.00000	57196.00000	Benzene	11/8/06		ug/l	13	ND	13	2.564949357
PZL0012	200641.00000	57196.00000	Benzene	9/5/14		ug/l	1.2	ND	1.2	0.182321557
PZL0012	200641.00000	57196.00000	Benzene	10/2/15		ug/l	5	ND	5	1.609437912
PZL0012	200641.00000	57196.00000	Benzene	9/14/16		ug/l	2.5	ND	2.5	0.916290732
PZL0012	200641.00000	57196.00000	Benzene	9/14/17	1.7	ug/l			1.7	0.530628251

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	1.2733632	3.572848659	1.02	2.29	9.89	0.26	1.29
1/1/95	1.2398382	3.455054558	0.91	2.15	8.62	0.33	1.38
1/1/97	1.2062674	3.340990601	0.83	2.04	7.68	0.37	1.45
1/1/99	1.1727424	3.230840683	0.78	1.95	7.03	0.40	1.49
1/1/01	1.1391715	3.124178845	0.76	1.89	6.65	0.38	1.47
1/1/03	1.1056465	3.021177046	0.77	1.88	6.53	0.34	1.40
1/1/05	1.0720756	2.921436969	0.82	1.89	6.63	0.25	1.29
1/1/07	1.0385506	2.825119415	0.90	1.94	6.94	0.14	1.15
1/1/09	1.0049797	2.731851916	1.00	2.00	7.42	0.01	1.01
1/1/11	0.9714548	2.641784837	1.12	2.09	8.06	-0.14	0.87
1/1/13	0.9378839	2.554569881	1.24	2.18	8.85	-0.31	0.74
1/1/15	0.9043589	2.470347656	1.38	2.28	9.81	-0.47	0.62
1/1/17	0.870788	2.388792467	1.52	2.39	10.94	-0.65	0.52
1/1/19	0.837263	2.310035797	1.67	2.51	12.26	-0.83	0.44
1/1/21	0.8036921	2.233773087	1.82	2.62	13.78	-1.02	0.36
1/1/23	0.7701671	2.160127288	1.97	2.74	15.53	-1.20	0.30
1/1/25	0.7365963	2.088813605	2.13	2.86	17.54	-1.39	0.25
1/1/27	0.7030713	2.01994701	2.28	2.99	19.84	-1.58	0.21
1/1/29	0.6695004	1.95326119	2.44	3.11	22.47	-1.77	0.17
1/1/31	0.6359754	1.888863655	2.60	3.24	25.48	-1.97	0.14
1/1/33	0.6024045	1.826505374	2.76	3.36	28.92	-2.16	0.12
1/1/35	0.5688795	1.766286882	2.92	3.49	32.85	-2.35	0.09
1/1/37	0.5353086	1.707975307	3.08	3.62	37.34	-2.55	0.08
1/1/39	0.5017837	1.651664661	3.25	3.75	42.46	-2.74	0.06
1/1/41	0.4682128	1.597137185	3.41	3.88	48.31	-2.94	0.05

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	2.833	INTERCEPT(y,x)
Observations, n	n	17.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	1.461	STEYX(y,x)
Average x	XAVG	36955.059	AVERAGE(x)
SSX	SSX	185630766.941	DEVSQ(x)
t(α,df)	t	2.131	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.543077165	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.11
R Square	0.012
Adjusted R Square	-0.054
Standard Error	1.461
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.391508432	0.391508432	0.183426	0.674531597
Residual	15	32.01634972	2.134423315		
Total	16	32.40785816			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	2.833	3.978492314	0.712185012	0.487281	-5.64653304	11.31337823	-5.64653304	11.31337823
Date	-5E-05	0.00010723	-0.428282453	0.674532	-0.000274479	0.00018263	-0.000274479	0.00018263

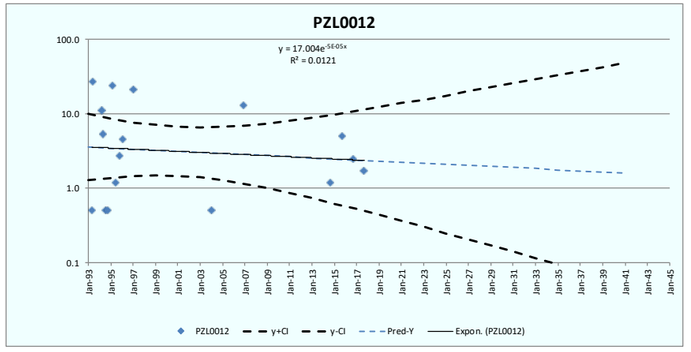


FIGURE H-21b: LINEAR REGRESSION ANALYSIS - TRANSECT WT-3
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

PZL0013

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
PZL0013	200652.00000	56764.00000	Benzene	4/28/93	418482	ug/l			418482	12.94438916
PZL0013	200652.00000	56764.00000	Benzene	5/26/93	610000	ug/l			610000	13.32121424
PZL0013	200652.00000	56764.00000	Benzene	3/22/94	750000	ug/l			750000	13.52782849
PZL0013	200652.00000	56764.00000	Benzene	4/29/94	560000	ug/l			560000	13.23569206
PZL0013	200652.00000	56764.00000	Benzene	7/21/94	450000	ug/l		j	450000	13.01700286
PZL0013	200652.00000	56764.00000	Benzene	10/24/94	590000	ug/l			590000	13.28787782
PZL0013	200652.00000	56764.00000	Benzene	3/21/95	650000	ug/l			650000	13.38472764
PZL0013	200652.00000	56764.00000	Benzene	7/5/95	570000	ug/l			570000	13.25339164
PZL0013	200652.00000	56764.00000	Benzene	10/19/95	590000	ug/l			590000	13.28787782
PZL0013	200652.00000	56764.00000	Benzene	2/12/96	520000	ug/l			520000	13.16158409
PZL0013	200652.00000	56764.00000	Benzene	2/12/97	470000	ug/l			470000	13.06048797
PZL0013	200652.00000	56764.00000	Benzene	3/19/98	400000	ug/l			400000	12.89921983
PZL0013	200652.00000	56764.00000	Benzene	2/8/99	460000	ug/l			460000	13.03898177
PZL0013	200652.00000	56764.00000	Benzene	7/31/00	300000	ug/l			300000	12.61153775
PZL0013	200652.00000	56764.00000	Benzene	9/11/14	330000	ug/l			330000	12.70684793
PZL0013	200652.00000	56764.00000	Benzene	10/2/15	450000	ug/l			450000	13.01700286
PZL0013	200652.00000	56764.00000	Benzene	9/16/16	420000	ug/l	2000		420000	12.94800999
PZL0013	200652.00000	56764.00000	Benzene	9/13/17	210000	ug/l			210000	12.25486281

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	13.224218	553611.3522	0.15	13.38	645860.96	13.07	474537.94
1/1/95	13.178007	528610.5926	0.14	13.32	606902.39	13.04	460418.62
1/1/97	13.131733	504706.9022	0.13	13.26	572436.98	13.01	444990.57
1/1/99	13.085522	481914.6386	0.12	13.20	542687.04	12.97	427947.79
1/1/01	13.039248	460122.5321	0.12	13.16	517512.83	12.92	409096.61
1/1/03	12.993037	439343.6721	0.12	13.12	496565.42	12.87	388715.87
1/1/05	12.946763	419476.6182	0.13	13.08	479041.26	12.81	367318.33
1/1/07	12.900552	400533.3035	0.15	13.05	464149.74	12.75	345636.15
1/1/09	12.854278	382421.2486	0.17	13.02	451127.14	12.69	324179.15
1/1/11	12.808067	365151.3323	0.19	12.99	439475.45	12.62	303396.91
1/1/13	12.761793	348639.2448	0.21	12.97	428794.92	12.55	283467.26
1/1/15	12.715582	332894.9037	0.23	12.95	418868.02	12.49	264567.86
1/1/17	12.669308	317841.447	0.25	12.92	409500.93	12.42	246698.31
1/1/19	12.623097	303487.9162	0.28	12.90	400605.36	12.35	229914.34
1/1/21	12.576823	289764.2389	0.30	12.88	392077.02	12.27	214150.05
1/1/23	12.530612	276678.6581	0.33	12.86	383882.06	12.20	199413.02
1/1/25	12.484338	264167.2914	0.35	12.84	375955.89	12.13	185618.47
1/1/27	12.438127	252237.6535	0.38	12.82	368288.60	12.06	172755.37
1/1/29	12.391853	240831.5053	0.40	12.80	360834.78	11.99	160737.87
1/1/31	12.345642	229955.6977	0.43	12.78	353595.73	11.92	149548.25
1/1/33	12.299368	219557.1361	0.46	12.76	346536.25	11.84	139106.18
1/1/35	12.253157	209642.0664	0.48	12.74	339663.13	11.77	129392.31
1/1/37	12.206883	200162.0841	0.51	12.72	332947.12	11.70	120334.00
1/1/39	12.160672	191122.8834	0.54	12.70	326397.79	11.63	111912.39
1/1/41	12.114398	182480.3357	0.56	12.68	319989.65	11.55	104062.97

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	15.375	INTERCEPT(y,x)
Observations, n	n	18.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.235	STEYX(y,x)
Average x	XAVG	36670.778	AVERAGE(x)
SSX	SSX	180435425.111	DEVSQ(x)
t(α,df)	t	2.120	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.493998478	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.671
R Square	0.451
Adjusted R Square	0.416
Standard Error	0.235
Observations	18

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.723043394	0.723043394	13.12978	0.002282991
Residual	16	0.881103409	0.055068963		
Total	17	1.604146803			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	15.37	0.643021291	23.90994886	6E-14	14.01146193	16.73775041	14.01146193	16.73775041
Date	-6E-05	1.747E-05	-3.623503889	0.002283	-0.000100337	-2.62678E-05	-0.000100337	-2.62678E-05

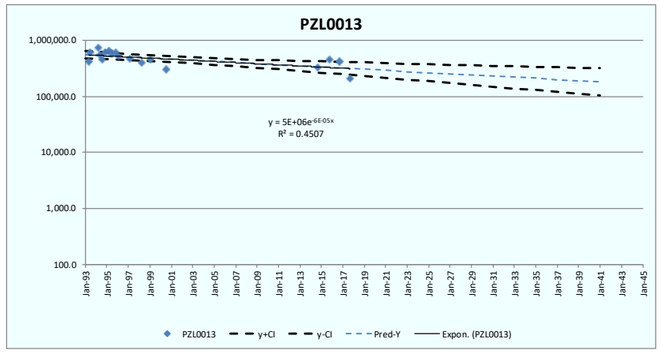


FIGURE H-21c: LINEAR REGRESSION ANALYSIS - TRANSECT WT-3
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0021

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0021	200749.40000	56078.40000	Benzene	10/19/93	15	ug/l			15	2.708050201
SWL0021	200749.40000	56078.40000	Benzene	2/15/94	25	ug/l			25	3.218875825
SWL0021	200749.40000	56078.40000	Benzene	5/2/94	16	ug/l			16	2.772588722
SWL0021	200749.40000	56078.40000	Benzene	7/22/94	19	ug/l			19	2.944438979
SWL0021	200749.40000	56078.40000	Benzene	10/19/94	9.2	ug/l			9.2	2.219203484
SWL0021	200749.40000	56078.40000	Benzene	3/17/95	4.6	ug/l			4.6	1.526056303
SWL0021	200749.40000	56078.40000	Benzene	7/5/95	4.4	ug/l			4.4	1.481604541
SWL0021	200749.40000	56078.40000	Benzene	10/19/95	4.4	ug/l			4.4	1.481604541
SWL0021	200749.40000	56078.40000	Benzene	2/14/96	5.4	ug/l			5.4	1.686398954
SWL0021	200749.40000	56078.40000	Benzene	2/7/97	4.1	ug/l			4.1	1.410986974
SWL0021	200749.40000	56078.40000	Benzene	3/19/98	6	ug/l			6	1.791759469
SWL0021	200749.40000	56078.40000	Benzene	2/19/99	3.2	ug/l		J	3.2	1.16315081
SWL0021	200749.40000	56078.40000	Benzene	7/28/00	1.9	ug/l			1.9	0.641853886
SWL0021	200749.40000	56078.40000	Benzene	1/28/04		ug/l	0.5	ND	0.5	-0.693147181
SWL0021	200749.40000	56078.40000	Benzene	3/23/05		ug/l	0.5	ND	0.5	-0.693147181
SWL0021	200749.40000	56078.40000	Benzene	10/31/06	21	ug/l			21	3.044522438
SWL0021	200749.40000	56078.40000	Benzene	2/22/12	0.57	ug/l			0.57	-0.562118918
SWL0021	200749.40000	56078.40000	Benzene	9/9/14	0.46	ug/l		J	0.46	-0.776528789
SWL0021	200749.40000	56078.40000	Benzene	10/2/15	0.47	ug/l		J	0.47	-0.755022584
SWL0021	200749.40000	56078.40000	Benzene	9/15/16	0.51	ug/l	1	J	0.51	-0.673344553
SWL0021	200749.40000	56078.40000	Benzene	9/15/16	0.49	ug/l	1	J	0.49	-0.713349888
SWL0021	200749.40000	56078.40000	Benzene	9/13/17	0.47	ug/l		J	0.47	-0.755022584

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	2.3375994	10.35634495	0.58	2.91	18.45	1.76	5.81
1/1/95	2.065933	7.892658436	0.51	2.58	13.21	1.55	4.72
1/1/97	1.7938945	6.012823959	0.46	2.25	9.53	1.33	3.79
1/1/99	1.5222282	4.582424203	0.42	1.94	6.97	1.10	3.01
1/1/01	1.2501897	3.491004997	0.39	1.64	5.17	0.86	2.36
1/1/03	0.9785233	2.660524556	0.39	1.36	3.91	0.59	1.81
1/1/05	0.7064848	2.026853933	0.40	1.11	3.02	0.31	1.36
1/1/07	0.4348184	1.544682595	0.43	0.87	2.38	0.00	1.00
1/1/09	0.1627799	1.17677771	0.48	0.64	1.90	-0.31	0.73
1/1/11	-0.108886	0.896832286	0.53	0.42	1.53	-0.64	0.53
1/1/13	-0.380925	0.683229194	0.60	0.22	1.24	-0.98	0.38
1/1/15	-0.652591	0.520694771	0.67	0.02	1.02	-1.32	0.27
1/1/17	-0.92463	0.396678257	0.74	-0.18	0.83	-1.67	0.19
1/1/19	-1.196296	0.302311869	0.82	-0.38	0.69	-2.02	0.13
1/1/21	-1.468335	0.230308718	0.90	-0.57	0.57	-2.37	0.09
1/1/23	-1.740001	0.17552023	0.98	-0.76	0.47	-2.72	0.07
1/1/25	-2.012039	0.133715687	1.06	-0.95	0.39	-3.07	0.05
1/1/27	-2.283706	0.101905861	1.15	-1.14	0.32	-3.43	0.03
1/1/29	-2.555744	0.077634425	1.23	-1.33	0.27	-3.78	0.02
1/1/31	-2.827411	0.059165855	1.31	-1.51	0.22	-4.14	0.02
1/1/33	-3.099449	0.045074023	1.40	-1.70	0.18	-4.50	0.01
1/1/35	-3.371116	0.034351296	1.48	-1.89	0.15	-4.85	0.01
1/1/37	-3.643154	0.026169673	1.57	-2.07	0.13	-5.21	0.01
1/1/39	-3.91482	0.01994413	1.66	-2.26	0.10	-5.57	0.00
1/1/41	-4.186859	0.015193936	1.74	-2.44	0.09	-5.93	0.00

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	14.979	INTERCEPT(y,x)
Observations, n	n	22.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.867	STEYX(y,x)
Average x	XAVG	37506.955	AVERAGE(x)
SSX	SSX	222123012.955	DEVSQ(x)
t(α,df)	t	2.086	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.351243503	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.819
R Square	0.672
Adjusted R Square	0.655
Standard Error	0.867
Observations	22

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	30.76235266	30.76235266	40.8911	3.07618E-06
Residual	20	15.04598773	0.752299386		
Total	21	45.80834039			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	14.98	2.190601059	6.838026692	1.2E-06	10.40987478	19.54890225	10.40987478	19.54890225
Date	-4E-04	5.81967E-05	-6.394615257	3.08E-06	-0.000493542	-0.000250749	-0.000493542	-0.000250749

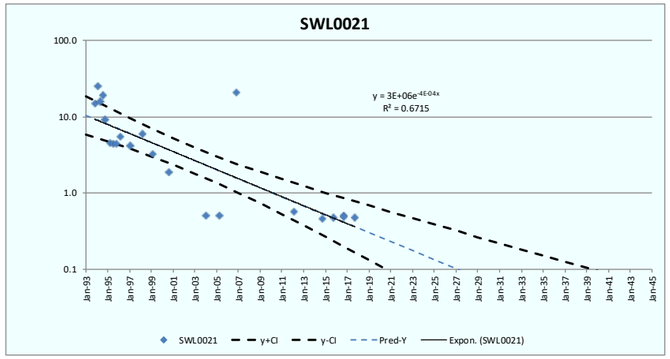


FIGURE H-21d: LINEAR REGRESSION ANALYSIS - TRANSECT WT-3
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0024

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0024	201031.00000	56417.00000	Benzene	9/23/93	7.5	ug/l			7.5	2.014903021
SWL0024	201031.00000	56417.00000	Benzene	2/15/94	11	ug/l			11	2.397895273
SWL0024	201031.00000	56417.00000	Benzene	5/2/94	23	ug/l			23	3.135494216
SWL0024	201031.00000	56417.00000	Benzene	7/21/94	2.9	ug/l			2.9	1.064710737
SWL0024	201031.00000	56417.00000	Benzene	10/17/94	2.3	ug/l			2.3	0.832909123
SWL0024	201031.00000	56417.00000	Benzene	3/15/95	1.6	ug/l			1.6	0.470003629
SWL0024	201031.00000	56417.00000	Benzene	6/29/95	1.7	ug/l			1.7	0.530628251
SWL0024	201031.00000	56417.00000	Benzene	10/18/95	2	ug/l			2	0.693147181
SWL0024	201031.00000	56417.00000	Benzene	2/14/96	0.92	ug/l			0.92	-0.083381609
SWL0024	201031.00000	56417.00000	Benzene	1/23/97		ug/l	0.5	ND	0.5	-0.693147181
SWL0024	201031.00000	56417.00000	Benzene	2/25/98	0.35	ug/l		J	0.35	-1.049822124
SWL0024	201031.00000	56417.00000	Benzene	2/8/99	0.61	ug/l		J	0.61	-0.494296322
SWL0024	201031.00000	56417.00000	Benzene	7/14/00		ug/l	1	ND	1	0
SWL0024	201031.00000	56417.00000	Benzene	1/19/04	0.32	ug/l		J	0.32	-1.139434283
SWL0024	201031.00000	56417.00000	Benzene	11/8/06	0.24	ug/l		J	0.24	-1.427116356
SWL0024	201031.00000	56417.00000	Benzene	2/22/12		ug/l	0.5	ND	0.5	-0.693147181
SWL0024	201031.00000	56417.00000	Benzene	9/4/14		ug/l	0.5	ND	0.5	-0.693147181
SWL0024	201031.00000	56417.00000	Benzene	10/2/15		ug/l	0.5	ND	0.5	-0.693147181
SWL0024	201031.00000	56417.00000	Benzene	9/13/16		ug/l	0.5	ND	0.5	-0.693147181
SWL0024	201031.00000	56417.00000	Benzene	9/11/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	0.9337722	2.544087812	0.68	1.61	5.00	0.26	1.29
1/1/95	0.7541723	2.125851169	0.60	1.36	3.88	0.15	1.17
1/1/97	0.5743264	1.775933776	0.54	1.11	3.05	0.04	1.04
1/1/99	0.3947265	1.483978216	0.49	0.89	2.43	-0.10	0.91
1/1/01	0.2148805	1.239713803	0.47	0.69	1.99	-0.26	0.77
1/1/03	0.0352807	1.035910405	0.47	0.51	1.66	-0.44	0.65
1/1/05	-0.144565	0.865398436	0.50	0.36	1.43	-0.64	0.52
1/1/07	-0.324165	0.723130809	0.55	0.22	1.25	-0.87	0.42
1/1/09	-0.504011	0.604102698	0.61	0.11	1.11	-1.12	0.33
1/1/11	-0.683611	0.50479092	0.69	0.00	1.00	-1.37	0.25
1/1/13	-0.863457	0.421701791	0.77	-0.09	0.91	-1.64	0.19
1/1/15	-1.043057	0.352375905	0.86	-0.18	0.84	-1.91	0.15
1/1/17	-1.222903	0.294374451	0.96	-0.27	0.77	-2.18	0.11
1/1/19	-1.402503	0.24598061	1.05	-0.35	0.71	-2.46	0.09
1/1/21	-1.582348	0.205491936	1.15	-0.43	0.65	-2.74	0.06
1/1/23	-1.761948	0.171709982	1.26	-0.51	0.60	-3.02	0.05
1/1/25	-1.941794	0.143446334	1.36	-0.58	0.56	-3.30	0.04
1/1/27	-2.121394	0.119864399	1.46	-0.66	0.52	-3.58	0.03
1/1/29	-2.30124	0.10013459	1.57	-0.73	0.48	-3.87	0.02
1/1/31	-2.48084	0.083672912	1.67	-0.81	0.45	-4.15	0.02
1/1/33	-2.660686	0.06990026	1.78	-0.88	0.41	-4.44	0.01
1/1/35	-2.840286	0.058408971	1.88	-0.96	0.38	-4.72	0.01
1/1/37	-3.020132	0.048794791	1.99	-1.03	0.36	-5.01	0.01
1/1/39	-3.199732	0.040773146	2.10	-1.10	0.33	-5.30	0.01
1/1/41	-3.379578	0.034061842	2.21	-1.17	0.31	-5.59	0.00

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	9.291	INTERCEPT(y,x)
Observations, n	n	20.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.998	STEYX(y,x)
Average x	XAVG	37199.050	AVERAGE(x)
SSX	SSX	193490038.950	DEVSQ(x)
t(α,df)	t	2.101	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.413873419	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.629
R Square	0.395
Adjusted R Square	0.362
Standard Error	0.998
Observations	20

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	11.7118371	11.7118371	11.76262	0.002988471
Residual	18	17.92228871	0.995682706		
Total	19	29.63412582			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	9.291	2.677786257	3.469775712	0.002734	3.665497551	14.91713788	3.665497551	14.91713788
Date	-2E-04	7.1735E-05	-3.429667592	0.002988	-0.000396737	-9.53176E-05	-0.000396737	-9.53176E-05

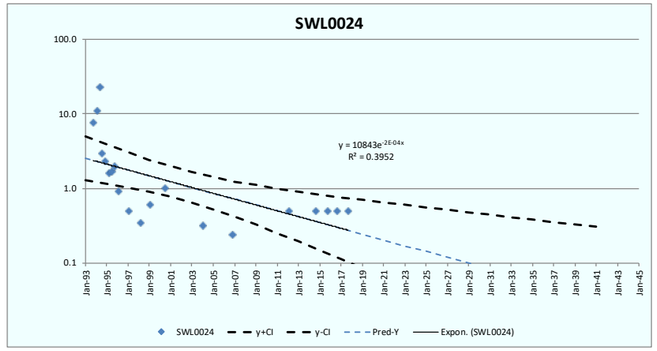


FIGURE H-21e: LINEAR REGRESSION ANALYSIS - TRANSECT WT-3
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

MW-04HD

Experimental data

Sample ID	Xcoord	yCoord	ompoun	Date	ncentrat	units	etLira	ression L	LN(Regr Data)
MW-04HD	##########	##########	Benzene	1/24/1991	2100	ug/l		2100	7.649692624
MW-04HD	##########	##########	Benzene	2/1/1991	1E+06	ug/l		1200000	13.99783211
MW-04HD	##########	##########	Benzene	2/20/1991	970	mg/l		970	6.877296071
MW-04HD	##########	##########	Benzene	7/18/1993	850000	ug/l		850000	13.65299163
MW-04HD	##########	##########	Benzene	4/2/1994	800000	ug/l		800000	13.59236701
MW-04HD	##########	##########	Benzene	4/29/1994	1E+06	ug/l		1300000	14.07787482
MW-04HD	##########	##########	Benzene	7/21/1994	1E+06	ug/l	J	1200000	13.99783211
MW-04HD	##########	##########	Benzene	10/25/1994	830000	ug/l		830000	13.62918098
MW-04HD	##########	##########	Benzene	3/21/1995	1E+06	ug/l		1200000	13.99783211
MW-04HD	##########	##########	Benzene	7/5/1995	930000	ug/l		930000	13.74293987
MW-04HD	##########	##########	Benzene	10/19/1995	960000	ug/l		960000	13.77468856
MW-04HD	##########	##########	Benzene	2/13/1996	980000	ug/l		980000	13.79530785
MW-04HD	##########	##########	Benzene	2/10/1997	900000	ug/l		900000	13.71015004
MW-04HD	##########	##########	Benzene	3/17/1998	800000	ug/l		800000	13.59236701
MW-04HD	##########	##########	Benzene	2/12/1999	890000	ug/l		890000	13.69897674
MW-04HD	##########	##########	Benzene	7/25/2000	670000	ug/l		670000	13.41503299
MW-04HD	##########	##########	Benzene	1/16/2004	310000	ug/l		310000	12.64432758
MW-04HD	##########	##########	Benzene	11/10/2006	430000	ug/l		430000	12.97154049
MW-04HD	##########	##########	Benzene	9/11/2014	330000	ug/l		330000	12.70684793
MW-04HD	##########	##########	Benzene	10/2/2015	350000	ug/l		350000	12.76568843
MW-04HD	##########	##########	Benzene	9/19/2016	480000	ug/l	1200	480000	13.08154138
MW-04HD	##########	##########	Benzene	9/19/2016	440000	ug/l	1200	440000	12.99453001
MW-04HD	200684.00000	56576.00000	Benzene	9/14/2017	280000	ug/l		280000	12.54254488

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/1993	12.75584	346569.63	1.07	13.82	1008382.03	11.69	119112.11
1/1/1995	12.7959	360737.17	0.96	13.76	943560.26	11.83	137915.21
1/1/1997	12.83603	375504.49	0.88	13.72	904678.01	11.96	155860.56
1/1/1999	12.87609	390854.88	0.83	13.71	895394.16	12.05	170614.84
1/1/2001	12.91621	406855.1	0.82	13.73	920202.51	12.10	179885.49
1/1/2003	12.95628	423487.08	0.84	13.80	983587.15	12.11	182333.93
1/1/2005	12.9964	440823.16	0.91	13.90	1089880.35	12.09	178299.44
1/1/2007	13.03646	458843.73	1.00	14.03	1243203.18	12.04	169350.90
1/1/2009	13.07659	477627.19	1.11	14.19	1449876.91	11.97	157342.83
1/1/2011	13.11665	497152.29	1.24	14.36	1717709.12	11.88	143889.55
1/1/2013	13.15677	517503.96	1.38	14.54	2058978.25	11.78	130069.54
1/1/2015	13.19684	538659.19	1.53	14.73	2487988.45	11.67	116621.81
1/1/2017	13.23696	560710.01	1.69	14.92	3025565.62	11.55	103913.04
1/1/2019	13.27703	583631.48	1.85	15.12	3695099.56	11.43	92183.09
1/1/2021	13.31715	607523.31	2.01	15.33	4529726.21	11.31	81480.55
1/1/2023	13.35721	632358.48	2.18	15.53	5566251.95	11.18	71839.59
1/1/2025	13.39733	658245.02	2.34	15.74	6856393.07	11.05	63194.53
1/1/2027	13.4374	685153.66	2.51	15.95	8457431.58	10.92	55505.69
1/1/2029	13.47752	713201.45	2.68	16.16	10449641.19	10.79	48676.92
1/1/2031	13.51759	742356.68	2.86	16.37	12921892.92	10.66	42648.04
1/1/2033	13.55771	772746.16	3.03	16.59	15998604.31	10.53	37324.29
1/1/2035	13.59777	804335.53	3.20	16.80	19817546.24	10.39	32645.60
1/1/2037	13.63789	837262.21	3.38	17.02	24571504.67	10.26	28529.31
1/1/2039	13.67796	871488.96	3.55	17.23	30474037.06	10.12	24922.63
1/1/2041	13.71808	907164.66	3.73	17.45	37823897.74	9.99	21757.35

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	10.891	INTERCEPT(y,x)
Observations, n	n	23.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	1.881	STEYX(y,x)
Average x	XAVG	36762.478	AVERAGE(x)
SSX	SSX	############	DEVSQ(x)
t(α,df)	t	2.080	TINV(0.05,n-2)
Critical F-statistic (P <0.0!	F-stat	4.324793743	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.1
R Square	0.01
Adjusted R Square	-0.037
Standard Error	1.881
Observations	23

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.755475815	0.755475815	0.213599	0.64871323
Residual	21	74.27451965	3.536881888		
Total	22	75.02999546			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	10.89	4.383306067	2.484746066	0.021474	1.775818523	20.00698649	1.775818523	20.00698649
Date	5E-05	0.000118755	0.462168141	0.648713	-0.00019208	0.000301849	-0.00019208	0.000301849

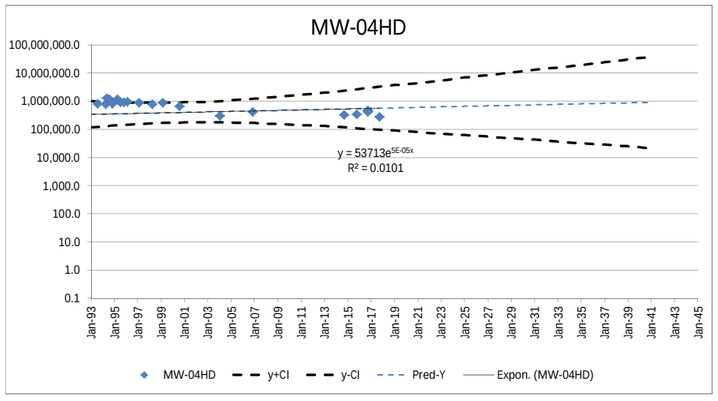


FIGURE H-21f: LINEAR REGRESSION ANALYSIS - TRANSECT WT-3
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0005

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0005	199909.00000	56422.00000	Benzene	3/12/93	2.5	ug/l			2.5	0.916290732
SWL0005	199909.00000	56422.00000	Benzene	3/12/93	3.1	ug/l			3.1	1.131402111
SWL0005	199909.00000	56422.00000	Benzene	2/16/94	310	ug/l			310	5.736572297
SWL0005	199909.00000	56422.00000	Benzene	5/4/94	2.2	ug/l			2.2	0.78845736
SWL0005	199909.00000	56422.00000	Benzene	7/22/94	33	ug/l			33	3.496507561
SWL0005	199909.00000	56422.00000	Benzene	10/19/94	1.8	ug/l			1.8	0.587786665
SWL0005	199909.00000	56422.00000	Benzene	3/15/95	1.3	ug/l			1.3	0.262364264
SWL0005	199909.00000	56422.00000	Benzene	3/15/95		ug/l	0.5	ND	0.5	-0.693147181
SWL0005	199909.00000	56422.00000	Benzene	6/29/95		ug/l	0.5	ND	0.5	-0.693147181
SWL0005	199909.00000	56422.00000	Benzene	10/24/95	2	ug/l			2	0.693147181
SWL0005	199909.00000	56422.00000	Benzene	2/7/96	0.81	ug/l			0.81	-0.210721031
SWL0005	199909.00000	56422.00000	Benzene	1/28/97		ug/l	0.5	ND	0.5	-0.693147181
SWL0005	199909.00000	56422.00000	Benzene	3/2/98	0.67	ug/l		J	0.67	-0.400477567
SWL0005	199909.00000	56422.00000	Benzene	2/9/99	0.42	ug/l		J	0.42	-0.867500568
SWL0005	199909.00000	56422.00000	Benzene	8/2/00		ug/l	1	ND	1	0
SWL0005	199909.00000	56422.00000	Benzene	1/21/04		ug/l	0.5	ND	0.5	-0.693147181
SWL0005	199909.00000	56422.00000	Benzene	11/6/06	0.43	ug/l		J	0.43	-0.84397007
SWL0005	199909.00000	56422.00000	Benzene	2/21/12		ug/l	0.5	ND	0.5	-0.693147181
SWL0005	199909.00000	56422.00000	Benzene	9/5/14		ug/l	0.5	ND	0.5	-0.693147181
SWL0005	199909.00000	56422.00000	Benzene	10/1/15		ug/l	0.5	ND	0.5	-0.693147181
SWL0005	199909.00000	56422.00000	Benzene	9/12/16		ug/l	0.5	ND	0.5	-0.693147181
SWL0005	199909.00000	56422.00000	Benzene	9/7/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	0.9309398	2.536892168	0.89	1.83	6.20	0.04	1.04
1/1/95	0.758423	2.134906898	0.80	1.55	4.73	-0.04	0.96
1/1/97	0.58567	1.796193991	0.72	1.30	3.68	-0.13	0.88
1/1/99	0.4131532	1.511576641	0.66	1.08	2.94	-0.25	0.78
1/1/01	0.2404002	1.271757978	0.64	0.88	2.42	-0.40	0.67
1/1/03	0.0678834	1.070240554	0.66	0.73	2.07	-0.59	0.55
1/1/05	-0.10487	0.900441913	0.71	0.60	1.83	-0.81	0.44
1/1/07	-0.277386	0.757761673	0.78	0.51	1.66	-1.06	0.35
1/1/09	-0.450139	0.637539259	0.88	0.43	1.54	-1.33	0.26
1/1/11	-0.622656	0.536517468	0.99	0.37	1.45	-1.61	0.20
1/1/13	-0.795409	0.451396477	1.11	0.32	1.37	-1.91	0.15
1/1/15	-0.967926	0.379870088	1.24	0.27	1.31	-2.21	0.11
1/1/17	-1.140679	0.319601932	1.37	0.23	1.26	-2.51	0.08
1/1/19	-1.313196	0.268959154	1.51	0.20	1.22	-2.82	0.06
1/1/21	-1.485949	0.226287533	1.65	0.16	1.18	-3.13	0.04
1/1/23	-1.658466	0.190430962	1.79	0.13	1.14	-3.45	0.03
1/1/25	-1.831219	0.160218204	1.93	0.10	1.11	-3.76	0.02
1/1/27	-2.003735	0.134830701	2.08	0.07	1.08	-4.08	0.02
1/1/29	-2.176488	0.113439183	2.22	0.05	1.05	-4.40	0.01
1/1/31	-2.349005	0.095464087	2.37	0.02	1.02	-4.72	0.01
1/1/33	-2.521758	0.080318266	2.52	0.00	1.00	-5.04	0.01
1/1/35	-2.694275	0.067591371	2.66	-0.03	0.97	-5.36	0.00
1/1/37	-2.867028	0.056867686	2.81	-0.05	0.95	-5.68	0.00
1/1/39	-3.039545	0.047856671	2.96	-0.08	0.93	-6.00	0.00
1/1/41	-3.212298	0.040263988	3.11	-0.10	0.90	-6.32	0.00

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	8.959	INTERCEPT(y,x)
Observations, n	n	22.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	1.448	STEYX(y,x)
Average x	XAVG	36937.636	AVERAGE(x)
SSX	SSX	208896307.091	DEVSQ(x)
t(α,df)	t	2.086	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.351243503	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.467
R Square	0.218
Adjusted R Square	0.179
Standard Error	1.448
Observations	22

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	11.66668615	11.66668615	5.563905	0.028619889
Residual	20	41.93704277	2.096852139		
Total	21	53.60372892			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	8.959	3.713586953	2.412458975	0.025569	1.212469531	16.70528281	1.212469531	16.70528281
Date	-2E-04	0.000100189	-2.358793129	0.02862	-0.000445314	-2.73344E-05	-0.000445314	-2.73344E-05

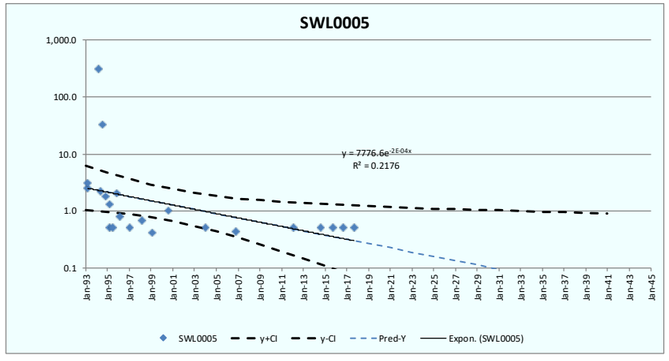


FIGURE H-21g: LINEAR REGRESSION ANALYSIS - TRANSECT WT-3
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0057

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0057	199614.00000	55500.00000	Benzene	11/14/95	46	ug/l			46	3.828641396
SWL0057	199614.00000	55500.00000	Benzene	2/14/96	6.6	ug/l			6.6	1.887069649
SWL0057	199614.00000	55500.00000	Benzene	2/21/96		ug/l	0.5	ND	0.5	-0.693147181
SWL0057	199614.00000	55500.00000	Benzene	6/4/96	6.2	ug/l			6.2	1.824549292
SWL0057	199614.00000	55500.00000	Benzene	10/15/96		ug/l	0.5	ND	0.5	-0.693147181
SWL0057	199614.00000	55500.00000	Benzene	1/27/97	6.1	ug/l			6.1	1.808288771
SWL0057	199614.00000	55500.00000	Benzene	2/26/98	1.6	ug/l			1.6	0.470003629
SWL0057	199614.00000	55500.00000	Benzene	2/3/99	1.1	ug/l			1.1	0.09531018
SWL0057	199614.00000	55500.00000	Benzene	7/11/00	0.42	ug/l		J	0.42	-0.867500568
SWL0057	199614.00000	55500.00000	Benzene	1/20/04		ug/l	0.5	ND	0.5	-0.693147181
SWL0057	199614.00000	55500.00000	Benzene	11/6/06		ug/l	0.5	ND	0.5	-0.693147181
SWL0057	199614.00000	55500.00000	Benzene	2/21/12		ug/l	0.5	ND	0.5	-0.693147181
SWL0057	199614.00000	55500.00000	Benzene	9/4/14		ug/l	0.5	ND	0.5	-0.693147181
SWL0057	199614.00000	55500.00000	Benzene	9/30/15		ug/l	0.5	ND	0.5	-0.693147181
SWL0057	199614.00000	55500.00000	Benzene	9/12/16		ug/l	0.5	ND	0.5	-0.693147181
SWL0057	199614.00000	55500.00000	Benzene	9/7/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	1.2184846	3.38205861	1.06	2.28	9.78	0.16	1.17
1/1/95	1.0289753	2.798197192	0.94	1.97	7.19	0.09	1.09
1/1/97	0.8392065	2.314529709	0.84	1.68	5.34	0.00	1.00
1/1/99	0.6496973	1.914961058	0.75	1.40	4.04	-0.10	0.91
1/1/01	0.4599285	1.583960656	0.68	1.14	3.12	-0.22	0.80
1/1/03	0.2704192	1.310513735	0.64	0.91	2.49	-0.37	0.69
1/1/05	0.0806504	1.083991858	0.64	0.72	2.06	-0.56	0.57
1/1/07	-0.108859	0.89685701	0.68	0.57	1.77	-0.79	0.46
1/1/09	-0.298628	0.741835565	0.75	0.45	1.56	-1.04	0.35
1/1/11	-0.488137	0.613768841	0.84	0.35	1.42	-1.32	0.27
1/1/13	-0.677906	0.507679095	0.94	0.27	1.30	-1.62	0.20
1/1/15	-0.867415	0.420035955	1.06	0.19	1.21	-1.93	0.15
1/1/17	-1.057184	0.347432876	1.19	0.13	1.14	-2.25	0.11
1/1/19	-1.246693	0.287453829	1.32	0.08	1.08	-2.57	0.08
1/1/21	-1.436462	0.237767527	1.46	0.02	1.02	-2.90	0.06
1/1/23	-1.625971	0.196720549	1.60	-0.03	0.97	-3.23	0.04
1/1/25	-1.81574	0.162717466	1.74	-0.07	0.93	-3.56	0.03
1/1/27	-2.005249	0.134626749	1.89	-0.12	0.89	-3.89	0.02
1/1/29	-2.195018	0.111356559	2.03	-0.16	0.85	-4.23	0.01
1/1/31	-2.384527	0.092132528	2.18	-0.21	0.81	-4.56	0.01
1/1/33	-2.574296	0.07620745	2.33	-0.25	0.78	-4.90	0.01
1/1/35	-2.763805	0.063051383	2.48	-0.29	0.75	-5.24	0.01
1/1/37	-2.953574	0.052152972	2.63	-0.33	0.72	-5.58	0.00
1/1/39	-3.143083	0.043149548	2.78	-0.37	0.69	-5.92	0.00
1/1/41	-3.332852	0.035691162	2.93	-0.41	0.67	-6.26	0.00

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	10.037	INTERCEPT(y,x)
Observations, n	n	16.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	1.190	STEYX(y,x)
Average x	XAVG	37987.625	AVERAGE(x)
SSX	SSX	145743037.750	DEVSQ(x)
t(α,df)	t	2.145	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.600109937	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.576
R Square	0.331
Adjusted R Square	0.284
Standard Error	1.19
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	9.822065677	9.822065677	6.941335	0.019608138
Residual	14	19.81015409	1.415011006		
Total	15	29.63221976			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	10.04	3.754866667	2.673105261	0.018189	1.983765801	18.09054189	1.983765801	18.09054189
Date	-3E-04	9.8534E-05	-2.634641376	0.019608	-0.000470936	-4.82673E-05	-0.000470936	-4.82673E-05

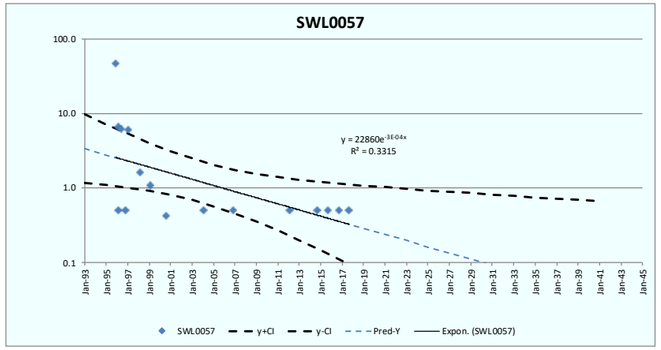


FIGURE H-22a: LINEAR REGRESSION ANALYSIS - TRANSECT WT-4
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0046

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0046	200635.00000	57893.00000	Benzene	9/7/95	1.8	ug/l			1.8	0.587786665
SWL0046	200635.00000	57893.00000	Benzene	10/19/95	4.6	ug/l			4.6	1.526056303
SWL0046	200635.00000	57893.00000	Benzene	2/14/96	1.8	ug/l			1.8	0.587786665
SWL0046	200635.00000	57893.00000	Benzene	6/5/96		ug/l	2.7	ND	2.7	0.993251773
SWL0046	200635.00000	57893.00000	Benzene	10/14/96	4.5	ug/l			4.5	1.504077397
SWL0046	200635.00000	57893.00000	Benzene	1/24/97	3.7	ug/l			3.7	1.30833282
SWL0046	200635.00000	57893.00000	Benzene	2/26/98	1.7	ug/l			1.7	0.530628251
SWL0046	200635.00000	57893.00000	Benzene	2/11/99	0.87	ug/l		J	0.87	-0.139262067
SWL0046	200635.00000	57893.00000	Benzene	7/12/00		ug/l	1	ND	1	0
SWL0046	200635.00000	57893.00000	Benzene	1/29/04		ug/l	0.5	ND	0.5	-0.693147181
SWL0046	200635.00000	57893.00000	Benzene	11/16/06		ug/l	0.5	ND	0.5	-0.693147181
SWL0046	200635.00000	57893.00000	Benzene	9/8/14		ug/l	0.5	ND	0.5	-0.693147181
SWL0046	200635.00000	57893.00000	Benzene	10/2/15		ug/l	0.5	ND	0.5	-0.693147181
SWL0046	200635.00000	57893.00000	Benzene	9/14/16		ug/l	0.5	ND	0.5	-0.693147181
SWL0046	200635.00000	57893.00000	Benzene	9/12/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	1.055172	2.872469093	0.46	1.52	4.56	0.59	1.81
1/1/95	0.8879581	2.430162494	0.41	1.30	3.66	0.48	1.61
1/1/97	0.7205152	2.055491965	0.36	1.08	2.96	0.36	1.43
1/1/99	0.5533014	1.738984587	0.33	0.88	2.41	0.23	1.26
1/1/01	0.3858585	1.470876477	0.30	0.69	1.98	0.09	1.09
1/1/03	0.2186446	1.244388967	0.29	0.51	1.66	-0.07	0.93
1/1/05	0.0512017	1.052535182	0.29	0.34	1.41	-0.24	0.79
1/1/07	-0.116012	0.890464419	0.31	0.20	1.22	-0.43	0.65
1/1/09	-0.283455	0.753176985	0.35	0.06	1.06	-0.63	0.53
1/1/11	-0.450669	0.637201794	0.39	-0.06	0.94	-0.84	0.43
1/1/13	-0.618112	0.538961148	0.44	-0.18	0.84	-1.06	0.35
1/1/15	-0.785326	0.455971196	0.49	-0.29	0.75	-1.28	0.28
1/1/17	-0.952769	0.385671794	0.55	-0.40	0.67	-1.50	0.22
1/1/19	-1.119982	0.32628554	0.61	-0.51	0.60	-1.73	0.18
1/1/21	-1.287425	0.275980437	0.67	-0.61	0.54	-1.96	0.14
1/1/23	-1.454639	0.233484603	0.74	-0.72	0.49	-2.19	0.11
1/1/25	-1.622082	0.197487093	0.80	-0.82	0.44	-2.42	0.09
1/1/27	-1.789296	0.167077768	0.87	-0.92	0.40	-2.66	0.07
1/1/29	-1.956739	0.141318538	0.93	-1.03	0.36	-2.89	0.06
1/1/31	-2.123953	0.119558122	1.00	-1.13	0.32	-3.12	0.04
1/1/33	-2.291396	0.101125237	1.06	-1.23	0.29	-3.36	0.03
1/1/35	-2.458609	0.085553839	1.13	-1.33	0.27	-3.59	0.03
1/1/37	-2.626052	0.072363568	1.20	-1.43	0.24	-3.82	0.02
1/1/39	-2.793266	0.06122093	1.27	-1.53	0.22	-4.06	0.02
1/1/41	-2.960709	0.051782187	1.33	-1.63	0.20	-4.29	0.01

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	8.836	INTERCEPT(y,x)
Observations, n	n	15.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.515	STEYX(y,x)
Average x	XAVG	37779.133	AVERAGE(x)
SSX	SSX	137520125.733	DEVSQ(x)
t(α,df)	t	2.160	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.667192732	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.823
R Square	0.677
Adjusted R Square	0.652
Standard Error	0.515
Observations	15

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	7.215476459	7.215476459	27.20338	0.000166487
Residual	13	3.448144355	0.265241873		
Total	14	10.66362081			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	8.836	1.664486534	5.308749662	0.000142	5.240437788	12.43224686	5.240437788	12.43224686
Date	-2E-04	4.39175E-05	-5.215686312	0.000166	-0.000323938	-0.000134182	-0.000323938	-0.000134182

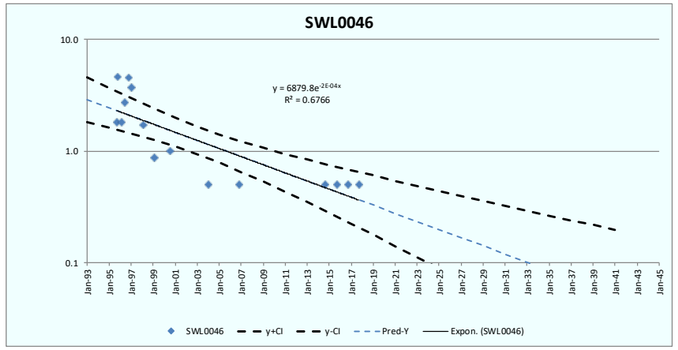


FIGURE H-22b: LINEAR REGRESSION ANALYSIS - TRANSECT WT-4
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0068

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0068	201361.90000	57279.50000	Benzene	12/4/09	280000	ug/l			280000	12.54254488
SWL0068	201361.90000	57279.50000	Benzene	12/9/09	8600	ug/l			8600	9.059517482
SWL0068	201361.90000	57279.50000	Benzene	1/6/10	150000	ug/l			150000	11.91839057
SWL0068	201361.90000	57279.50000	Benzene	9/11/14	150000	ug/l			150000	11.91839057
SWL0068	201361.90000	57279.50000	Benzene	10/2/15	170000	ug/l			170000	12.04355372
SWL0068	201361.90000	57279.50000	Benzene	9/19/16	200000	ug/l	1200		200000	12.20607265
SWL0068	201361.90000	57279.50000	Benzene	9/14/17	160000	ug/l			160000	11.98292909

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	8.9651478	7825.538565	7.43	16.40	13196862.16	1.53	4.64
1/1/95	9.2281765	10179.96145	6.73	15.95	8481638.19	2.50	12.22
1/1/97	9.4915655	13247.51784	6.02	15.51	5460075.06	3.47	32.14
1/1/99	9.7545941	17233.21914	5.32	15.08	3528058.43	4.43	84.18
1/1/01	10.017983	22426.15348	4.63	14.64	2288699.49	5.39	219.75
1/1/03	10.281012	29173.37587	3.94	14.22	1495952.24	6.34	568.93
1/1/05	10.544401	37964.27118	3.26	13.80	988404.46	7.28	1458.19
1/1/07	10.807429	49386.35392	2.60	13.41	666791.48	8.20	3657.83
1/1/09	11.070818	64268.08271	1.99	13.06	468168.47	9.09	8822.44
1/1/11	11.333847	83604.03558	1.46	12.80	360756.90	9.87	19374.92
1/1/13	11.597236	108796.6745	1.16	12.76	348186.54	10.43	33995.33
1/1/15	11.860265	141529.6779	1.26	13.12	499742.95	10.60	40081.91
1/1/17	12.123654	184177.2134	1.69	13.81	997438.37	10.43	34008.36
1/1/19	12.386682	239589.5078	2.27	14.65	2310485.26	10.12	24844.62
1/1/21	12.650071	311785.6874	2.91	15.56	5700582.43	9.74	17052.70
1/1/23	12.9131	405590.7785	3.57	16.49	14458214.68	9.34	11377.88
1/1/25	13.176489	527808.5874	4.26	17.43	37282463.77	8.92	7472.20
1/1/27	13.439518	686607.1938	4.95	18.39	96876578.90	8.49	4866.29
1/1/29	13.702907	893504.4686	5.65	19.35	253490729.21	8.05	3149.43
1/1/31	13.965935	1162327.803	6.35	20.32	664938188.87	7.62	2031.78
1/1/33	14.229324	1512575.306	7.05	21.28	1751182449.33	7.18	1306.48
1/1/35	14.492353	1967654.773	7.76	22.25	4614739436.62	6.73	838.98
1/1/37	14.755742	2560573.714	8.47	23.22	12194690308.51	6.29	537.66
1/1/39	15.018771	3330958.181	9.18	24.20	32218228849.85	5.84	344.38
1/1/41	15.28216	4334685.168	9.89	25.17	85308322571.12	5.39	220.25

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	-3.275	INTERCEPT(y,x)
Observations, n	n	7.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	1.181	STEYX(y,x)
Average x	XAVG	41469.571	AVERAGE(x)
SSX	SSX	9620289.714	DEVSQ(x)
t(α,df)	t	2.571	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	6.607890974	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics

Multiple R	0.39
R Square	0.152
Adjusted R Square	-0.018
Standard Error	1.181
Observations	7

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.248960173	1.248960173	0.895289	0.387495771
Residual	5	6.975180577	1.395036115		
Total	6	8.22414075			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-3.275	15.79798373	-0.207285495	0.843965	-43.88470289	37.33531713	-43.88470289	37.33531713
Date	4E-04	0.000380801	0.946197006	0.387496	-0.000618568	0.001339195	-0.000618568	0.001339195

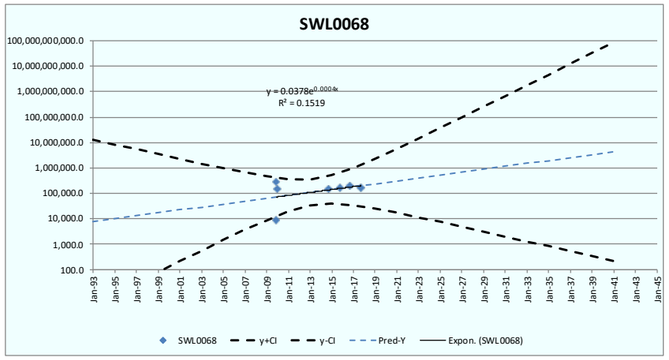


FIGURE H-22c: LINEAR REGRESSION ANALYSIS - TRANSECT WT-4
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

PZL0026

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
PZL0026	200965.00000	56878.00000	Benzene	10/14/93	4300	ug/l			4300	8.366370302
PZL0026	200965.00000	56878.00000	Benzene	10/12/94	4100	ug/l			4100	8.318742253
PZL0026	200965.00000	56878.00000	Benzene	3/17/95	670	ug/l			670	6.507277712
PZL0026	200965.00000	56878.00000	Benzene	6/30/95	3500	ug/l			3500	8.160518247
PZL0026	200965.00000	56878.00000	Benzene	10/18/95	3300	ug/l			3300	8.101677747
PZL0026	200965.00000	56878.00000	Benzene	2/8/96	2700	ug/l		J	2700	7.901007052
PZL0026	200965.00000	56878.00000	Benzene	2/3/97	3900	ug/l			3900	8.268731832
PZL0026	200965.00000	56878.00000	Benzene	3/19/98	2400	ug/l		J	2400	7.783224016
PZL0026	200965.00000	56878.00000	Benzene	2/8/99	1100	ug/l			1100	7.003065459
PZL0026	200965.00000	56878.00000	Benzene	7/31/00	620	ug/l			620	6.429719478
PZL0026	200965.00000	56878.00000	Benzene	1/16/04	2000	ug/l			2000	7.60090246
PZL0026	200965.00000	56878.00000	Benzene	11/14/06	91	ug/l			91	4.510859507
PZL0026	200965.00000	56878.00000	Benzene	9/10/14	53	ug/l			53	3.970291914
PZL0026	200965.00000	56878.00000	Benzene	9/30/15	44	ug/l			44	3.784189634
PZL0026	200965.00000	56878.00000	Benzene	9/15/16	36	ug/l	50	J	36	3.583518938
PZL0026	200965.00000	56878.00000	Benzene	9/14/17	32	ug/l			32	3.465735903

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	8.4635928	4739.053812	0.55	9.01	8199.54	7.92	2739.01
1/1/95	8.0523513	3141.172065	0.49	8.54	5116.01	7.56	1928.65
1/1/97	7.6405464	2080.880573	0.44	8.08	3216.85	7.20	1346.06
1/1/99	7.2293049	1379.263496	0.40	7.62	2047.79	6.83	928.98
1/1/01	6.8175001	913.6979932	0.37	7.19	1323.22	6.45	630.92
1/1/03	6.4062586	605.6235541	0.36	6.77	871.72	6.04	420.76
1/1/05	5.9944538	401.1974708	0.38	6.37	585.36	5.62	274.98
1/1/07	5.5832123	265.924452	0.41	5.99	400.30	5.17	176.66
1/1/09	5.1714074	176.1625961	0.45	5.63	277.49	4.72	111.83
1/1/11	4.7601659	116.765297	0.51	5.27	194.45	4.25	70.12
1/1/13	4.3483611	77.35158504	0.57	4.92	137.20	3.78	43.61
1/1/15	3.9371196	51.27070672	0.64	4.58	97.35	3.30	27.00
1/1/17	3.5253147	33.96446146	0.71	4.24	69.30	2.81	16.65
1/1/19	3.1140732	22.51255668	0.79	3.90	49.49	2.33	10.24
1/1/21	2.7022684	14.913523	0.86	3.57	35.39	1.84	6.28
1/1/23	2.2910269	9.885083331	0.94	3.23	25.36	1.35	3.85
1/1/25	1.879222	6.548408503	1.02	2.90	18.19	0.86	2.36
1/1/27	1.4679805	4.340460919	1.10	2.57	13.06	0.37	1.44
1/1/29	1.0561757	2.875353726	1.18	2.24	9.38	-0.13	0.88
1/1/31	0.6449342	1.905861626	1.26	1.91	6.74	-0.62	0.54
1/1/33	0.2331294	1.262544792	1.35	1.58	4.85	-1.11	0.33
1/1/35	-0.178112	0.836848575	1.43	1.25	3.49	-1.61	0.20
1/1/37	-0.589917	0.554373306	1.51	0.92	2.51	-2.10	0.12
1/1/39	-1.001158	0.367453507	1.59	0.59	1.81	-2.59	0.07
1/1/41	-1.412963	0.243420879	1.68	0.26	1.30	-3.09	0.05

Derived values

Slope, m	m	-0.001	SLOPE(y,x)
Intercept, b	b	27.600	INTERCEPT(y,x)
Observations, n	n	16.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.679	STEYX(y,x)
Average x	XAVG	37482.688	AVERAGE(x)
SSX	SSX	155396375.438	DEVSQ(x)
t(α,df)	t	2.145	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.600109937	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.94
R Square	0.884
Adjusted R Square	0.876
Standard Error	0.679
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	49.31613477	49.31613477	107.1043	6.0967E-08
Residual	14	6.446292632	0.460449474		
Total	15	55.7624274			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	27.6	2.04737417	13.48088028	2.07E-09	23.20922521	31.99158694	23.20922521	31.99158694
Date	-6E-04	5.4434E-05	-10.34912244	6.1E-08	-0.000680094	-0.000446595	-0.000680094	-0.000446595

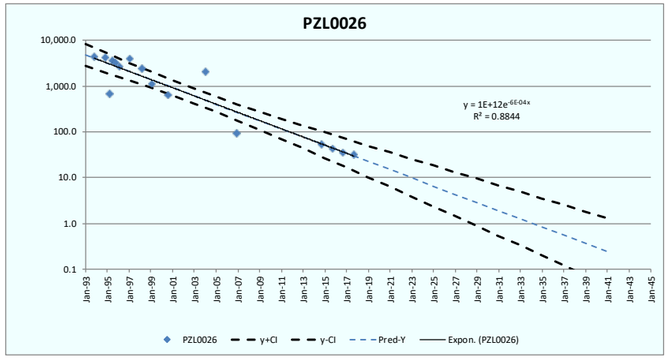


FIGURE H-22d: LINEAR REGRESSION ANALYSIS - TRANSECT WT-4
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0024

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0024	201031.00000	56417.00000	Benzene	9/23/93	7.5	ug/l			7.5	2.014903021
SWL0024	201031.00000	56417.00000	Benzene	2/15/94	11	ug/l			11	2.397895273
SWL0024	201031.00000	56417.00000	Benzene	5/2/94	23	ug/l			23	3.135494216
SWL0024	201031.00000	56417.00000	Benzene	7/21/94	2.9	ug/l			2.9	1.064710737
SWL0024	201031.00000	56417.00000	Benzene	10/17/94	2.3	ug/l			2.3	0.832909123
SWL0024	201031.00000	56417.00000	Benzene	3/15/95	1.6	ug/l			1.6	0.470003629
SWL0024	201031.00000	56417.00000	Benzene	6/29/95	1.7	ug/l			1.7	0.530628251
SWL0024	201031.00000	56417.00000	Benzene	10/18/95	2	ug/l			2	0.693147181
SWL0024	201031.00000	56417.00000	Benzene	2/14/96	0.92	ug/l			0.92	-0.083381609
SWL0024	201031.00000	56417.00000	Benzene	1/23/97		ug/l	0.5	ND	0.5	-0.693147181
SWL0024	201031.00000	56417.00000	Benzene	2/25/98	0.35	ug/l		J	0.35	-1.049822124
SWL0024	201031.00000	56417.00000	Benzene	2/8/99	0.61	ug/l		J	0.61	-0.494296322
SWL0024	201031.00000	56417.00000	Benzene	7/14/00		ug/l	1	ND	1	0
SWL0024	201031.00000	56417.00000	Benzene	1/19/04	0.32	ug/l		J	0.32	-1.139434283
SWL0024	201031.00000	56417.00000	Benzene	11/8/06	0.24	ug/l		J	0.24	-1.427116356
SWL0024	201031.00000	56417.00000	Benzene	2/22/12		ug/l	0.5	ND	0.5	-0.693147181
SWL0024	201031.00000	56417.00000	Benzene	9/4/14		ug/l	0.5	ND	0.5	-0.693147181
SWL0024	201031.00000	56417.00000	Benzene	10/2/15		ug/l	0.5	ND	0.5	-0.693147181
SWL0024	201031.00000	56417.00000	Benzene	9/13/16		ug/l	0.5	ND	0.5	-0.693147181
SWL0024	201031.00000	56417.00000	Benzene	9/11/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	0.9337722	2.544087812	0.68	1.61	5.00	0.26	1.29
1/1/95	0.7541723	2.125851169	0.60	1.36	3.88	0.15	1.17
1/1/97	0.5743264	1.775933776	0.54	1.11	3.05	0.04	1.04
1/1/99	0.3947265	1.483978216	0.49	0.89	2.43	-0.10	0.91
1/1/01	0.2148805	1.239713803	0.47	0.69	1.99	-0.26	0.77
1/1/03	0.0352807	1.035910405	0.47	0.51	1.66	-0.44	0.65
1/1/05	-0.144565	0.865398436	0.50	0.36	1.43	-0.64	0.52
1/1/07	-0.324165	0.723130809	0.55	0.22	1.25	-0.87	0.42
1/1/09	-0.504011	0.604102698	0.61	0.11	1.11	-1.12	0.33
1/1/11	-0.683611	0.50479092	0.69	0.00	1.00	-1.37	0.25
1/1/13	-0.863457	0.421701791	0.77	-0.09	0.91	-1.64	0.19
1/1/15	-1.043057	0.352375905	0.86	-0.18	0.84	-1.91	0.15
1/1/17	-1.222903	0.294374451	0.96	-0.27	0.77	-2.18	0.11
1/1/19	-1.402503	0.24598061	1.05	-0.35	0.71	-2.46	0.09
1/1/21	-1.582348	0.205491936	1.15	-0.43	0.65	-2.74	0.06
1/1/23	-1.761948	0.171709982	1.26	-0.51	0.60	-3.02	0.05
1/1/25	-1.941794	0.143446334	1.36	-0.58	0.56	-3.30	0.04
1/1/27	-2.121394	0.119864399	1.46	-0.66	0.52	-3.58	0.03
1/1/29	-2.30124	0.10013459	1.57	-0.73	0.48	-3.87	0.02
1/1/31	-2.48084	0.083672912	1.67	-0.81	0.45	-4.15	0.02
1/1/33	-2.660686	0.06990026	1.78	-0.88	0.41	-4.44	0.01
1/1/35	-2.840286	0.058408971	1.88	-0.96	0.38	-4.72	0.01
1/1/37	-3.020132	0.048794791	1.99	-1.03	0.36	-5.01	0.01
1/1/39	-3.199732	0.040773146	2.10	-1.10	0.33	-5.30	0.01
1/1/41	-3.379578	0.034061842	2.21	-1.17	0.31	-5.59	0.00

Derived values			
Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	9.291	INTERCEPT(y,x)
Observations, n	n	20.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.998	STEYX(y,x)
Average x	XAVG	37199.050	AVERAGE(x)
SSX	SSX	193490038.950	DEVSQ(x)
t(α,df)	t	2.101	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.413873419	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.629
R Square	0.395
Adjusted R Square	0.362
Standard Error	0.998
Observations	20

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	11.7118371	11.7118371	11.76262	0.002988471
Residual	18	17.92228871	0.995682706		
Total	19	29.63412582			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	9.291	2.677786257	3.469775712	0.002734	3.665497551	14.91713788	3.665497551	14.91713788
Date	-2E-04	7.1735E-05	-3.429667592	0.002988	-0.000396737	-9.53176E-05	-0.000396737	-9.53176E-05

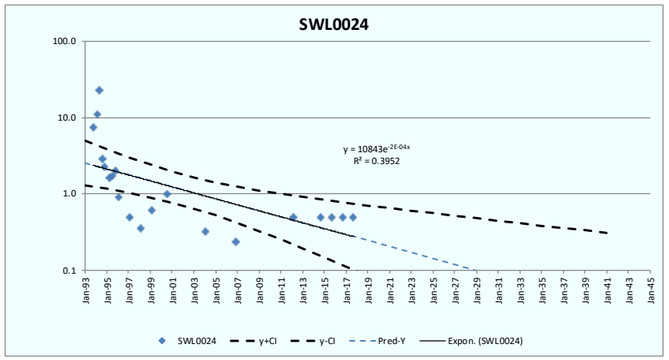


FIGURE H-22e: LINEAR REGRESSION ANALYSIS - TRANSECT WT-4
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

PZL0012

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
PZL0012	200641.00000	57196.00000	Benzene	4/28/93		ug/l	0.5	ND	0.5	-0.693147181
PZL0012	200641.00000	57196.00000	Benzene	5/26/93	27	ug/l			27	3.295836866
PZL0012	200641.00000	57196.00000	Benzene	3/21/94	11	ug/l			11	2.397895273
PZL0012	200641.00000	57196.00000	Benzene	4/27/94	5.3	ug/l			5.3	1.667706821
PZL0012	200641.00000	57196.00000	Benzene	7/18/94		ug/l	0.5	ND	0.5	-0.693147181
PZL0012	200641.00000	57196.00000	Benzene	10/12/94		ug/l	0.5	ND	0.5	-0.693147181
PZL0012	200641.00000	57196.00000	Benzene	3/16/95	24	ug/l			24	3.17805383
PZL0012	200641.00000	57196.00000	Benzene	6/27/95	1.2	ug/l			1.2	0.182321557
PZL0012	200641.00000	57196.00000	Benzene	10/17/95	2.7	ug/l			2.7	0.993251773
PZL0012	200641.00000	57196.00000	Benzene	2/8/96	4.6	ug/l			4.6	1.526056303
PZL0012	200641.00000	57196.00000	Benzene	1/29/97	21	ug/l			21	3.044522438
PZL0012	200641.00000	57196.00000	Benzene	1/15/04		ug/l	0.5	ND	0.5	-0.693147181
PZL0012	200641.00000	57196.00000	Benzene	11/8/06		ug/l	13	ND	13	2.564949357
PZL0012	200641.00000	57196.00000	Benzene	9/5/14		ug/l	1.2	ND	1.2	0.182321557
PZL0012	200641.00000	57196.00000	Benzene	10/2/15		ug/l	5	ND	5	1.609437912
PZL0012	200641.00000	57196.00000	Benzene	9/14/16		ug/l	2.5	ND	2.5	0.916290732
PZL0012	200641.00000	57196.00000	Benzene	9/14/17	1.7	ug/l			1.7	0.530628251

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	1.2733632	3.572848659	1.02	2.29	9.89	0.26	1.29
1/1/95	1.2398382	3.455054558	0.91	2.15	8.62	0.33	1.38
1/1/97	1.2062674	3.340990601	0.83	2.04	7.68	0.37	1.45
1/1/99	1.1727424	3.230840683	0.78	1.95	7.03	0.40	1.49
1/1/01	1.1391715	3.124178845	0.76	1.89	6.65	0.38	1.47
1/1/03	1.1056465	3.021177046	0.77	1.88	6.53	0.34	1.40
1/1/05	1.0720756	2.921436969	0.82	1.89	6.63	0.25	1.29
1/1/07	1.0385506	2.825119415	0.90	1.94	6.94	0.14	1.15
1/1/09	1.0049797	2.731851916	1.00	2.00	7.42	0.01	1.01
1/1/11	0.9714548	2.641784837	1.12	2.09	8.06	-0.14	0.87
1/1/13	0.9378839	2.554569881	1.24	2.18	8.85	-0.31	0.74
1/1/15	0.9043589	2.470347656	1.38	2.28	9.81	-0.47	0.62
1/1/17	0.870788	2.388792467	1.52	2.39	10.94	-0.65	0.52
1/1/19	0.837263	2.310035797	1.67	2.51	12.26	-0.83	0.44
1/1/21	0.8036921	2.233773087	1.82	2.62	13.78	-1.02	0.36
1/1/23	0.7701671	2.160127288	1.97	2.74	15.53	-1.20	0.30
1/1/25	0.7365963	2.088813605	2.13	2.86	17.54	-1.39	0.25
1/1/27	0.7030713	2.01994701	2.28	2.99	19.84	-1.58	0.21
1/1/29	0.6695004	1.95326119	2.44	3.11	22.47	-1.77	0.17
1/1/31	0.6359754	1.888863655	2.60	3.24	25.48	-1.97	0.14
1/1/33	0.6024045	1.826505374	2.76	3.36	28.92	-2.16	0.12
1/1/35	0.5688795	1.766286882	2.92	3.49	32.85	-2.35	0.09
1/1/37	0.5353086	1.707975307	3.08	3.62	37.34	-2.55	0.08
1/1/39	0.5017837	1.651664661	3.25	3.75	42.46	-2.74	0.06
1/1/41	0.4682128	1.597137185	3.41	3.88	48.31	-2.94	0.05

Derived values			
Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	2.833	INTERCEPT(y,x)
Observations, n	n	17.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	1.461	STEYX(y,x)
Average x	XAVG	36955.059	AVERAGE(x)
SSX	SSX	185630766.941	DEVSQ(x)
t(α,df)	t	2.131	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.543077165	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.11
R Square	0.012
Adjusted R Square	-0.054
Standard Error	1.461
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.391508432	0.391508432	0.183426	0.674531597
Residual	15	32.01634972	2.134423315		
Total	16	32.40785816			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	2.833	3.978492314	0.712185012	0.487281	-5.64653304	11.31337823	-5.64653304	11.31337823
Date	-5E-05	0.00010723	-0.428282453	0.674532	-0.000274479	0.00018263	-0.000274479	0.00018263

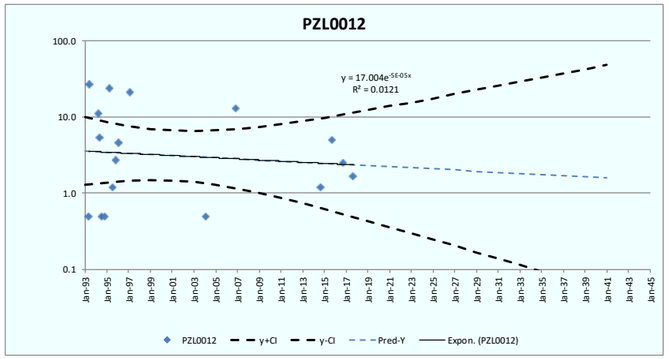


FIGURE H-23a: LINEAR REGRESSION ANALYSIS - TRANSECT Merged MBFB/MBFC-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0047

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	Det.Lim	Flags	Regression Data	LN(Regr Data)
SWL0047	198870.00000	58029.00000	Benzene	9/7/95	6.9	ug/l		J	6.9	1.931521412
SWL0047	198870.00000	58029.00000	Benzene	10/24/95		ug/l	0.5	ND	0.5	-0.693147181
SWL0047	198870.00000	58029.00000	Benzene	2/13/96		ug/l	0.5	ND	0.5	-0.693147181
SWL0047	198870.00000	58029.00000	Benzene	6/5/96		ug/l	0.5	ND	0.5	-0.693147181
SWL0047	198870.00000	58029.00000	Benzene	10/15/96		ug/l	0.5	ND	0.5	-0.693147181
SWL0047	198870.00000	58029.00000	Benzene	1/30/97		ug/l	0.5	ND	0.5	-0.693147181
SWL0047	198870.00000	58029.00000	Benzene	3/5/98		ug/l	1	ND	1	0
SWL0047	198870.00000	58029.00000	Benzene	2/11/99		ug/l	2	ND	2	0.693147181
SWL0047	198870.00000	58029.00000	Benzene	7/12/00		ug/l	1	ND	1	0
SWL0047	198870.00000	58029.00000	Benzene	1/28/04	3.7	ug/l			3.7	1.30833282
SWL0047	198870.00000	58029.00000	Benzene	11/7/06		ug/l	0.5	ND	0.5	-0.693147181
SWL0047	198870.00000	58029.00000	Benzene	9/25/14		ug/l	0.5	ND	0.5	-0.693147181
SWL0047	198870.00000	58029.00000	Benzene	9/30/15	15	ug/l			15	2.708050201
SWL0047	198870.00000	58029.00000	Benzene	9/14/16	2.2	ug/l	0.5		2.2	0.78845736
SWL0047	198870.00000	58029.00000	Benzene	9/8/17	0.26	ug/l		J	0.26	-1.347073648

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	-0.135545	0.873240193	1.07	0.93	2.55	-1.21	0.30
1/1/95	-0.093862	0.910408345	0.95	0.86	2.35	-1.04	0.35
1/1/97	-0.052122	0.949212702	0.84	0.79	2.20	-0.89	0.41
1/1/99	-0.01044	0.989614509	0.75	0.74	2.11	-0.77	0.47
1/1/01	0.0312999	1.031794872	0.69	0.72	2.06	-0.66	0.52
1/1/03	0.0729825	1.075711664	0.67	0.74	2.09	-0.59	0.55
1/1/05	0.1147221	1.121561748	0.68	0.79	2.21	-0.56	0.57
1/1/07	0.1564047	1.169299333	0.72	0.88	2.41	-0.57	0.57
1/1/09	0.1981444	1.219138406	0.80	1.00	2.72	-0.60	0.55
1/1/11	0.239827	1.271029194	0.90	1.14	3.13	-0.66	0.52
1/1/13	0.2815666	1.325204301	1.02	1.30	3.66	-0.73	0.48
1/1/15	0.3232492	1.381609624	1.14	1.47	4.33	-0.82	0.44
1/1/17	0.3649889	1.440498004	1.28	1.64	5.16	-0.91	0.40
1/1/19	0.4066715	1.501810629	1.42	1.82	6.19	-1.01	0.36
1/1/21	0.4484111	1.565822339	1.56	2.01	7.45	-1.11	0.33
1/1/23	0.4900937	1.632469206	1.71	2.20	8.99	-1.22	0.30
1/1/25	0.5318334	1.70204998	1.86	2.39	10.88	-1.32	0.27
1/1/27	0.573516	1.77449517	2.01	2.58	13.19	-1.43	0.24
1/1/29	0.6152556	1.85012952	2.16	2.77	16.01	-1.54	0.21
1/1/31	0.6569382	1.928877493	2.31	2.97	19.46	-1.65	0.19
1/1/33	0.6986779	2.011092084	2.47	3.16	23.67	-1.77	0.17
1/1/35	0.7403605	2.096691186	2.62	3.36	28.81	-1.88	0.15
1/1/37	0.7821002	2.186058504	2.78	3.56	35.10	-1.99	0.14
1/1/39	0.8237827	2.279104788	2.93	3.76	42.78	-2.11	0.12
1/1/41	0.8655224	2.376247126	3.09	3.95	52.17	-2.22	0.11

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	-2.075	INTERCEPT(y,x)
Observations, n	n	15.000	COUNT(x)
Std error in estimate, $S_{y,x}$	SYX	1.193	STEYX(y,x)
Average x	XAVG	37780.400	AVERAGE(x)
SSX	SSX	137495297.600	DEVSQ(x)
t(α,df)	t	2.160	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.667192732	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.303
R Square	0.092
Adjusted R Square	0.016
Standard Error	1.076
Observations	14

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.405792537	1.405792537	1.215009	0.291958926
Residual	12	13.88426293	1.157021911		
Total	13	15.29005547			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-4.017	3.609949765	-1.112646609	0.287653	-11.88200323	3.848806497	-11.88200323	3.848806497
34949	1E-04	9.47402E-05	1.102274663	0.291959	-0.000101991	0.000310851	-0.000101991	0.000310851

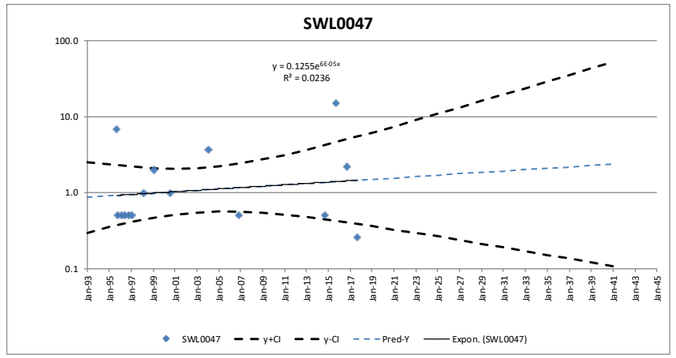


FIGURE H-23b: LINEAR REGRESSION ANALYSIS - TRANSECT Merged MBFB/MBFC-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0048

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0048	199100.30000	57233.90000	Benzene	9/7/95	40000	ug/l			40000	10.59663473
SWL0048	199100.30000	57233.90000	Benzene	10/23/95	42000	ug/l			42000	10.6454249
SWL0048	199100.30000	57233.90000	Benzene	2/13/96	43000	ug/l			43000	10.66895539
SWL0048	199100.30000	57233.90000	Benzene	6/11/96	33000	ug/l			33000	10.40426284
SWL0048	199100.30000	57233.90000	Benzene	10/17/96	33000	ug/l			33000	10.40426284
SWL0048	199100.30000	57233.90000	Benzene	2/6/97	38000	ug/l			38000	10.54534144
SWL0048	199100.30000	57233.90000	Benzene	3/13/98	22000	ug/l			22000	9.998797732
SWL0048	199100.30000	57233.90000	Benzene	2/10/99	49000	ug/l			49000	10.79957558
SWL0048	199100.30000	57233.90000	Benzene	7/25/00	59000	ug/l			59000	10.98529272
SWL0048	199100.30000	57233.90000	Benzene	2/2/04	190000	ug/l			190000	12.15477935
SWL0048	199100.30000	57233.90000	Benzene	10/25/06	180000	ug/l			180000	12.10071213
SWL0048	199100.30000	57233.90000	Benzene	9/25/14	180000	ug/l			180000	12.10071213
SWL0048	199100.30000	57233.90000	Benzene	10/2/15	140000	ug/l			140000	11.8493977
SWL0048	199100.30000	57233.90000	Benzene	9/16/16	200000	ug/l	500		200000	12.20607265
SWL0048	199100.30000	57233.90000	Benzene	9/13/17	170000	ug/l			170000	12.04355372

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	10.319184	30308.5108	0.37	10.69	43715.42	9.95	21013.31
1/1/95	10.481494	35649.6363	0.33	10.81	49342.90	10.16	25756.42
1/1/97	10.644027	41941.32741	0.29	10.93	55961.76	10.36	31433.52
1/1/99	10.806337	49332.44916	0.26	11.06	63876.28	10.55	38100.07
1/1/01	10.96887	58038.97646	0.24	11.21	73590.04	10.73	45774.17
1/1/03	11.13118	68266.91076	0.23	11.36	85754.19	10.90	54345.69
1/1/05	11.293713	80315.12107	0.23	11.53	101261.20	11.06	63701.78
1/1/07	11.456024	94468.67497	0.25	11.70	121041.14	11.21	73729.73
1/1/09	11.618556	111141.1514	0.27	11.89	146213.32	11.34	84481.74
1/1/11	11.780867	130727.0309	0.31	12.09	177927.21	11.47	96048.02
1/1/13	11.943399	153798.6294	0.35	12.29	217751.80	11.60	108628.35
1/1/15	12.10571	180901.8345	0.39	12.50	267422.25	11.71	122373.79
1/1/17	12.268243	212828.6248	0.44	12.70	329388.59	11.83	137515.46
1/1/19	12.430553	250334.4067	0.48	12.92	406369.04	11.95	154212.82
1/1/21	12.593086	294515.1312	0.53	13.13	502182.95	12.06	172724.23
1/1/23	12.755396	346416.1398	0.58	13.34	621053.10	12.17	193226.86
1/1/25	12.917929	407554.0243	0.63	13.55	768894.18	12.28	216024.89
1/1/27	13.080239	479375.3423	0.69	13.77	952237.09	12.39	241327.21
1/1/29	13.242772	563978.7742	0.74	13.98	1180219.00	12.50	269502.57
1/1/31	13.405082	663366.086	0.79	14.20	1462925.78	12.61	300804.44
1/1/33	13.567615	780441.4601	0.84	14.41	1814462.38	12.72	335685.59
1/1/35	13.729925	917974.9672	0.90	14.63	2250398.22	12.83	374457.30
1/1/37	13.892458	1079985.454	0.95	14.84	2792502.92	12.94	417678.55
1/1/39	14.054769	1270306.183	1.00	15.06	3464808.46	13.05	465733.62
1/1/41	14.217301	1494498.487	1.06	15.27	4300913.87	13.16	519314.22

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	2.766	INTERCEPT(y,x)
Observations, n	n	15.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.408	STEYX(y,x)
Average x	XAVG	37782.733	AVERAGE(x)
SSX	SSX	137432572.933	DEVSQ(x)
t(α,df)	t	2.160	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.667192732	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.865
R Square	0.749
Adjusted R Square	0.728
Standard Error	0.425
Observations	14

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	6.449803276	6.449803276	35.78439	6.39093E-05
Residual	12	2.162888311	0.180240693		
Total	13	8.612691586			

		Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	34949	2E-04	3.74041E-05	5.982005535	6.39E-05	0.000142255	0.000305248	0.000142255	0.000305248

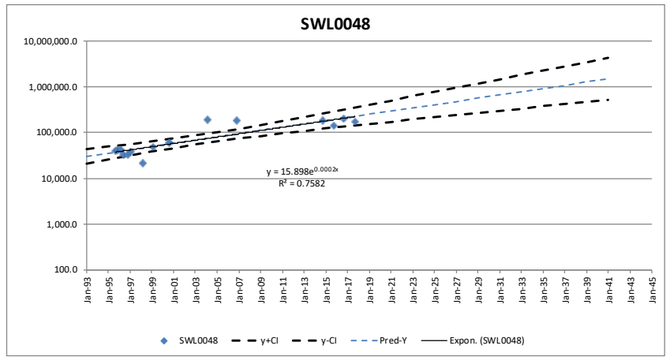


FIGURE H-23c: LINEAR REGRESSION ANALYSIS - TRANSECT Merged MBFB/MBFC-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0048

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0048	199100.30000	57233.90000	Benzene	2/2/04	190000	ug/l			190000	12.15477935
SWL0048	199100.30000	57233.90000	Benzene	10/25/06	180000	ug/l			180000	12.10071213
SWL0048	199100.30000	57233.90000	Benzene	9/25/14	180000	ug/l			180000	12.10071213
SWL0048	199100.30000	57233.90000	Benzene	10/2/15	140000	ug/l			140000	11.8493977
SWL0048	199100.30000	57233.90000	Benzene	9/16/16	200000	ug/l	500		200000	12.20607265
SWL0048	199100.30000	57233.90000	Benzene	9/13/17	170000	ug/l			170000	12.04355372

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	12.208807	200547.6102	0.58	12.79	358437.99	11.63	112207.26
1/1/95	12.195272	197851.5657	0.53	12.72	334689.40	11.67	116959.91
1/1/97	12.181719	195188.1463	0.47	12.65	312643.25	11.71	121859.06
1/1/99	12.168185	192564.1513	0.42	12.59	292282.24	11.75	126866.94
1/1/01	12.154631	189971.9095	0.36	12.52	273500.27	11.79	131953.53
1/1/03	12.141097	187418.0385	0.31	12.45	256340.65	11.83	137026.73
1/1/05	12.127544	184895.0722	0.26	12.39	240820.26	11.86	141957.27
1/1/07	12.114009	182409.4512	0.22	12.33	227177.01	11.89	146463.80
1/1/09	12.100456	179953.909	0.18	12.28	215812.44	11.92	150053.48
1/1/11	12.086921	177534.7141	0.16	12.24	207564.31	11.93	151849.68
1/1/13	12.073368	175144.7942	0.15	12.22	203392.24	11.92	150820.40
1/1/15	12.059834	172790.2502	0.16	12.22	203542.82	11.90	146683.98
1/1/17	12.046281	170464.1989	0.19	12.24	207074.94	11.85	140326.22
1/1/19	12.032746	168172.5781	0.24	12.27	212799.05	11.80	132904.81
1/1/21	12.019193	165908.6885	0.28	12.30	219949.61	11.74	125145.45
1/1/23	12.005658	163678.3093	0.33	12.34	228088.67	11.67	117456.91
1/1/25	11.992105	161474.9202	0.38	12.38	237022.85	11.61	110006.90
1/1/27	11.978571	159304.146	0.44	12.42	246616.71	11.54	102903.86
1/1/29	11.965017	157159.6406	0.49	12.46	256839.99	11.47	96165.53
1/1/31	11.951483	155046.8785	0.55	12.50	267638.31	11.41	89820.98
1/1/33	11.93793	152959.6832	0.60	12.54	279032.38	11.34	83849.28
1/1/35	11.924395	150903.3829	0.66	12.58	290993.11	11.27	78255.57
1/1/37	11.910842	148871.9661	0.71	12.62	303562.55	11.20	73009.21
1/1/39	11.897307	146870.6186	0.77	12.67	316720.63	11.13	68107.27
1/1/41	11.883754	144893.4897	0.82	12.71	330521.55	11.06	63518.17

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	12.839	INTERCEPT(y,x)
Observations, n	n	6.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.132	STEYX(y,x)
Average x	XAVG	41140.000	AVERAGE(x)
SSX	SSX	21785198.000	DEVSQ(x)
t(α,df)	t	2.776	TINV(0.05,n-2)
F-Stat		7.708647422	F.INV(.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.312
R Square	0.098
Adjusted R Square	-0.128
Standard Error	0.132
Observations	6

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.007488698	0.007488698	0.432504	0.546683698
Residual	4	0.069259024	0.017314756		
Total	5	0.076747722			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	12.84	1.161066406	11.05761828	0.00038	9.614991978	16.06226626	9.614991978	16.06226626
Date	-2E-05	2.81921E-05	-0.657650206	0.546684	-9.68144E-05	5.97333E-05	-9.68144E-05	5.97333E-05

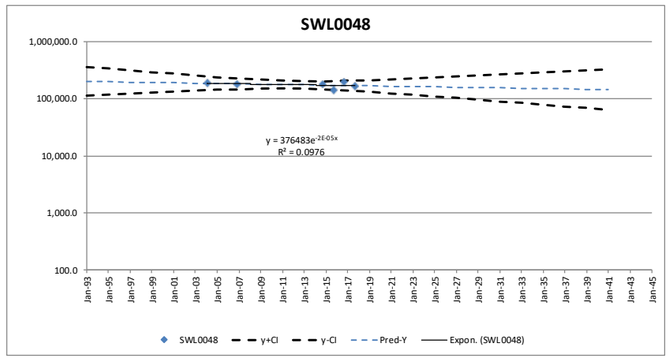


FIGURE H-23d: LINEAR REGRESSION ANALYSIS - TRANSECT Merged MBFB/MBFC-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

XP-02

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
XP-02	199180.60000	56877.30000	Benzene	3/1/93	1.6	ug/l			1.6	0.470003629
XP-02	199180.60000	56877.30000	Benzene	4/5/94	3	ug/l			3	1.098612289
XP-02	199180.60000	56877.30000	Benzene	4/26/94	37	ug/l			37	3.610917913
XP-02	199180.60000	56877.30000	Benzene	7/15/94	0.78	ug/l			0.78	-0.248461359
XP-02	199180.60000	56877.30000	Benzene	10/11/94	0.8	ug/l			0.8	-0.223143551
XP-02	199180.60000	56877.30000	Benzene	3/16/95	0.6	ug/l			0.6	-0.510825624
XP-02	199180.60000	56877.30000	Benzene	6/27/95		ug/l	0.5	ND	0.5	-0.693147181
XP-02	199180.60000	56877.30000	Benzene	10/17/95	0.92	ug/l			0.92	-0.083381609
XP-02	199180.60000	56877.30000	Benzene	2/13/96	9.1	ug/l			9.1	2.208274414
XP-02	199180.60000	56877.30000	Benzene	1/30/97		ug/l	0.5	ND	0.5	-0.693147181
XP-02	199180.60000	56877.30000	Benzene	3/2/98	0.41	ug/l		J	0.41	-0.891598119
XP-02	199180.60000	56877.30000	Benzene	2/9/99		ug/l	2	ND	2	0.693147181
XP-02	199180.60000	56877.30000	Benzene	7/26/00		ug/l	1	ND	1	0
XP-02	199180.60000	56877.30000	Benzene	1/23/04		ug/l	0.5	ND	0.5	-0.693147181
XP-02	199180.60000	56877.30000	Benzene	10/25/06	7.6	ug/l			7.6	2.028148247
XP-02	199180.60000	56877.30000	Benzene	2/18/11		ug/l	0.5	ND	0.5	-0.693147181
XP-02	199180.60000	56877.30000	Benzene	6/8/11	9.5	ug/l			9.5	2.251291799
XP-02	199180.60000	56877.30000	Benzene	9/7/11		ug/l	0.5	ND	0.5	-0.693147181
XP-02	199180.60000	56877.30000	Benzene	12/8/11		ug/l	0.5	ND	0.5	-0.693147181
XP-02	199180.60000	56877.30000	Benzene	9/25/14	2.1	ug/l			2.1	0.741937345
XP-02	199180.60000	56877.30000	Benzene	9/25/14		ug/l	0.5	ND	0.5	-0.693147181
XP-02	199180.60000	56877.30000	Benzene	10/2/15	0.46	ug/l		J	0.46	-0.776528789
XP-02	199180.60000	56877.30000	Benzene	9/16/16		ug/l	0.5	ND	0.5	-0.693147181
XP-02	199180.60000	56877.30000	Benzene	9/11/17	0.65	ug/l	0.5	ND	0.65	-0.430782916

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	0.5340947	1.705903145	0.81	1.34	3.83	-0.27	0.76
1/1/95	0.4675845	1.596134047	0.72	1.19	3.28	-0.25	0.78
1/1/97	0.4009832	1.49329216	0.64	1.04	2.84	-0.24	0.78
1/1/99	0.334473	1.39720386	0.58	0.92	2.50	-0.25	0.78
1/1/01	0.2678717	1.307179415	0.54	0.80	2.23	-0.27	0.76
1/1/03	0.2013615	1.22306684	0.52	0.72	2.05	-0.31	0.73
1/1/05	0.1347602	1.144262367	0.52	0.66	1.93	-0.39	0.68
1/1/07	0.06825	1.070632954	0.55	0.62	1.86	-0.49	0.62
1/1/09	0.0016487	1.00165008	0.61	0.61	1.84	-0.61	0.55
1/1/11	-0.064861	0.937197285	0.68	0.61	1.84	-0.74	0.48
1/1/13	-0.131463	0.87681192	0.76	0.63	1.87	-0.89	0.41
1/1/15	-0.197973	0.820392038	0.85	0.65	1.92	-1.05	0.35
1/1/17	-0.264574	0.767532652	0.95	0.68	1.98	-1.21	0.30
1/1/19	-0.331084	0.718144522	1.05	0.72	2.05	-1.38	0.25
1/1/21	-0.397686	0.671873133	1.15	0.75	2.12	-1.55	0.21
1/1/23	-0.464196	0.62864037	1.26	0.79	2.21	-1.72	0.18
1/1/25	-0.530797	0.588135901	1.37	0.84	2.31	-1.90	0.15
1/1/27	-0.597307	0.550291344	1.48	0.88	2.41	-2.07	0.13
1/1/29	-0.663909	0.514835049	1.59	0.92	2.52	-2.25	0.11
1/1/31	-0.730419	0.481707155	1.70	0.97	2.64	-2.43	0.09
1/1/33	-0.79702	0.450669866	1.81	1.02	2.76	-2.61	0.07
1/1/35	-0.86353	0.421670784	1.93	1.06	2.89	-2.79	0.06
1/1/37	-0.930132	0.394501751	2.04	1.11	3.03	-2.97	0.05
1/1/39	-0.996642	0.369116898	2.15	1.16	3.18	-3.15	0.04
1/1/41	-1.063243	0.345334009	2.27	1.21	3.34	-3.33	0.04

Derived values

Slope, m	m	-9.111E-05	SLOPE(y,x)
Intercept, b	b	3.629	INTERCEPT(y,x)
Observations, n	n	24.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	1.216	STEYX(y,x)
Average x	XAVG	37823.333	AVERAGE(x)
SSX	SSX	243667303.333	DEVSQ(x)
t(α,df)	t	2.074	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.300949502	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.242
R Square	0.059
Adjusted R Square	0.016
Standard Error	1.216
Observations	24

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	2.022683379	2.022683379	1.3677	0.254722452
Residual	22	32.53566613	1.478893915		
Total	23	34.55834951			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	3.629	2.957095186	1.227250392	0.2327	-2.503543838	9.761736292	-2.503543838	9.761736292
Date	-9E-05	7.79058E-05	-1.169487116	0.254722	-0.000252677	7.04569E-05	-0.000252677	7.04569E-05

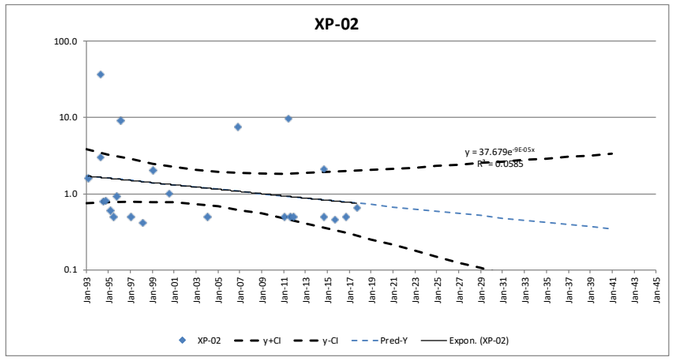


FIGURE H-23e: LINEAR REGRESSION ANALYSIS - TRANSECT Merged MBFB/MBFC-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0050

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0050	199003.00000	56528.00000	Benzene	10/25/95	53000	ug/l			53000	10.87804719
SWL0050	199003.00000	56528.00000	Benzene	2/15/96	82000	ug/l			82000	11.31447453
SWL0050	199003.00000	56528.00000	Benzene	6/12/96	75000	ug/l			75000	11.22524339
SWL0050	199003.00000	56528.00000	Benzene	10/17/96	69000	ug/l			69000	11.14186178
SWL0050	199003.00000	56528.00000	Benzene	2/4/97	74000	ug/l			74000	11.21182037
SWL0050	199003.00000	56528.00000	Benzene	3/16/98	46000	ug/l			46000	10.73639668
SWL0050	199003.00000	56528.00000	Benzene	2/15/99	62000	ug/l			62000	11.03488966
SWL0050	199003.00000	56528.00000	Benzene	7/21/00	46000	ug/l			46000	10.73639668
SWL0050	199003.00000	56528.00000	Benzene	1/19/04	89000	ug/l			89000	11.39639165
SWL0050	199003.00000	56528.00000	Benzene	1/26/04	84000	ug/l			84000	11.33857208
SWL0050	199003.00000	56528.00000	Benzene	10/26/06	78000	ug/l			78000	11.26446411
SWL0050	199003.00000	56528.00000	Benzene	9/11/14	2700	ug/l			2700	7.901007052
SWL0050	199003.00000	56528.00000	Benzene	10/1/15	1900	ug/l			1900	7.549609165
SWL0050	199003.00000	56528.00000	Benzene	9/15/16	20000	ug/l	100		20000	9.903487553
SWL0050	199003.00000	56528.00000	Benzene	9/15/16	22000	ug/l	100		22000	9.998797732
SWL0050	199003.00000	56528.00000	Benzene	9/12/17	57000	ug/l			57000	10.95080655

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	11.569104	105778.6403	0.87	12.44	253448.31	10.70	44147.55
1/1/95	11.394009	88788.2389	0.78	12.17	193362.02	10.62	40769.91
1/1/97	11.218675	74509.00021	0.69	11.91	148653.05	10.53	37345.96
1/1/99	11.043581	62541.19825	0.61	11.66	115637.73	10.43	33824.61
1/1/01	10.868247	52483.10149	0.55	11.42	91391.59	10.31	30139.27
1/1/03	10.693152	44053.14856	0.52	11.21	73846.49	10.18	26279.92
1/1/05	10.517818	36968.36536	0.51	11.02	61273.77	10.01	22304.16
1/1/07	10.342723	31030.42398	0.52	10.87	52325.99	9.82	18401.70
1/1/09	10.167389	26040.00141	0.57	10.73	45849.91	9.60	14789.16
1/1/11	9.9922947	21857.39825	0.63	10.62	41019.30	9.36	11646.85
1/1/13	9.8169605	18342.21414	0.71	10.53	37249.60	9.11	9031.96
1/1/15	9.6418661	15396.04675	0.80	10.44	34191.56	8.84	6932.65
1/1/17	9.4665318	12920.00005	0.89	10.36	31615.23	8.57	5279.94
1/1/19	9.2914374	10844.76079	1.00	10.29	29390.51	8.29	4001.59
1/1/21	9.1161031	9100.667996	1.10	10.22	27423.85	8.01	3020.08
1/1/23	8.9410087	7638.898384	1.21	10.15	25663.10	7.73	2273.80
1/1/25	8.7656744	6410.383722	1.32	10.09	24064.08	7.44	1707.65
1/1/27	8.59058	5380.733576	1.44	10.03	22603.35	7.16	1280.89
1/1/29	8.4152457	4515.384967	1.55	9.96	21256.47	6.87	959.18
1/1/31	8.2401513	3790.113752	1.66	9.90	20011.71	6.58	717.83
1/1/33	8.064817	3180.57425	1.78	9.84	18853.65	6.29	536.56
1/1/35	7.8897226	2669.703313	1.90	9.79	17775.86	5.99	400.95
1/1/37	7.7143884	2240.352182	2.01	9.73	16767.56	5.70	299.34
1/1/39	7.5392939	1880.501812	2.13	9.67	15824.98	5.41	223.46
1/1/41	7.3639597	1578.072858	2.25	9.61	14939.99	5.12	166.69

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	19.717	INTERCEPT(y,x)
Observations, n	n	16.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.942	STEYX(y,x)
Average x	XAVG	38275.563	AVERAGE(x)
SSX	SSX	148860733.938	DEVSQ(x)
t(α,df)	t	2.145	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.600109937	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.639
R Square	0.408
Adjusted R Square	0.366
Standard Error	0.942
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	8.564046597	8.564046597	9.649993	0.007732779
Residual	14	12.42453298	0.887466642		
Total	15	20.98857958			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	19.72	2.964709771	6.650563489	1.1E-05	13.35832051	26.07566061	13.35832051	26.07566061
Date	-2E-04	7.72122E-05	-3.106443736	0.007733	-0.000405459	-7.42517E-05	-0.000405459	-7.42517E-05

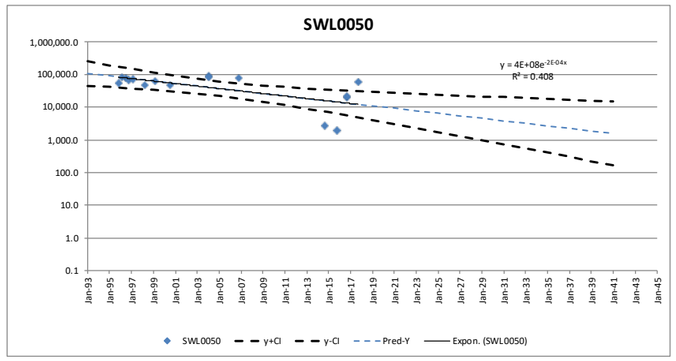


FIGURE H-23f: LINEAR REGRESSION ANALYSIS - TRANSECT Merged MBFB/MBFC-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

G-01WC

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
G-01WC	199594.00000	56220.00000	Benzene	3/24/95	21	ug/l			21	3.044522438
G-01WC	199594.00000	56220.00000	Benzene	6/28/95	1.7	ug/l			1.7	0.530628251
G-01WC	199594.00000	56220.00000	Benzene	10/16/95	2.9	ug/l			2.9	1.064710737
G-01WC	199594.00000	56220.00000	Benzene	2/8/96	3.2	ug/l			3.2	1.16315081
G-01WC	199594.00000	56220.00000	Benzene	1/28/97	4.7	ug/l			4.7	1.547562509
G-01WC	199594.00000	56220.00000	Benzene	2/27/98	7.5	ug/l			7.5	2.014903021
G-01WC	199594.00000	56220.00000	Benzene	2/16/99	7.2	ug/l			7.2	1.974081026
G-01WC	199594.00000	56220.00000	Benzene	7/21/00	9.3	ug/l			9.3	2.2300144
G-01WC	199594.00000	56220.00000	Benzene	1/21/04	5.9	ug/l			5.9	1.774952351
G-01WC	199594.00000	56220.00000	Benzene	11/13/06	3.5	ug/l			3.5	1.252762968
G-01WC	199594.00000	56220.00000	Benzene	2/16/12		ug/l	0.5	ND	0.5	-0.693147181
G-01WC	199594.00000	56220.00000	Benzene	9/5/14		ug/l	0.5	ND	0.5	-0.693147181
G-01WC	199594.00000	56220.00000	Benzene	10/1/15		ug/l	0.5	ND	0.5	-0.693147181
G-01WC	199594.00000	56220.00000	Benzene	9/13/16		ug/l	0.5	ND	0.5	-0.693147181
G-01WC	199594.00000	56220.00000	Benzene	9/8/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	2.2494018	9.482062169	0.70	2.95	19.13	1.55	4.70
1/1/95	2.0075999	7.445425997	0.63	2.63	13.91	1.38	3.98
1/1/97	1.7654667	5.84429932	0.56	2.32	10.18	1.21	3.35
1/1/99	1.5236648	4.589012107	0.50	2.02	7.54	1.03	2.79
1/1/01	1.2815316	3.602152563	0.45	1.73	5.65	0.83	2.30
1/1/03	1.0397297	2.828452277	0.42	1.46	4.32	0.62	1.85
1/1/05	0.7975965	2.220198244	0.42	1.22	3.38	0.38	1.46
1/1/07	0.5557946	1.7433256	0.44	0.99	2.70	0.12	1.12
1/1/09	0.3136614	1.368426283	0.48	0.79	2.21	-0.16	0.85
1/1/11	0.0718594	1.074504305	0.53	0.60	1.83	-0.46	0.63
1/1/13	-0.170274	0.843433912	0.60	0.43	1.54	-0.77	0.46
1/1/15	-0.412076	0.662274162	0.67	0.26	1.30	-1.09	0.34
1/1/17	-0.654209	0.519853187	0.75	0.10	1.10	-1.41	0.24
1/1/19	-0.896011	0.408194796	0.84	-0.06	0.94	-1.73	0.18
1/1/21	-1.138144	0.320413173	0.93	-0.21	0.81	-2.06	0.13
1/1/23	-1.379946	0.251592167	1.01	-0.37	0.69	-2.39	0.09
1/1/25	-1.622079	0.197487683	1.11	-0.52	0.60	-2.73	0.07
1/1/27	-1.863881	0.155069636	1.20	-0.67	0.51	-3.06	0.05
1/1/29	-2.106014	0.121722165	1.29	-0.81	0.44	-3.40	0.03
1/1/31	-2.347816	0.095577666	1.39	-0.96	0.38	-3.73	0.02
1/1/33	-2.589949	0.075023845	1.48	-1.11	0.33	-4.07	0.02
1/1/35	-2.831751	0.0589096	1.58	-1.26	0.28	-4.41	0.01
1/1/37	-3.073884	0.046241187	1.67	-1.40	0.25	-4.75	0.01
1/1/39	-3.315686	0.03630912	1.77	-1.55	0.21	-5.08	0.01
1/1/41	-3.557819	0.028500903	1.86	-1.69	0.18	-5.42	0.00

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	13.501	INTERCEPT(y,x)
Observations, n	n	15.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.751	STEYX(y,x)
Average x	XAVG	38118.000	AVERAGE(x)
SSX	SSX	142733862.000	DEVSQ(x)
t(α,df)	t	2.160	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.667192732	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.825
R Square	0.681
Adjusted R Square	0.657
Standard Error	0.751
Observations	15

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	15.66032781	15.66032781	27.782	0.000151297
Residual	13	7.327919239	0.563686095		
Total	14	22.98824704			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	13.5	2.403270862	5.617957179	8.37E-05	8.309521748	18.69342384	8.309521748	18.69342384
Date	-3E-04	6.28427E-05	-5.270863426	0.000151	-0.000466999	-0.000195472	-0.000466999	-0.000195472

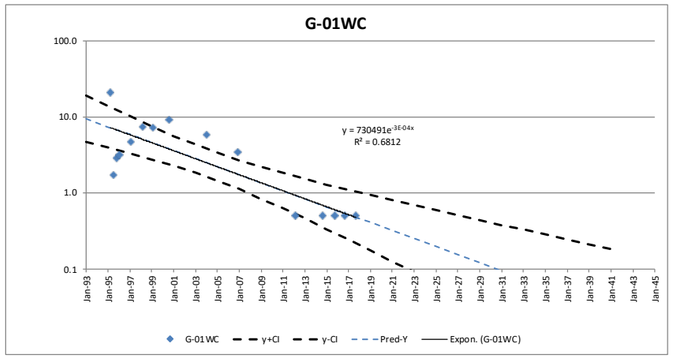


FIGURE H-23g: LINEAR REGRESSION ANALYSIS - TRANSECT Merged MBFB/MBFC-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

SWL0037

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
SWL0037	199562.10000	57710.00000	Benzene	3/28/94	0.53	ug/l			0.53	-0.634878272
SWL0037	199562.10000	57710.00000	Benzene	4/26/94		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	7/19/94		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	10/12/94		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	3/15/95		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	7/5/95		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	10/19/95		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	2/9/96		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	1/30/97		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	3/3/98		ug/l	1	ND	1	0
SWL0037	199562.10000	57710.00000	Benzene	2/5/99		ug/l	1	ND	1	0
SWL0037	199562.10000	57710.00000	Benzene	7/14/00		ug/l	1	ND	1	0
SWL0037	199562.10000	57710.00000	Benzene	1/15/04		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	10/16/06		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	2/20/12		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	9/25/14		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	9/30/15		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	9/12/16		ug/l	0.5	ND	0.5	-0.693147181
SWL0037	199562.10000	57710.00000	Benzene	9/7/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	-0.535464	0.585397727	0.19	-0.35	0.71	-0.72	0.49
1/1/95	-0.545202	0.579724904	0.17	-0.38	0.69	-0.71	0.49
1/1/97	-0.554953	0.574099396	0.15	-0.41	0.67	-0.70	0.49
1/1/99	-0.564691	0.56853606	0.14	-0.43	0.65	-0.70	0.50
1/1/01	-0.574442	0.563019125	0.13	-0.45	0.64	-0.70	0.50
1/1/03	-0.584179	0.557563163	0.13	-0.46	0.63	-0.71	0.49
1/1/05	-0.593931	0.552152706	0.13	-0.46	0.63	-0.73	0.48
1/1/07	-0.603668	0.546802046	0.15	-0.46	0.63	-0.75	0.47
1/1/09	-0.61342	0.541496013	0.16	-0.45	0.64	-0.78	0.46
1/1/11	-0.623157	0.536248621	0.18	-0.44	0.64	-0.81	0.45
1/1/13	-0.632909	0.531044996	0.20	-0.43	0.65	-0.84	0.43
1/1/15	-0.642646	0.52589888	0.23	-0.41	0.66	-0.87	0.42
1/1/17	-0.652397	0.520795686	0.25	-0.40	0.67	-0.91	0.40
1/1/19	-0.662135	0.515748892	0.28	-0.38	0.68	-0.94	0.39
1/1/21	-0.671886	0.510744191	0.31	-0.37	0.69	-0.98	0.38
1/1/23	-0.681624	0.505794802	0.33	-0.35	0.71	-1.02	0.36
1/1/25	-0.691375	0.500886693	0.36	-0.33	0.72	-1.05	0.35
1/1/27	-0.701113	0.496032828	0.39	-0.31	0.73	-1.09	0.34
1/1/29	-0.710864	0.491219447	0.42	-0.29	0.75	-1.13	0.32
1/1/31	-0.720602	0.486459263	0.45	-0.27	0.76	-1.17	0.31
1/1/33	-0.730353	0.481738781	0.48	-0.25	0.78	-1.21	0.30
1/1/35	-0.740091	0.47707047	0.50	-0.24	0.79	-1.24	0.29
1/1/37	-0.749842	0.472441095	0.53	-0.22	0.81	-1.28	0.28
1/1/39	-0.75958	0.467862883	0.56	-0.20	0.82	-1.32	0.27
1/1/41	-0.769331	0.463322856	0.59	-0.18	0.84	-1.36	0.26

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	-0.082	INTERCEPT(y,x)
Observations, n	n	19.000	COUNT(x)
Std error in estimate, $S_{y,x}$	SYX	0.263	STEYX(y,x)
Average x	XAVG	37356.368	AVERAGE(x)
SSX	SSX	184042990.421	DEVSQ(x)
t(α,df)	t	2.110	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.451321772	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.165
R Square	0.027
Adjusted R Square	-0.03
Standard Error	0.263
Observations	19

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.032748817	0.032748817	0.475233	0.499891994
Residual	17	1.171489387	0.06891114		
Total	18	1.204238204			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	-0.082	0.725356972	-0.113492282	0.91097	-1.612691856	1.44804702	-1.612691856	1.44804702
Date	-1E-05	1.93502E-05	-0.689371123	0.499892	-5.41648E-05	2.74859E-05	-5.41648E-05	2.74859E-05

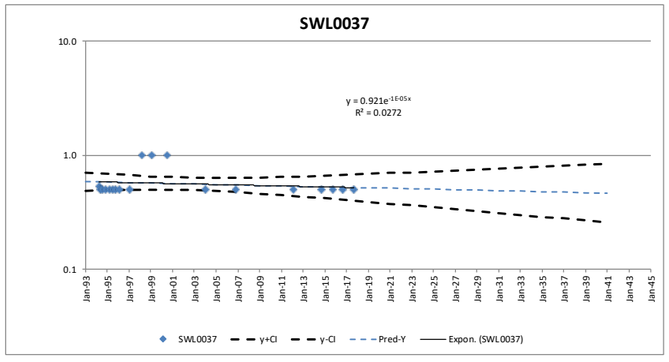


FIGURE H-23h: LINEAR REGRESSION ANALYSIS - TRANSECT Merged MBFB/MBFC-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

MW-12

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
MW-12	197806.00000	57208.00000	Benzene	2/2/89	14000	ug/l			14000	9.546812609
MW-12	197806.00000	57208.00000	Benzene	2/7/89	6200	ug/l			6200	8.732304571
MW-12	197806.00000	57208.00000	Benzene	5/16/89	13000	ug/l			13000	9.472704636
MW-12	197806.00000	57208.00000	Benzene	10/25/89	12000	ug/l			12000	9.392661929
MW-12	197806.00000	57208.00000	Benzene	2/24/90	11000	ug/l			11000	9.305650552
MW-12	197806.00000	57208.00000	Benzene	4/18/90	12000	ug/l			12000	9.392661929
MW-12	197806.00000	57208.00000	Benzene	11/28/90	8300	ug/l			8300	9.024010794
MW-12	197806.00000	57208.00000	Benzene	4/23/91	9400	ug/l			9400	9.148464968
MW-12	197806.00000	57208.00000	Benzene	11/21/91	5800	ug/l			5800	8.665613197
MW-12	197806.00000	57208.00000	Benzene	2/23/93	4200	ug/l			4200	8.342839804
MW-12	197806.00000	57208.00000	Benzene	2/14/94	3300	ug/l			3300	8.101677747
MW-12	197806.00000	57208.00000	Benzene	5/23/94	5300	ug/l			5300	8.5754621
MW-12	197806.00000	57208.00000	Benzene	7/27/94	4300	ug/l			4300	8.366370302
MW-12	197806.00000	57208.00000	Benzene	10/6/94	2000	ug/l			2000	7.60090246
MW-12	197806.00000	57208.00000	Benzene	3/9/95	6500	ug/l			6500	8.779557456
MW-12	197806.00000	57208.00000	Benzene	6/23/95	7200	ug/l			7200	8.881836305
MW-12	197806.00000	57208.00000	Benzene	12/2/95	4100	ug/l			4100	8.318742253
MW-12	197806.00000	57208.00000	Benzene	2/5/96	3300	ug/l			3300	8.101677747
MW-12	197806.00000	57208.00000	Benzene	1/21/04	580	ug/l			580	6.363028104
MW-12	197806.00000	57208.00000	Benzene	9/9/14	4.7	ug/l			4.7	1.547562509
MW-12	197806.00000	57208.00000	Benzene	9/28/15	5.3	ug/l			5.3	1.667706821
MW-12	197806.00000	57208.00000	Benzene	9/21/16		ug/l	25	ND	25	3.218875825
MW-12	197806.00000	57208.00000	Benzene	9/12/17	8	ug/l			8	2.079441542

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	8.6240683	5563.976291	0.27	8.90	7320.90	8.35	4228.69
1/1/95	8.0853369	3246.513562	0.26	8.34	4199.19	7.83	2509.97
1/1/97	7.5458676	1892.904345	0.25	7.80	2432.39	7.30	1473.07
1/1/99	7.0071363	1104.487026	0.26	7.26	1426.17	6.75	855.36
1/1/01	6.4676669	643.9795341	0.27	6.74	844.64	6.20	490.99
1/1/03	5.9289356	375.7543494	0.30	6.22	505.16	5.63	279.50
1/1/05	5.3894663	219.0864221	0.33	5.72	304.04	5.06	157.87
1/1/07	4.8507349	127.8343047	0.36	5.22	184.08	4.49	88.78
1/1/09	4.3112656	74.53476051	0.41	4.72	111.79	3.91	49.70
1/1/11	3.7725343	43.49014054	0.45	4.22	68.12	3.32	27.76
1/1/13	3.2330649	25.35725615	0.49	3.73	41.57	2.74	15.47
1/1/15	2.6943336	14.79565543	0.54	3.24	25.42	2.15	8.61
1/1/17	2.1548643	8.626719065	0.59	2.74	15.55	1.57	4.78
1/1/19	1.6161329	5.033587309	0.64	2.25	9.53	0.98	2.66
1/1/21	1.0766636	2.934871241	0.69	1.77	5.84	0.39	1.47
1/1/23	0.5379322	1.712462237	0.74	1.28	3.58	-0.20	0.82
1/1/25	-0.001537	0.99846409	0.79	0.79	2.20	-0.79	0.45
1/1/27	-0.540268	0.582591845	0.84	0.30	1.35	-1.38	0.25
1/1/29	-1.079738	0.339684592	0.89	-0.19	0.83	-1.97	0.14
1/1/31	-1.618469	0.198201893	0.94	-0.67	0.51	-2.56	0.08
1/1/33	-2.157938	0.115563116	1.00	-1.16	0.31	-3.15	0.04
1/1/35	-2.69667	0.067429695	1.05	-1.65	0.19	-3.74	0.02
1/1/37	-3.236139	0.039315395	1.10	-2.14	0.12	-4.34	0.01
1/1/39	-3.77487	0.022940062	1.15	-2.62	0.07	-4.93	0.01
1/1/41	-4.31434	0.013375377	1.20	-3.11	0.04	-5.52	0.00

Derived values

Slope, m	m	-0.001 SLOPE(y,x)
Intercept, b	b	33.694 INTERCEPT(y,x)
Observations, n	n	23.000 COUNT(x)
Std error in estimate, S_{yx}	SYX	0.578 STEYX(y,x)
Average x	XAVG	35485.696 AVERAGE(x)
SSX	SSX	267009688.870 DEVSQ(x)
t(α,df)	t	2.080 TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.324793743 F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.976700154
R Square	0.95394319
Adjusted R Square	0.951750009
Standard Error	0.578214415
Observations	23

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	145.420551	145.420551	434.9586	1.62024E-15
Residual	21	7.020970105	0.33433191		
Total	22	152.4415211			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	33.69352541	1.261454169	26.71006703	1.08E-17	31.07018786	36.31686297	31.07018786	36.31686297
Date	-0.000737988	3.53855E-05	-20.85566193	1.62E-15	-0.000811576	-0.0006644	-0.000811576	-0.0006644

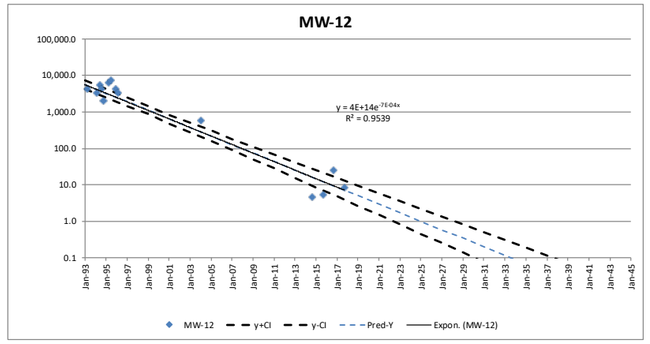


FIGURE H-23i: LINEAR REGRESSION ANALYSIS - TRANSECT Merged MBFB/MBFC-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

MW-27

Experimental data

ample II	Xcoord	yCoord	Compound	Date	centra	units	etLir	lagession	LN(Regr Data)
MW-27	197861.00000	57935.00000	Benzene	9/24/91	170	ug/l		170	5.135798437
MW-27	197861.00000	57935.00000	Benzene	10/9/91	140	ug/l		140	4.941642423
MW-27	197861.00000	57935.00000	Benzene	2/23/93	120	ug/l		120	4.787491743
MW-27	197861.00000	57935.00000	Benzene	12/2/95	20	ug/l		20	2.995732274
MW-27	197861.00000	57935.00000	Benzene	6/6/96	10	ug/l	J	10	2.302585093
MW-27	197861.00000	57935.00000	Benzene	10/14/96	17	ug/l		17	2.833213344
MW-27	197861.00000	57935.00000	Benzene	1/16/97	5.6	ug/l	J	5.6	1.722766598
MW-27	197861.00000	57935.00000	Benzene	3/5/98	5.4	ug/l		5.4	1.686398954
MW-27	197861.00000	57935.00000	Benzene	2/1/99	10	ug/l		10	2.302585093
MW-27	197861.00000	57935.00000	Benzene	7/17/00	22	ug/l		22	3.091042453
MW-27	197861.00000	57935.00000	Benzene	1/21/04	2.6	ug/l		2.6	0.955511445
MW-27	197861.00000	57935.00000	Benzene	10/26/06		ug/l	2 ND	2	0.693147181
MW-27	197861.00000	57935.00000	Benzene	9/8/14		ug/l	0.5 ND	0.5	-0.693147181
MW-27	197861.00000	57935.00000	Benzene	9/30/15		ug/l	0.5 ND	0.5	-0.693147181
MW-27	197861.00000	57935.00000	Benzene	9/19/16	0.29	ug/l	0.5 J	0.29	-1.237874356
MW-27	197861.00000	57935.00000	Benzene	9/7/17		ug/l	0.5 ND	0.5	-0.693147181

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	3.8353624	46.31020818	0.58	4.42	82.70	3.26	25.93
1/1/95	3.4143951	30.39855523	0.52	3.93	51.07	2.90	18.10
1/1/97	2.9928511	19.94245907	0.47	3.46	31.81	2.53	12.50
1/1/99	2.5718837	13.09046034	0.43	3.00	20.09	2.14	8.53
1/1/01	2.1503397	8.587775553	0.41	2.56	12.89	1.74	5.72
1/1/03	1.7293724	5.637115005	0.40	2.13	8.44	1.33	3.77
1/1/05	1.3078284	3.698134152	0.42	1.73	5.63	0.89	2.43
1/1/07	0.8868611	2.427497946	0.46	1.34	3.83	0.43	1.54
1/1/09	0.4653171	1.592519055	0.50	0.97	2.64	-0.04	0.96
1/1/11	0.0443497	1.04534789	0.56	0.61	1.83	-0.52	0.60
1/1/13	-0.377194	0.685782839	0.63	0.25	1.29	-1.01	0.37
1/1/15	-0.798162	0.450155772	0.70	-0.10	0.91	-1.50	0.22
1/1/17	-1.219706	0.295317096	0.78	-0.44	0.64	-2.00	0.14
1/1/19	-1.640673	0.193849551	0.85	-0.79	0.46	-2.50	0.08
1/1/21	-2.062217	0.127171726	0.94	-1.13	0.32	-3.00	0.05
1/1/23	-2.483184	0.083476989	1.02	-1.47	0.23	-3.50	0.03
1/1/25	-2.904728	0.05476367	1.10	-1.80	0.16	-4.01	0.02
1/1/27	-3.325696	0.035947505	1.19	-2.14	0.12	-4.51	0.01
1/1/29	-3.74724	0.023582754	1.27	-2.48	0.08	-5.02	0.01
1/1/31	-4.168207	0.015479992	1.36	-2.81	0.06	-5.52	0.00
1/1/33	-4.589751	0.010155387	1.44	-3.15	0.04	-6.03	0.00
1/1/35	-5.010718	0.006666113	1.53	-3.48	0.03	-6.54	0.00
1/1/37	-5.432262	0.004373191	1.62	-3.82	0.02	-7.05	0.00
1/1/39	-5.85323	0.002870613	1.70	-4.15	0.02	-7.56	0.00
1/1/41	-6.274774	0.001883217	1.79	-4.48	0.01	-8.07	0.00

Derived values

Slope, m	m	-0.001 SLOPE(y,x)
Intercept, b	b	23.425 INTERCEPT(y,x)
Observations, n	n	16.000 COUNT(x)
Std error in estimate, S_{yx}	SYX	0.750 STEYX(y,x)
Average x	XAVG	37355.313 AVERAGE(x)
SSX	SSX	169729035.438 DEVSQ(x)
t(α,df)	t	2.145 TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.600109937 F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.937
R Square	0.878
Adjusted R Square	0.869
Standard Error	0.75
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	56.44262674	56.44262674	100.3838	9.12233E-08
Residual	14	7.87175574	0.562268267		
Total	15	64.31438248			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	23.42	2.158194657	10.8538681	3.35E-08	18.79589297	28.05362731	18.79589297	28.05362731
Date	-6E-04	5.75564E-05	-10.01917175	9.12E-08	-0.000700114	-0.000453221	-0.000700114	-0.000453221

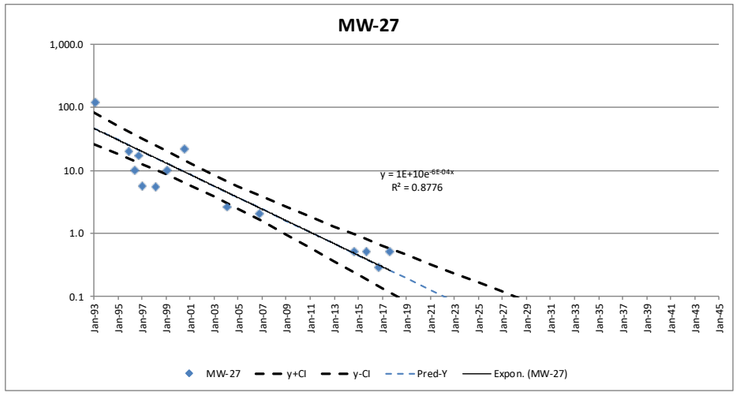


FIGURE H-23j: LINEAR REGRESSION ANALYSIS - TRANSECT Merged MBFB/MBFC-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

MW-28

Experimental data

Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
MW-28	198369.60000	57549.80000	Benzene	11/19/91	68000	ug/l			68000	11.12726298
MW-28	198369.60000	57549.80000	Benzene	11/21/91	60000	ug/l			60000	11.00209984
MW-28	198369.60000	57549.80000	Benzene	2/22/93	45000	ug/l			45000	10.71441777
MW-28	198369.60000	57549.80000	Benzene	2/17/94	55000	ug/l			55000	10.91508846
MW-28	198369.60000	57549.80000	Benzene	5/24/94	74000	ug/l			74000	11.21182037
MW-28	198369.60000	57549.80000	Benzene	7/28/94	47000	ug/l			47000	10.75790288
MW-28	198369.60000	57549.80000	Benzene	10/7/94	88000	ug/l			88000	11.38509209
MW-28	198369.60000	57549.80000	Benzene	3/10/95	61000	ug/l			61000	11.01862914
MW-28	198369.60000	57549.80000	Benzene	6/26/95	120000	ug/l			120000	11.69524702
MW-28	198369.60000	57549.80000	Benzene	10/12/95	130000	ug/l			130000	11.77528973
MW-28	198369.60000	57549.80000	Benzene	2/5/96	160000	ug/l			160000	11.98292909
MW-28	198369.60000	57549.80000	Benzene	6/14/96	150000	ug/l			150000	11.91839057
MW-28	198369.60000	57549.80000	Benzene	10/22/96	170000	ug/l			170000	12.04355372
MW-28	198369.60000	57549.80000	Benzene	1/22/97	140000	ug/l			140000	11.8493977
MW-28	198369.60000	57549.80000	Benzene	3/11/98	72000	ug/l			72000	11.1844214
MW-28	198369.60000	57549.80000	Benzene	2/11/99	100000	ug/l			100000	11.51292546
MW-28	198369.60000	57549.80000	Benzene	7/31/00	69000	ug/l			69000	11.14186178
MW-28	198369.60000	57549.80000	Benzene	10/15/02	47000	ug/l			47000	10.75790288
MW-28	198369.60000	57549.80000	Benzene	11/2/06	44000	ug/l			44000	10.69194491
MW-28	198369.60000	57549.80000	Benzene	9/11/14	22000	ug/l			22000	9.998797732
MW-28	198369.60000	57549.80000	Benzene	10/2/15	28000	ug/l			28000	10.23995979
MW-28	198369.60000	57549.80000	Benzene	9/19/16	25000	ug/l	100		25000	10.1266311
MW-28	198369.60000	57549.80000	Benzene	9/12/17	18000	ug/l			18000	9.798127037

Regression line confidence interval

x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	11.474817	96260.85429	0.26	11.73	124784.90	11.22	74257.00
1/1/95	11.362179	86006.53611	0.23	11.59	108352.57	11.13	68269.02
1/1/97	11.249386	76832.71696	0.21	11.46	94762.93	11.04	62295.10
1/1/99	11.136747	68648.00749	0.20	11.34	83705.12	10.94	56299.41
1/1/01	11.023955	61325.72206	0.20	11.22	74777.34	10.83	50293.90
1/1/03	10.911316	54792.91627	0.21	11.12	67581.18	10.70	44424.55
1/1/05	10.798523	48948.47319	0.23	11.03	61668.11	10.57	38852.38
1/1/07	10.685885	43734.17064	0.26	10.95	56695.73	10.43	33735.83
1/1/09	10.573092	39069.29991	0.29	10.87	52391.54	10.28	29134.67
1/1/11	10.460454	34907.38971	0.33	10.79	48595.19	10.13	25075.03
1/1/13	10.347661	31184.02059	0.37	10.72	45183.54	9.98	21522.06
1/1/15	10.235023	27862.10047	0.41	10.65	42091.05	9.82	18443.27
1/1/17	10.12223	24890.21155	0.46	10.58	39257.52	9.67	15780.99
1/1/19	10.009591	22238.74798	0.50	10.51	36653.58	9.51	13492.87
1/1/21	9.8967987	19866.66952	0.54	10.44	34244.18	9.35	11525.59
1/1/23	9.7841603	17750.34558	0.59	10.37	32014.21	9.19	9841.72
1/1/25	9.6713675	15857.019	0.64	10.31	29939.98	9.04	8398.30
1/1/27	9.5587291	14167.82853	0.68	10.24	28012.63	8.88	7165.60
1/1/29	9.4459363	12656.6283	0.73	10.17	26214.50	8.72	6110.75
1/1/31	9.3332979	11308.36379	0.77	10.11	24539.78	8.56	5211.09
1/1/33	9.2205051	10102.16611	0.82	10.04	22974.48	8.40	4442.05
1/1/35	9.1078667	9026.019154	0.87	9.98	21514.47	8.24	3786.71
1/1/37	8.995074	8063.265959	0.92	9.91	20148.23	8.08	3226.90
1/1/39	8.8824355	7204.315608	0.96	9.85	18872.68	7.92	2750.12
1/1/41	8.7696428	6435.872981	1.01	9.78	17678.09	7.76	2343.04

Derived values

Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	16.716	INTERCEPT(y,x)
Observations, n	n	23.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	0.454	STEYX(y,x)
Average x	XAVG	36526.043	AVERAGE(x)
SSX	SSX	203463038.957	DEVSQ(x)
t(α,df)	t	2.080	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.324793743	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics

Multiple R	0.726774993
R Square	0.52820189
Adjusted R Square	0.505735313
Standard Error	0.453915508
Observations	23

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	4.844099901	4.844099901	23.51056	8.57275E-05
Residual	21	4.326825065	0.206039289		
Total	22	9.170924965			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	16.71636214	1.166191716	14.33414585	2.57E-12	14.2911337	19.14159058	14.2911337	19.14159058
Date	-0.000154299	3.18224E-05	-4.848769336	8.57E-05	-0.000220477	-8.8121E-05	-0.000220477	-8.8121E-05

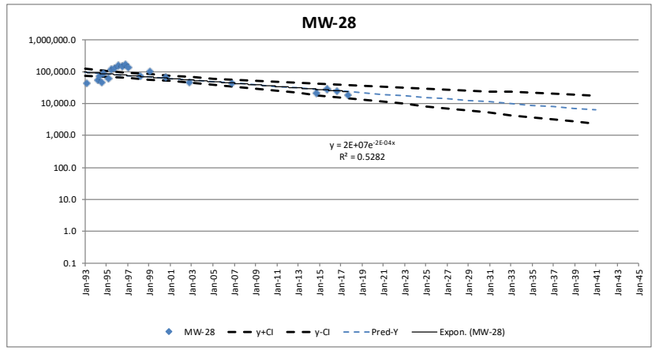


FIGURE H-23k: LINEAR REGRESSION ANALYSIS - TRANSECT Merged MBFB/MBFC-1
Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

MW-30

Experimental data									
Sample ID	Xcoord	yCoord	Compound	Date	Concentration	units	DetLim	Flags	Regression Data	LN(Regr Data)
MW-30	198216.00000	56157.00000	Benzene	10/3/91	9	ug/l			9	2.197224577
MW-30	198216.00000	56157.00000	Benzene	10/17/91		ug/l	1	ND	1	0
MW-30	198216.00000	56157.00000	Benzene	7/22/92		ug/l	1	ND	1	0
MW-30	198216.00000	56157.00000	Benzene	1/26/93		ug/l	1	ND	1	0
MW-30	198216.00000	56157.00000	Benzene	2/17/94	17	ug/l			17	2.833213344
MW-30	198216.00000	56157.00000	Benzene	5/19/94		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	7/26/94	2.2	ug/l			2.2	0.78845736
MW-30	198216.00000	56157.00000	Benzene	10/5/94		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	3/8/95		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	6/22/95		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	10/10/95		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	2/16/96	3.9	ug/l			3.9	1.360976553
MW-30	198216.00000	56157.00000	Benzene	6/6/96		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	10/14/96		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	1/16/97		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	3/5/98	0.5	ug/l		J	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	2/10/99	3.8	ug/l			3.8	1.335001067
MW-30	198216.00000	56157.00000	Benzene	8/7/00		ug/l	1	ND	1	0
MW-30	198216.00000	56157.00000	Benzene	10/15/02	21	ug/l			21	3.044522438
MW-30	198216.00000	56157.00000	Benzene	1/20/04		ug/l	2	ND	2	0.693147181
MW-30	198216.00000	56157.00000	Benzene	10/26/06		ug/l	2	ND	2	0.693147181
MW-30	198216.00000	56157.00000	Benzene	2/16/12		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	9/5/14		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	9/28/15		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	9/21/16		ug/l	0.5	ND	0.5	-0.693147181
MW-30	198216.00000	56157.00000	Benzene	9/13/17		ug/l	0.5	ND	0.5	-0.693147181

Regression line confidence interval							
x	pred-y	exp(pred-Y)	CI	y+CI	exp(y+CI)	y-CI	exp(y-CI)
1/1/93	0.3715892	1.450037173	0.62	1.00	2.70	-0.25	0.78
1/1/95	0.3041555	1.355479784	0.55	0.86	2.36	-0.25	0.78
1/1/97	0.2366294	1.266971471	0.50	0.74	2.09	-0.27	0.77
1/1/99	0.1691957	1.184351855	0.47	0.64	1.90	-0.30	0.74
1/1/01	0.1016696	1.107017626	0.47	0.57	1.77	-0.36	0.69
1/1/03	0.0342359	1.034828651	0.49	0.52	1.69	-0.46	0.63
1/1/05	-0.03329	0.967257789	0.54	0.50	1.65	-0.57	0.57
1/1/07	-0.100724	0.904182598	0.60	0.50	1.65	-0.70	0.50
1/1/09	-0.16825	0.845142487	0.68	0.51	1.66	-0.85	0.43
1/1/11	-0.235684	0.790030475	0.76	0.53	1.70	-1.00	0.37
1/1/13	-0.30321	0.738444117	0.86	0.55	1.74	-1.16	0.31
1/1/15	-0.370644	0.69028994	0.95	0.58	1.79	-1.32	0.27
1/1/17	-0.43817	0.645216307	1.05	0.62	1.85	-1.49	0.22
1/1/19	-0.505603	0.603141545	1.16	0.65	1.92	-1.66	0.19
1/1/21	-0.573129	0.563758412	1.26	0.69	1.99	-1.84	0.16
1/1/23	-0.640563	0.526995545	1.37	0.73	2.07	-2.01	0.13
1/1/25	-0.708089	0.492584492	1.48	0.77	2.15	-2.18	0.11
1/1/27	-0.775523	0.460462899	1.58	0.81	2.24	-2.36	0.09
1/1/29	-0.843049	0.430396206	1.69	0.85	2.34	-2.54	0.08
1/1/31	-0.910483	0.402329932	1.80	0.89	2.44	-2.71	0.07
1/1/33	-0.978009	0.376059128	1.91	0.93	2.54	-2.89	0.06
1/1/35	-1.045443	0.351536191	2.02	0.98	2.66	-3.07	0.05
1/1/37	-1.112969	0.32858205	2.13	1.02	2.77	-3.25	0.04
1/1/39	-1.180402	0.307155109	2.24	1.06	2.90	-3.42	0.03
1/1/41	-1.247929	0.287098904	2.35	1.11	3.03	-3.60	0.03

Derived values			
Slope, m	m	0.000	SLOPE(y,x)
Intercept, b	b	3.510	INTERCEPT(y,x)
Observations, n	n	26.000	COUNT(x)
Std error in estimate, S_{yx}	SYX	1.149	STEYX(y,x)
Average x	XAVG	36642.923	AVERAGE(x)
SSX	SSX	232919909.846	DEVSQ(x)
t(α,df)	t	2.064	TINV(0.05,n-2)
Critical F-statistic (P <0.05)	F-stat	4.259677273	F.Inv(0.95,1,n-2)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.243
R Square	0.059
Adjusted R Square	0.02
Standard Error	1.149
Observations	26

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.98753639	1.98753639	1.505913	0.231665738
Residual	24	31.67571245	1.319821352		
Total	25	33.66324884			

	Coefficien	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95.0%*	*Upper 95.0%*
Intercept	3.51	2.76750468	1.268133863	0.216915	-2.202282528	9.221415327	-2.202282528	9.221415327
Date	-9E-05	7.52756E-05	-1.227156549	0.231666	-0.000247736	6.29863E-05	-0.000247736	6.29863E-05

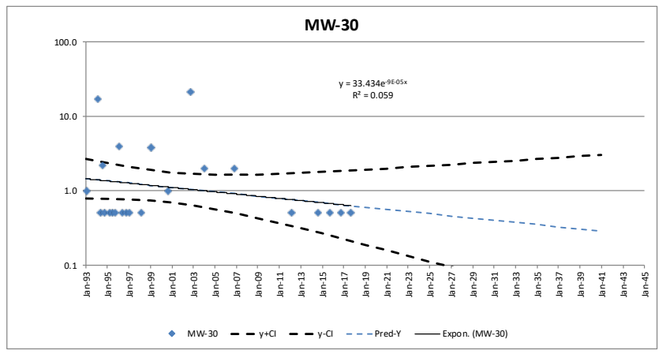


Figure H-24: Concentration vs. Distance - WT-1

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

Transect WT-1

Experimental data			
WellName	**Direct Distance (ft)**	**Regression Data**	**LN(Regr Data)**
PZL0016	567.3661428	0.22	-1.514127733
SWL0004	0	72000	11.1844214
MW-21	549.7578012	0.86	-0.15082289
MW-27	478.0476336	0.5	-0.693147181

Derived values			
Slope, m	m	-0.022	SLOPE(y,x)
Intercept, b	b	11.035	INTERCEPT(y,x)
Observations, n	n	4.000	COUNT(x)
Std error in estimal	SYX	1.073	STEYX(y,x)
Average x	XAVG	398.793	AVERAGE(x)
SSX	SSX	216524.429	DEVSQ(x)
Correl Coeff	R^2	0.979	RSQ(y,x)
t(α,df)	t	4.303	TINV(0.05,n-2)

Contaminant Velocity: (= Seepage Velocity / Retardation Factor)	V_{coc}	5.81	V / R (feet/year)
Bulk Attenuation Rate: (= (-)slope * Contaminant Velocity)	k_{bulk}	0.129 0.000352674	(year^{-1}) (day^{-1})
Dissolved-Phase Half Life	$t_{1/2}$	5.38	years
Travel time to MCL (1 ppb in CA)	t	86.88547119	years
Distance to MCL (1 ppb in CA)	L	505.2352718	feet

$$t = \frac{-LN[\frac{C_{goal}}{C_{start}}]}{k}$$

$$L = \frac{V_s}{R} \times t$$

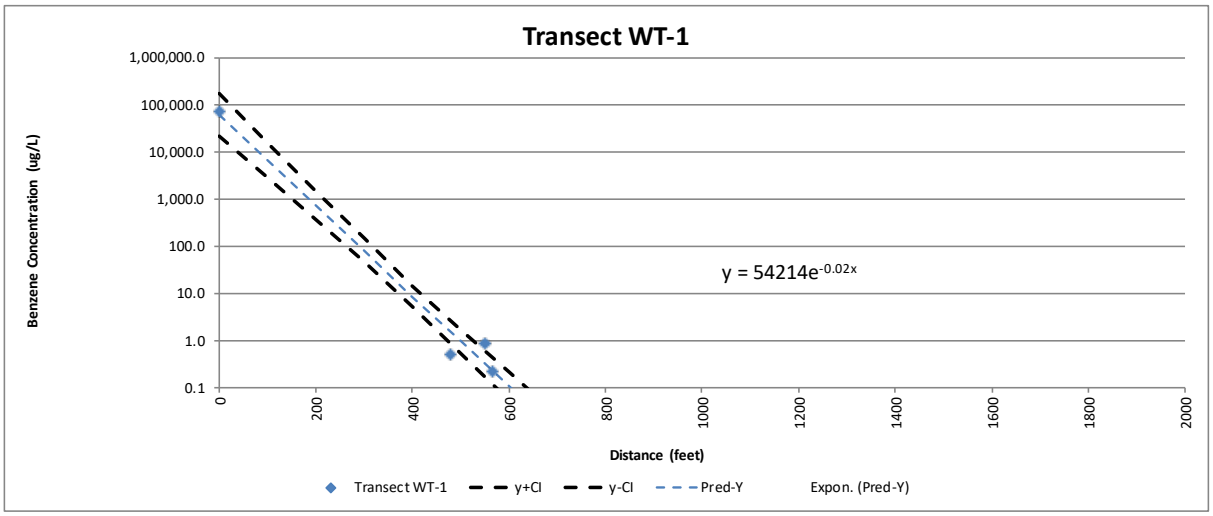


Figure H-25: Concentration vs. Distance - WT-2

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

Transect WT-2

Experimental data			
WellName	**Direct Distance (ft)**	**Regression Data**	**LN(Regr Data)**
MW-28	0	18000	9.798127037
MW-12	659.1450523	8	2.079441542
MW-30	1401.244019	0.5	-0.693147181
SWL0008	1195.148192	56	4.025351691
SWL0006	1642.57359	0.5	-0.693147181

Derived values			
Slope, m	m	-0.006	SLOPE(y,x)
Intercept, b	b	8.663	INTERCEPT(y,x)
Observations, n	n	5.000	COUNT(x)
Std error in estima	SYX	2.285	STEYX(y,x)
Average x	XAVG	979.622	AVERAGE(x)
SSX	SSX	1726086.214	DEVSQ(x)
Correl Coeff	R^2	0.792	RSQ(y,x)
t(α,df)	t	3.182	TINV(0.05,n-2)

Contaminant Velocity: (= Seepage Velocity / Retardation Factor)	V_{coc}	37.80	V / R (feet/year)	
Bulk Attenuation Rate: (= (-)slope * Contaminant Velocity)	k_{bulk}	0.222 0.000609	($year^{-1}$) (day^{-1})	
Dissolved-Phase Half Life	$t_{1/2}$	3.12	years	
Travel time to MCL (1 ppb in CA)	t	44.08787369	years	$t = \frac{-LN[\frac{C_{goal}}{C_{start}}]}{k}$
Distance to MCL (1 ppb in CA)	L	1666.39906	feet	$L = \frac{V_s}{R} \times t$

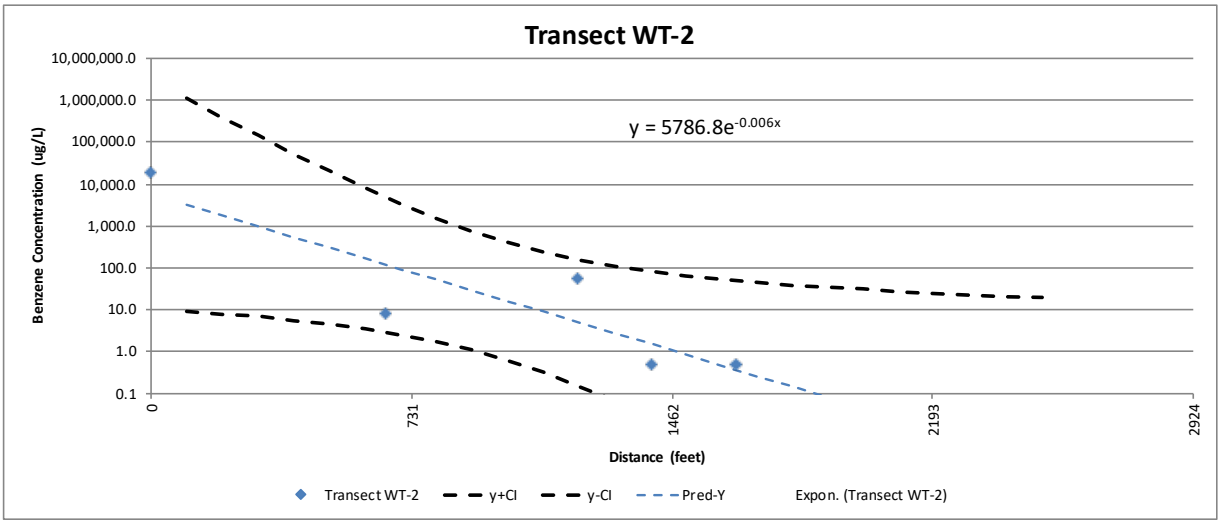


Figure H-26: Concentration vs. Distance - WT-3

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

Transect WT-3

Experimental data			
WellName	**Direct Distance (ft)**	**Regression Data**	**LN(Regr Data)**
PZL0013	0	210000	12.25486281
MW-04HD	190.7039591	280000	12.54254488
SWL0005	817.9321488	0.5	-0.693147181
SWL0021	692.4840215	0.47	-0.755022584
SWL0057	1635.585522	0.5	-0.693147181

Derived values			
Slope, m	m	-0.009	SLOPE(y,x)
Intercept, b	b	10.640	INTERCEPT(y,x)
Observations, n	n	5.000	COUNT(x)
Std error in estima	SYX	4.814	STEYX(y,x)
Average x	XAVG	667.341	AVERAGE(x)
SSX	SSX	1633334.199	DEVSQ(x)
Correl. Coeff.	R^2	0.663	RSQ(y,x)
t(α,df)	t	3.182	TINV(0.05,n-2)

Contaminant Velocity: (= Seepage Velocity / Retardation Factor)	V_{coc}	5.09	V / R (feet/year)	
Bulk Attenuation Rate: (= (-)slope * Contaminant Velocity)	k_{bulk}	0.047 0.000128	($year^{-1}$) (day^{-1})	
Dissolved-Phase Half Life	$t_{1/2}$	14.88	years	$t = \frac{-LN[\frac{C_{goal}}{C_{start}}]}{k}$
Travel time to MCL (1 ppb in CA)	t	269.3012072	years	
Distance to MCL (1 ppb in CA)	L	1370.228053	feet	$L = \frac{V_s}{R} \times t$

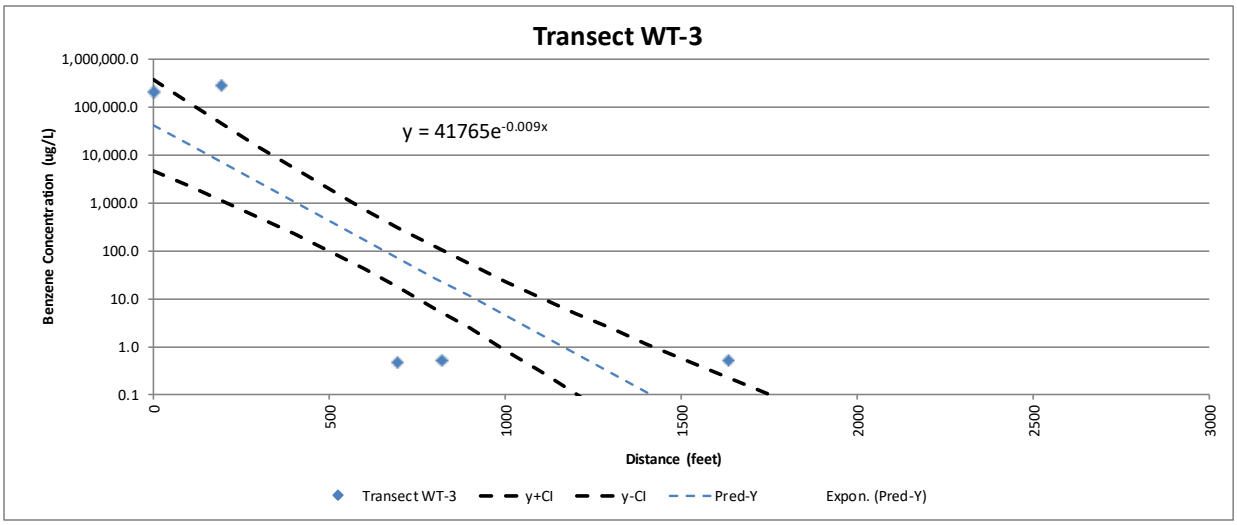


Figure H-27: Concentration vs. Distance - WT-4

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

Transect WT-4

	Experimental data		
WellName	**Direct Distance (ft)**	**Regression Data**	**LN(Regr Data)**
SWL0068	0	160000	11.98292909
PZL0026	564.5634242	32	3.465735903
SWL0024	923.7970881	0.5	-0.693147181
PZL0012	725.7196842	1.7	0.530628251

Derived values			
Slope, m	m	-0.014	SLOPE(y,x)
Intercept, b	b	11.728	INTERCEPT(y,x)
Observations, n	n	4.000	COUNT(x)
Std error in estimat	SYX	0.835	STEYX(y,x)
Average x	XAVG	553.520	AVERAGE(x)
SSX	SSX	473264.201	DEVSQ(x)
Correl. Coeff.	R^2	0.986	RSQ(y,x)
t(α,df)	t	4.303	TINV(0.05,n-2)

Contaminant Velocity: (= Seepage Velocity / Retardation Factor)	V_{coc}	31.98	V / R (feet/year)	
Bulk Attenuation Rate: (= (-)slope * Contaminant Velocity)	k_{bulk}	0.457 0.001252	($year^{-1}$) (day^{-1})	
Dissolved-Phase Half Life	$t_{1/2}$	1.52	years	
Travel time to MCL (1 ppb in CA)	t	26.23152679	years	$t = \frac{-LN[\frac{C_{goal}}{C_{start}}]}{k}$
Distance to MCL (1 ppb in CA)	L	838.94359	feet	$L = \frac{V_s}{R} \times t$

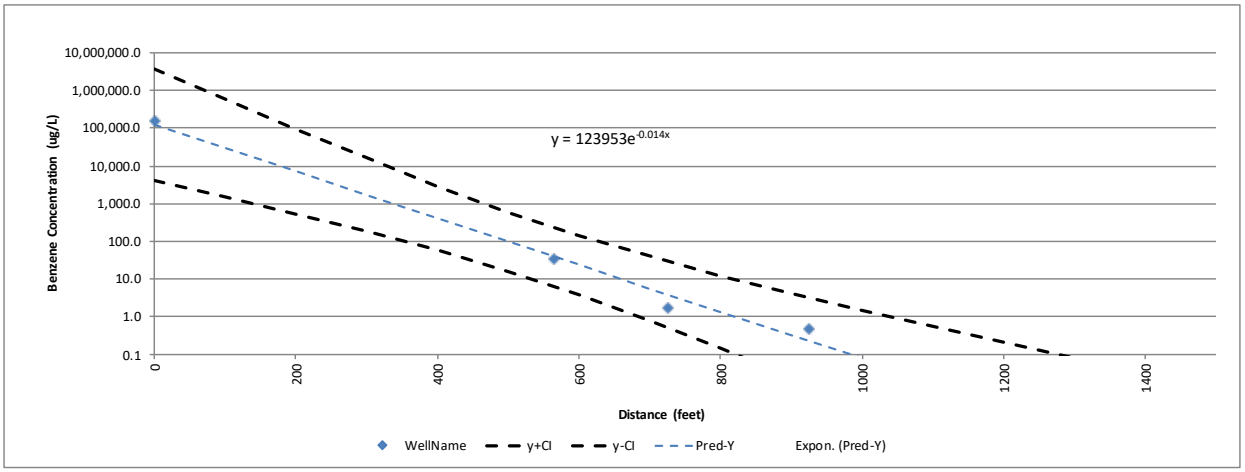


Figure H-28: Concentration vs. Distance - Merged MBFB/MBFC-1

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

Transect Merged MBFB/MBFC-1

Experimental data			
WellName	**Direct Distance (ft)**	**Regression Data**	**LN(Regr Data)**
SWL0048	0	170000	12.04355372
XP-02	365.5292738	0.65	-0.430782916
SWL0050	712.5742768	57000	10.95080655
G-01WC	1127.711355	0.5	-0.693147181
MW-30	1393.448994	0.5	-0.693147181

Derived values			
Slope, m	m	-0.007	SLOPE(y,x)
Intercept, b	b	9.559	INTERCEPT(y,x)
Observations, n	n	5.000	COUNT(x)
Std error in estima	SYX	5.981	STEYX(y,x)
Average x	XAVG	719.853	AVERAGE(x)
SSX	SSX	1263866.626	DEVSQ(x)
Correl. Coeff.	R^2	0.392	RSQ(y,x)
t(α,df)	t	3.182	TINV(0.05,n-2)

Contaminant Velocity: (= Seepage Velocity / Retardation Factor)	V_{coc}	23.57195906	V / R (feet/year)	
Bulk Attenuation Rate: (= (-)slope * Contaminant Velocity)	k_{bulk}	0.17 0.000477573	($year^{-1}$) (day^{-1})	
Dissolved-Phase Half Life	$t_{1/2}$	3.98	years	
Travel time to MCL (1 ppb in CA)	t	69.09112651	years	$t = \frac{-LN[\frac{C_{goal}}{C_{start}}]}{k}$
Distance to MCL (1 ppb in CA)	L	1628.613205	feet	$L = \frac{V_s}{R} \times t$

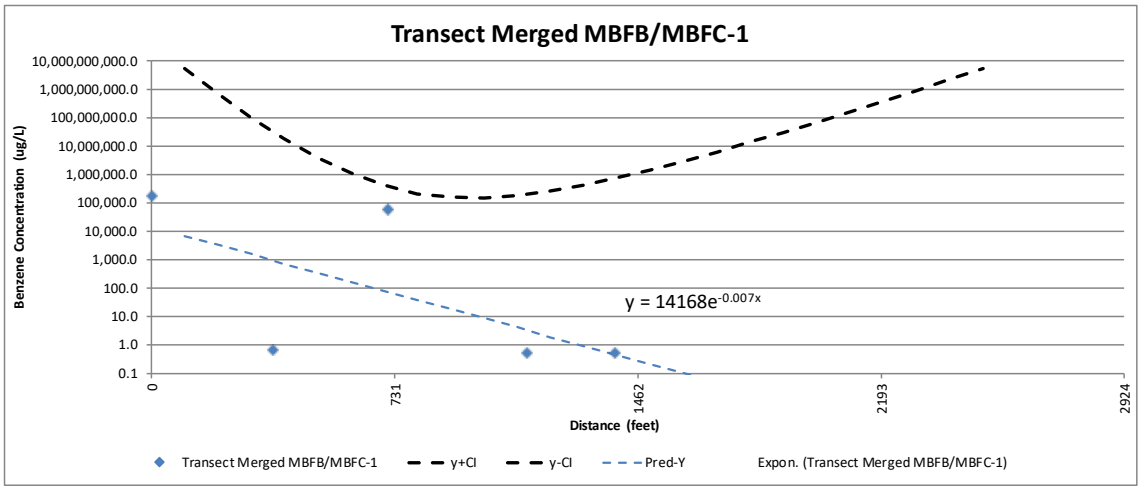


Figure H-29a: Water Table Transect 1 (WT1) – Calibrated Input Parameters

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

BIOSCREEN Natural Attenuation Decision Support System

Air Force Center for Environmental Excellence — *Version 1.4*

Del Amo - Biodegradation
WT-1
Run Name

Data Input Instructions:

115 → 1. Enter value directly....or
or
0.02 → 2. Calculate by filling in grey cells below. (To restore formulas, hit button below).

Variable* → Data used directly in model.
20 → Value calculated by model. (Don't enter any data).

1. HYDROGEOLOGY

Seepage Velocity*	Vs	5.84	(ft/yr)
or		or	
Hydraulic Conductivity	K	1.1E-03	(cm/sec)
Hydraulic Gradient	i	0.0008	(ft/ft)
Porosity	n	0.15	(-)

2. DISPERSION

Longitudinal Dispersivity*	alpha x	17.926	(ft)
Transverse Dispersivity*	alpha y	0.17926	(ft)
Vertical Dispersivity*	alpha z	0.018	(ft)
or		or	
Estimated Plume Length	Lp	500	(ft)

3. ADSORPTION

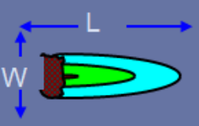
Retardation Factor*	R	1.0	(-)
or		or	
Soil Bulk Density	rho	1.7	(kg/l)
Partition Coefficient	Koc	38	(L/kg)
FractionOrganicCarbon	foc	2.0E-5	(-)

4. BIODEGRADATION

1st Order Decay Coeff*	lambda	1.5E-1	(per yr)
or		or	
Solute Half-Life	t-half	4.50	(year)
or Instantaneous Reaction Model			
Delta Oxygen*	DO	0.45	(mg/L)
Delta Nitrate*	NO3	21	(mg/L)
Observed Ferrous Iron*	Fe2+	6.03	(mg/L)
Delta Sulfate*	SO4	386	(mg/L)
Observed Methane*	CH4	0.014	(mg/L)

5. GENERAL

Modeled Area Length*	600	(ft)
Modeled Area Width*	160	(ft)
Simulation Time*	70.00	(yr)



6. SOURCE DATA

Source Thickness in Sat.Zone* 10 (ft)

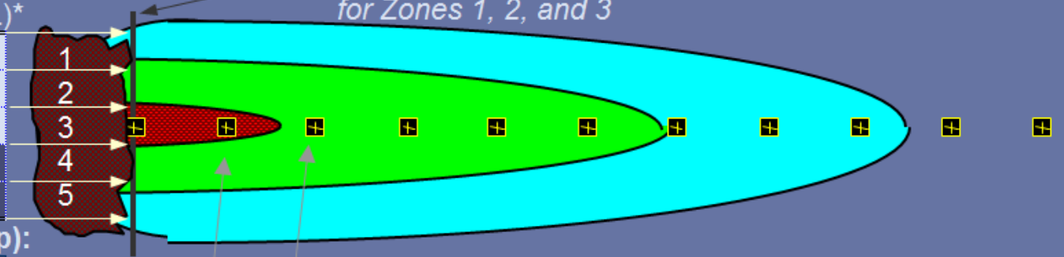
Source Zones:

	Width* (ft)	Conc. (mg/L)*
1	50	
2	25	
3	130	72
4	25	0
5	50	0

Source Halflife (see Help):

Infinite	Infinite	(yr)
Inst. React.	1st Order	
Soluble Mass In Source NAPL, Soil	infinite	(Kg)

Vertical Plane Source: Look at Plume Cross-Section and Input Concentrations & Widths for Zones 1, 2, and 3



View of Plume Looking Down

Observed Centerline Concentrations at Monitoring Wells
If No Data Leave Blank or Enter "0"

7. FIELD DATA FOR COMPARISON

Concentration (mg/L)	72.0									.00086	
Dist. from Source (ft)	0	60	120	180	240	300	360	420	480	540	600

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE — View Output
RUN ARRAY — View Output
View BIOSCREEN-AT

Help
Recalculate
Paste Example Dataset
Restore Formulas for Vs,

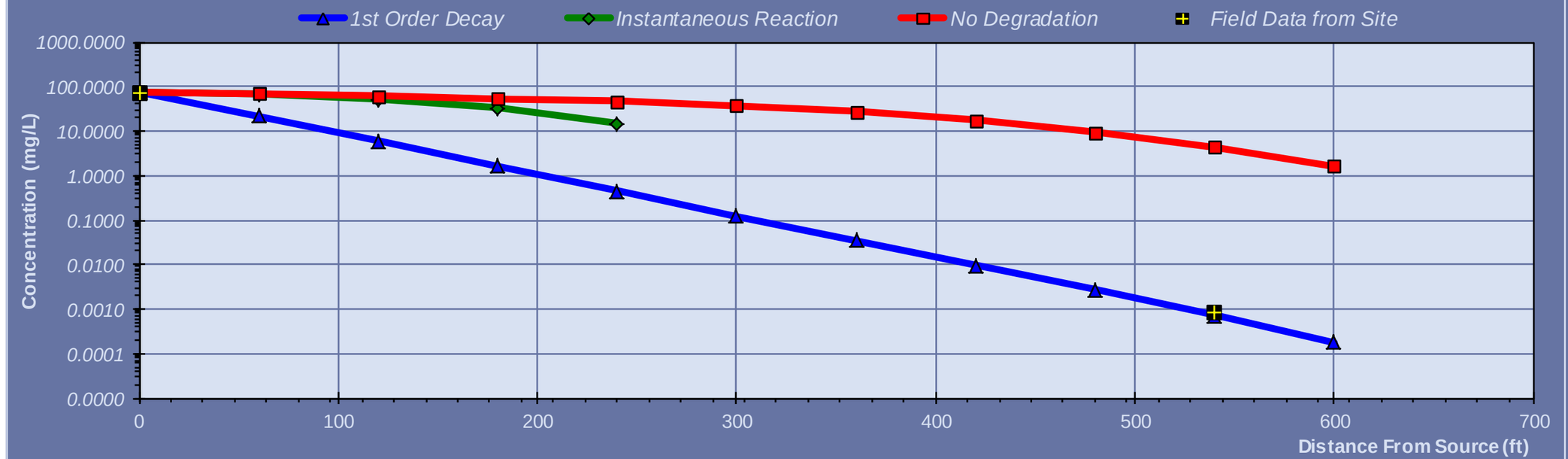
Figure H-29b: Water Table Transect 1 (WT1) – Output Panel

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

DISSOLVED HYDROCARBON CONCENTRATION ALONG PLUME CENTERLINE (mg/L at Z=0)

Distance from Source (ft)

TYPE OF MODEL	0	60	120	180	240	300	360	420	480	540	600
No Degradation	72.000	69.616	62.159	54.328	46.096	36.893	26.882	17.228	9.431	4.312	1.620
1st Order Decay	72.000	21.439	5.923	1.627	0.449	0.125	0.035	0.010	0.003	0.001	0.000
Inst. Reaction	72.000	66.741	50.289	33.011	14.849	0.000	0.000	0.000	0.000	0.000	0.000
Field Data from Site	72.000									0.001	



Calculate Animation

Time:

70.00 Years

Return to Input

Recalculate This Sheet

Figure H-30a: Water Table Transect 2 (WT2) – Calibrated Input Parameters

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

BIOSCREEN Natural Attenuation Decision Support System

Air Force Center for Environmental Excellence — *Version 1.4*

Del Amo - Biodegradation
WT-2
Run Name

Data Input Instructions:

115 → 1. Enter value directly....or
or
0.02 → 2. Calculate by filling in grey cells below. (To restore formulas, hit button below).

Variable* → Data used directly in model.
20 → Value calculated by model. (Don't enter any data).

1. HYDROGEOLOGY

Seepage Velocity*	Vs	37.96	(ft/yr)
or		or	
Hydraulic Conductivity	K	1.1E-03	(cm/sec)
Hydraulic Gradient	i	0.0052	(ft/ft)
Porosity	n	0.15	(-)

2. DISPERSION

Longitudinal Dispersivity*	alpha x	9.256	(ft)
Transverse Dispersivity*	alpha y	0.093	(ft)
Vertical Dispersivity*	alpha z	0.009	(ft)
or		or	
Estimated Plume Length	Lp	150	(ft)

3. ADSORPTION

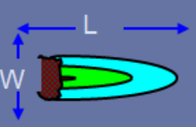
Retardation Factor*	R	1.0	(-)
or		or	
Soil Bulk Density	rho	1.7	(kg/l)
Partition Coefficient	Koc	38	(L/kg)
FractionOrganicCarbon	foc	2.0E-5	(-)

4. BIODEGRADATION

1st Order Decay Coeff*	lambda	1.8E+0	(per yr)
or		or	
Solute Half-Life	t-half	0.38	(year)
or Instantaneous Reaction Model		.	
Delta Oxygen*	DO	0.31	(mg/L)
Delta Nitrate*	NO3	21	(mg/L)
Observed Ferrous Iron*	Fe2+	7.6	(mg/L)
Delta Sulfate*	SO4	377	(mg/L)
Observed Methane*	CH4		(mg/L)

5. GENERAL

Modeled Area Length*	600	(ft)
Modeled Area Width*	200	(ft)
Simulation Time*	70.00	(yr)



6. SOURCE DATA

Source Thickness in Sat.Zone* 10 (ft)

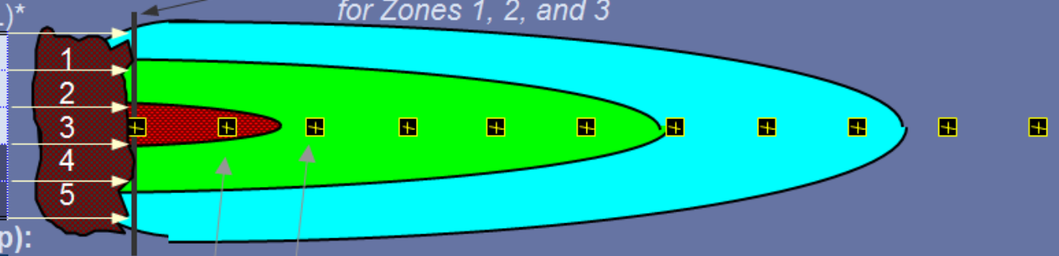
Source Zones:

	Width* (ft)	Conc. (mg/L)*
1	50	
2	25	
3	165	360
4	25	0
5	50	0

Source Halflife (see Help):

Infinite	Infinite	(yr)
Inst. React.	1st Order	
Soluble Mass In Source NAPL, Soil	Infinite	(Kg)

Vertical Plane Source: Look at Plume Cross-Section and Input Concentrations & Widths for Zones 1, 2, and 3



View of Plume Looking Down

Observed Centerline Concentrations at Monitoring Wells
If No Data Leave Blank or Enter "0"

7. FIELD DATA FOR COMPARISON

Concentration (mg/L)	360.0		.056				.0005				
Dist. from Source (ft)	0	60	120	180	240	300	360	420	480	540	600

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE — **View Output**

RUN ARRAY — **View Output**

View BIOSCREEN-AT

Help | Recalculate

Paste Example Dataset

Restore Formulas for Vs,

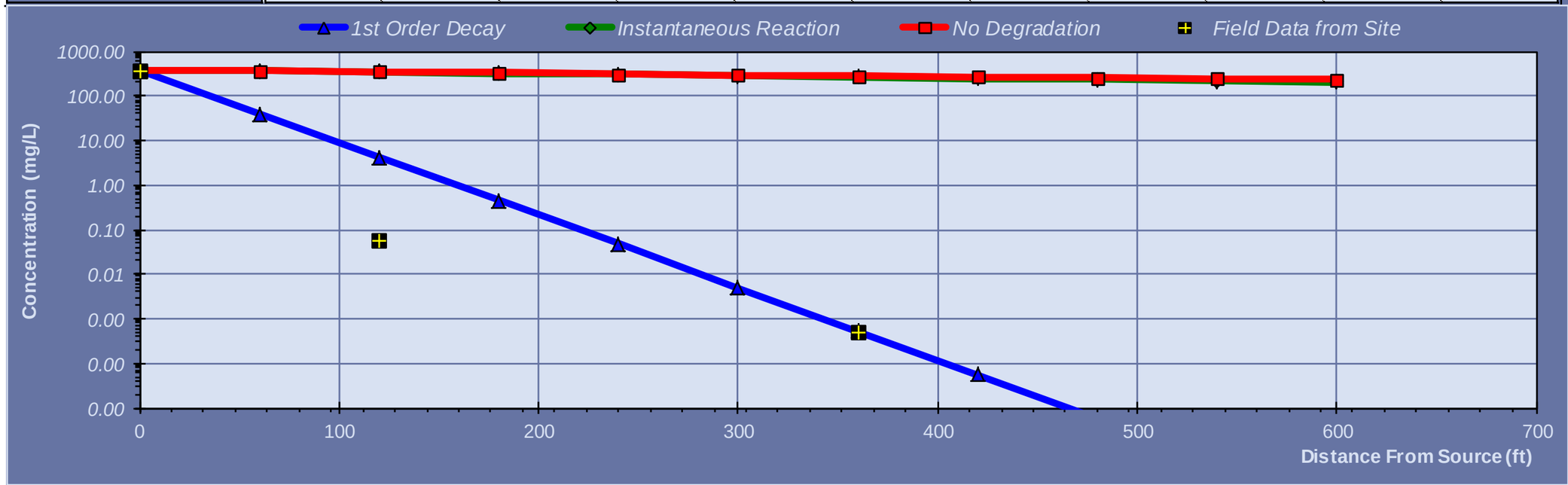
Figure H-30b: Water Table Transect 2 (WT2) – Output Panel

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

DISSOLVED HYDROCARBON CONCENTRATION ALONG PLUME CENTERLINE (mg/L at Z=0)

Distance from Source (ft)

TYPE OF MODEL	0	60	120	180	240	300	360	420	480	540	600
No Degradation	360.000	359.030	347.809	330.043	311.922	295.323	280.556	267.477	255.842	245.413	235.990
1st Order Decay	360.000	39.794	4.273	0.449	0.047	0.005	0.001	0.000	0.000	0.000	0.000
Inst. Reaction	360.000	358.801	344.932	322.975	300.577	280.062	261.811	245.645	231.265	218.376	206.729
Field Data from Site	360.000		0.056				0.001				



Calculate Animation

Time:

70.00 Years

Return to Input

Recalculate This Sheet

Figure H-31a: Water Table Transect 3 (WT3) – Calibrated Input Parameters

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

BIOSCREEN Natural Attenuation Decision Support System

Air Force Center for Environmental Excellence — *Version 1.4*

Del Amo - Biodegradation
WT-3
Run Name

Data Input Instructions:

115 → 1. Enter value directly....or
or
0.02 → 2. Calculate by filling in grey cells below. (To restore formulas, hit button below).

Variable* → Data used directly in model.
20 → Value calculated by model. (Don't enter any data).

1. HYDROGEOLOGY

Seepage Velocity*	Vs	5.11	(ft/yr)
or		or	
Hydraulic Conductivity	K	1.1E-03	(cm/sec)
Hydraulic Gradient	i	0.0007	(ft/ft)
Porosity	n	0.15	(-)

2. DISPERSION

Longitudinal Dispersivity*	alpha x	17.216	(ft)
Transverse Dispersivity*	alpha y	1.722	(ft)
Vertical Dispersivity*	alpha z	0.000	(ft)
or		or	
Estimated Plume Length	Lp	1200	(ft)

3. ADSORPTION

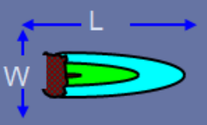
Retardation Factor*	R	1.0	(-)
or		or	
Soil Bulk Density	rho	1.7	(kg/l)
Partition Coefficient	Koc	38	(L/kg)
FractionOrganicCarbon	foc	2.0E-5	(-)

4. BIODEGRADATION

1st Order Decay Coeff*	lambda	2.0E-1	(per yr)
or		or	
Solute Half-Life	t-half	3.40	(year)
or Instantaneous Reaction Model			
Delta Oxygen*	DO	0.68	(mg/L)
Delta Nitrate*	NO3	21	(mg/L)
Observed Ferrous Iron*	Fe2+	7.68	(mg/L)
Delta Sulfate*	SO4	220	(mg/L)
Observed Methane*	CH4	1.72	(mg/L)

5. GENERAL

Modeled Area Length*	1200	(ft)
Modeled Area Width*	230	(ft)
Simulation Time*	70.00	(yr)



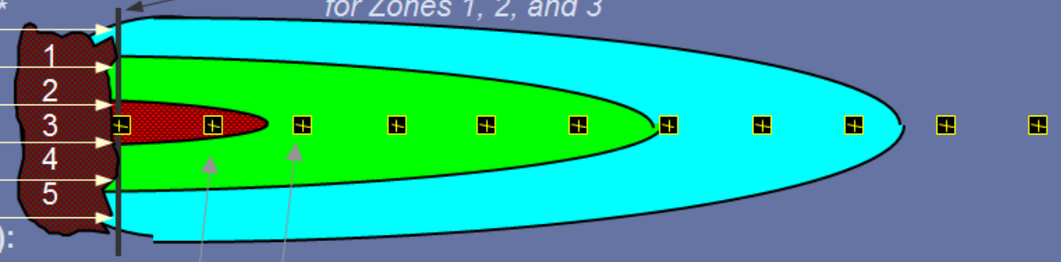
6. SOURCE DATA

Source Thickness in Sat.Zone* 10 (ft)

Source Zones:

Width* (ft)	Conc. (mg/L)*	
50		1
25		2
190	280	3
25	0	4
50	0	5

Vertical Plane Source: Look at Plume Cross-Section and Input Concentrations & Widths for Zones 1, 2, and 3



View of Plume Looking Down

Source Halflife (see Help):

Infinite	Infinite	(yr)
Inst. React.	1st Order	
Soluble Mass	infinite	(Kg)
In Source NAPL, Soil		

Observed Centerline Concentrations at Monitoring Wells
If No Data Leave Blank or Enter "0"

7. FIELD DATA FOR COMPARISON

Concentration (mg/L)	280.0				0.00047						
Dist. from Source (ft)	0	120	240	360	480	600	720	840	960	1080	1200

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE — View Output
RUN ARRAY — View Output
View BIOSCREEN-AT

Help
Recalculate
Paste Example Dataset
Restore Formulas for Vs, Dispersivities, R, lambda, other

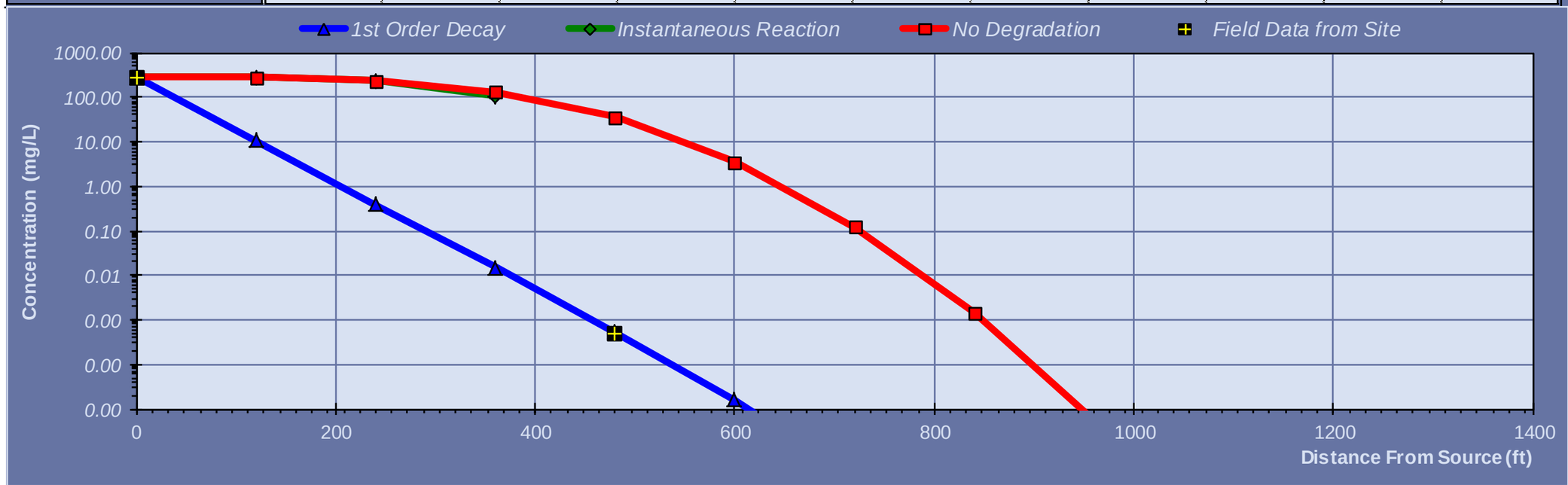
Figure H-31b: Water Table Transect 3 (WT3) – Output Panel

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

DISSOLVED HYDROCARBON CONCENTRATION ALONG PLUME CENTERLINE (mg/L at Z=0)

Distance from Source (ft)

TYPE OF MODEL	0	120	240	360	480	600	720	840	960	1080	1200
No Degradation	280.000	275.278	237.841	133.651	35.230	3.560	0.125	0.001	0.000	0.000	0.000
1st Order Decay	280.000	10.513	0.394	0.015	0.001	0.000	0.000	0.000	0.000	0.000	0.000
Inst. Reaction	280.000	274.370	229.730	105.496	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Field Data from Site	280.000				0.00047						



Calculate Animation

Time:
70.00 Years

Return to Input

Recalculate This Sheet

Figure H-32a: Water Table Transect 4 (WT4) – Calibrated Input Parameters

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

BIOSCREEN Natural Attenuation Decision Support System

Air Force Center for Environmental Excellence — *Version 1.4*

Del Amo - Biodegradation
WT-4
Run Name

Data Input Instructions:

115 → 1. Enter value directly....or
or
0.02 → 2. Calculate by filling in grey cells below. (To restore formulas, hit button below).

Variable* → Data used directly in model.
20 → Value calculated by model. (Don't enter any data).

1. HYDROGEOLOGY

Seepage Velocity*	Vs	32.12	(ft/yr)
or		or	
Hydraulic Conductivity	K	1.1E-03	(cm/sec)
Hydraulic Gradient	i	0.0044	(ft/ft)
Porosity	n	0.15	(-)

2. DISPERSION

Longitudinal Dispersivity*	alpha x	22.839	(ft)
Transverse Dispersivity*	alpha y	2.234100	(ft)
Vertical Dispersivity*	alpha z	0.228	(ft)
or		or	
Estimated Plume Length	Lp	850	(ft)

3. ADSORPTION

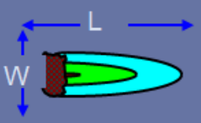
Retardation Factor*	R	1.0	(-)
or		or	
Soil Bulk Density	rho	1.7	(kg/l)
Partition Coefficient	Koc	38	(L/kg)
FractionOrganicCarbon	foc	2.0E-5	(-)

4. BIODEGRADATION

1st Order Decay Coeff*	lambda	4.8E-1	(per yr)
or		or	
Solute Half-Life	t-half	1.45	(year)
or Instantaneous Reaction Model			
Delta Oxygen*	DO	0	(mg/L)
Delta Nitrate*	NO3	21	(mg/L)
Observed Ferrous Iron*	Fe2+	4.05	(mg/L)
Delta Sulfate*	SO4	280	(mg/L)
Observed Methane*	CH4	0.0624	(mg/L)

5. GENERAL

Modeled Area Length*	1200	(ft)
Modeled Area Width*	200	(ft)
Simulation Time*	70.00	(yr)



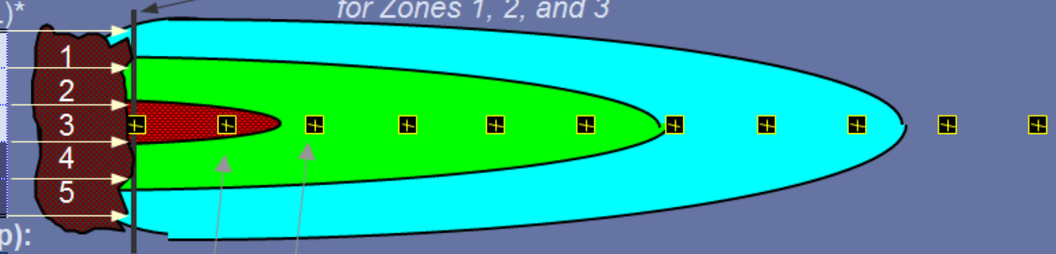
6. SOURCE DATA

Source Thickness in Sat.Zone* 10 (ft)

Source Zones:

	Width* (ft)	Conc. (mg/L)*
1	50	
2	25	
3	165	160
4	25	0
5	50	0

Vertical Plane Source: Look at Plume Cross-Section and Input Concentrations & Widths for Zones 1, 2, and 3



Source Halflife (see Help):

Infinite	Infinite	(yr)
Inst. React.	1st Order	
Soluble Mass In Source NAPL, Soil	infinite	(Kg)

View of Plume Looking Down

Observed Centerline Concentrations at Monitoring Wells
If No Data Leave Blank or Enter "0"

7. FIELD DATA FOR COMPARISON

Concentration (mg/L)	160.0				.032				.0005		
Dist. from Source (ft)	0	120	240	360	480	600	720	840	960	1080	1200

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE — View Output
RUN ARRAY — View Output
View BIOSCREEN-AT

Help — Recalculate
Paste Example Dataset
Restore Formulas for Vs,

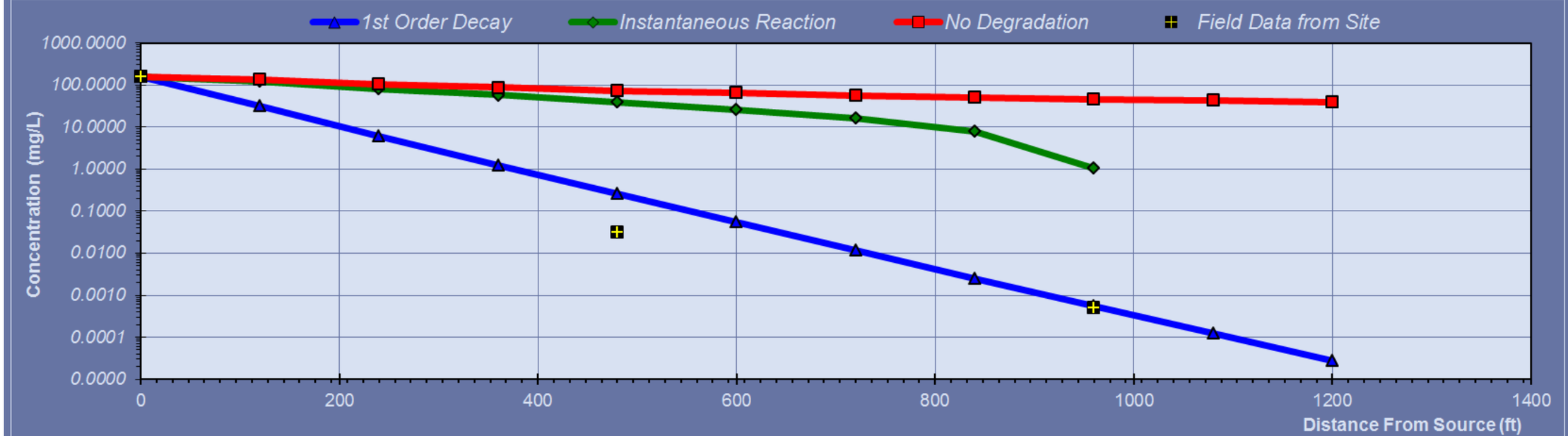
Figure H-32b: Water Table Transect 4 (WT4) – Output Panel

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

DISSOLVED HYDROCARBON CONCENTRATION ALONG PLUME CENTERLINE (mg/L at Z=0)

Distance from Source (ft)

TYPE OF MODEL	0	120	240	360	480	600	720	840	960	1080	1200
No Degradation	160.000	131.665	104.432	86.736	74.093	64.598	57.218	51.327	46.520	42.523	39.138
1st Order Decay	160.000	31.884	6.124	1.232	0.255	0.054	0.012	0.003	0.001	0.000	0.000
Inst. Reaction	160.000	120.308	82.161	57.373	39.663	26.362	16.024	7.772	1.038	0.000	0.000
Field Data from Site	160.000				0.032				0.001		



Replay Animation | Next Timestep | Prev Timestep

Time: *70.00 Years*

Return to | Recalculate This

Figure H-33a: Merged MBFB/MBFC Transect 1 (Merged MBFB/MBFC1) – Calibrated Input Parameters

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

BIOSCREEN Natural Attenuation Decision Support System

Air Force Center for Environmental Excellence — *Version 1.4*

Del Amo - Biodegradation
Merged MBFB/MBFC-1
Run Name

Data Input Instructions:

115 → 1. Enter value directly....or
or
0.02 → 2. Calculate by filling in grey cells below. (To restore formulas, hit button below).

Variable* → Data used directly in model.
20 → Value calculated by model. (Don't enter any data).

1. HYDROGEOLOGY

Seepage Velocity*	Vs	24.3349	(ft/yr)
or		or	
Hydraulic Conductivity	K	7.1E-03	(cm/sec)
Hydraulic Gradient	i	0.0005	(ft/ft)
Porosity	n	0.15	(-)

2. DISPERSION

Longitudinal Dispersivity*	alpha x	26.855	(ft)
Transverse Dispersivity*	alpha y	2.6855	(ft)
Vertical Dispersivity*	alpha z	0.26855	(ft)
or		or	
Estimated Plume Length	Lp	1250	(ft)

3. ADSORPTION

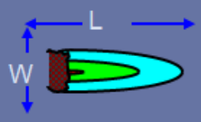
Retardation Factor*	R	1.0	(-)
or		or	
Soil Bulk Density	rho	1.7	(kg/l)
Partition Coefficient	Koc	38	(L/kg)
FractionOrganicCarbon	foc	1.5E-4	(-)

4. BIODEGRADATION

1st Order Decay Coeff*	lambda	2.2E-1	(per yr)
or		or	
Solute Half-Life	t-half	3.10	(year)
or Instantaneous Reaction Model			
Delta Oxygen*	DO	1.23	(mg/L)
Delta Nitrate*	NO3	0	(mg/L)
Observed Ferrous Iron*	Fe2+	3.7	(mg/L)
Delta Sulfate*	SO4	80	(mg/L)
Observed Methane*	CH4	0.194	(mg/L)

5. GENERAL

Modeled Area Length*	1800	(ft)
Modeled Area Width*	240	(ft)
Simulation Time*	70.00	(yr)



6. SOURCE DATA

Source Thickness in Sat.Zone* 10 (ft)

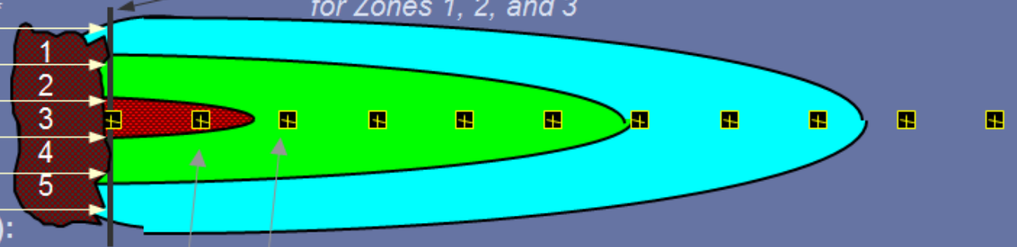
Source Zones:

	Width* (ft)	Conc. (mg/L)*
1	50	
2	25	
3	200	170
4	25	0
5	50	0

Source Halflife (see Help):

Infinite	Infinite	(yr)
Inst. React.	1st Order	
Soluble Mass In Source NAPL, Soil	Infinite	(Kg)

Vertical Plane Source: Look at Plume Cross-Section and Input Concentrations & Widths for Zones 1, 2, and 3



View of Plume Looking Down

Observed Centerline Concentrations at Monitoring Wells
If No Data Leave Blank or Enter "0"

7. FIELD DATA FOR COMPARISON

Concentration (mg/L)	170.0				57.0			.00066		.0005	
Dist. from Source (ft)	0	180	360	540	720	900	1080	1260	1440	1620	1800

8. CHOOSE TYPE OF OUTPUT TO SEE:

RUN CENTERLINE — View Output
RUN ARRAY — View Output
View BIOSCREEN-AT

Help
Recalculate
Paste Example Dataset
Restore Formulas for Vs,

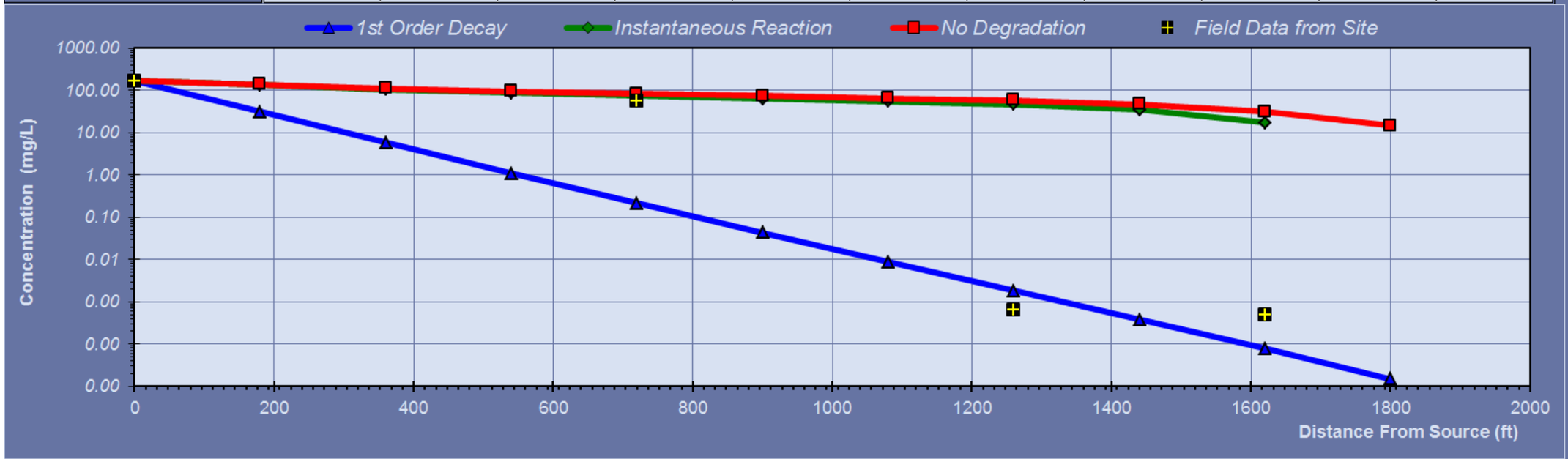
Figure H-33b: Merged MBFB/MBFC Transect 1 (Merged MBFB/MBFC1) – Output Panel

Dual Site Groundwater Operable Unit | Los Angeles, California
2017 Baseline MACR

DISSOLVED HYDROCARBON CONCENTRATION ALONG PLUME CENTERLINE (mg/L at Z=0)

Distance from Source (ft)

TYPE OF MODEL	0	180	360	540	720	900	1080	1260	1440	1620	1800
No Degradation	170.000	141.020	113.242	95.922	83.567	74.096	66.370	58.776	47.979	31.670	14.637
1st Order Decay	170.000	31.899	5.794	1.110	0.219	0.044	0.009	0.002	0.000	0.000	0.000
Inst. Reaction	170.000	137.981	107.289	88.152	74.502	64.036	55.500	47.110	35.181	17.161	0.000
Field Data from Site	170.000				57.000			0.00066		0.0005	



Calculate Animation

Time:
70.00 Years

Return to

Recalculate This

Appendix I

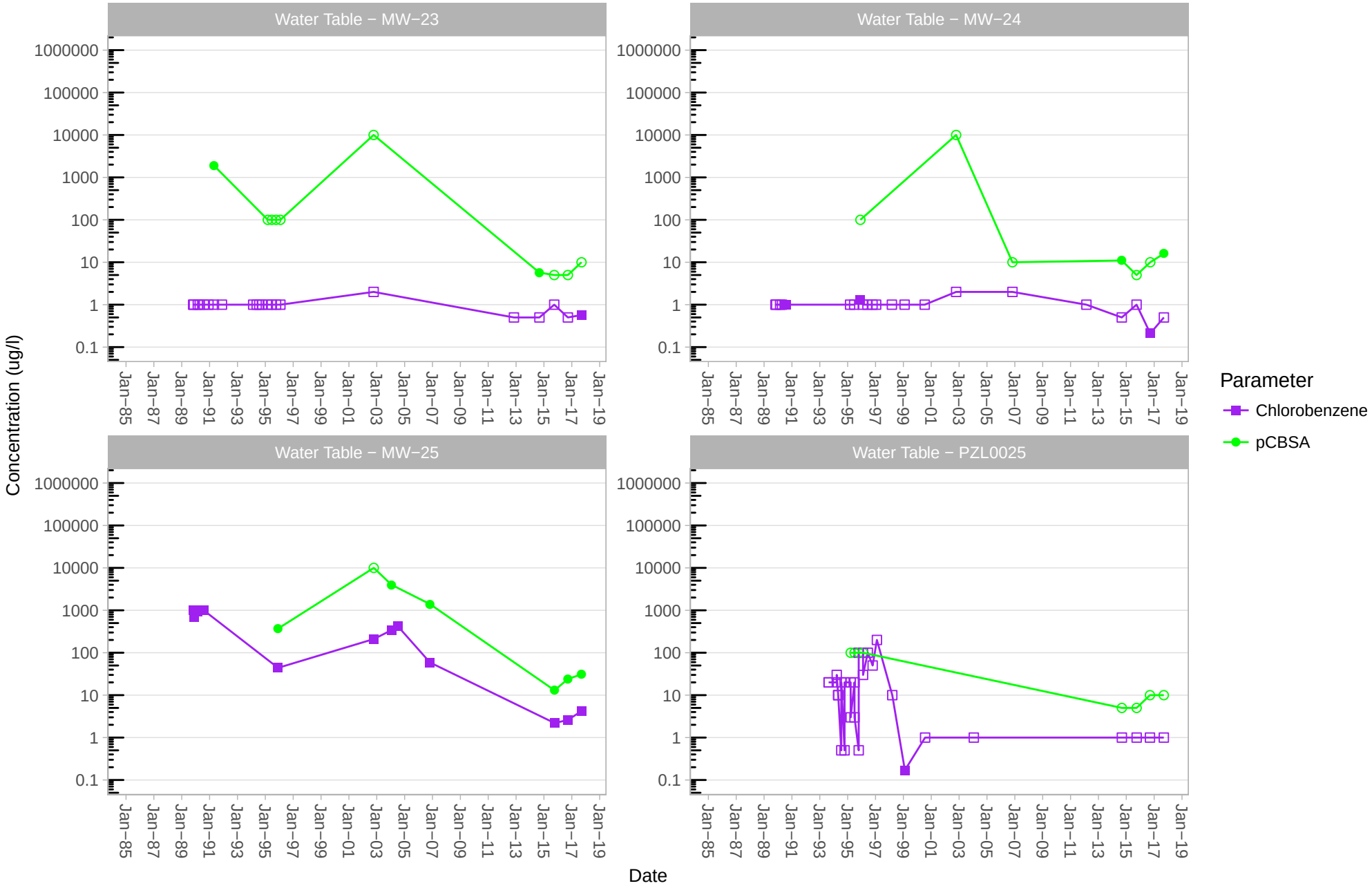
Chlorobenzene and pCBSA Concentration vs. Time Graphs

The following Concentration vs. Time Graphs are sorted first by aquifer designation, and then alpha-numerically by well name. The aquifer order is as follows:

- Water Table
- Water Table / Middle Bellflower B Sand
- Water Table / Middle Bellflower C Sand
- Middle Bellflower B Sand
- Middle Bellflower B Sand / Middle Bellflower C Sand
- Middle Bellflower C Sand
- Gage
- Lynwood

Appendix I − Graph 1 − Chlobenzene and pCBSA Time Series Plots

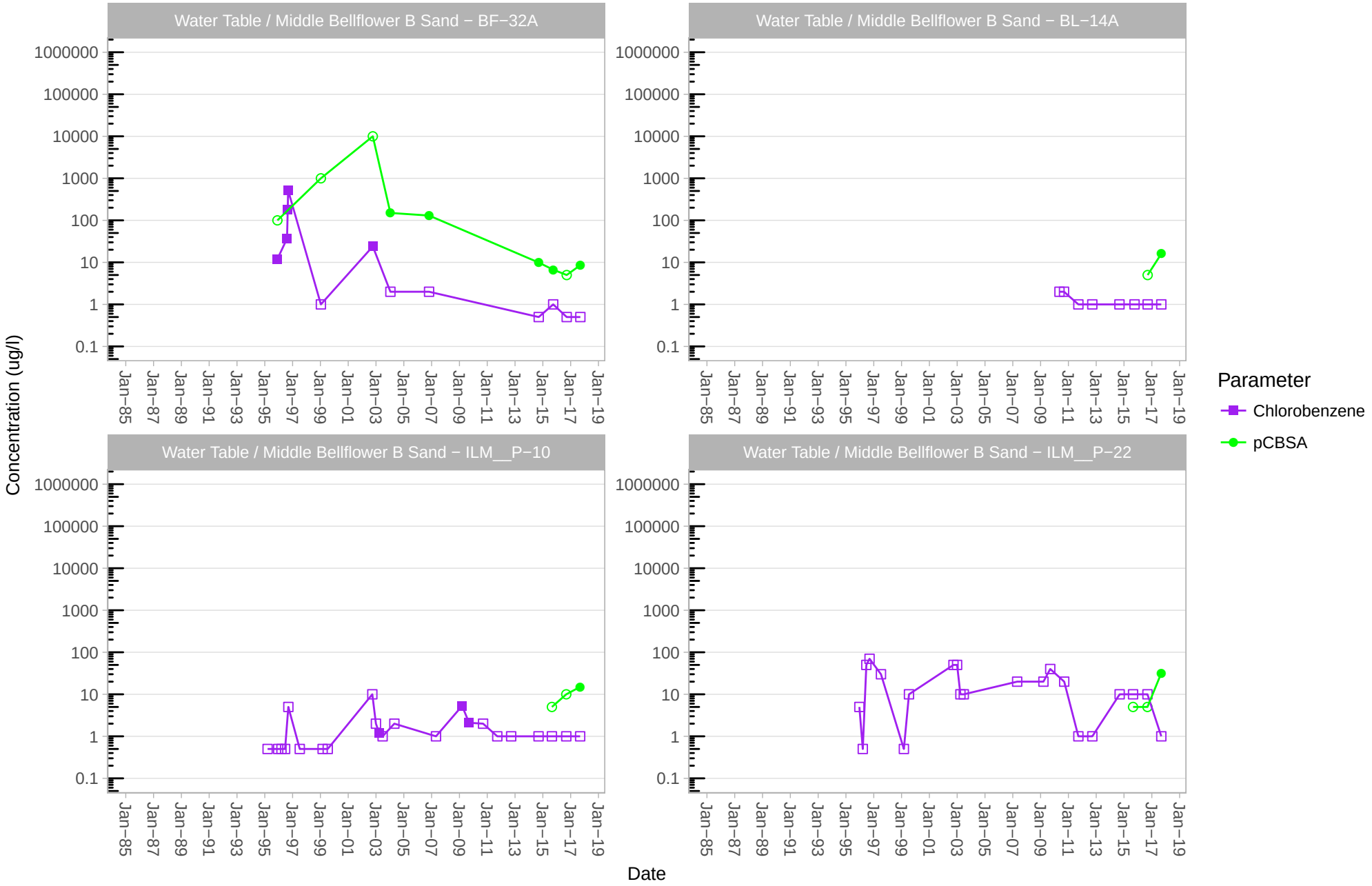
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 2 − Chlobenzene and pCBSA Time Series Plots

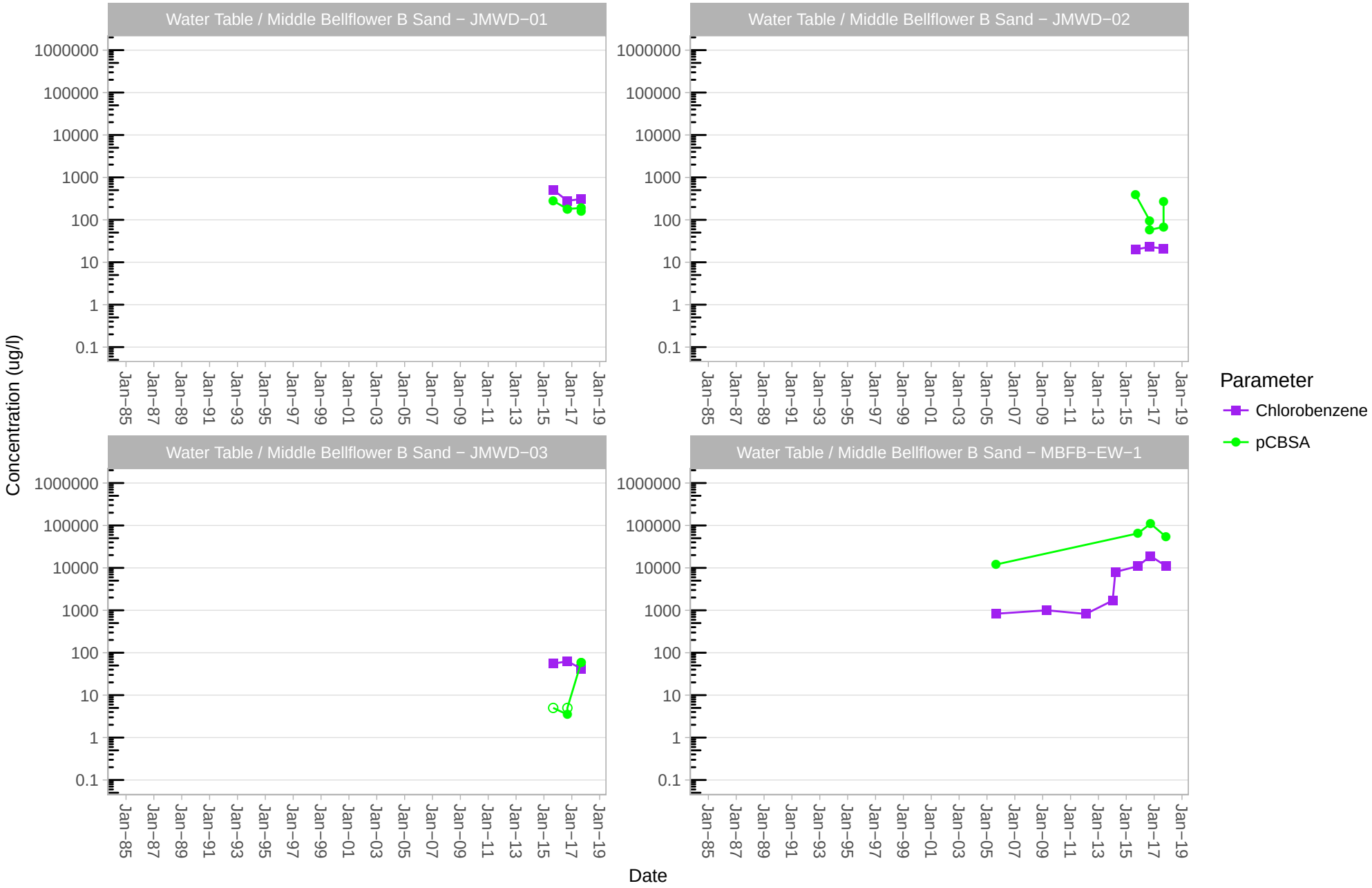
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 3 − Chlobenzene and pCBSA Time Series Plots

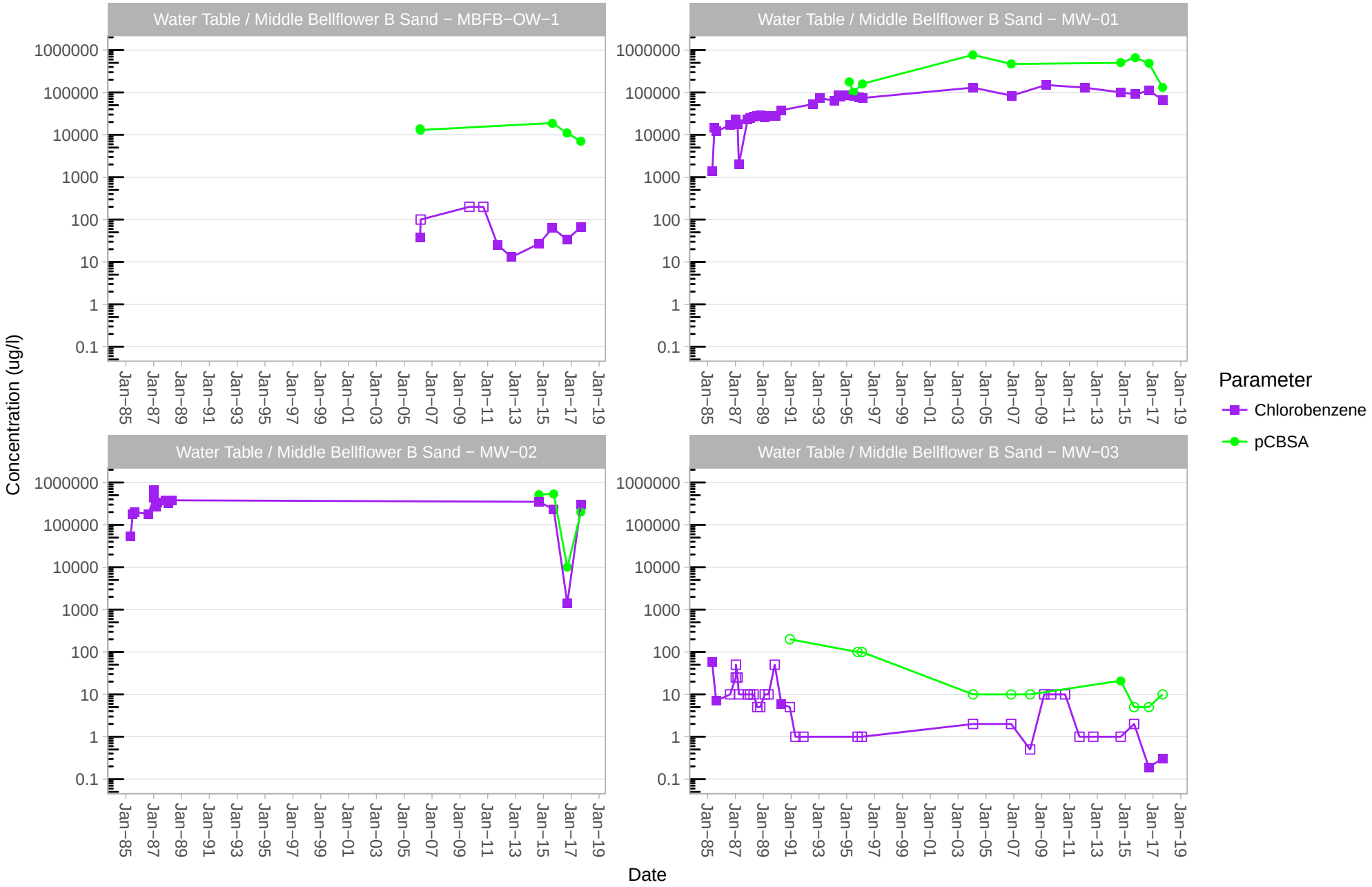
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 4 − Chlobenzene and pCBSA Time Series Plots

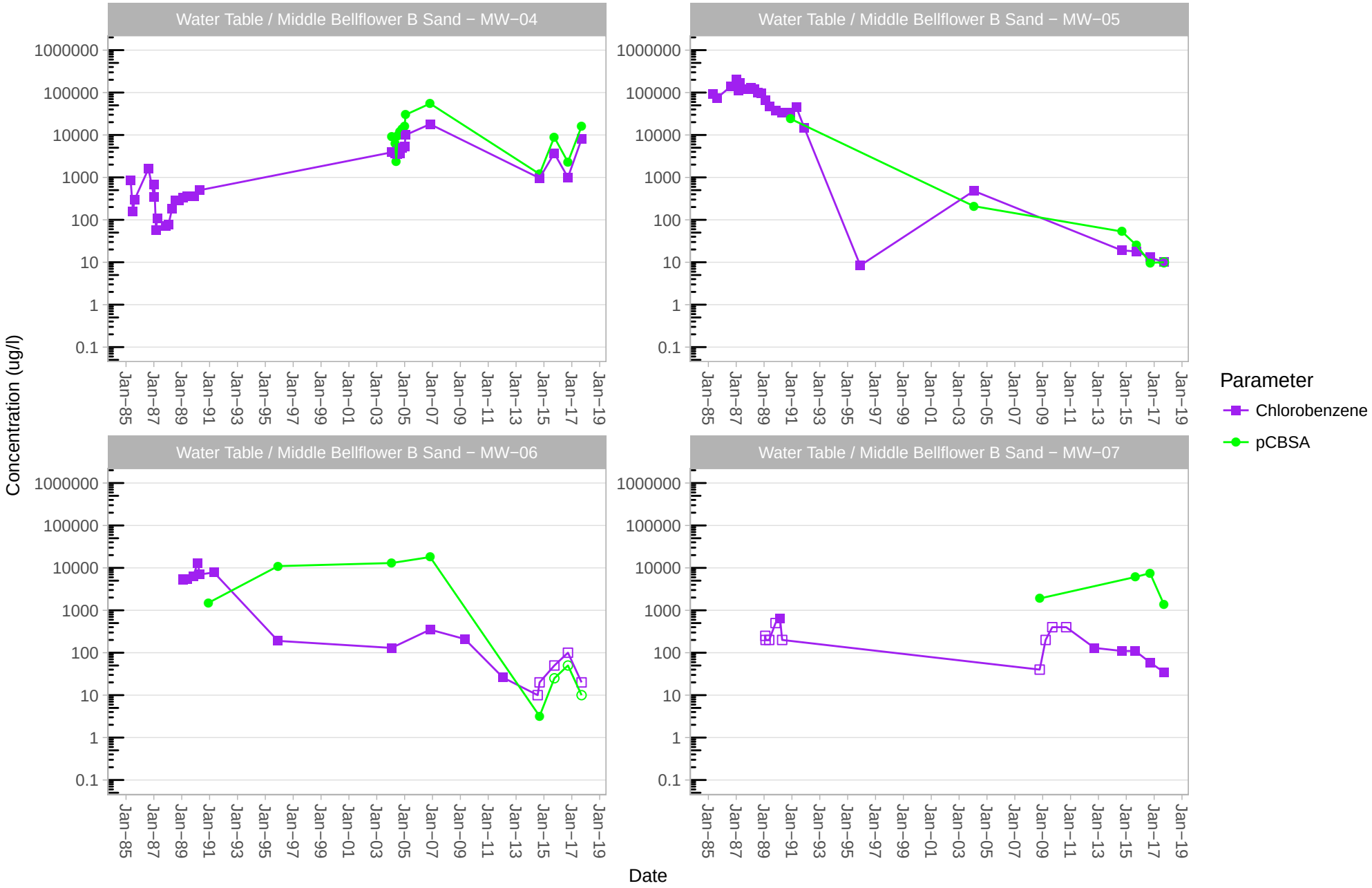
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 5 − Chlobenzene and pCBSA Time Series Plots

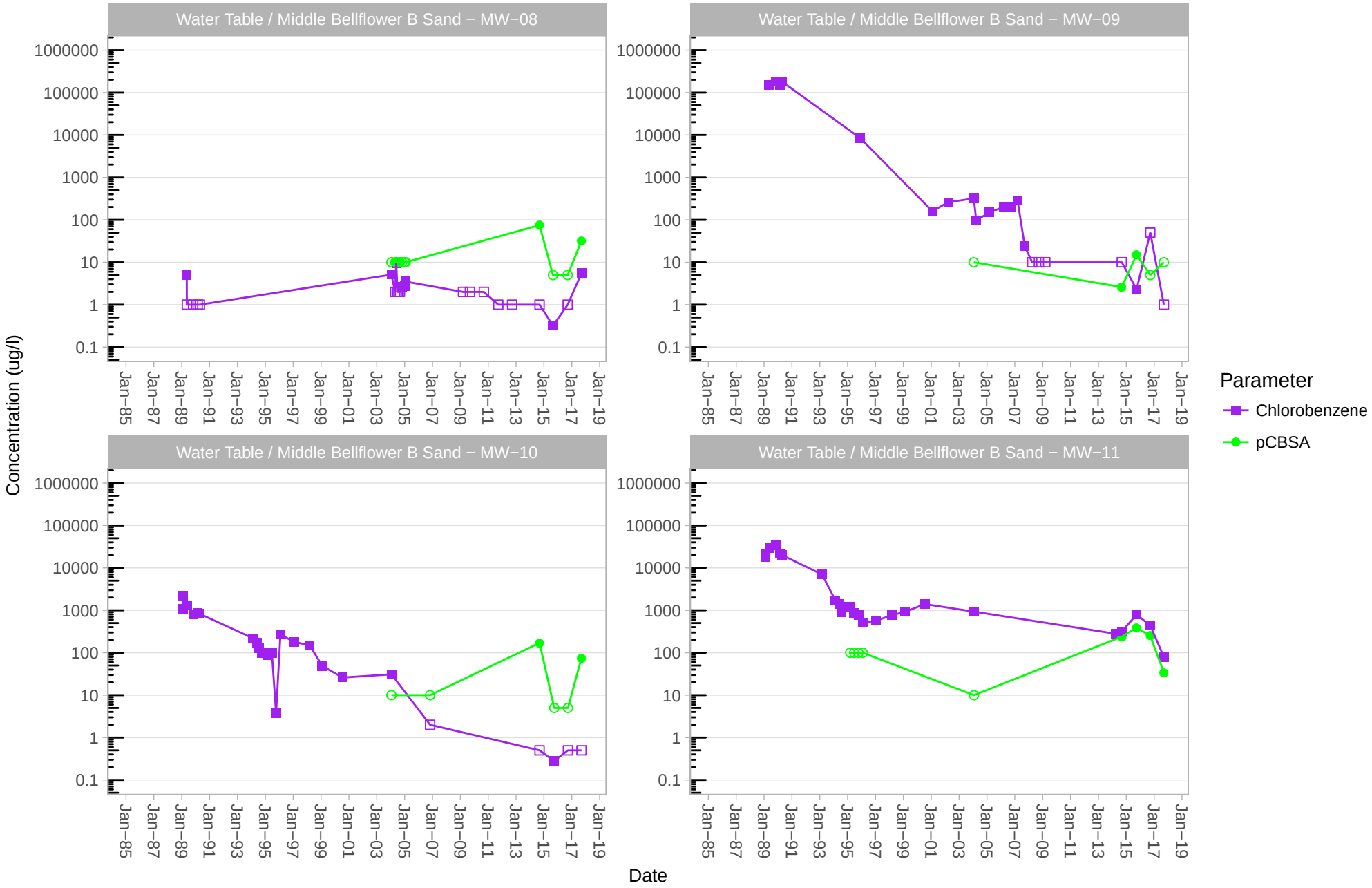
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 6 − Chlobenzene and pCBSA Time Series Plots

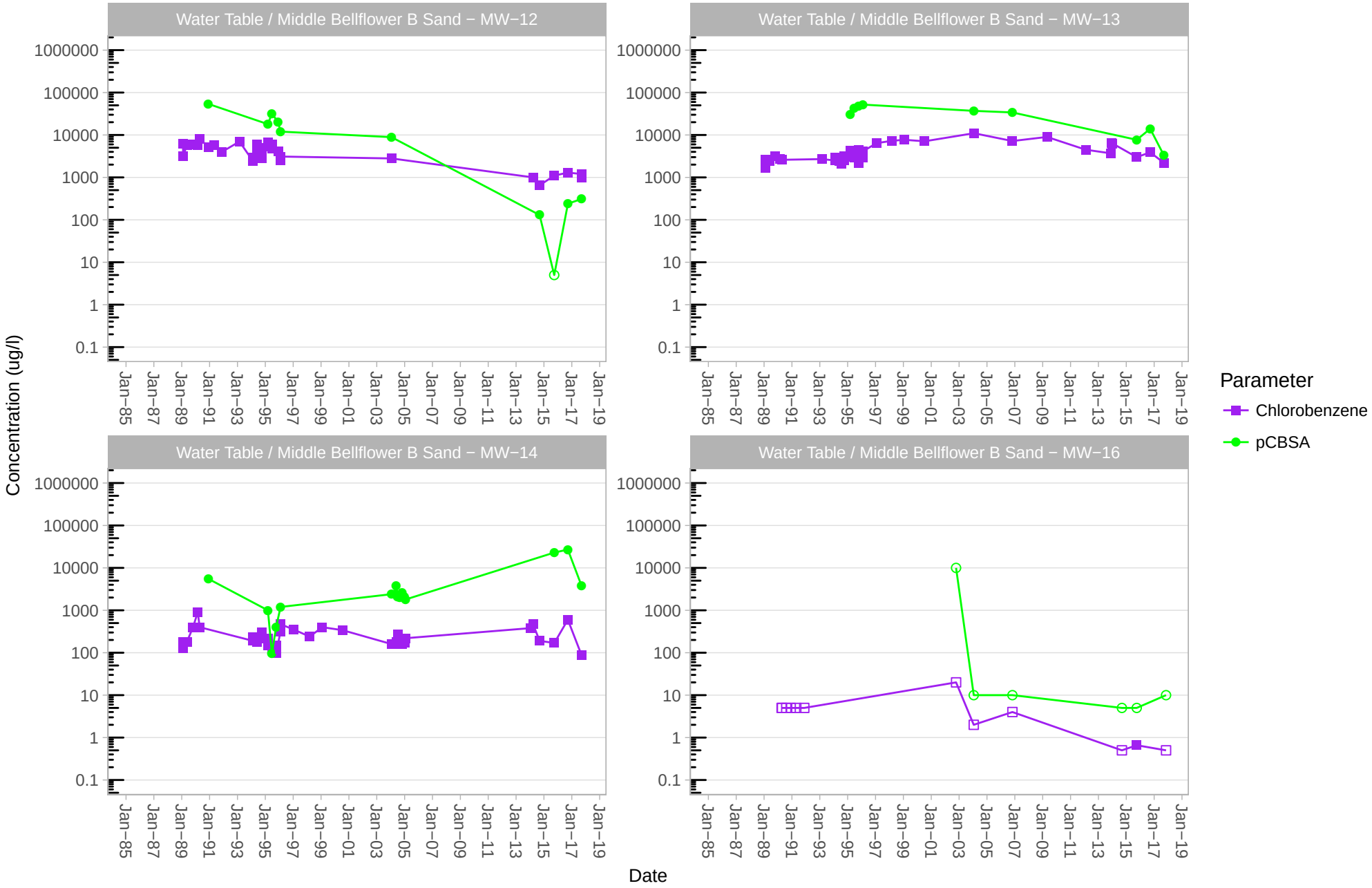
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 7 − Chlobenzene and pCBSA Time Series Plots

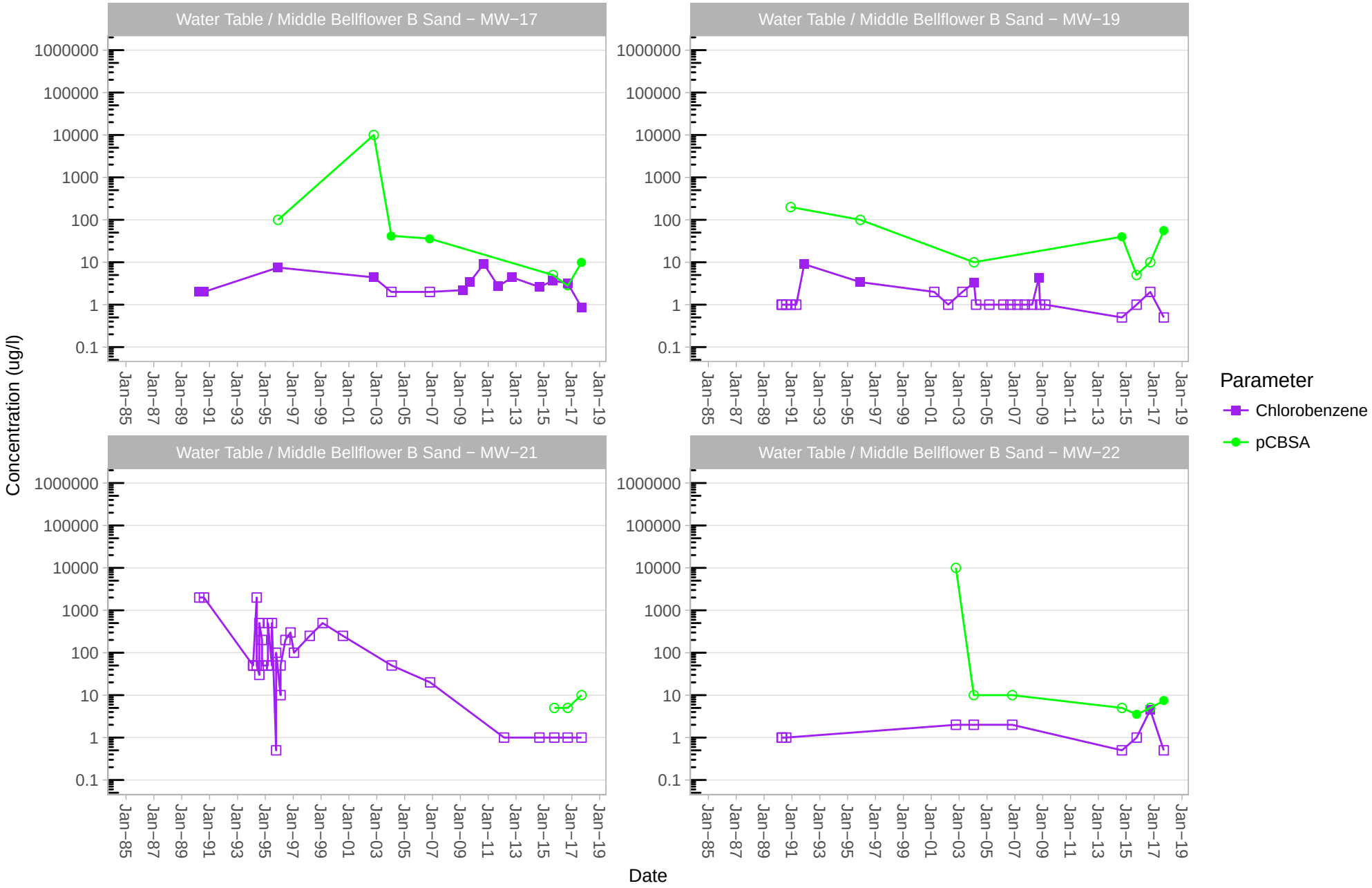
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 8 − Chlobenzene and pCBSA Time Series Plots

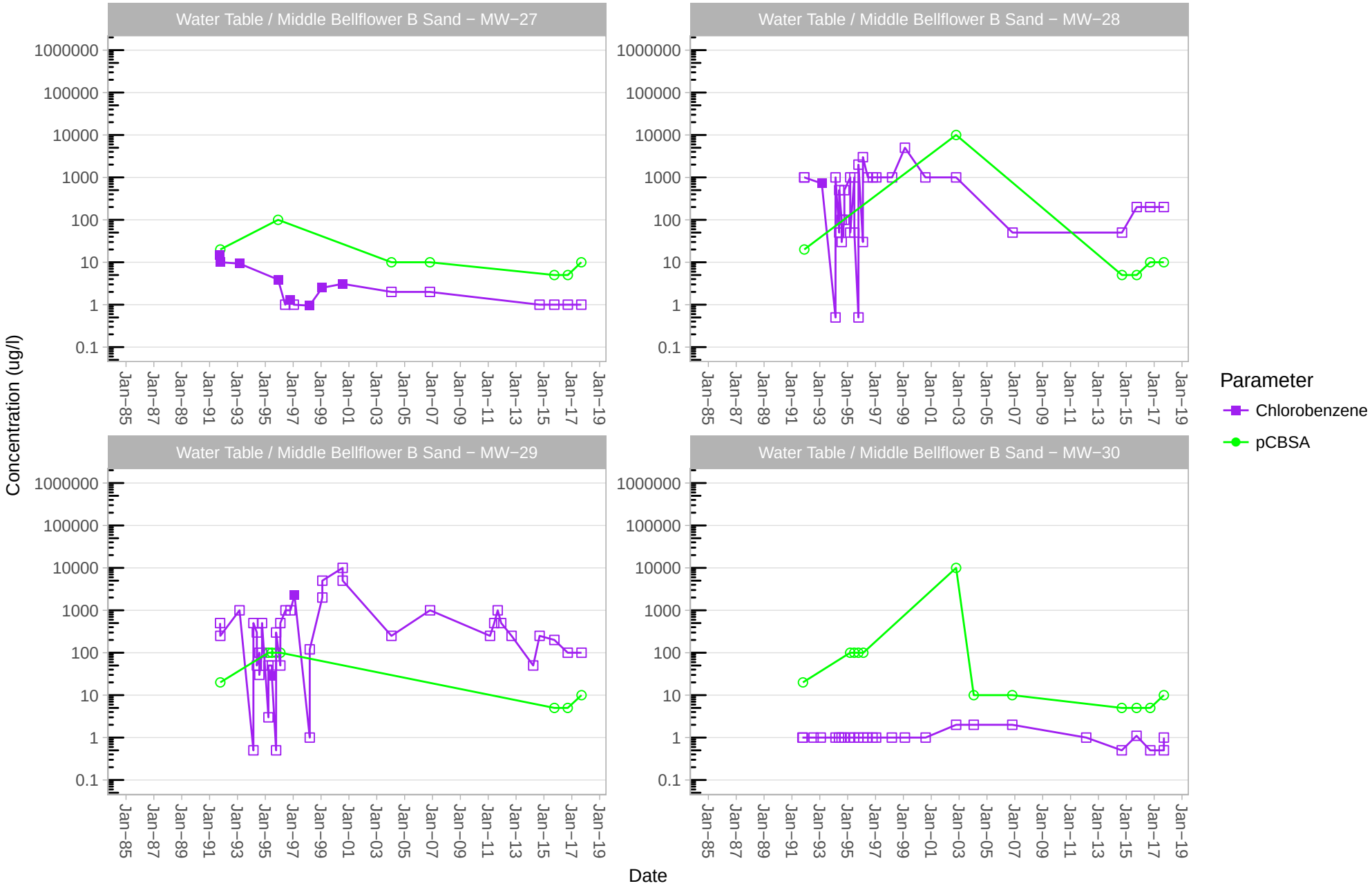
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 9 − Chlobenzene and pCBSA Time Series Plots

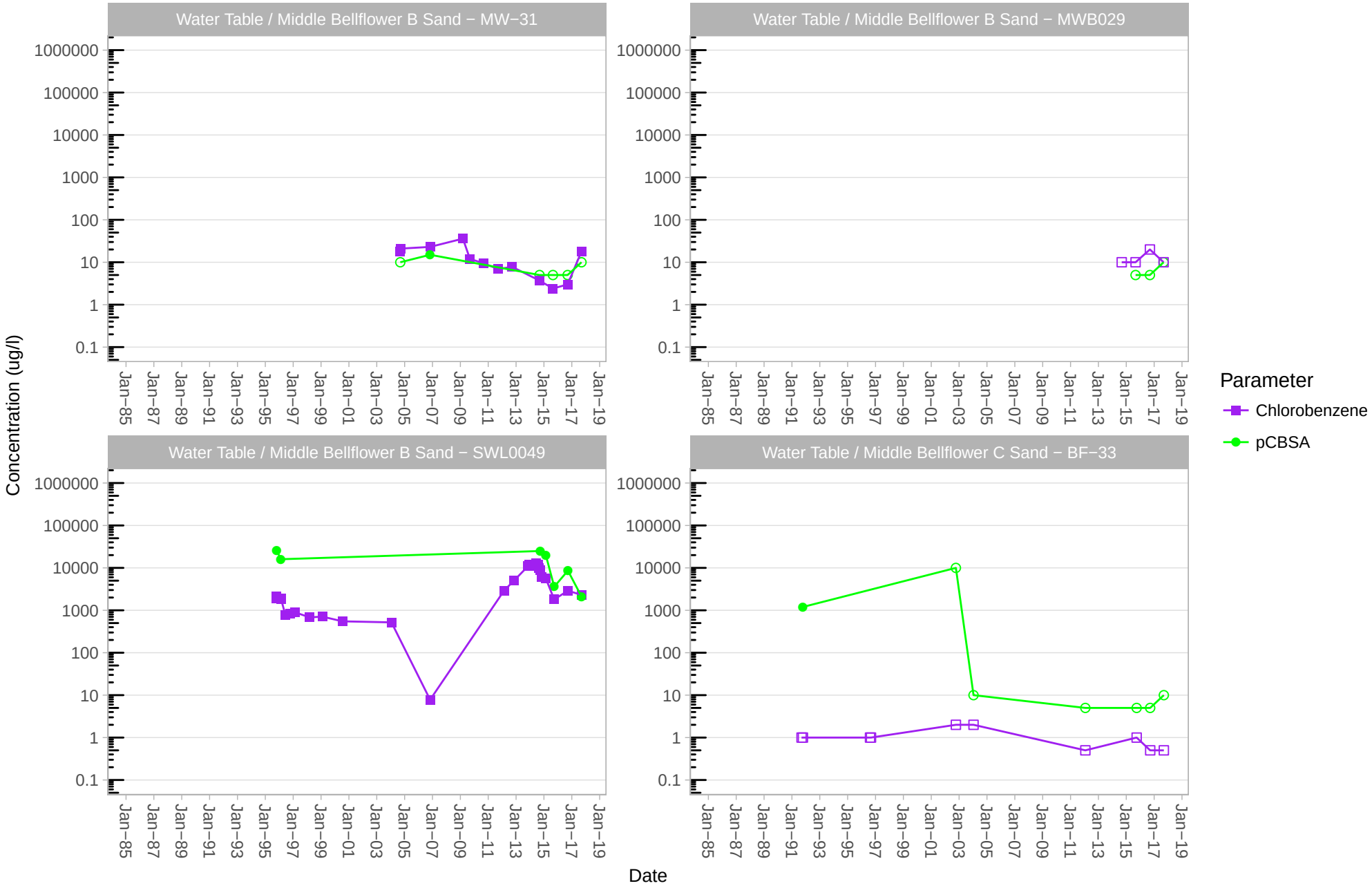
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 10 − Chlobenzene and pCBSA Time Series Plots

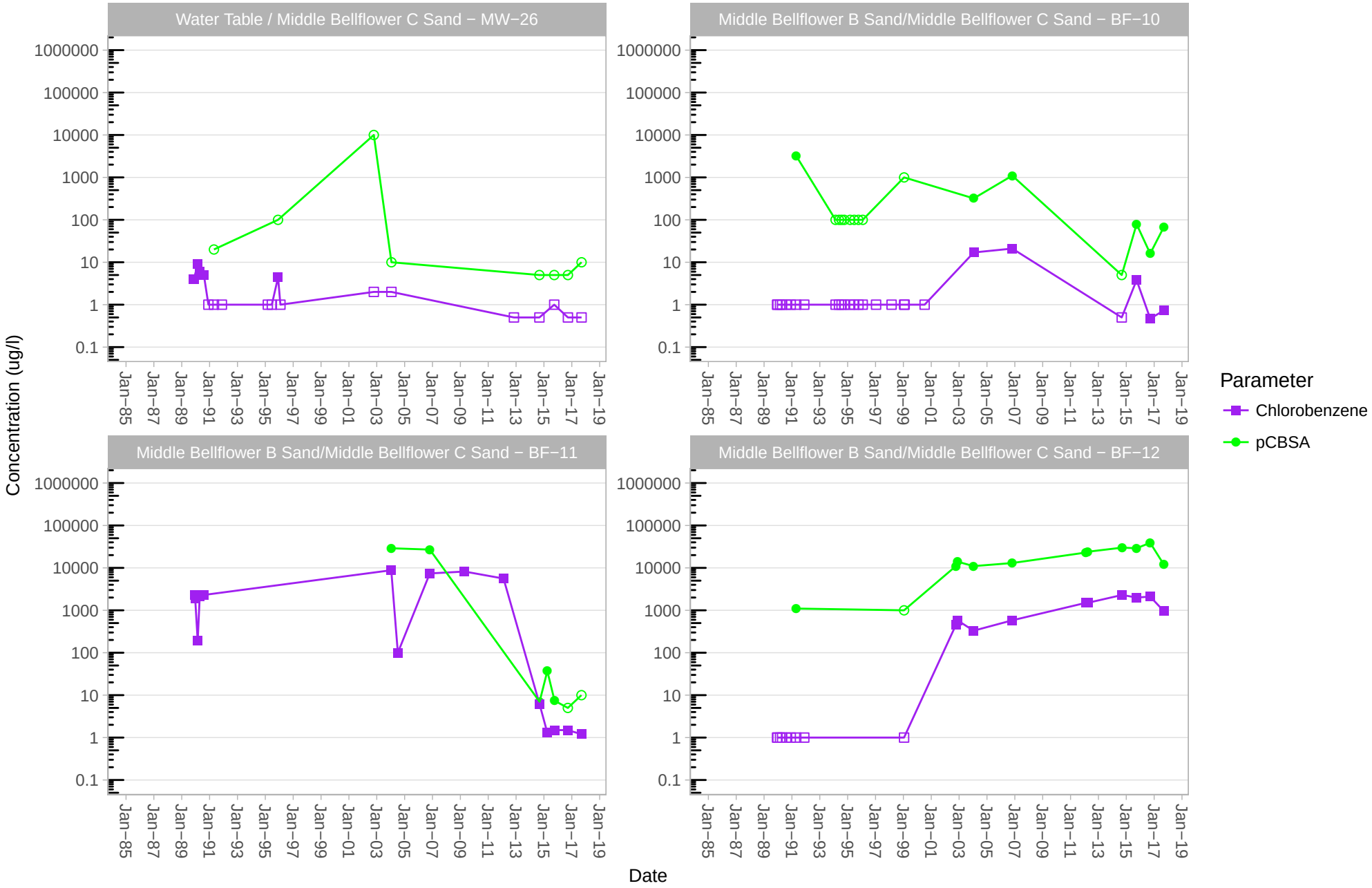
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 11 − Chlobenzene and pCBSA Time Series Plots

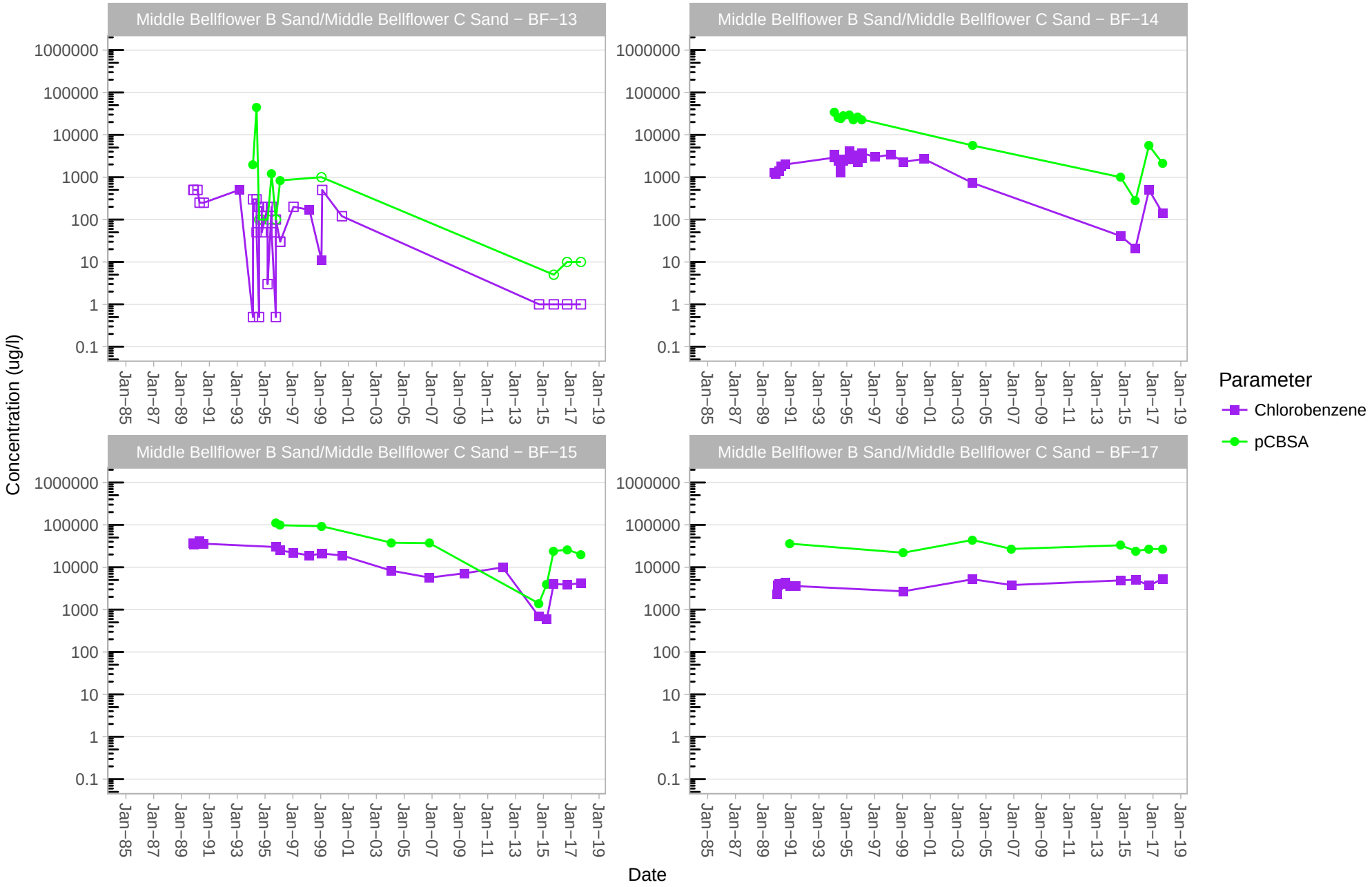
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 12 − Chlobenzene and pCBSA Time Series Plots

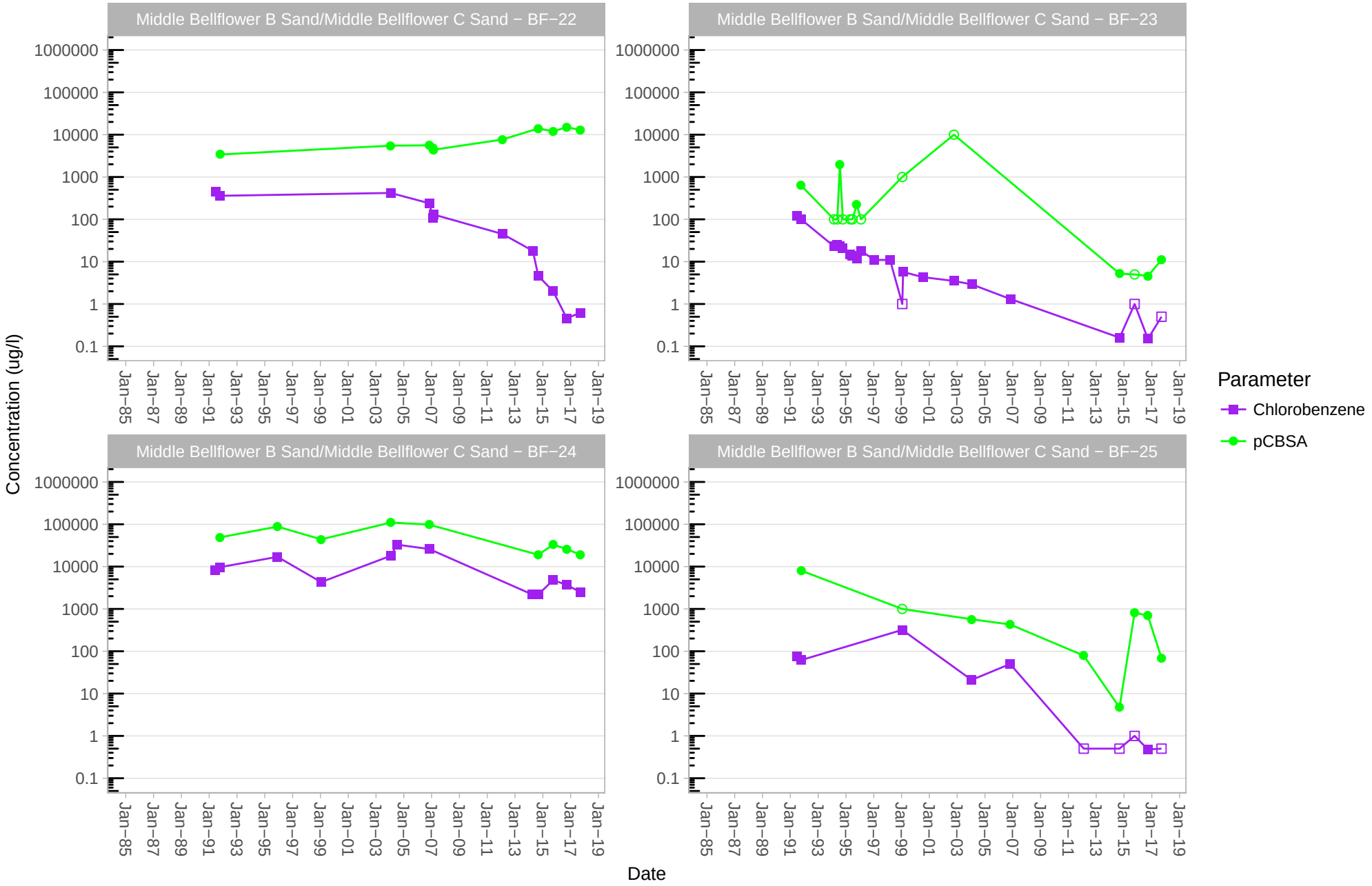
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 13 − Chlobenzene and pCBSA Time Series Plots

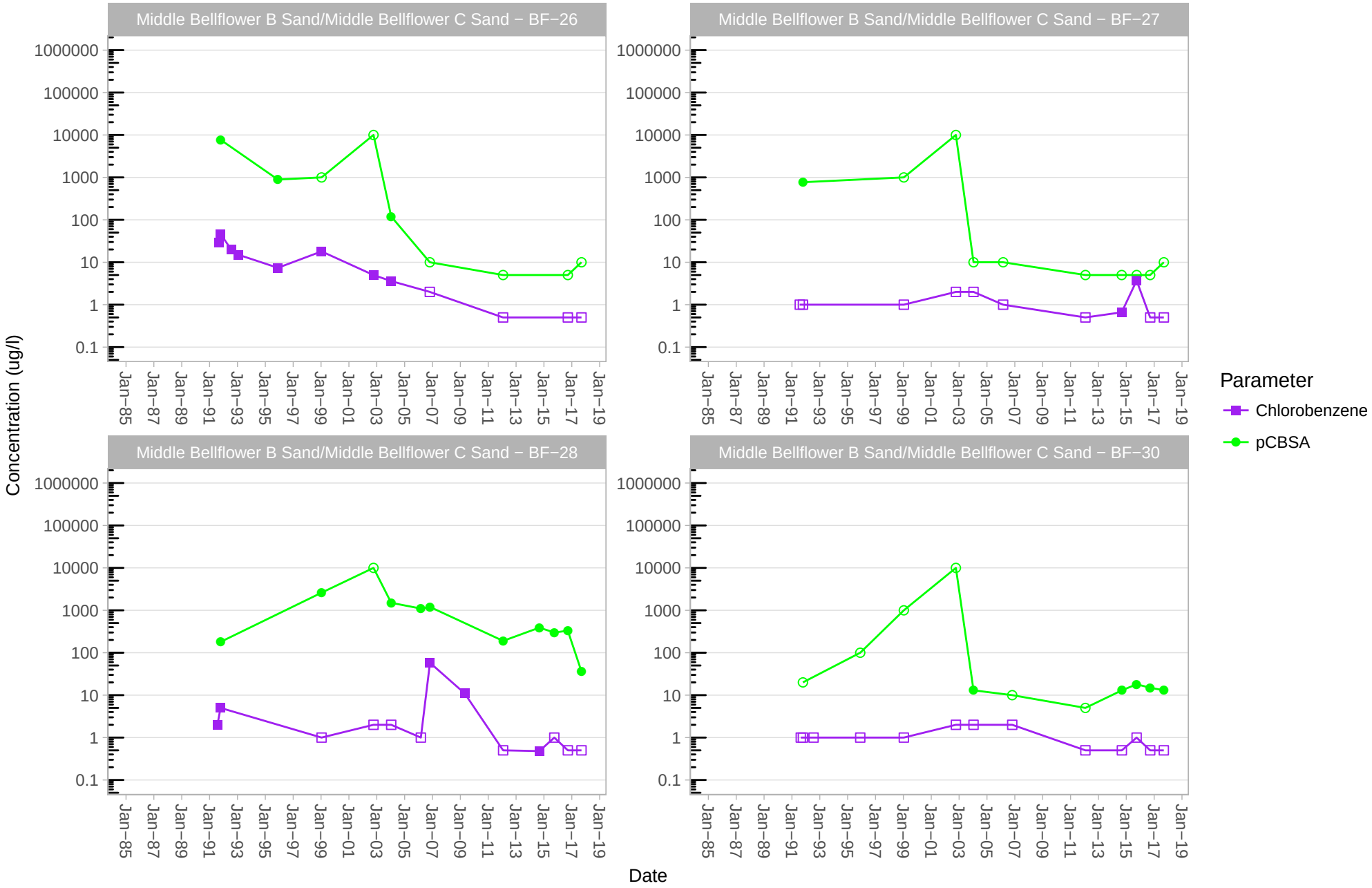
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 14 − Chlobenzene and pCBSA Time Series Plots

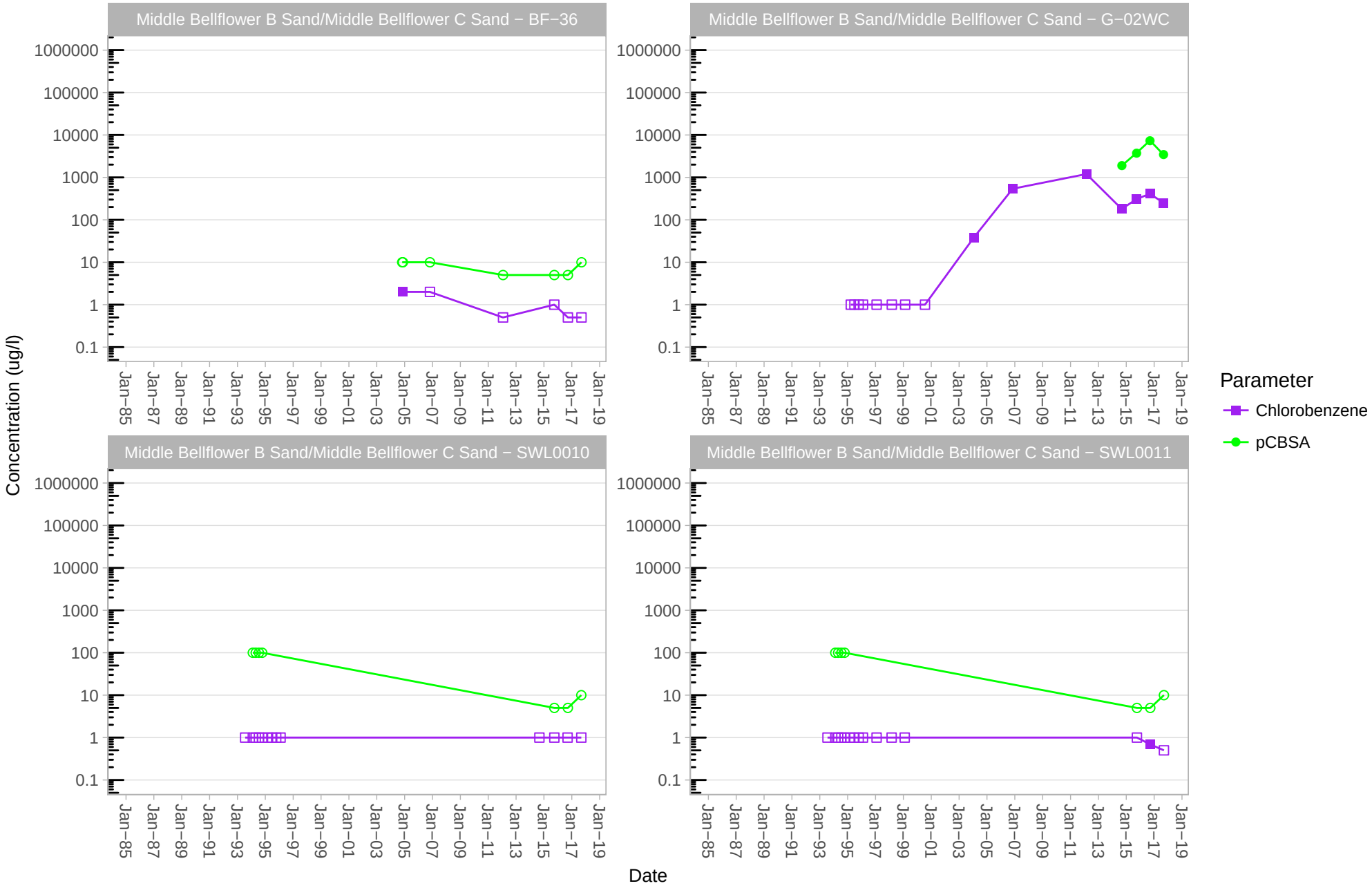
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 15 − Chlobenzene and pCBSA Time Series Plots

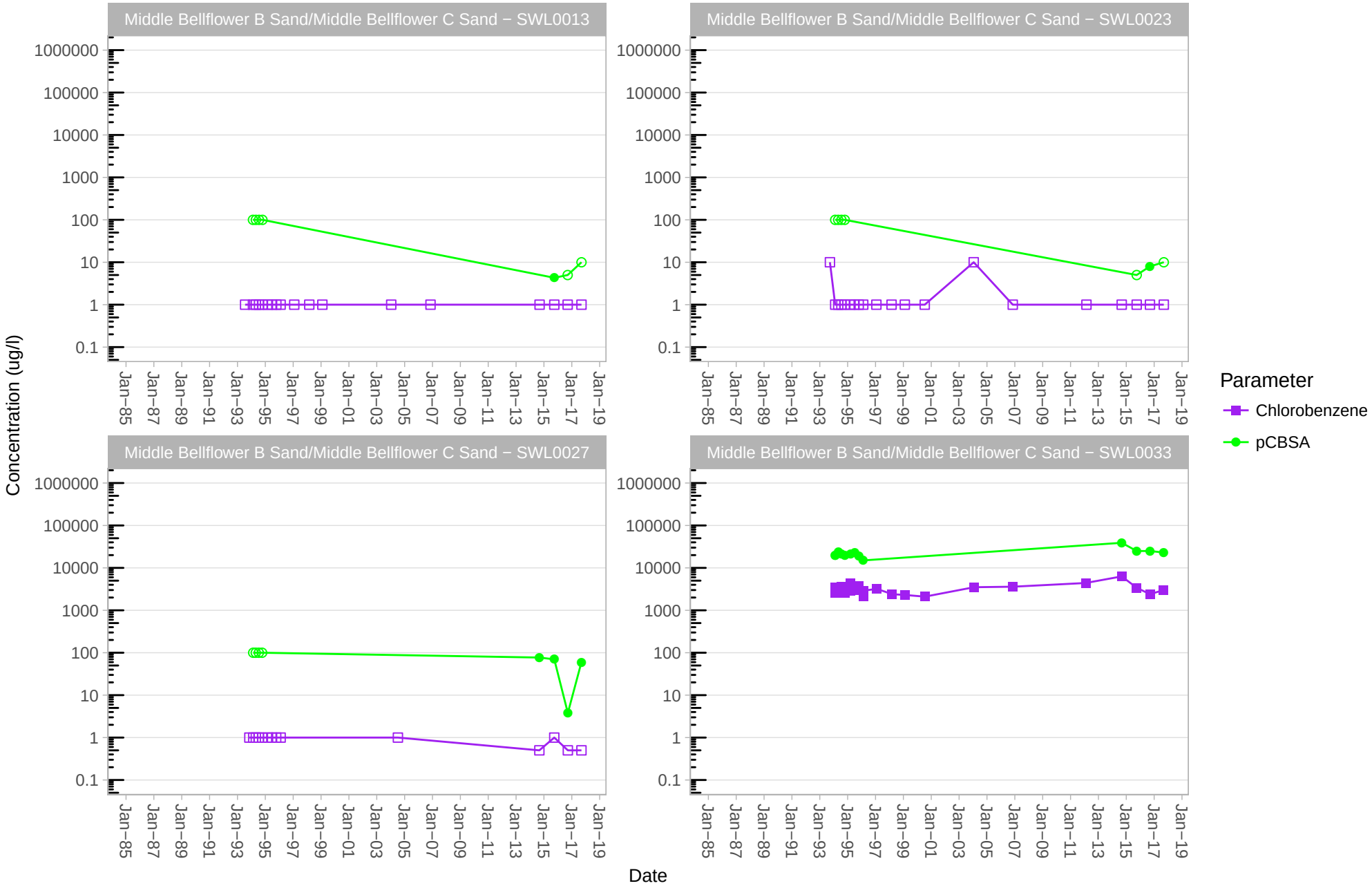
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 16 − Chlobenzene and pCBSA Time Series Plots

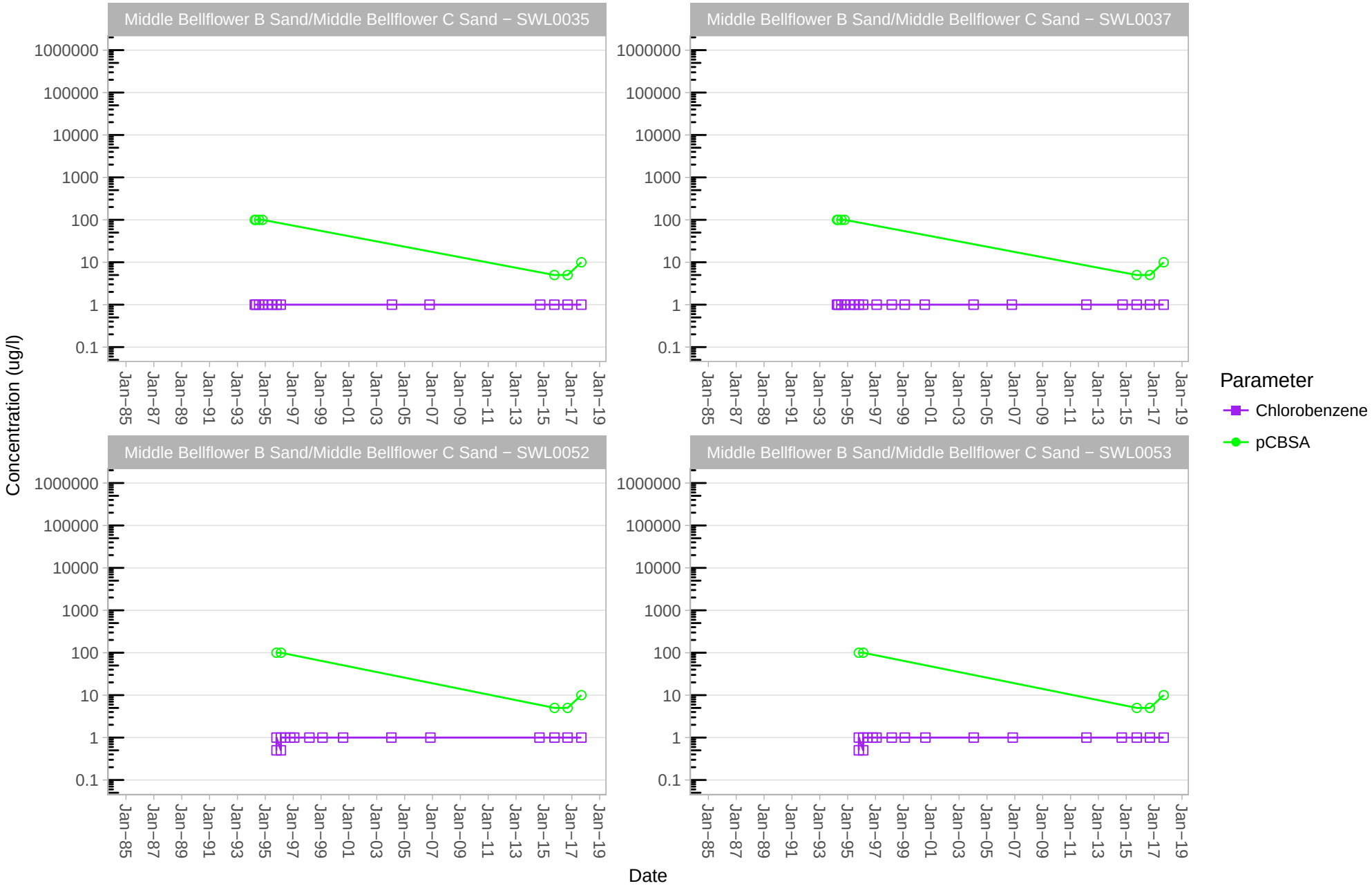
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 17 − Chlobenzene and pCBSA Time Series Plots

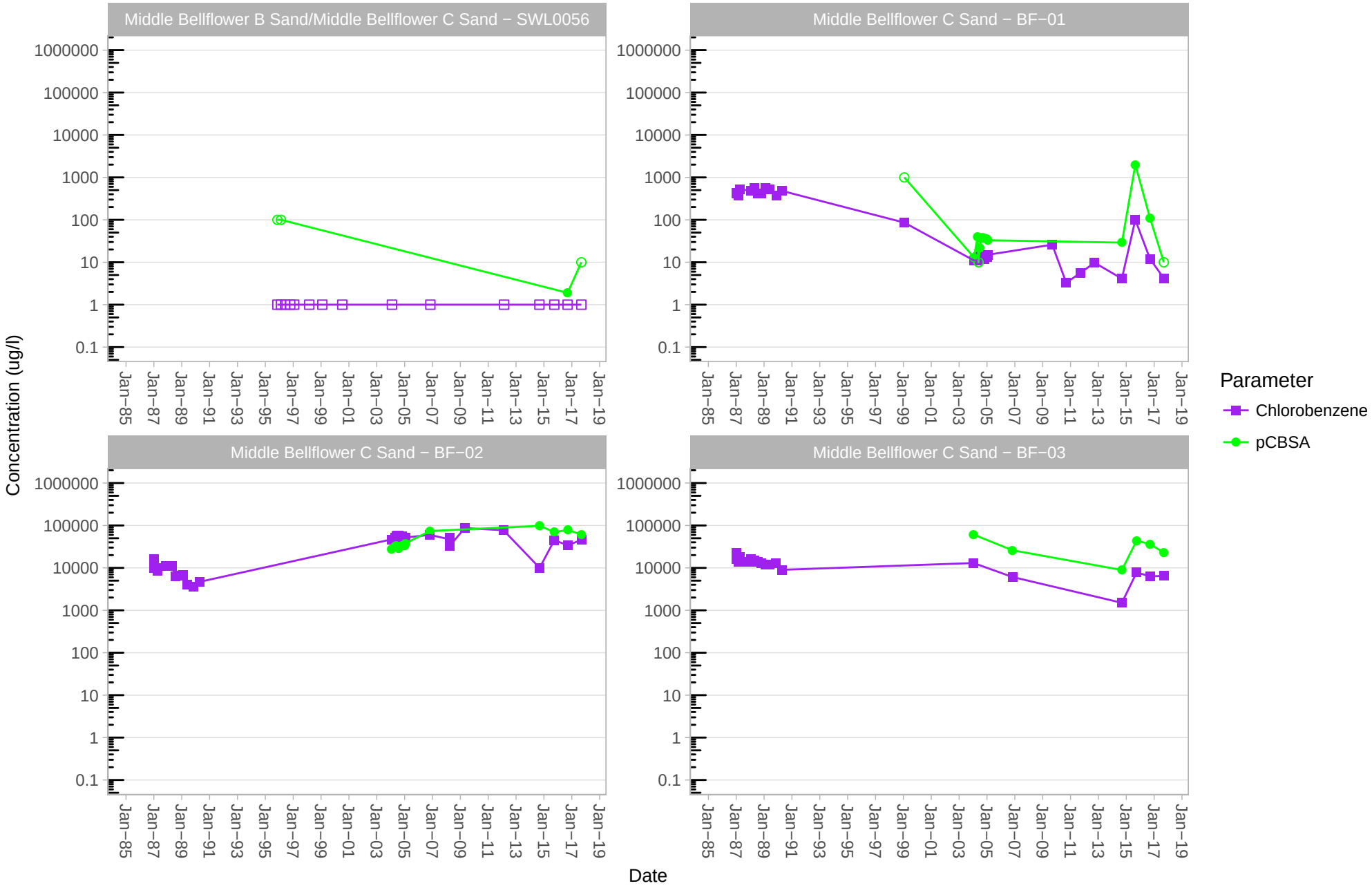
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 18 − Chlobenzene and pCBSA Time Series Plots

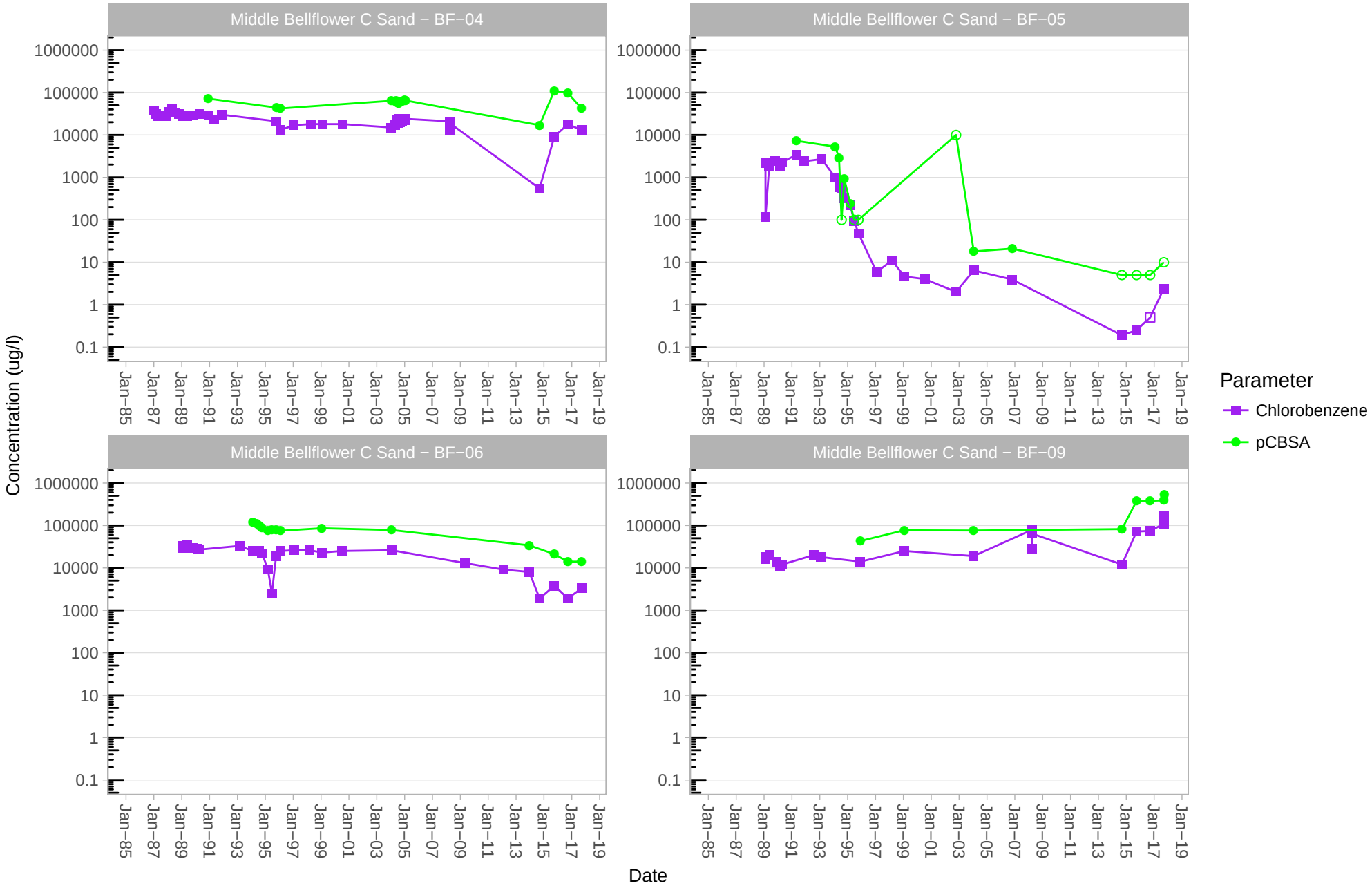
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 19 − Chlobenzene and pCBSA Time Series Plots

Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

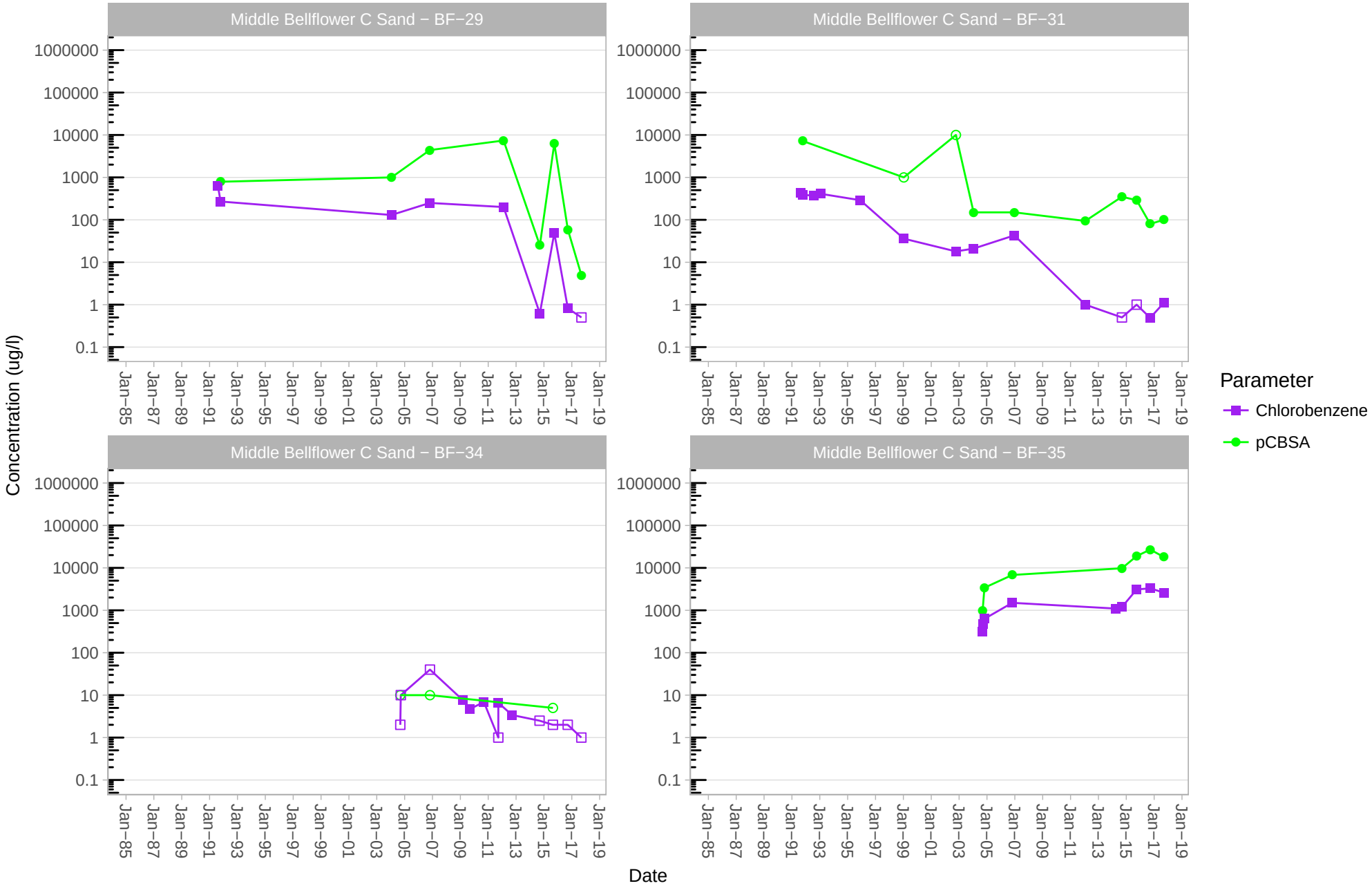
Appendix I − Graph 20 − Chlobenzene and pCBSA Time Series Plots

Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR

Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 21 − Chlobenzene and pCBSA Time Series Plots

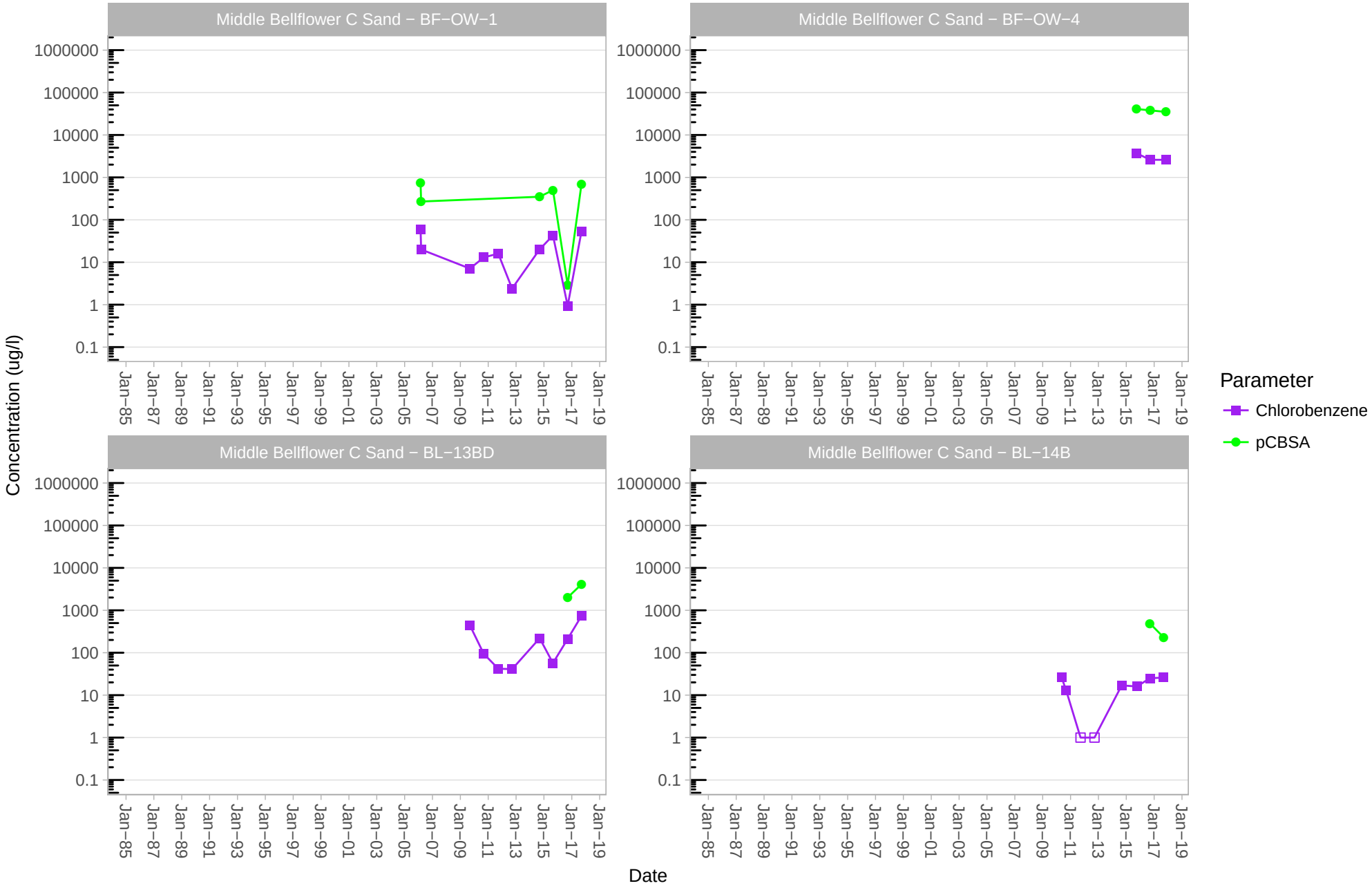
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 22 − Chlobenzene and pCBSA Time Series Plots

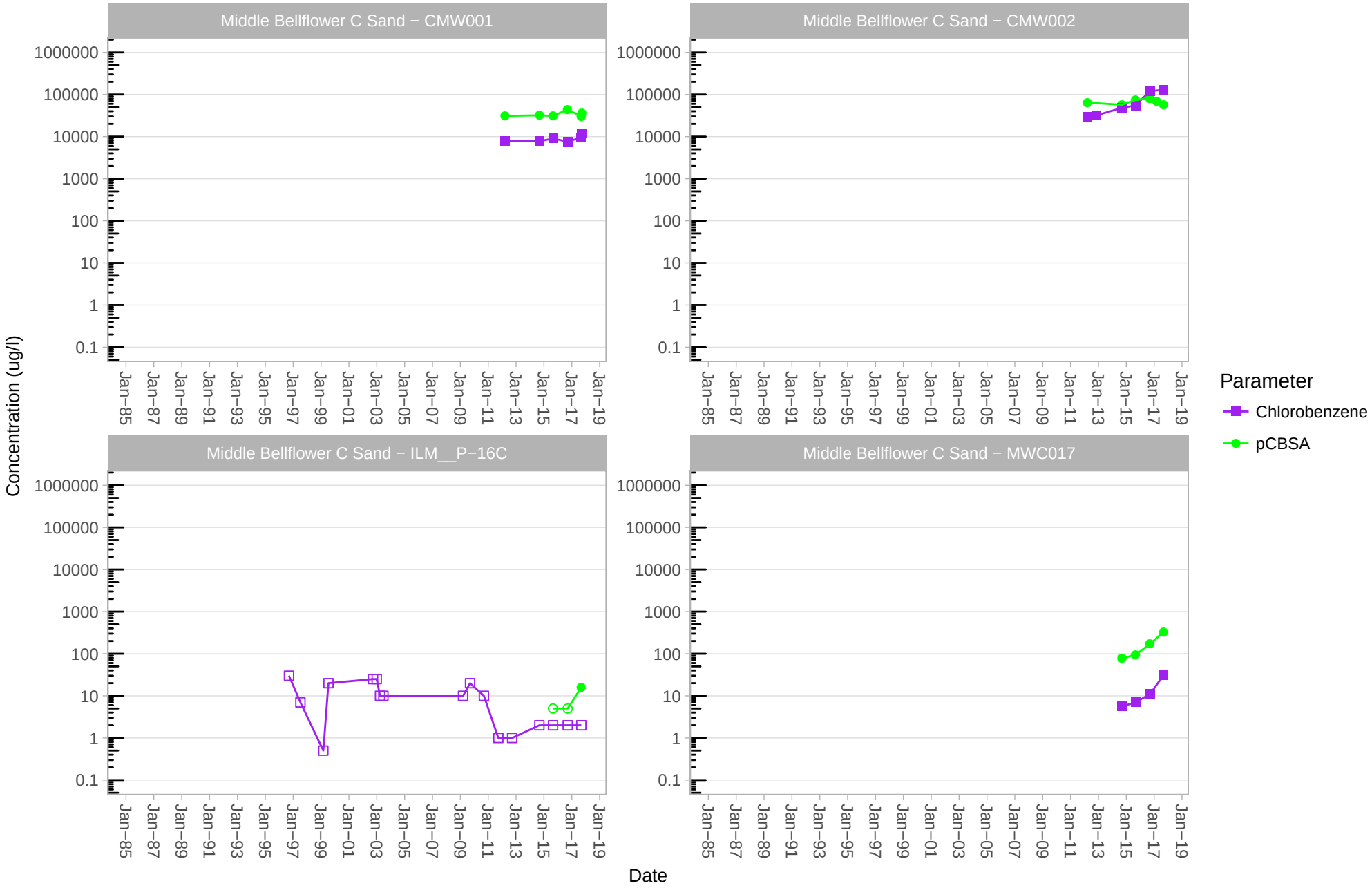
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 23 − Chlobenzene and pCBSA Time Series Plots

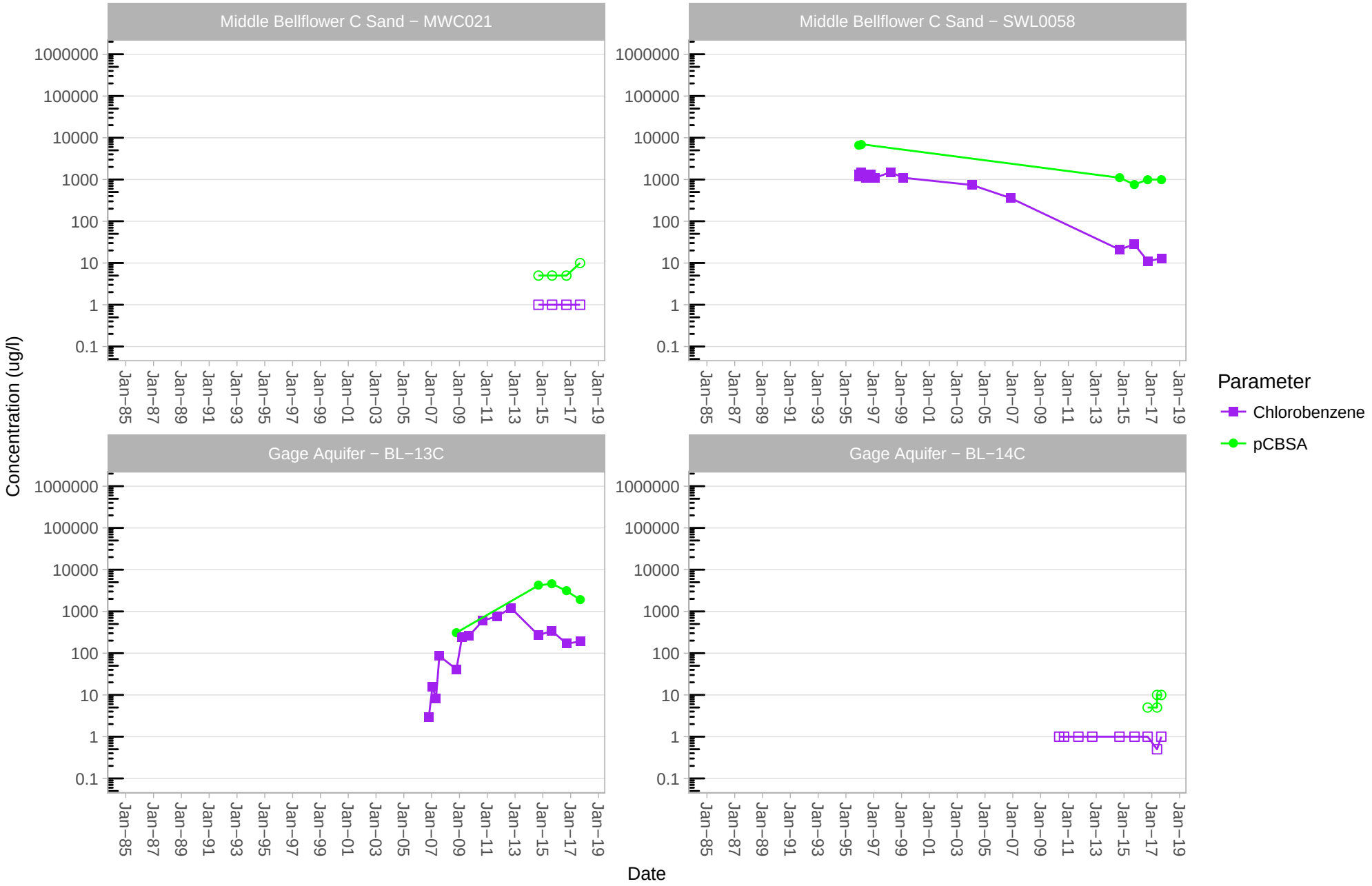
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 24 − Chlobenzene and pCBSA Time Series Plots

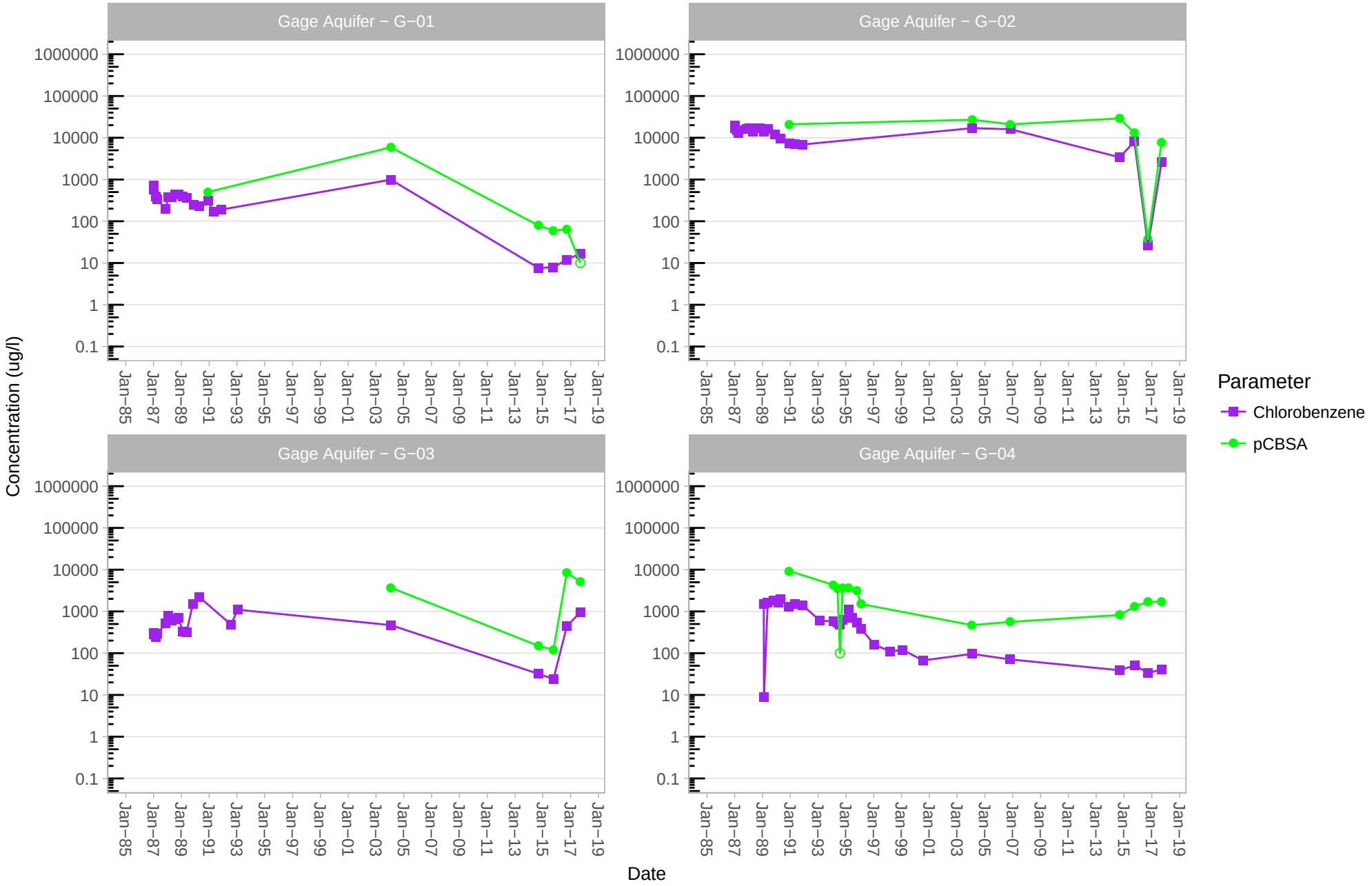
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 25 − Chlobenzene and pCBSA Time Series Plots

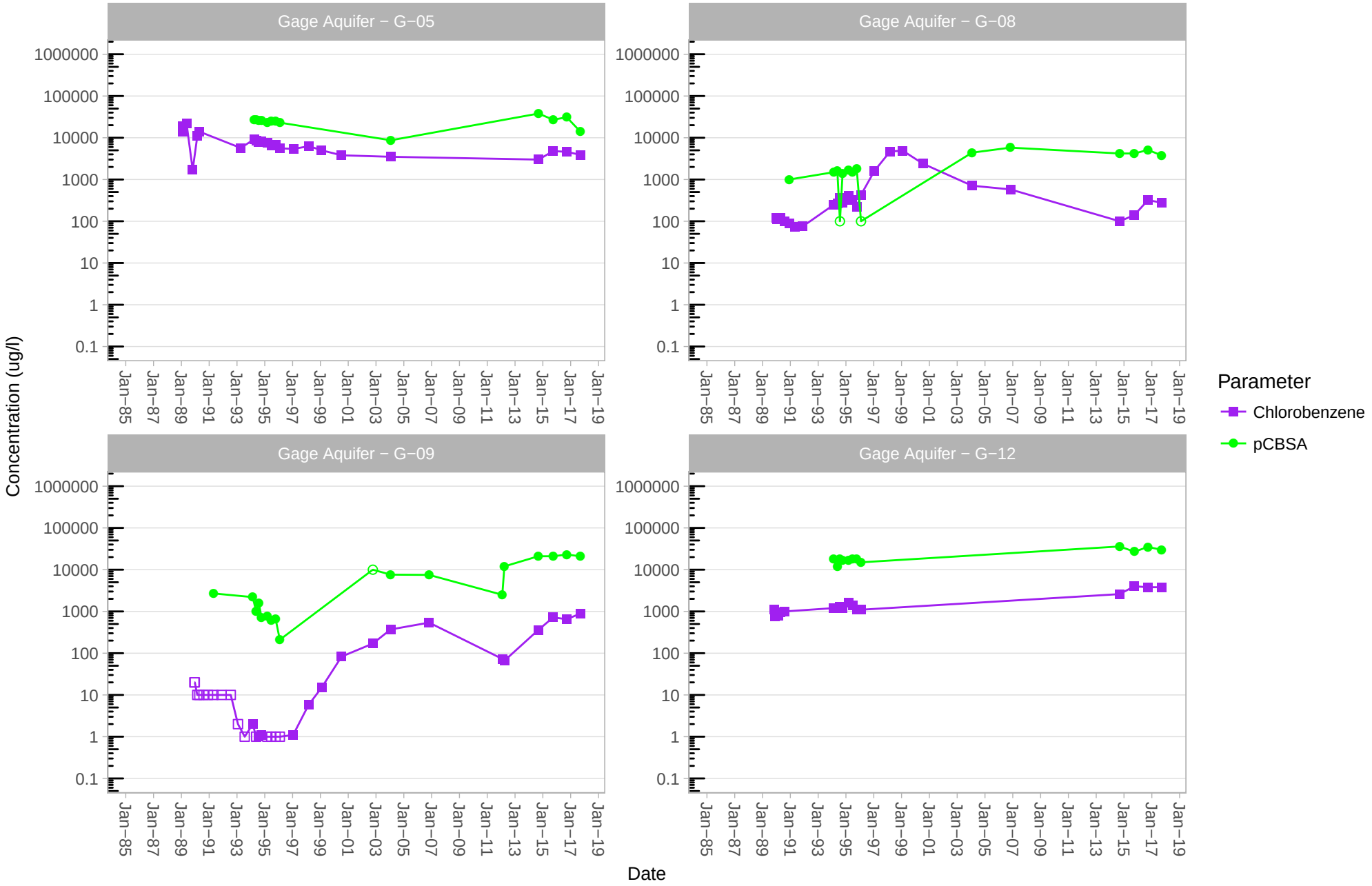
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 26 − Chlobenzene and pCBSA Time Series Plots

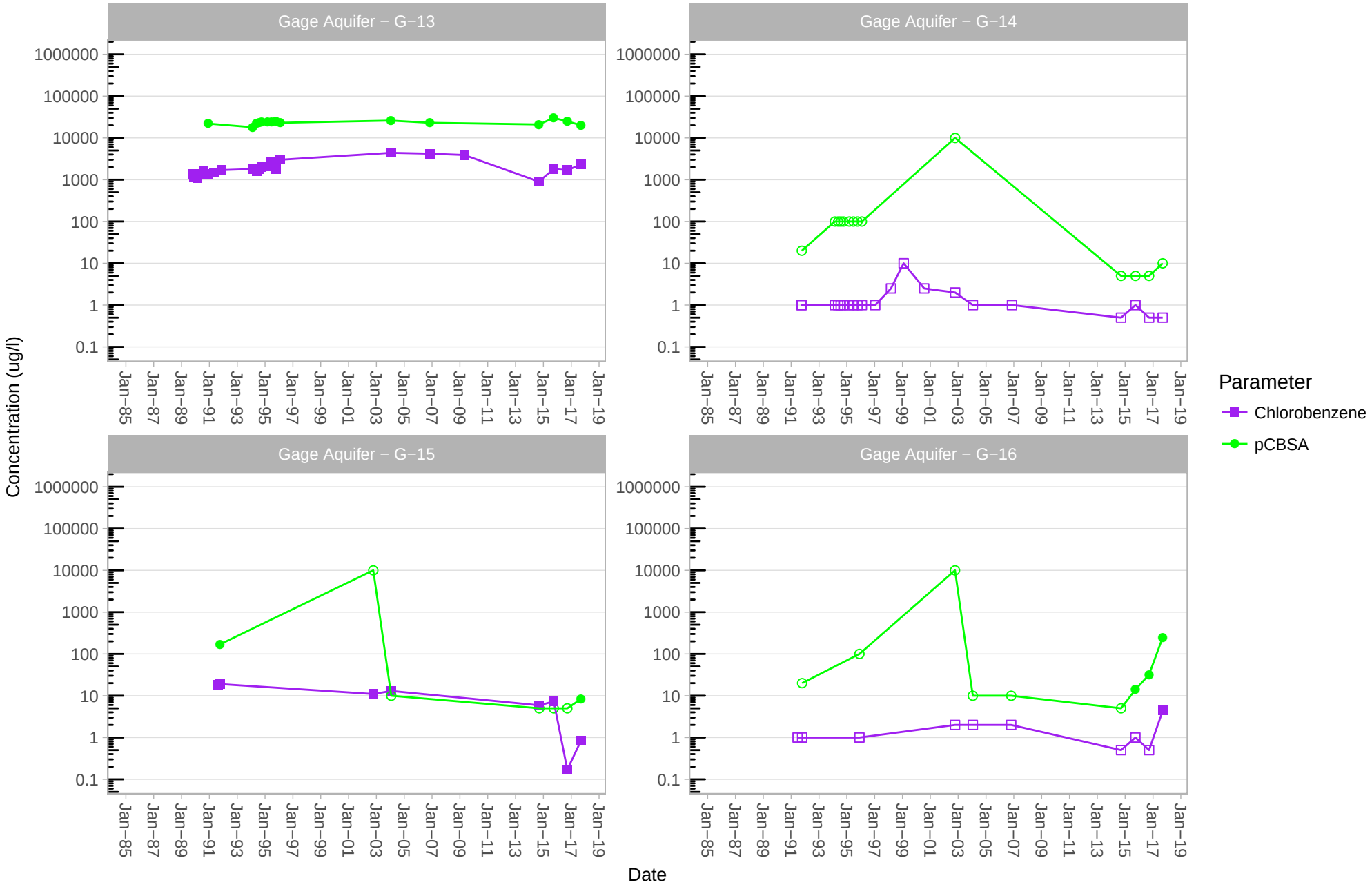
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 27 − Chlobenzene and pCBSA Time Series Plots

Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

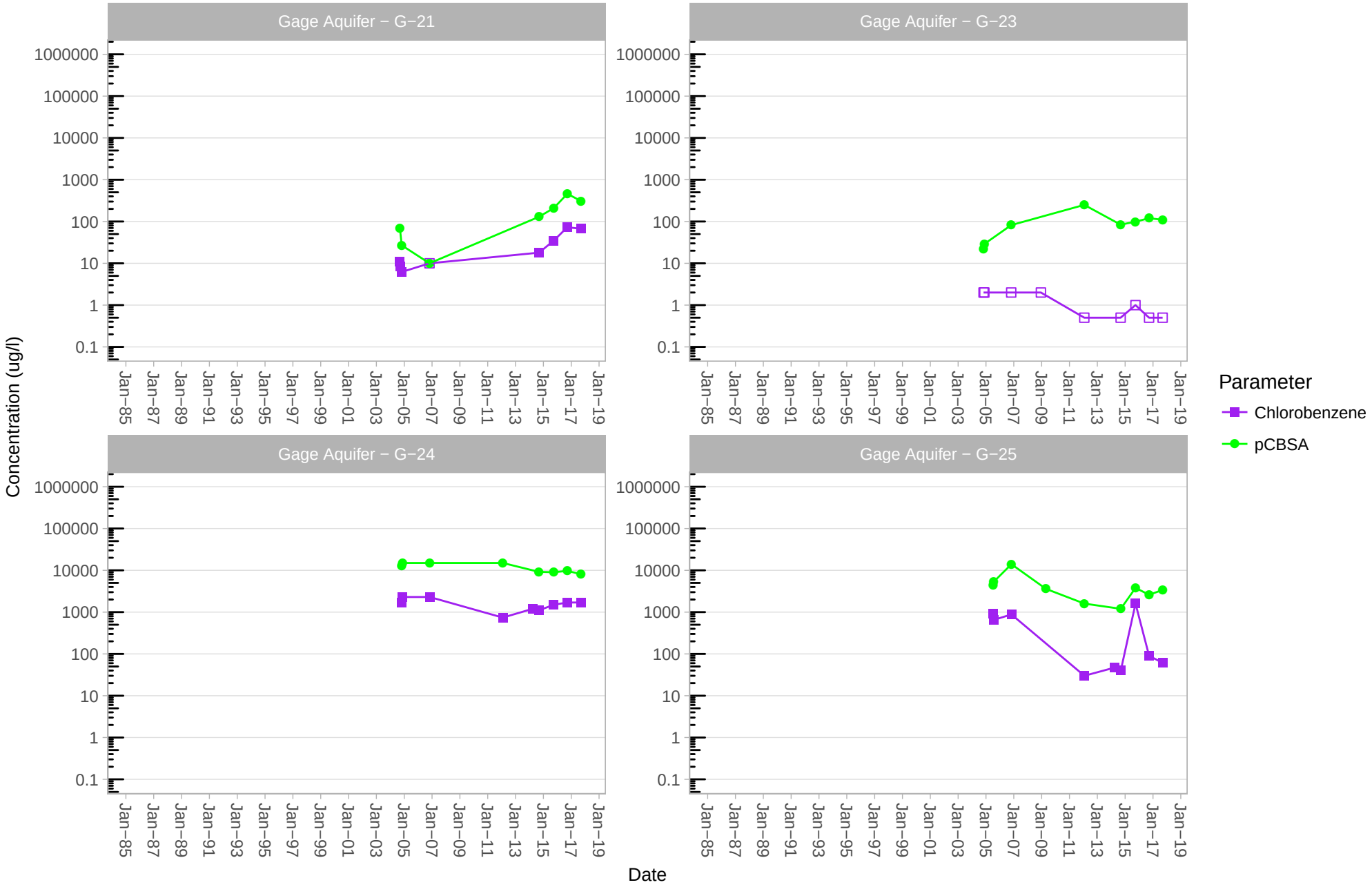
Appendix I − Graph 28 − Chlobenzene and pCBSA Time Series Plots

Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR

Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 29 − Chlobenzene and pCBSA Time Series Plots

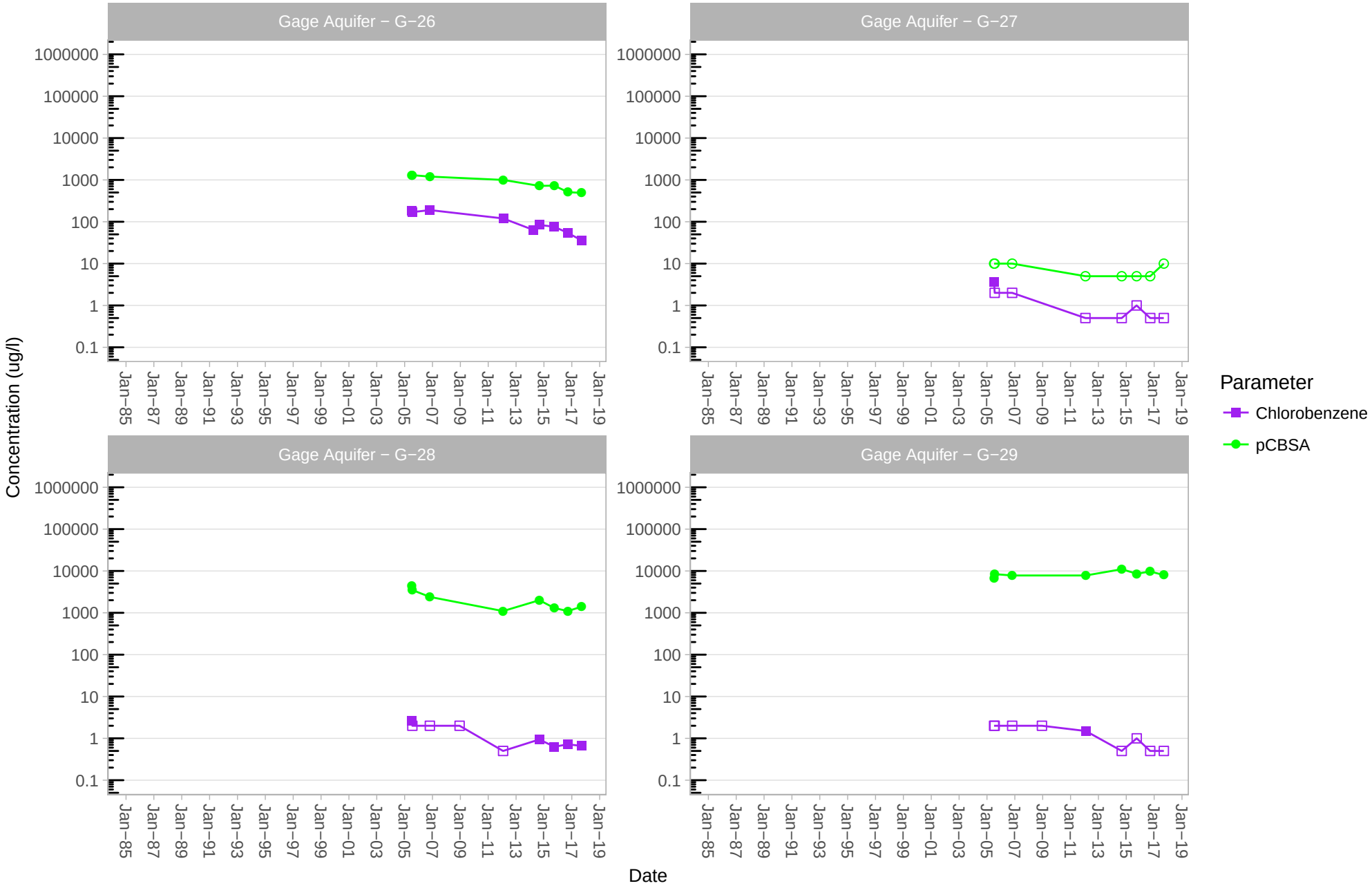
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 30 − Chlobenzene and pCBSA Time Series Plots

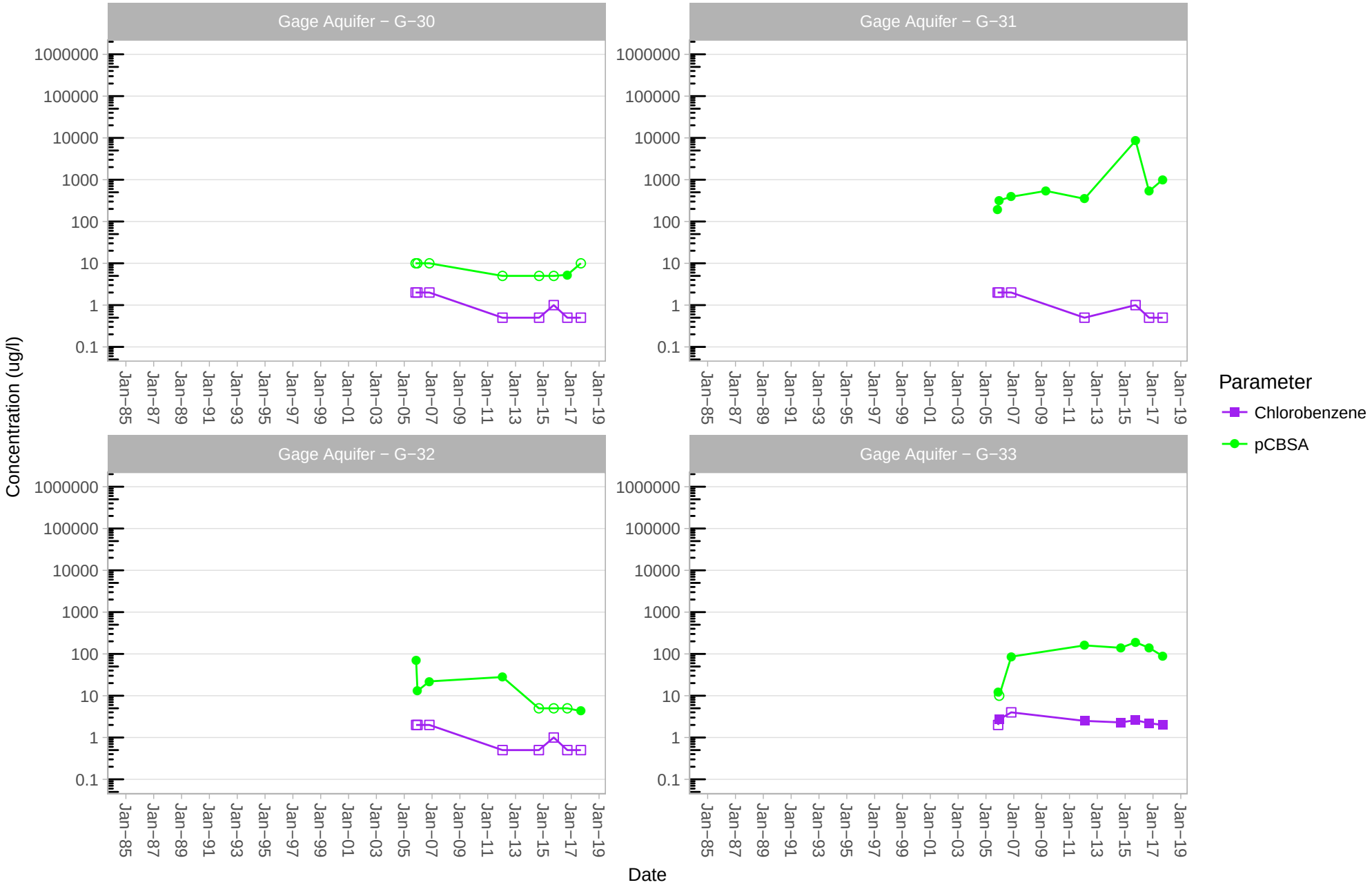
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 31 − Chlobenzene and pCBSA Time Series Plots

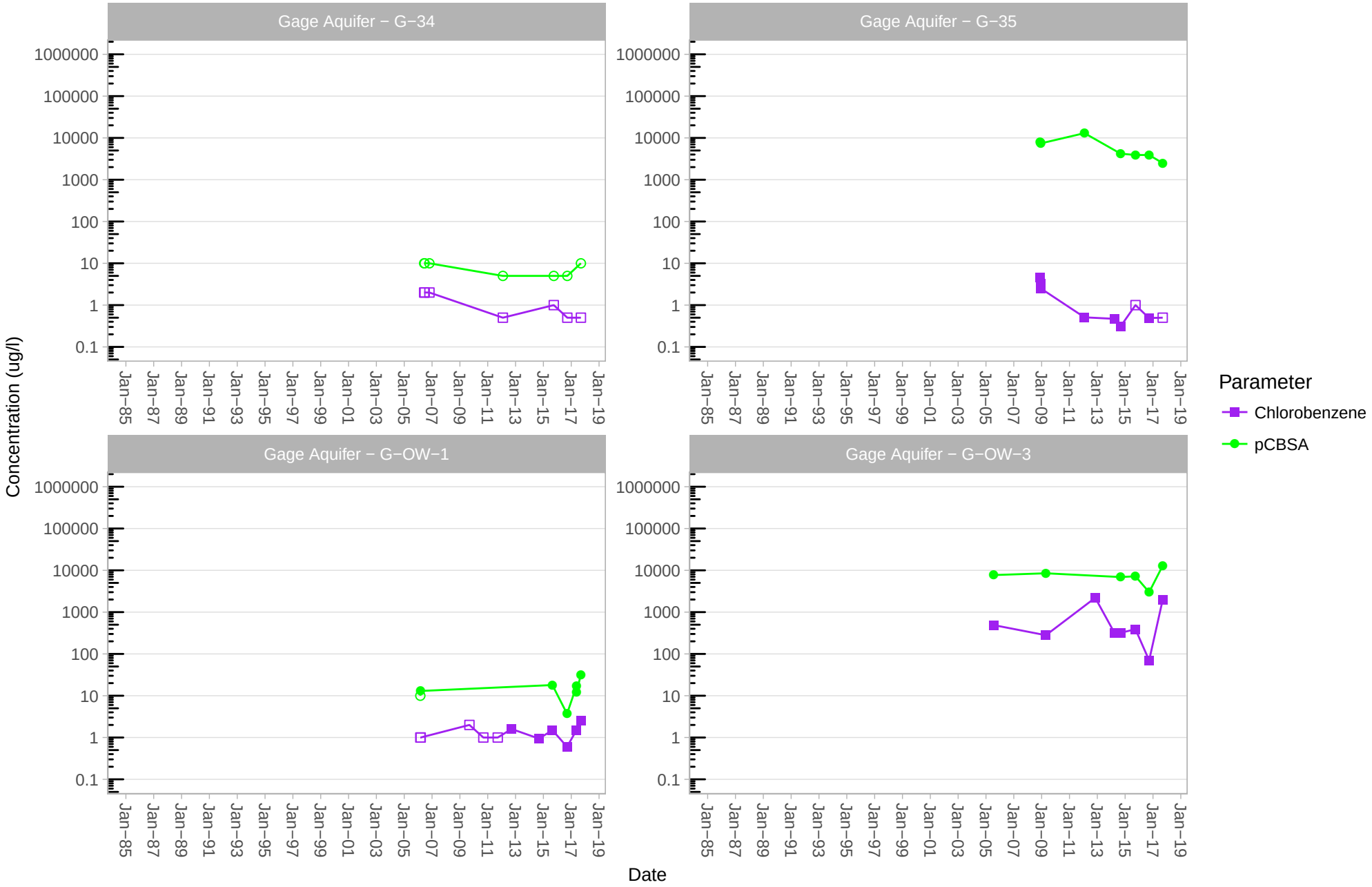
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 32 − Chlobenzene and pCBSA Time Series Plots

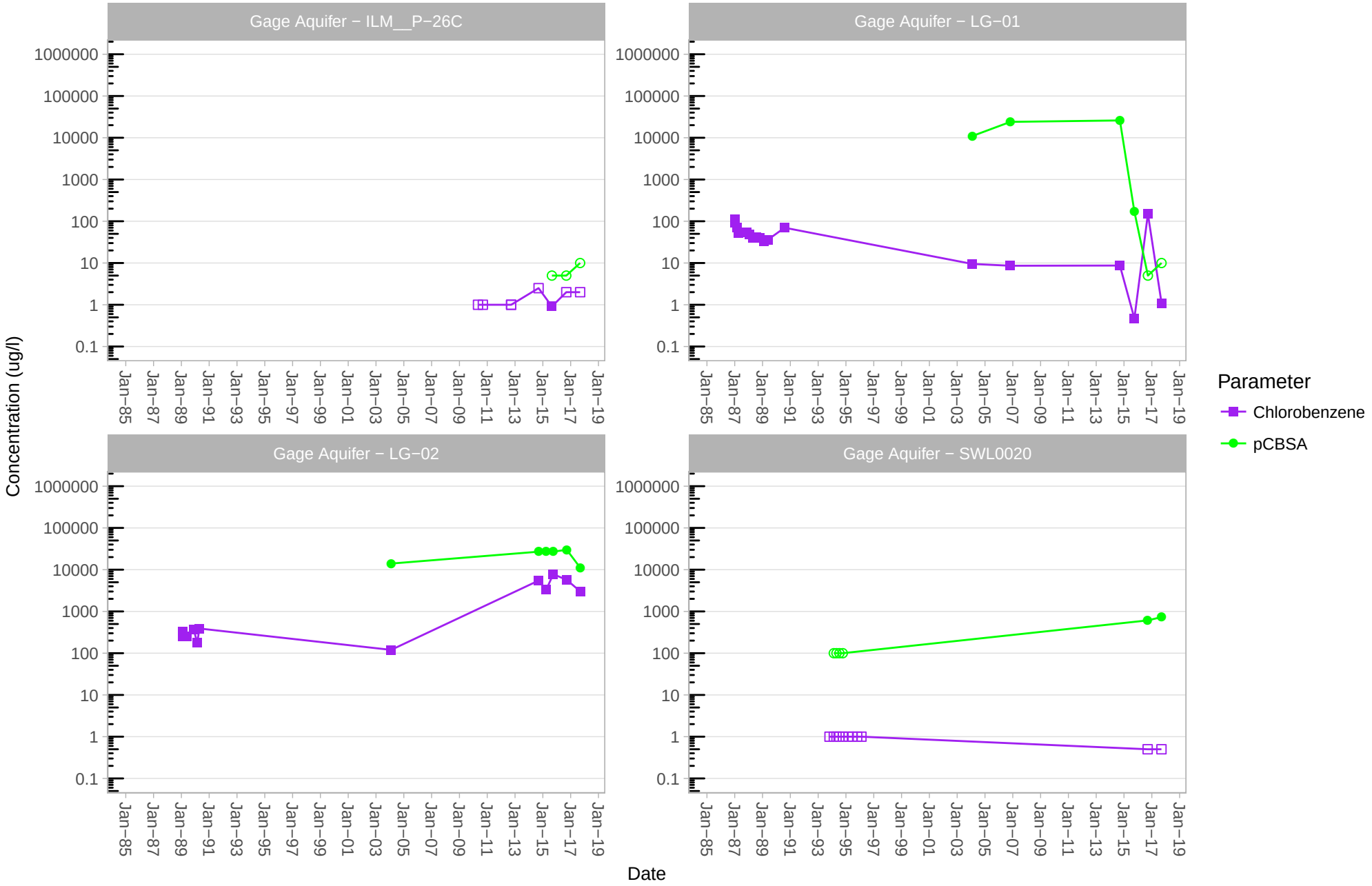
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 33 − Chlobenzene and pCBSA Time Series Plots

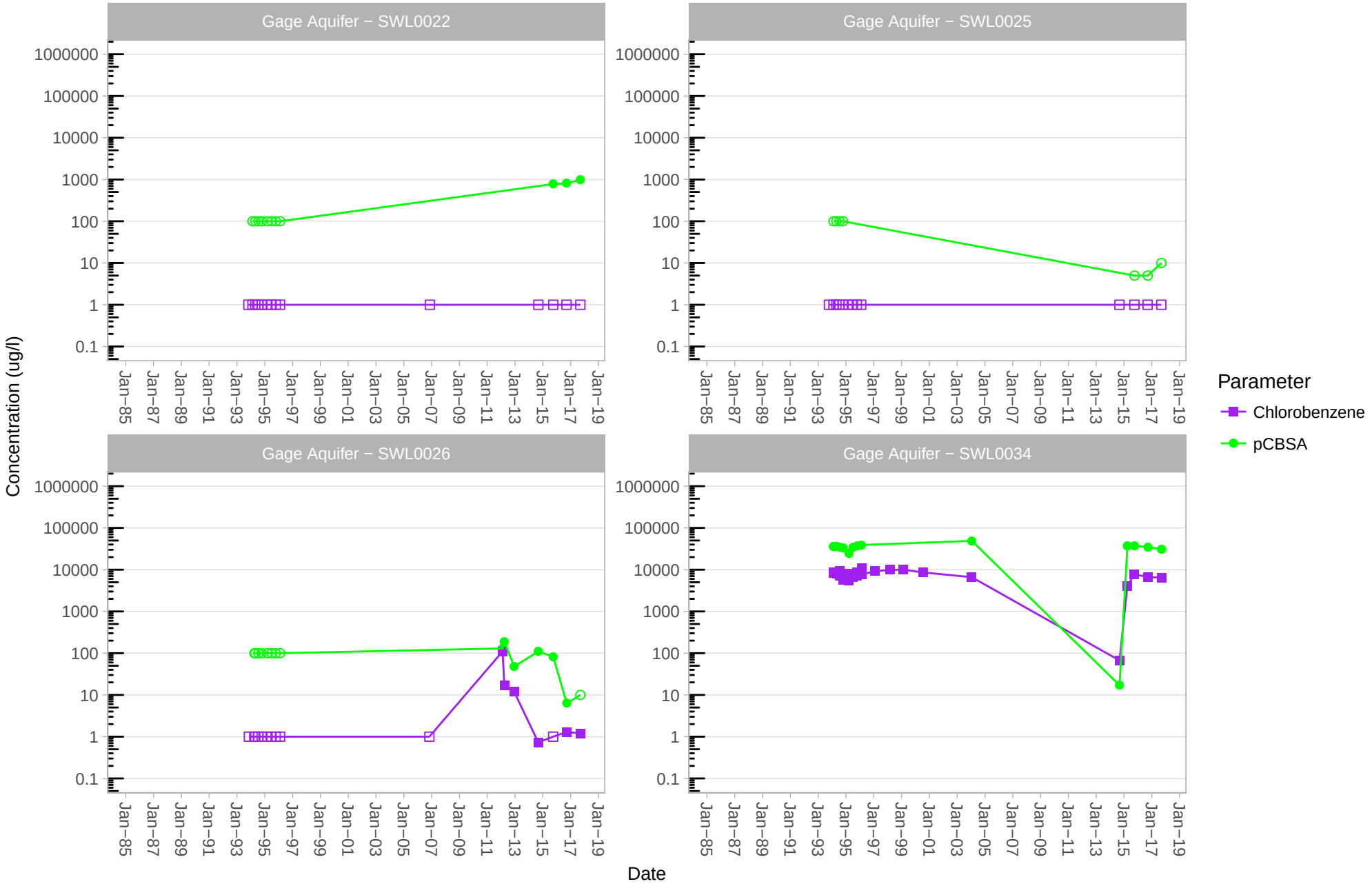
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 34 − Chlobenzene and pCBSA Time Series Plots

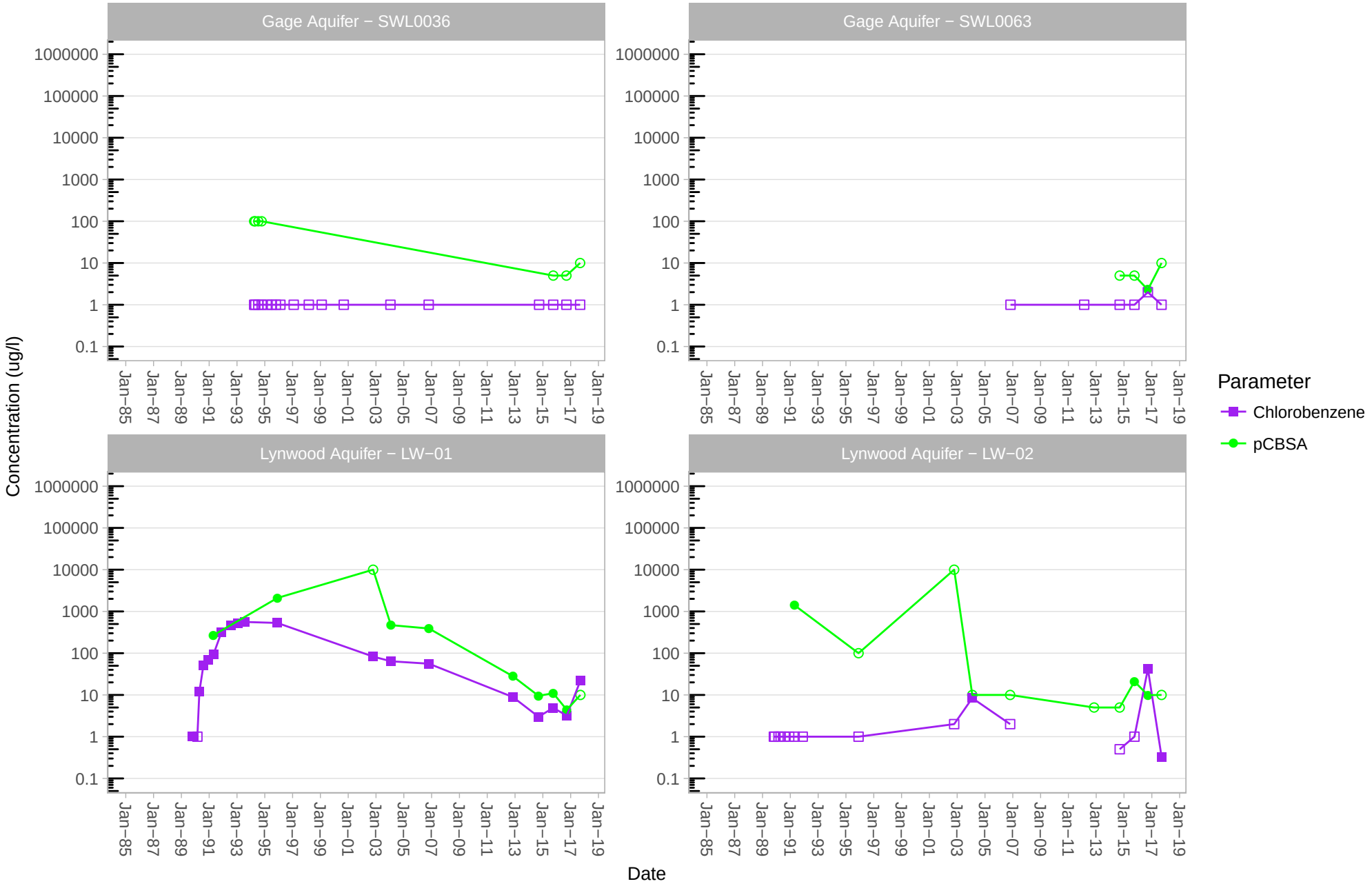
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 35 − Chlobenzene and pCBSA Time Series Plots

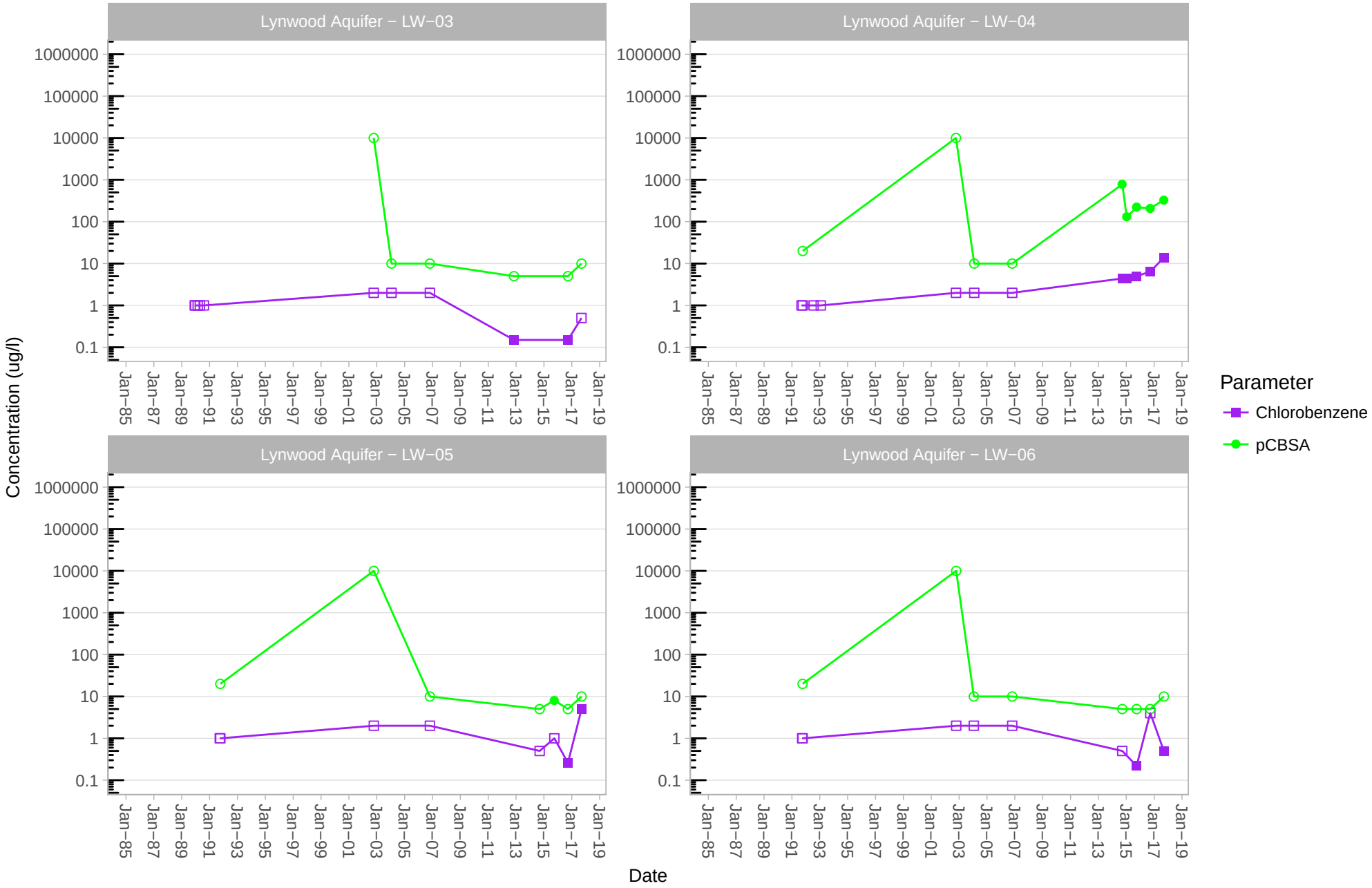
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 36 − Chlobenzene and pCBSA Time Series Plots

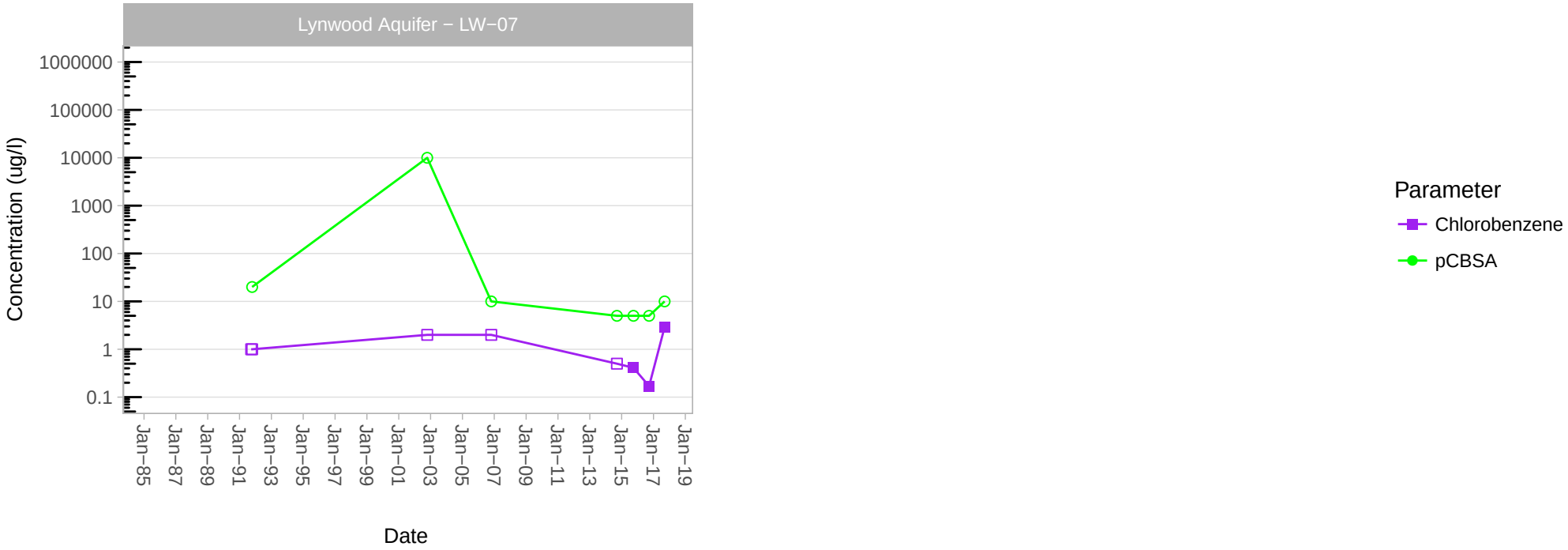
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix I − Graph 37 − Chlobenzene and pCBSA Time Series Plots

Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J

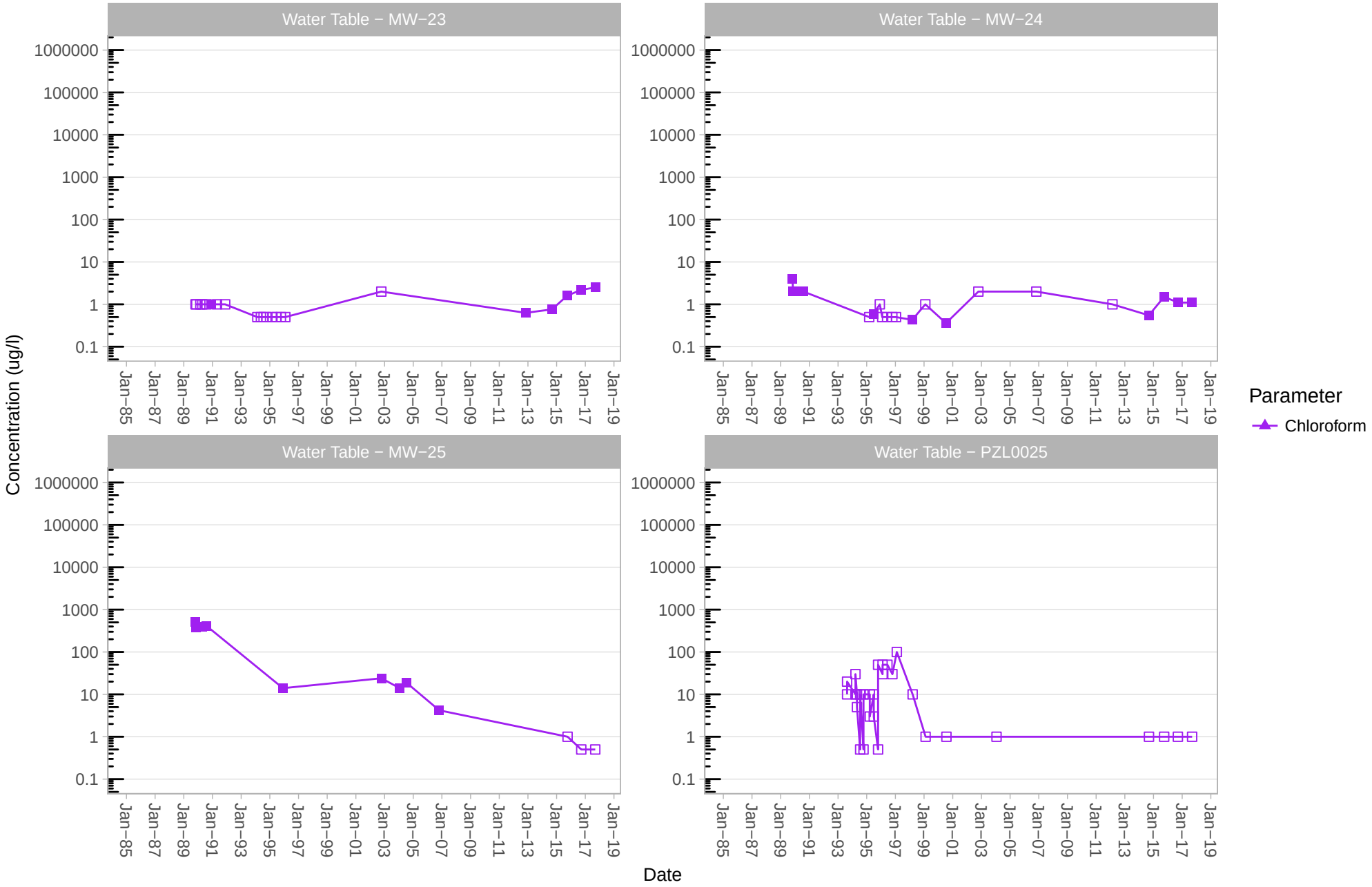
Chloroform Concentration vs. Time Graphs

The following Concentration vs. Time Graphs are sorted first by aquifer designation, and then alpha-numerically by well name. The aquifer order is as follows:

- Water Table
- Water Table / Middle Bellflower B Sand
- Water Table / Middle Bellflower C Sand
- Middle Bellflower B Sand
- Middle Bellflower B Sand / Middle Bellflower C Sand
- Middle Bellflower C Sand
- Gage
- Lynwood

Appendix J − Graph 1 − Chloroform Time Series Plots

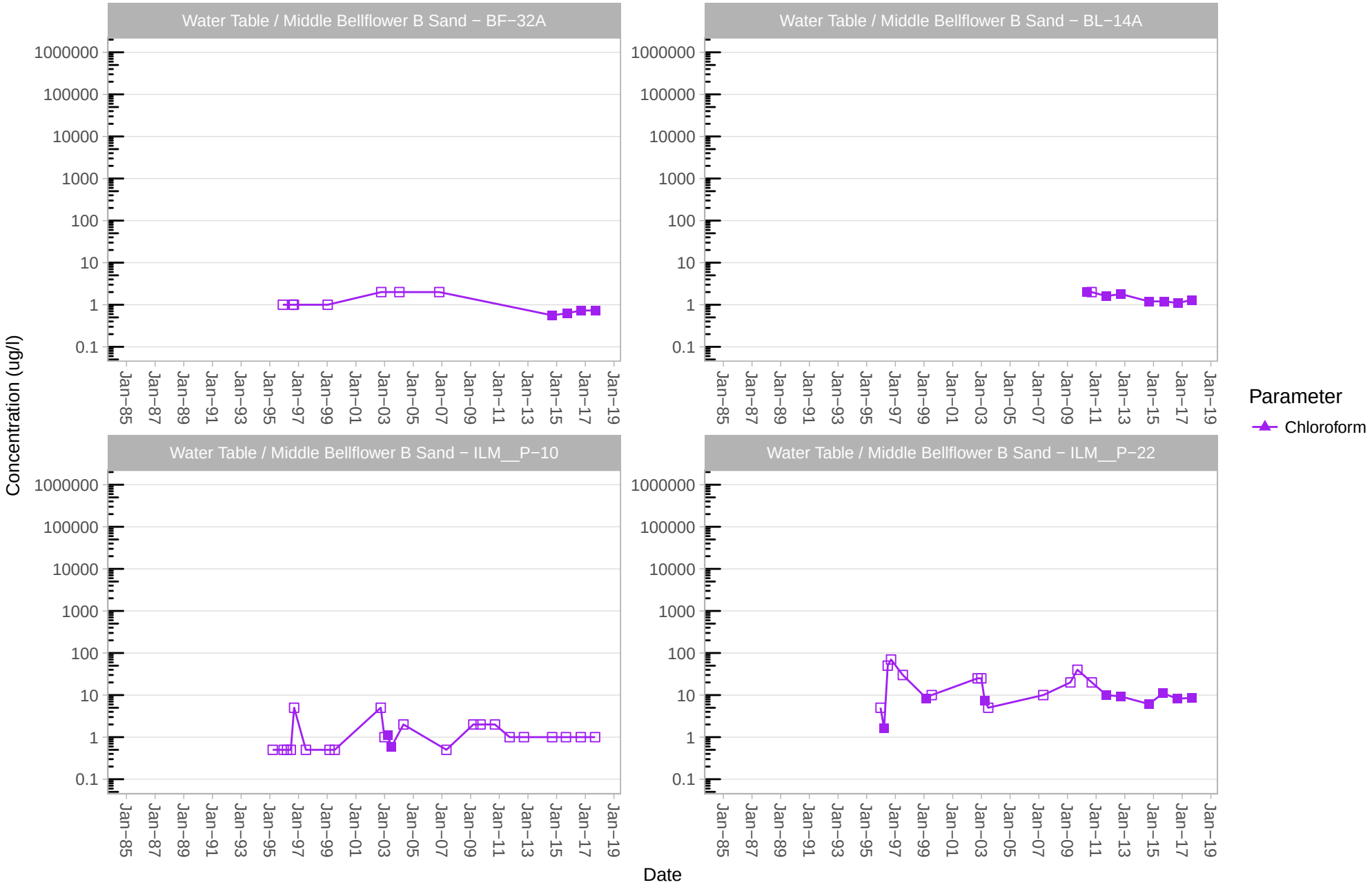
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 2 − Chloroform Time Series Plots

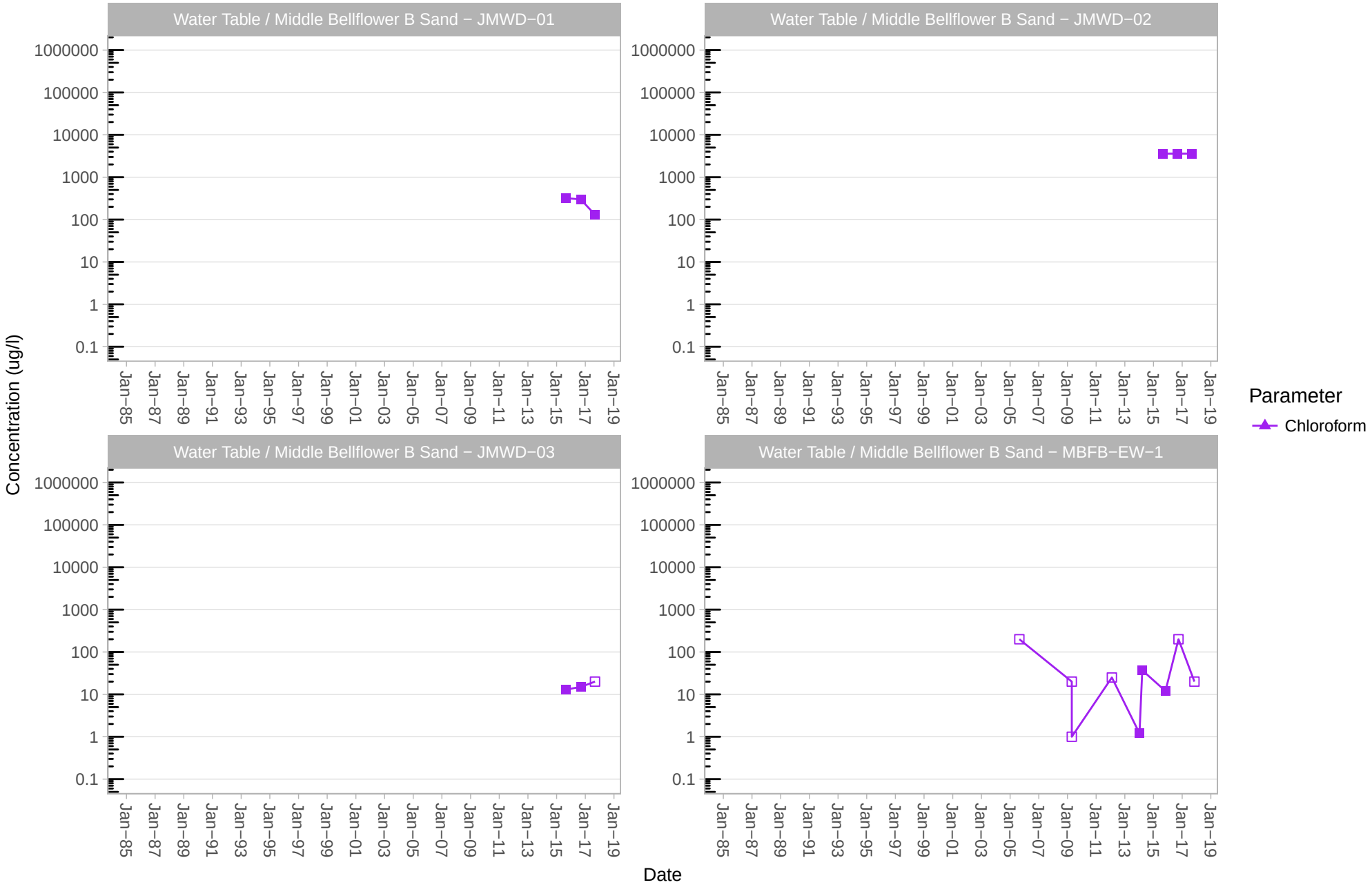
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 3 − Chloroform Time Series Plots

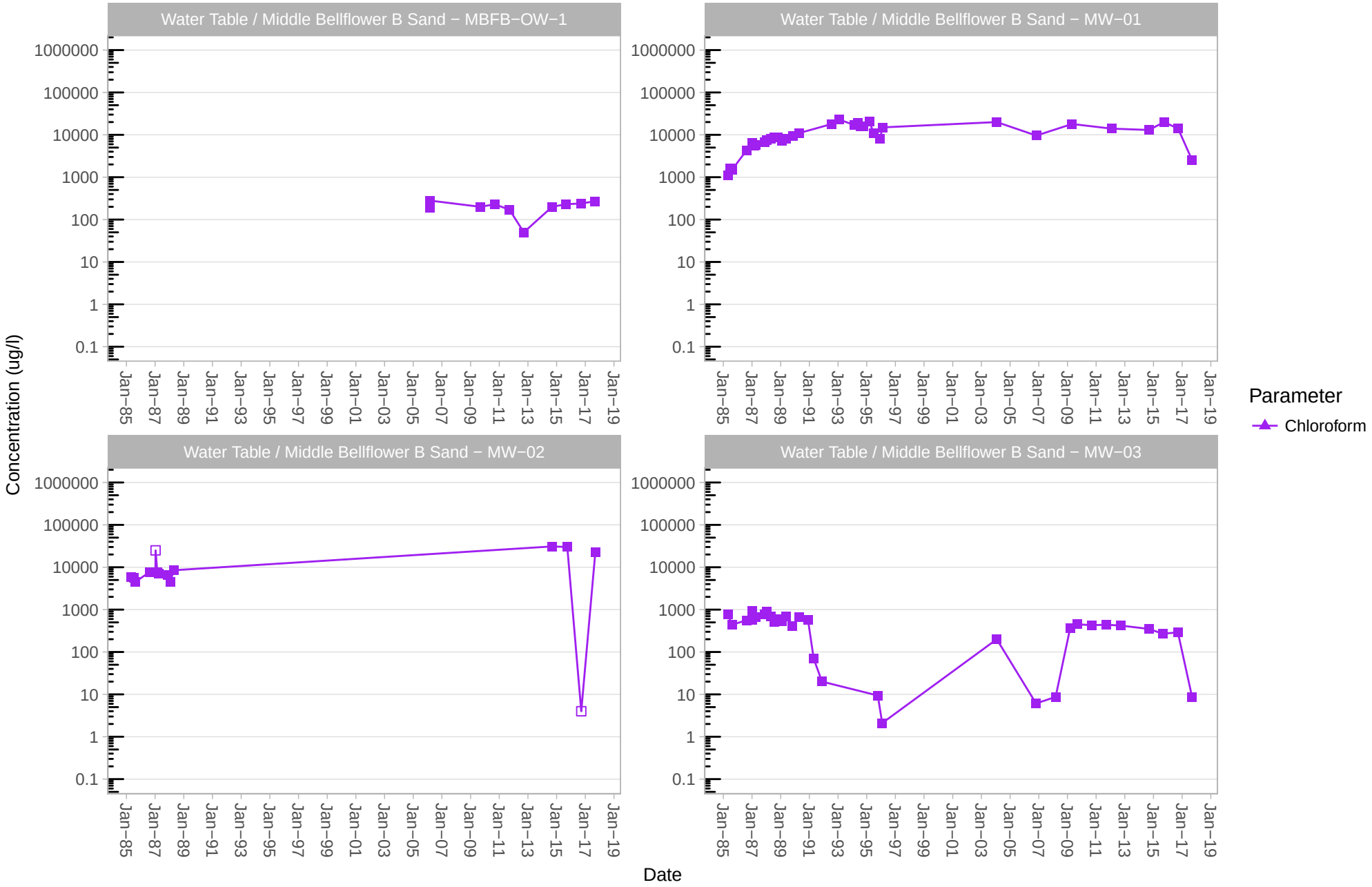
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 4 − Chloroform Time Series Plots

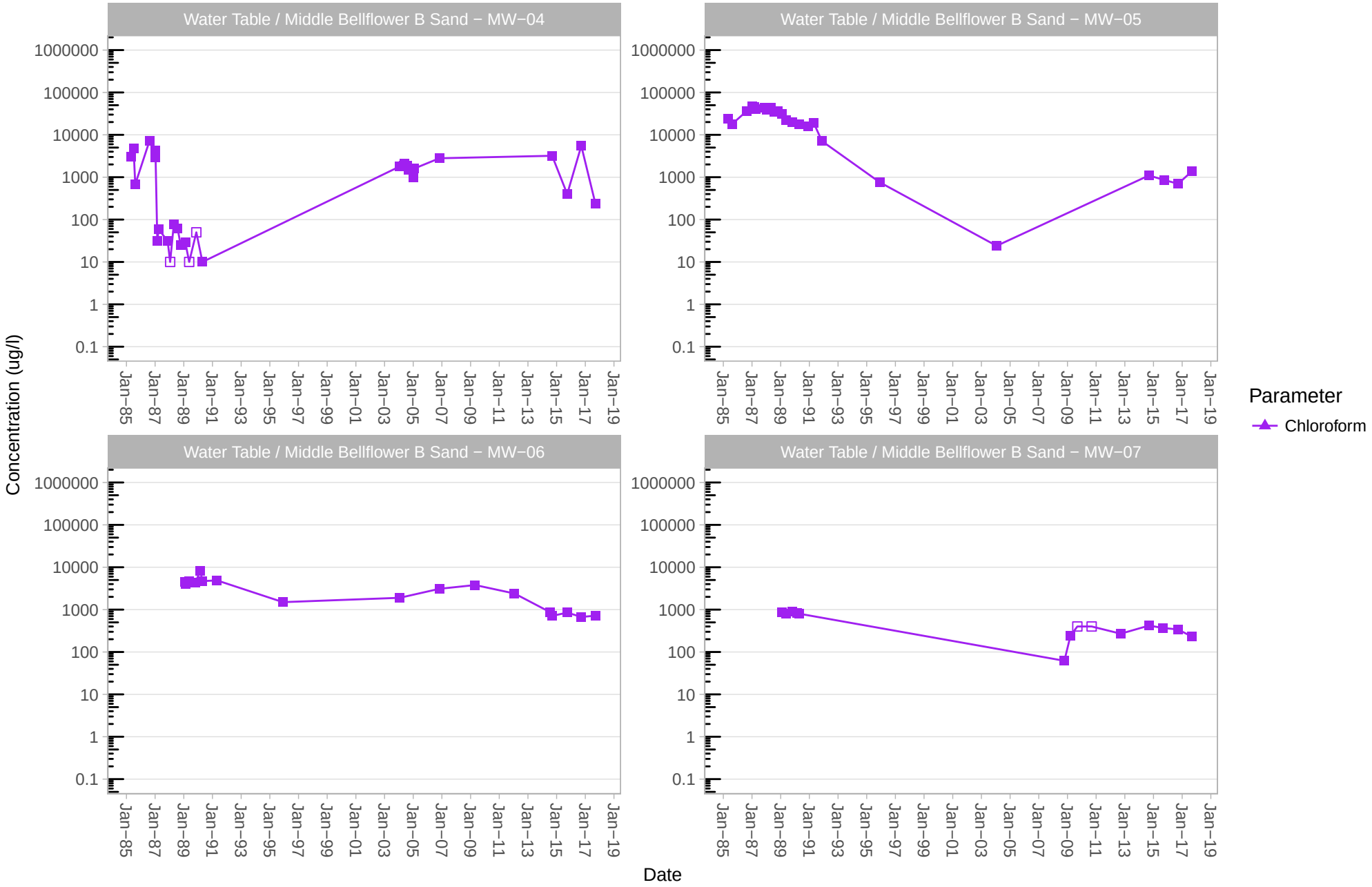
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 5 − Chloroform Time Series Plots

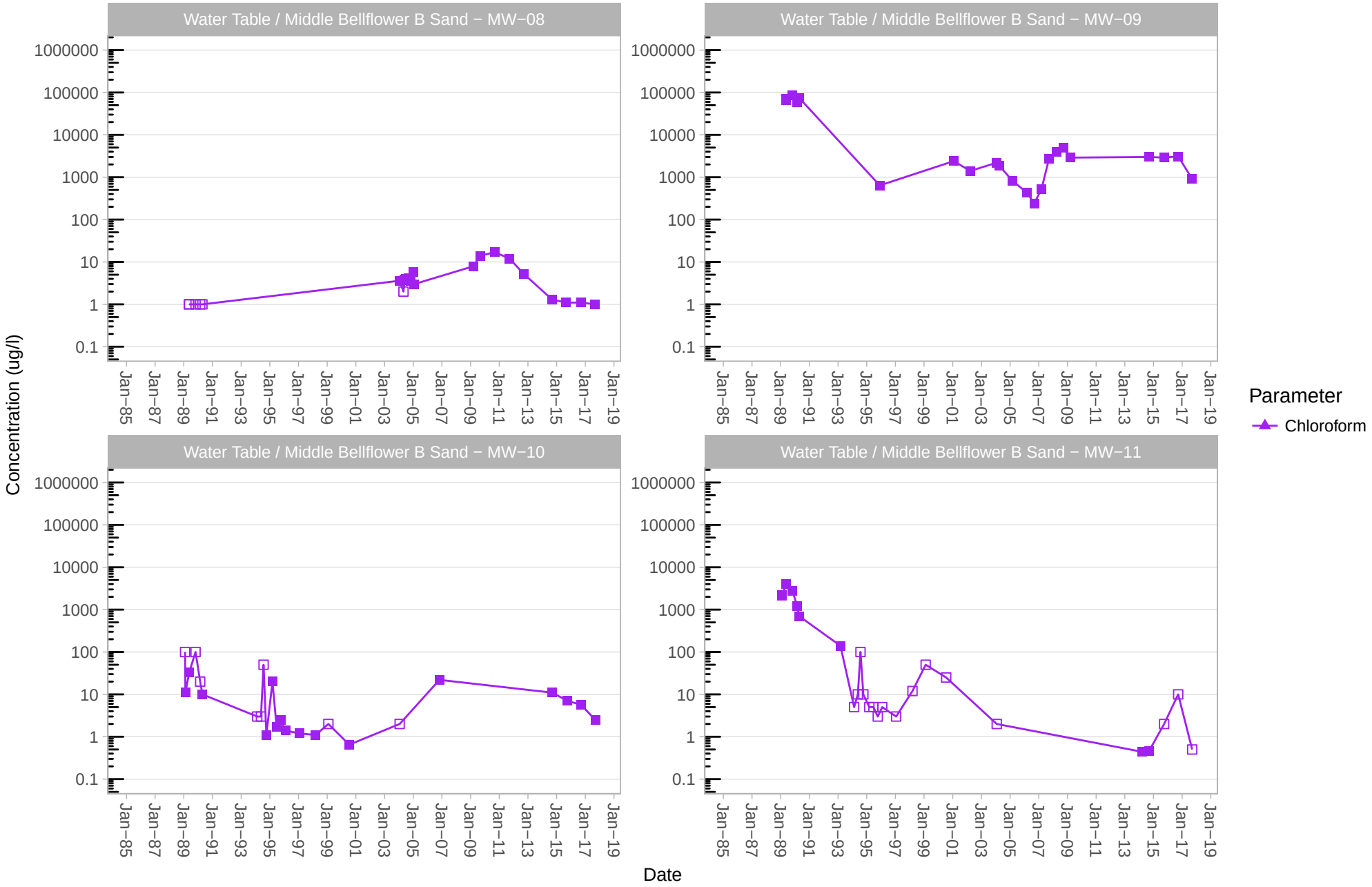
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 6 − Chloroform Time Series Plots

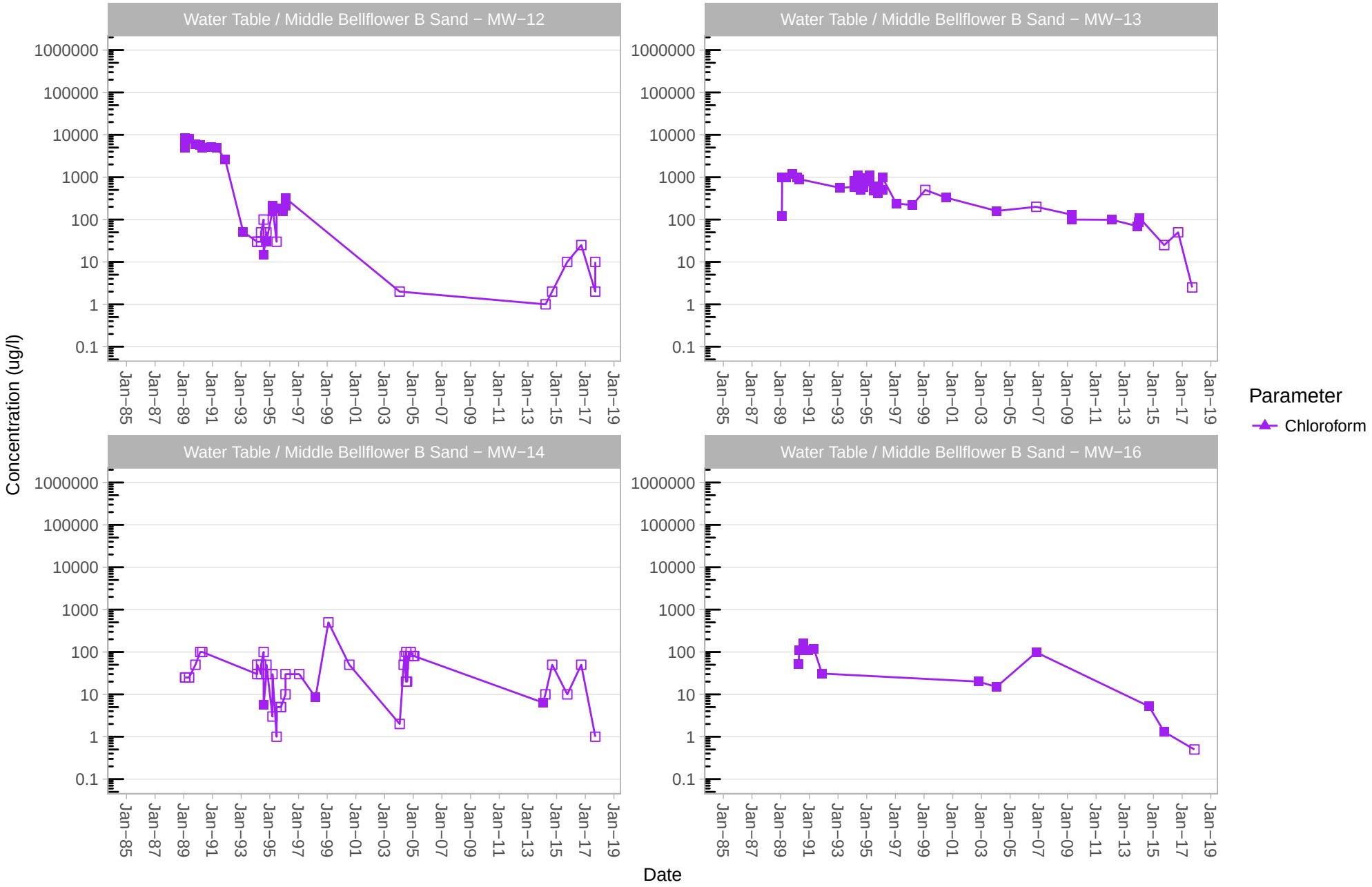
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 7 − Chloroform Time Series Plots

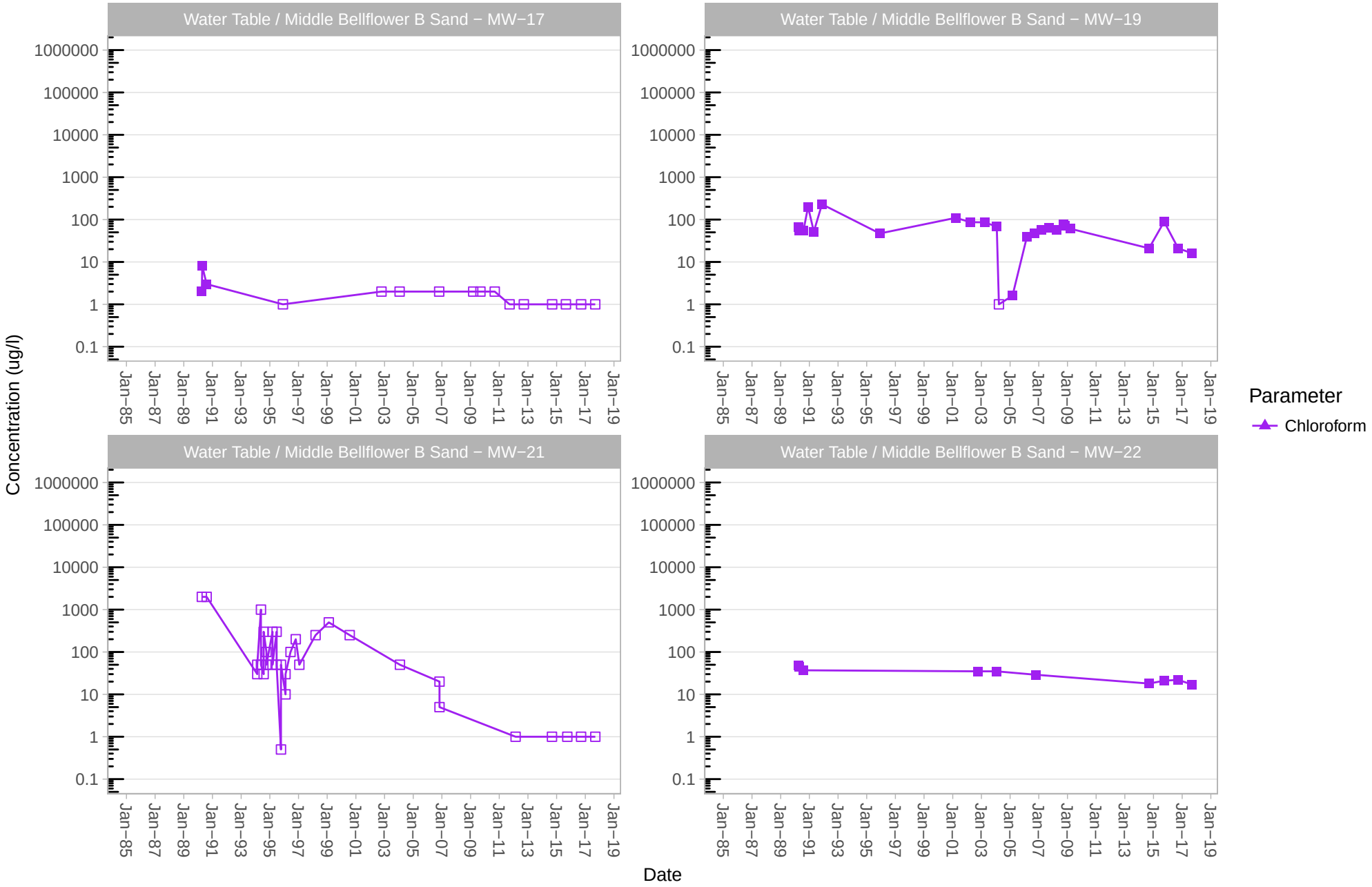
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 8 − Chloroform Time Series Plots

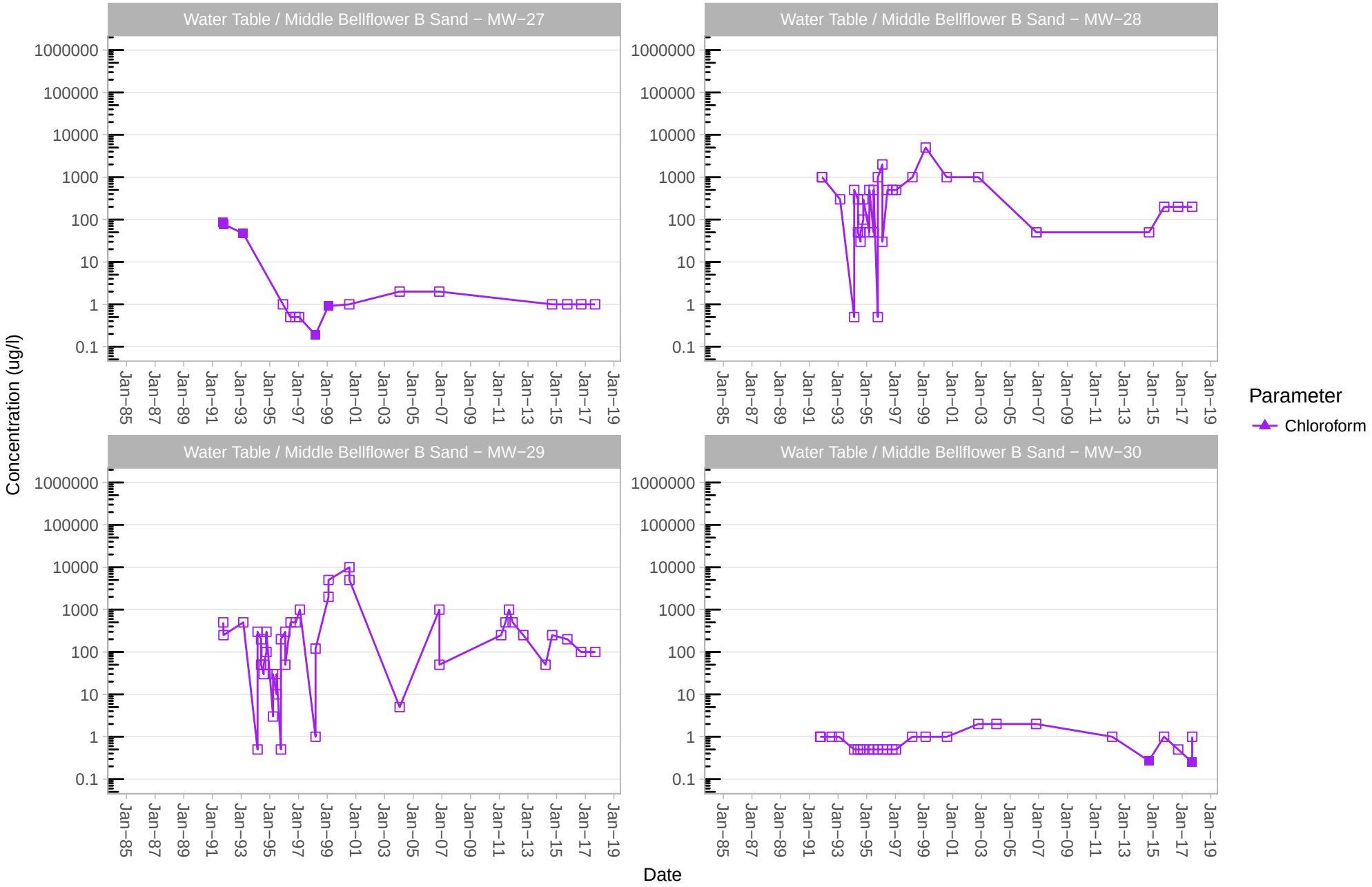
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 9 − Chloroform Time Series Plots

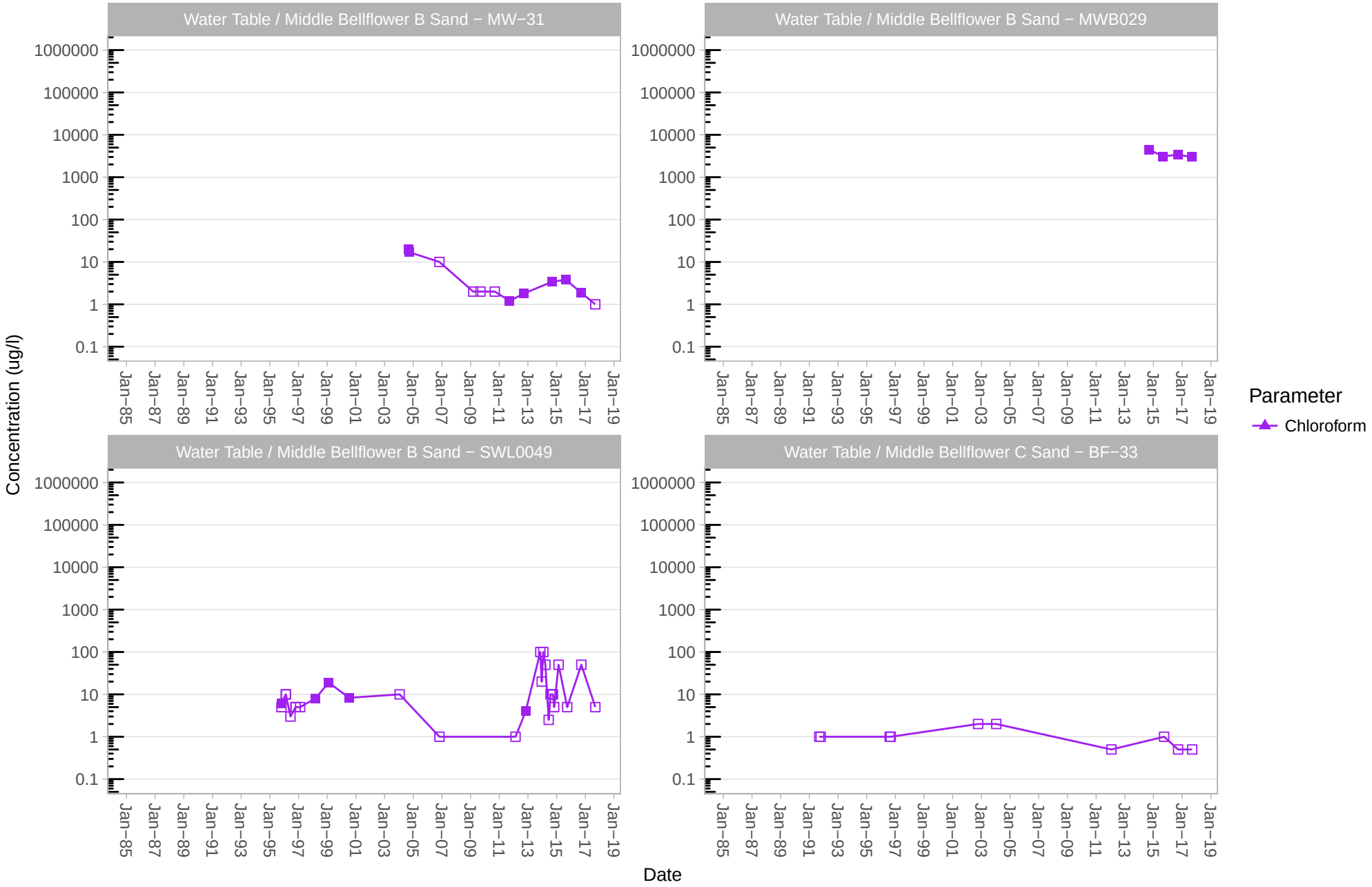
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 10 − Chloroform Time Series Plots

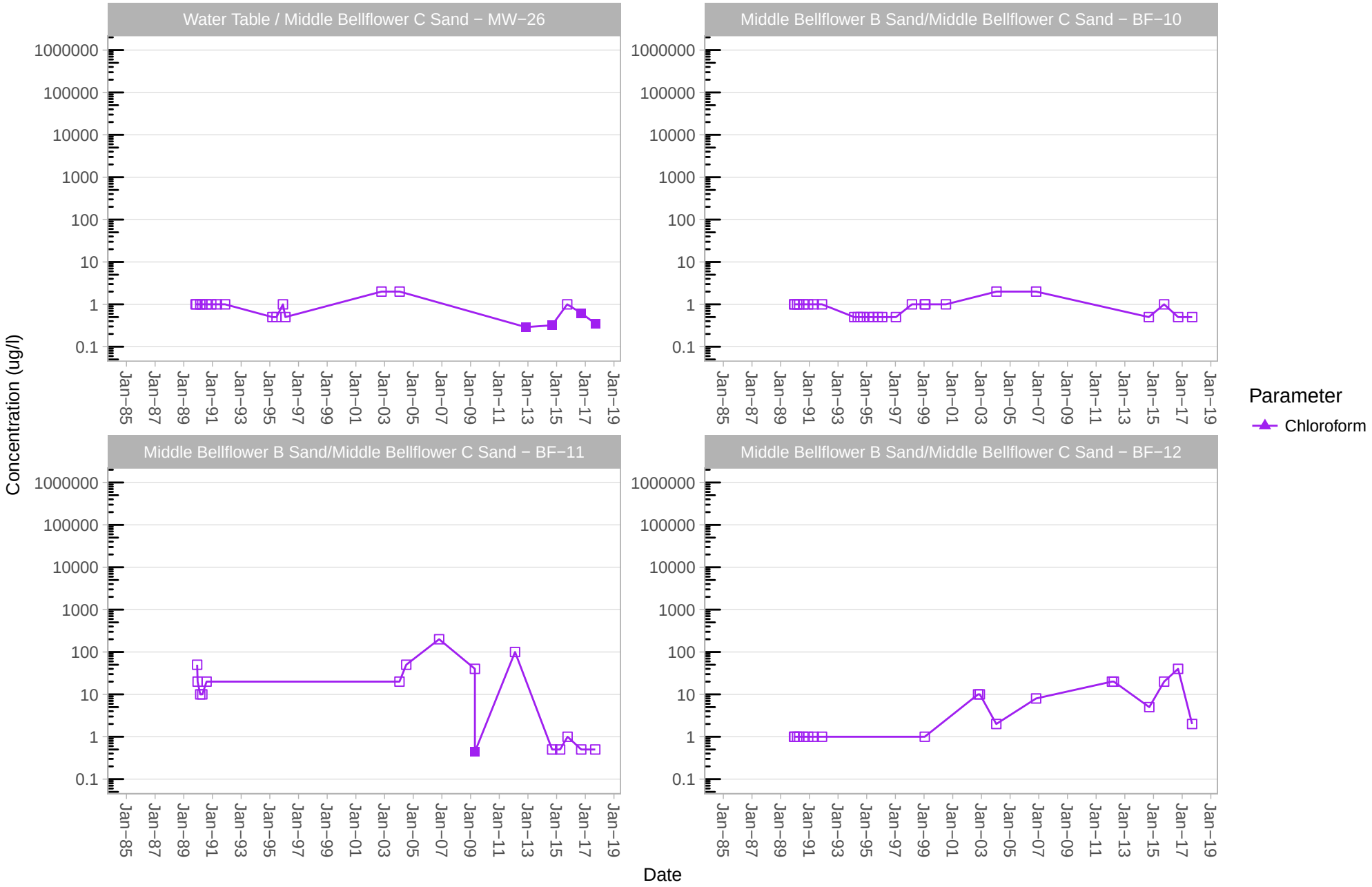
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 11 − Chloroform Time Series Plots

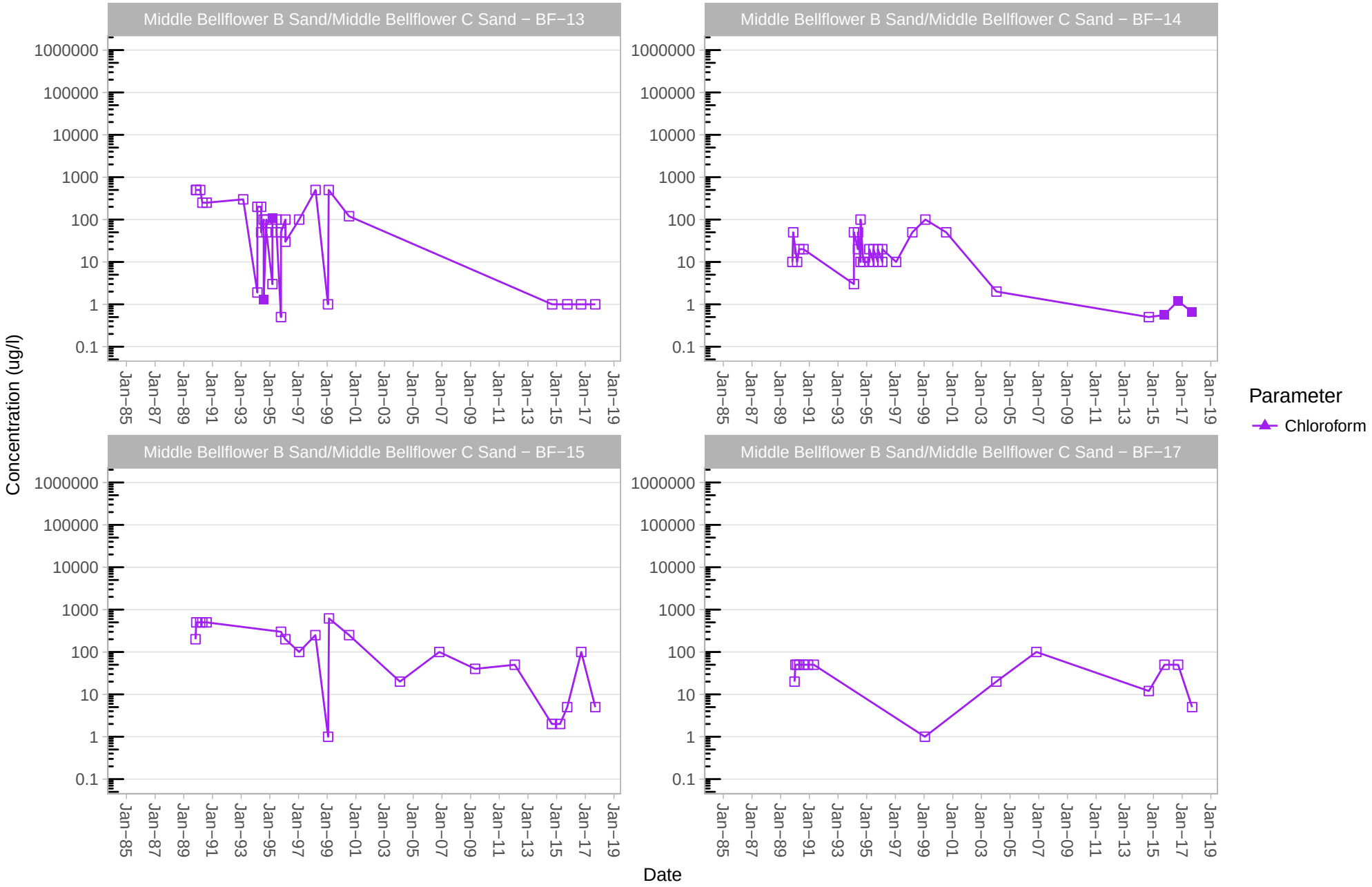
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 12 − Chloroform Time Series Plots

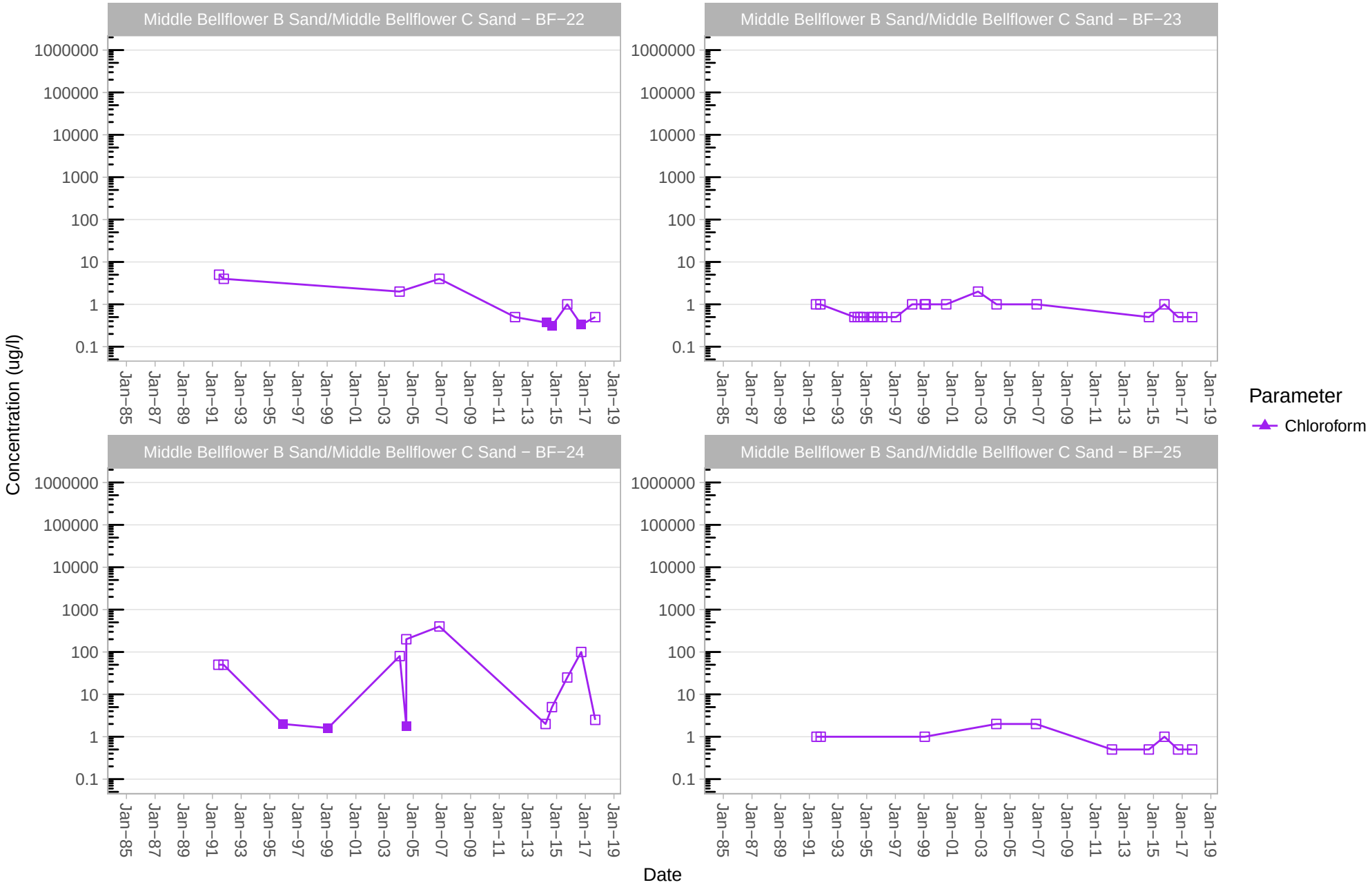
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 13 − Chloroform Time Series Plots

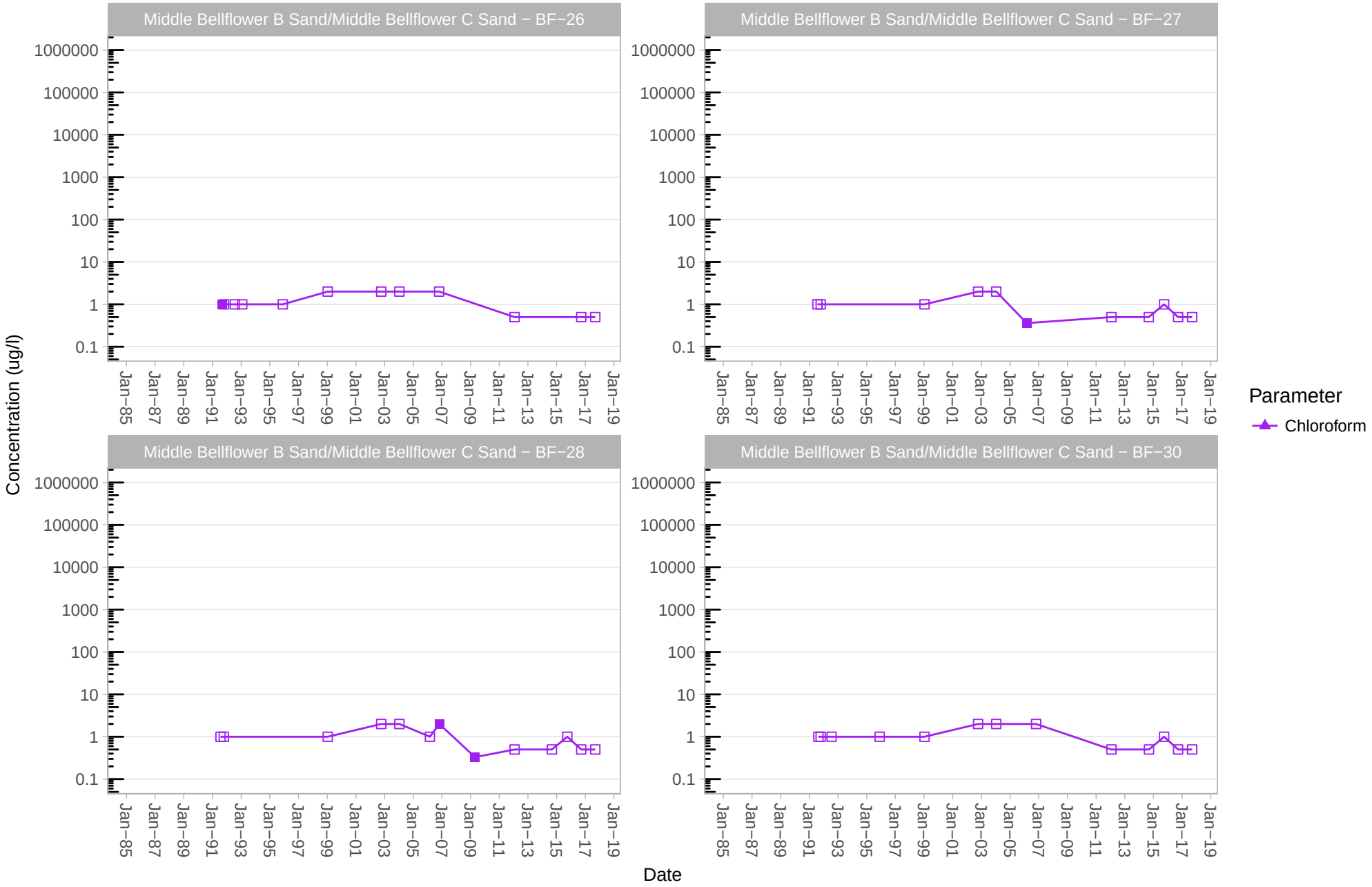
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 14 − Chloroform Time Series Plots

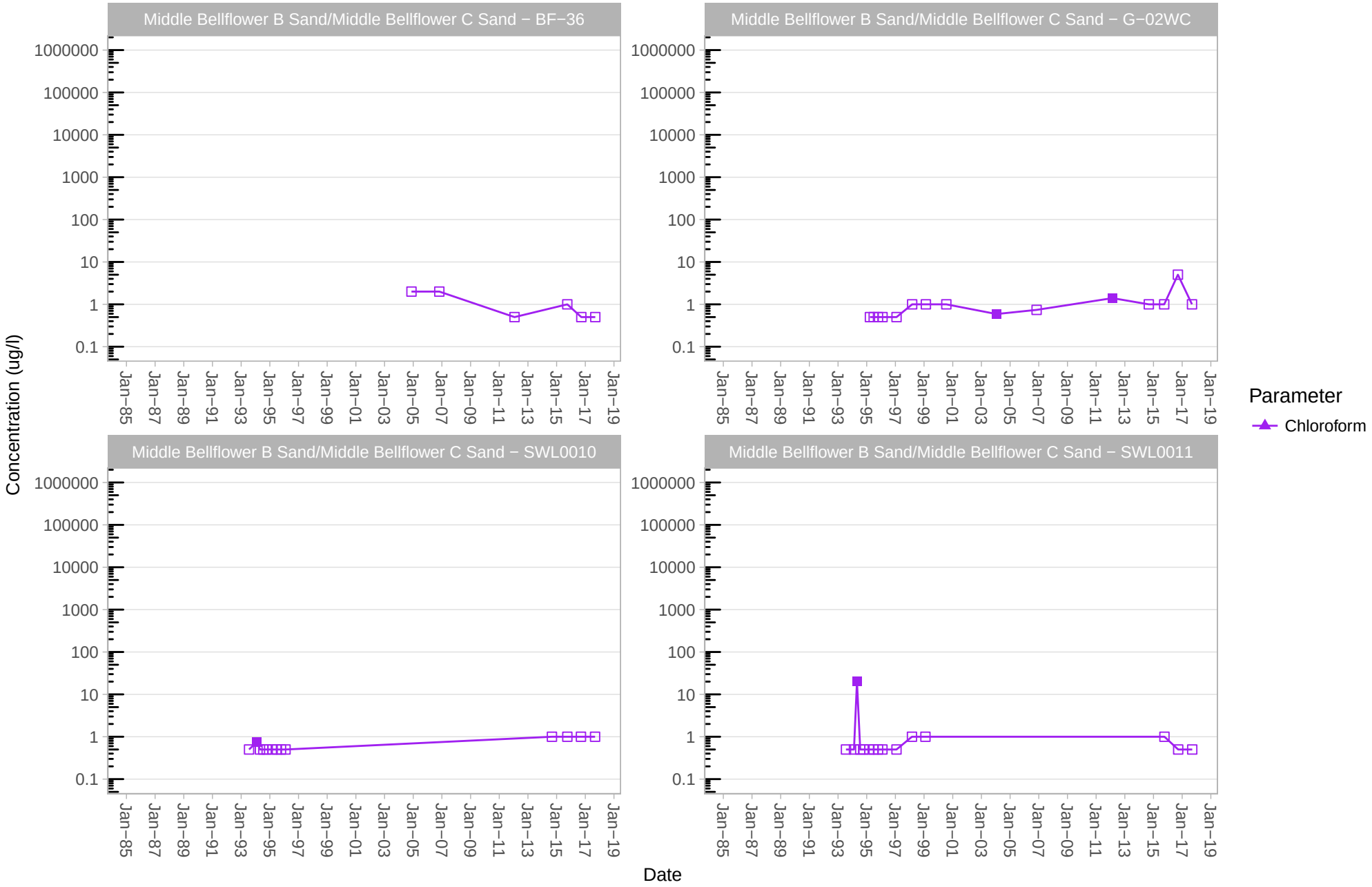
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 15 − Chloroform Time Series Plots

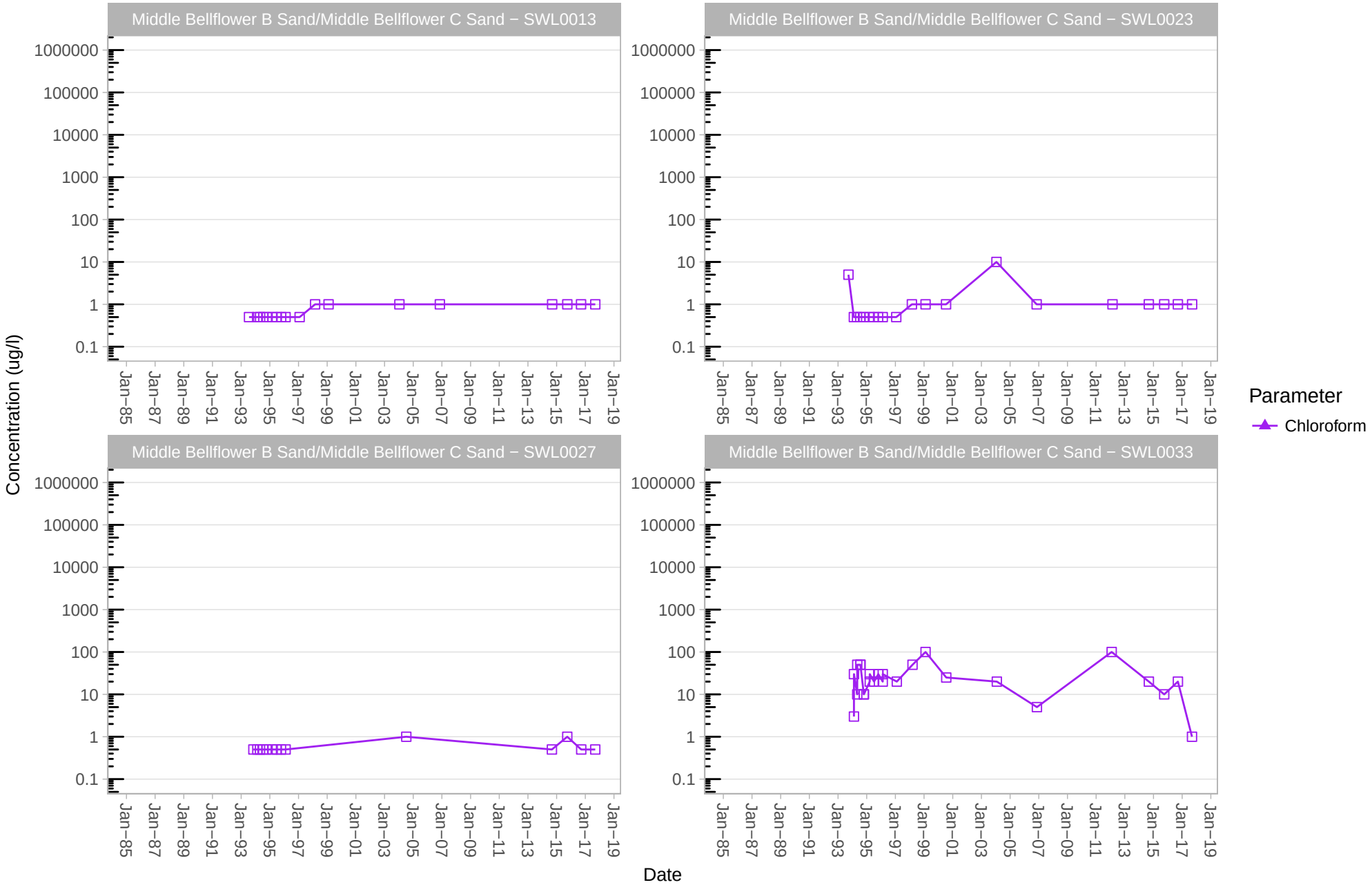
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 16 − Chloroform Time Series Plots

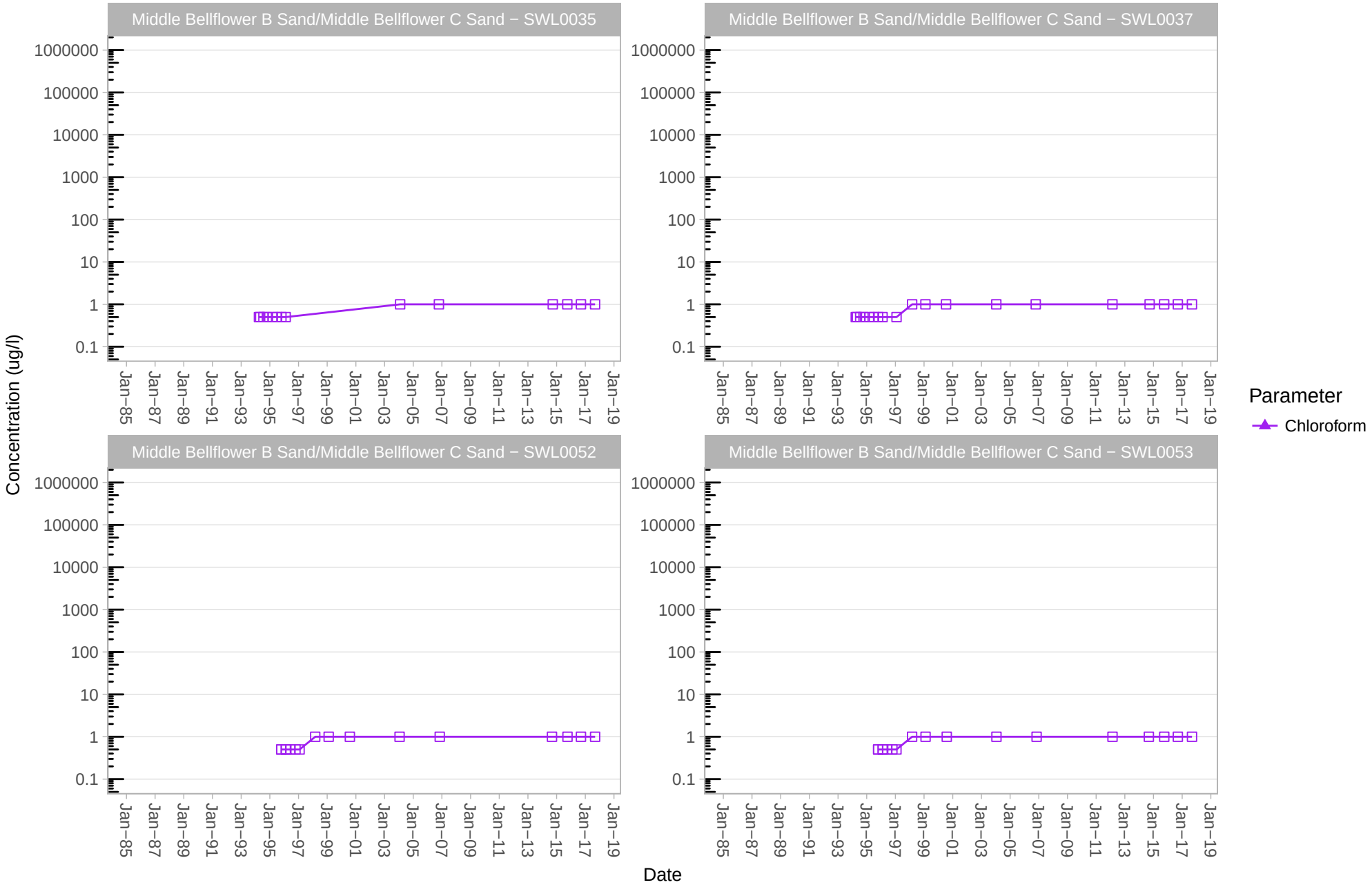
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 17 − Chloroform Time Series Plots

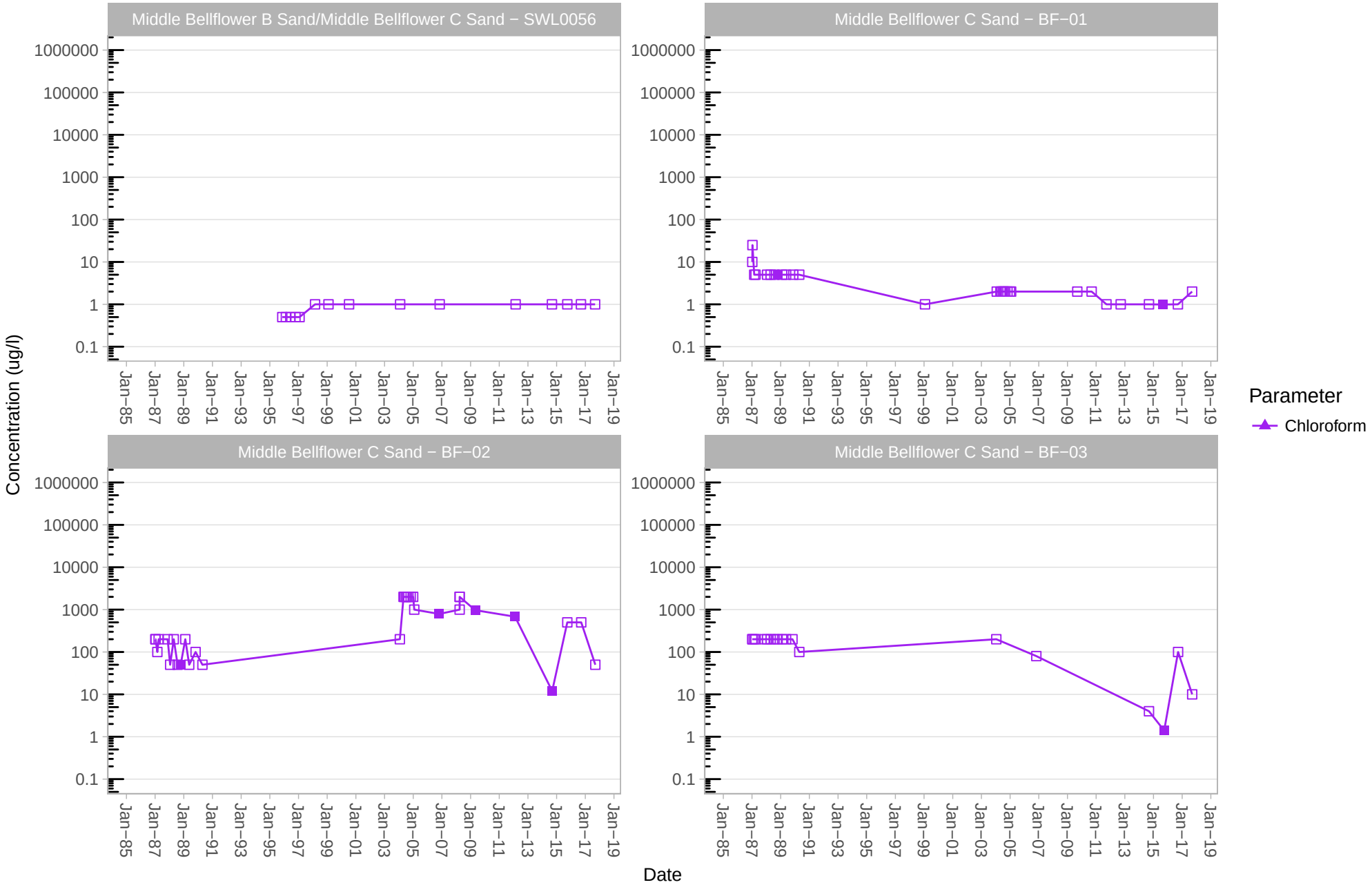
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 18 − Chloroform Time Series Plots

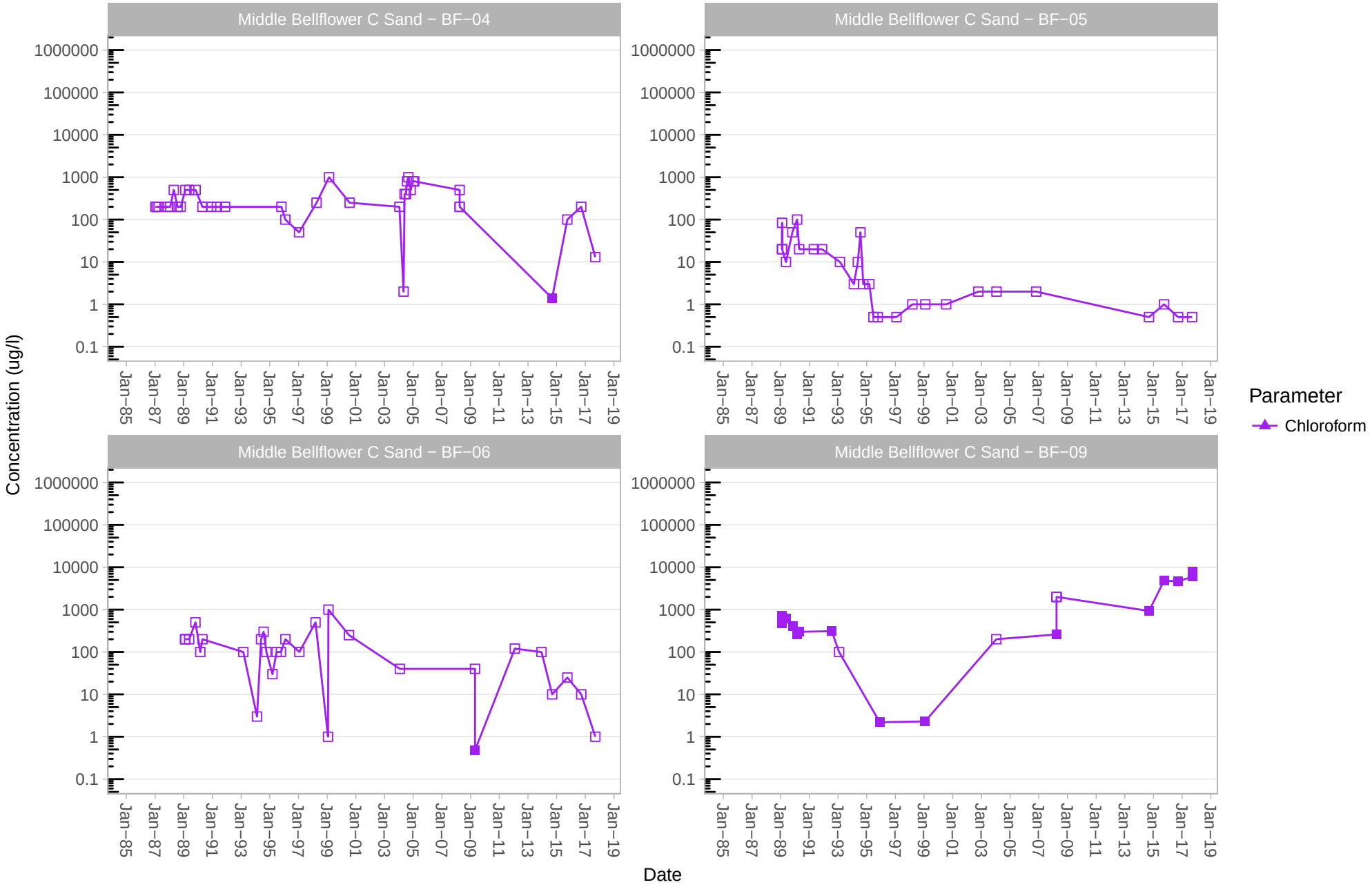
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 19 − Chloroform Time Series Plots

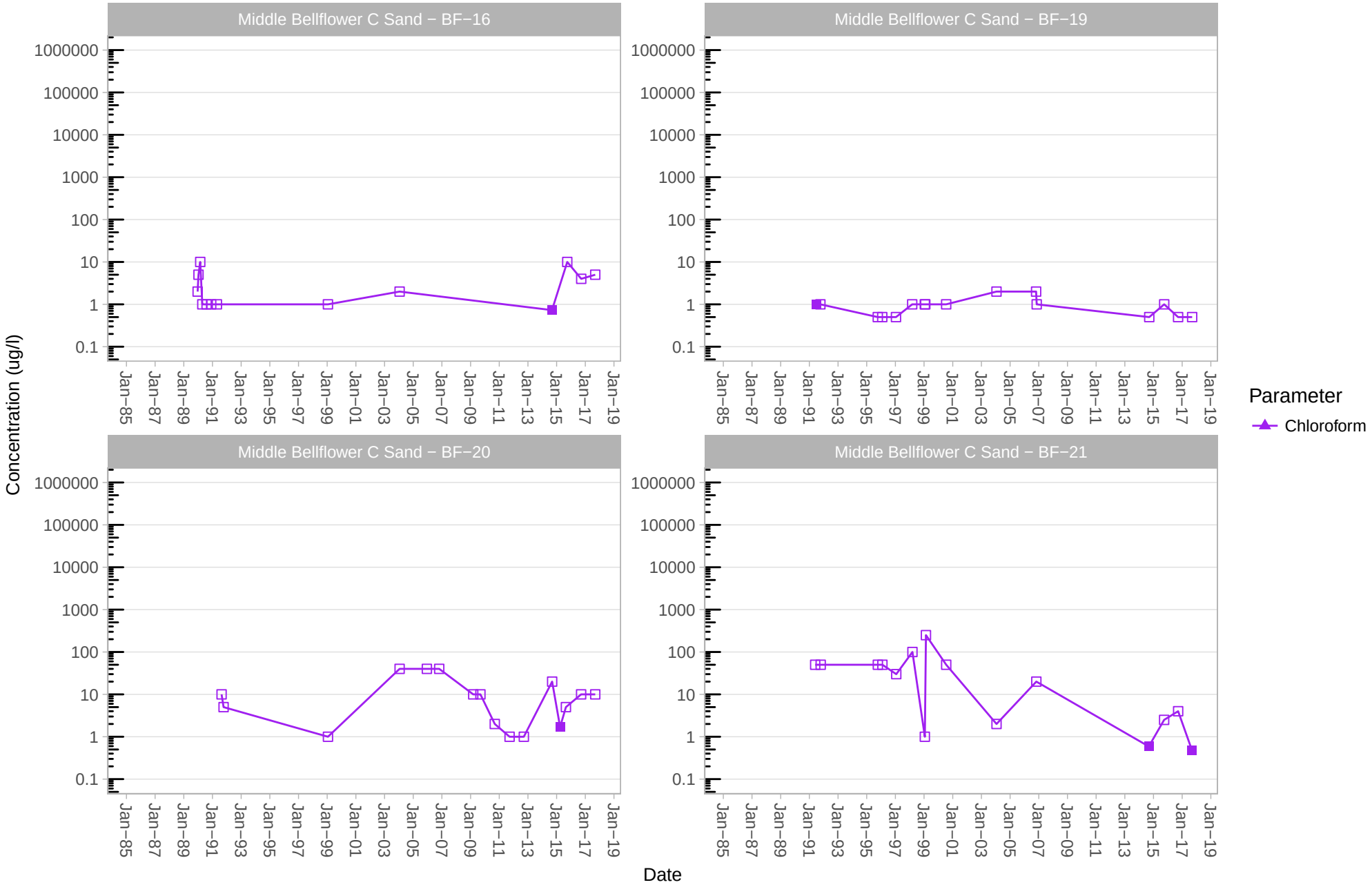
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 20 − Chloroform Time Series Plots

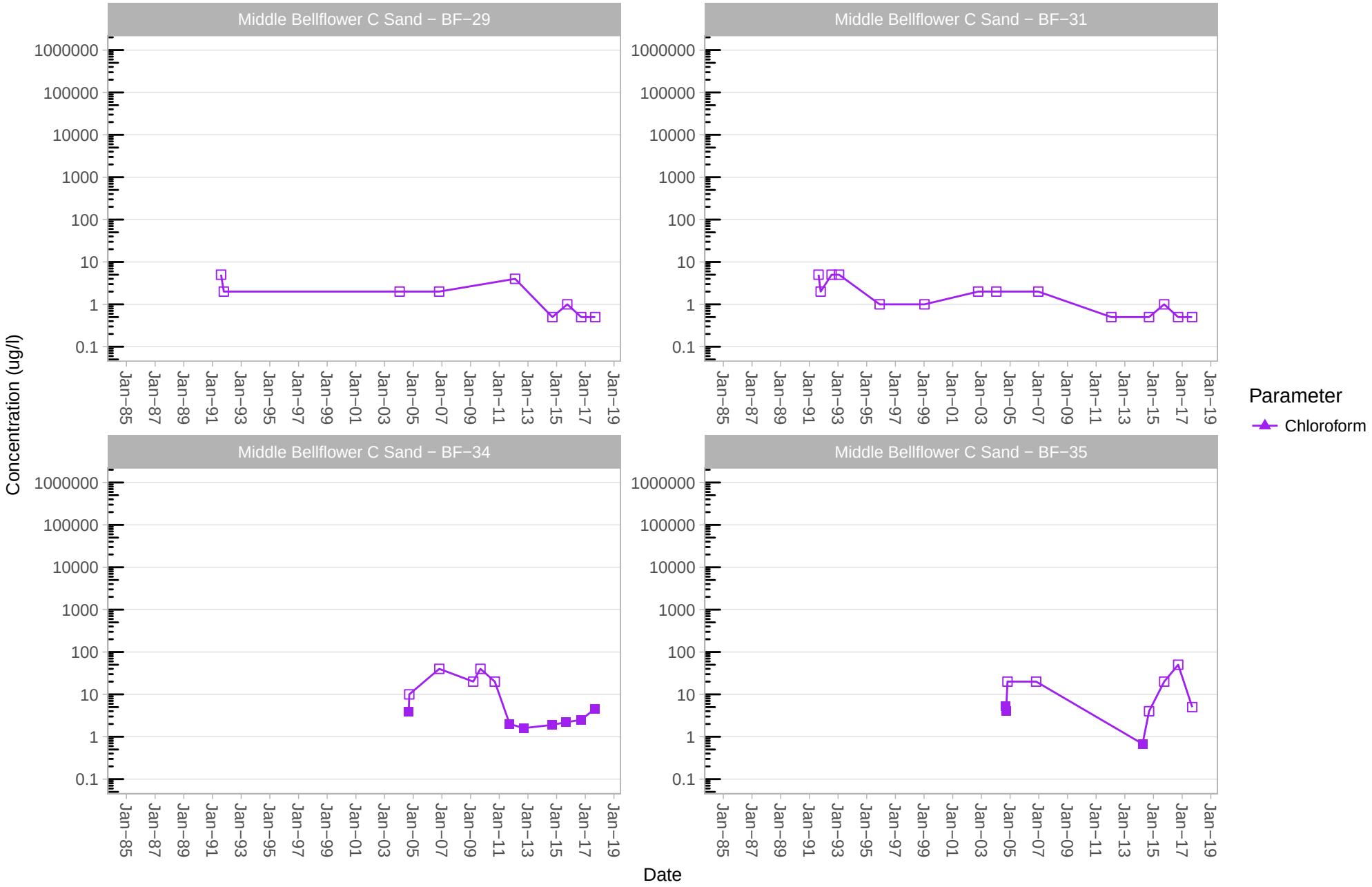
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 21 − Chloroform Time Series Plots

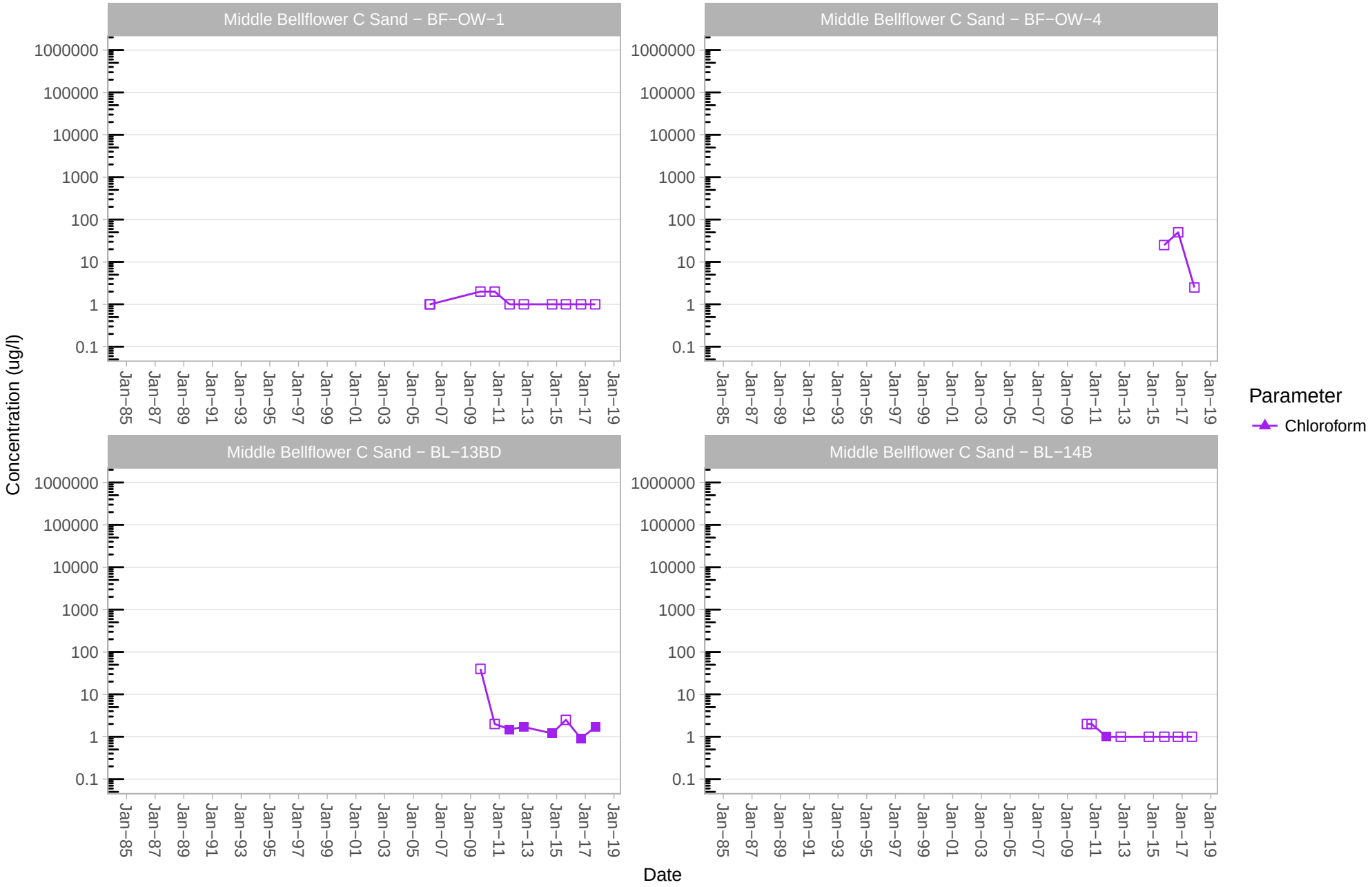
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 22 − Chloroform Time Series Plots

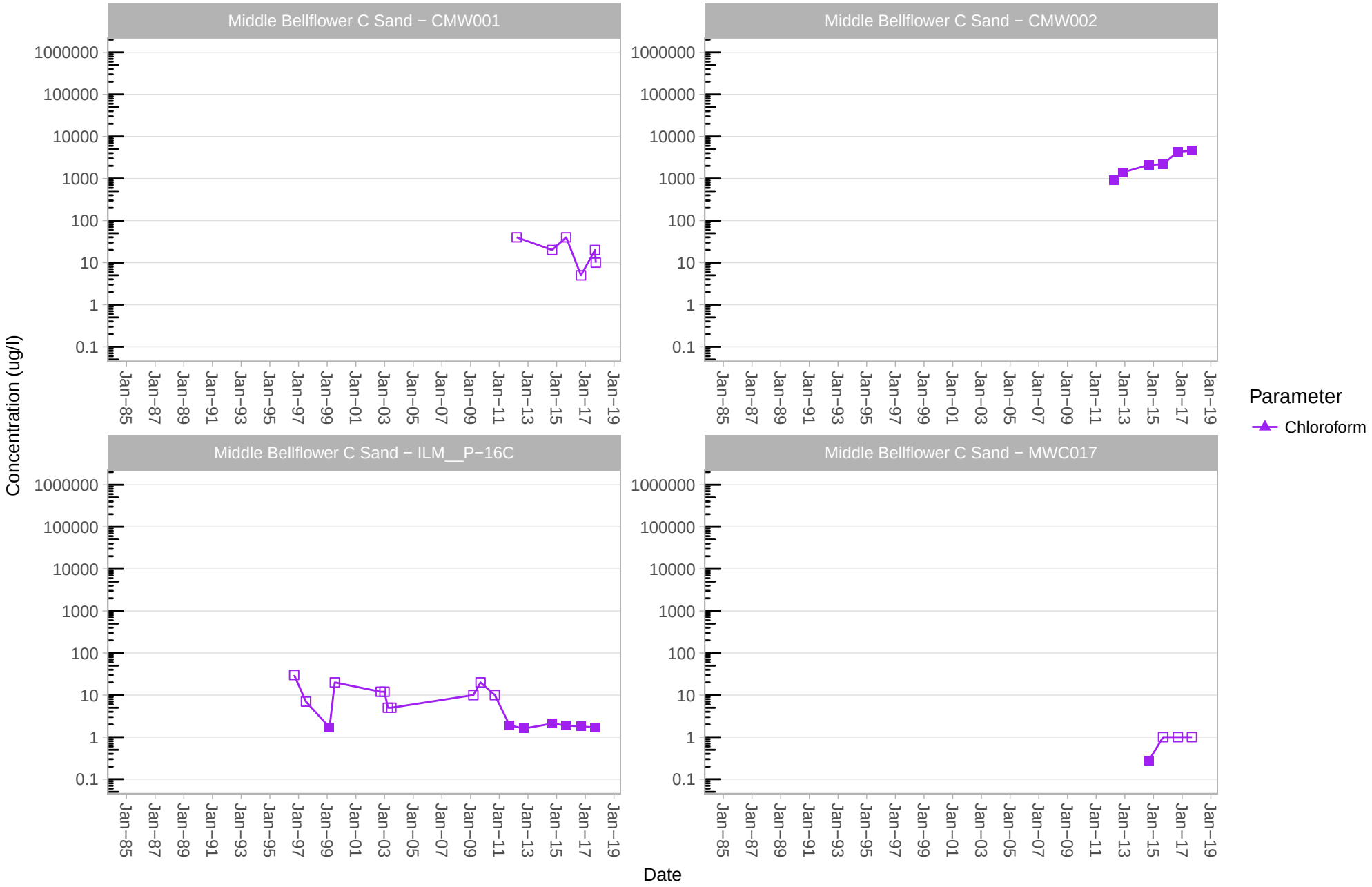
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 23 − Chloroform Time Series Plots

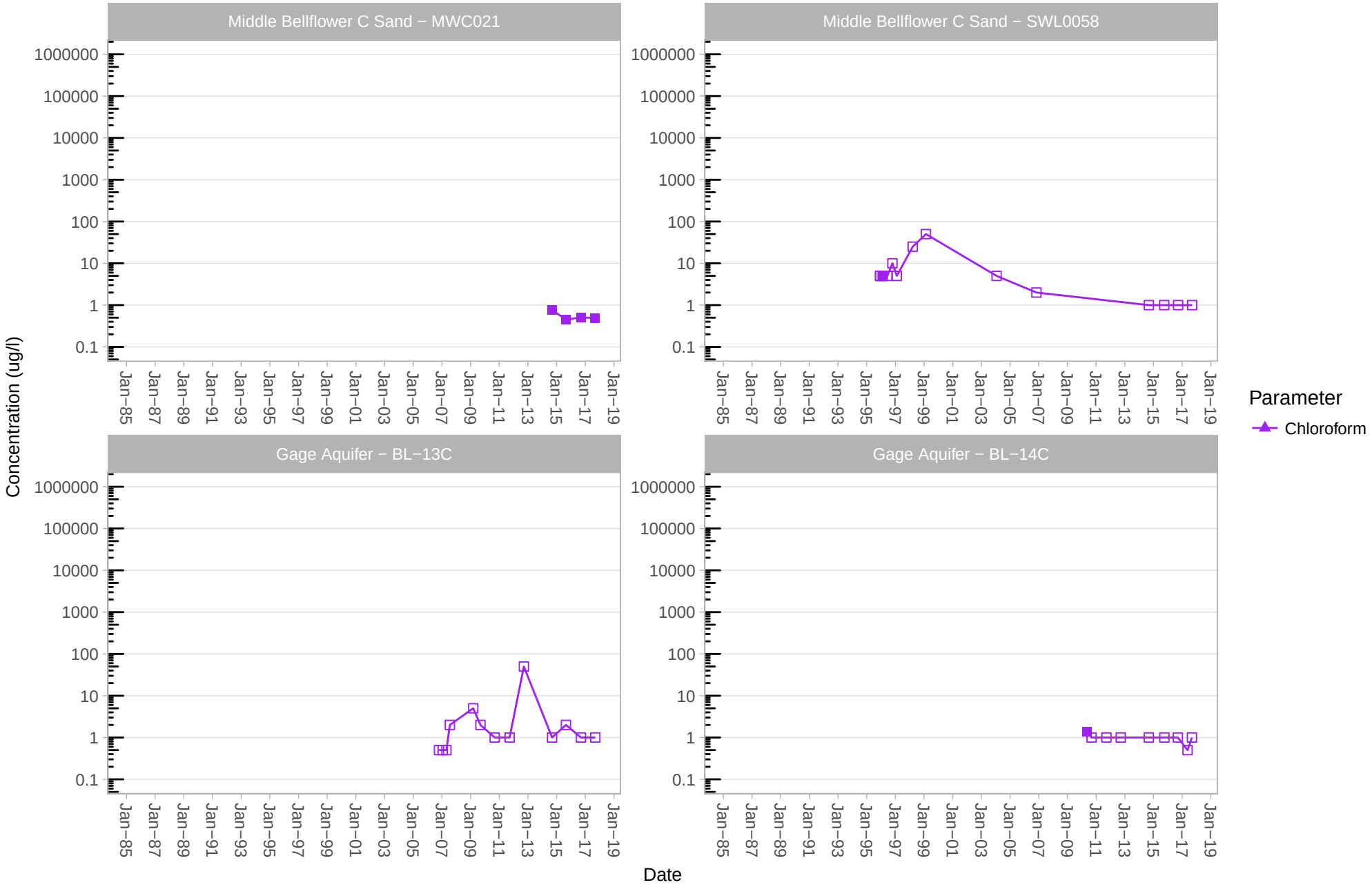
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 24 − Chloroform Time Series Plots

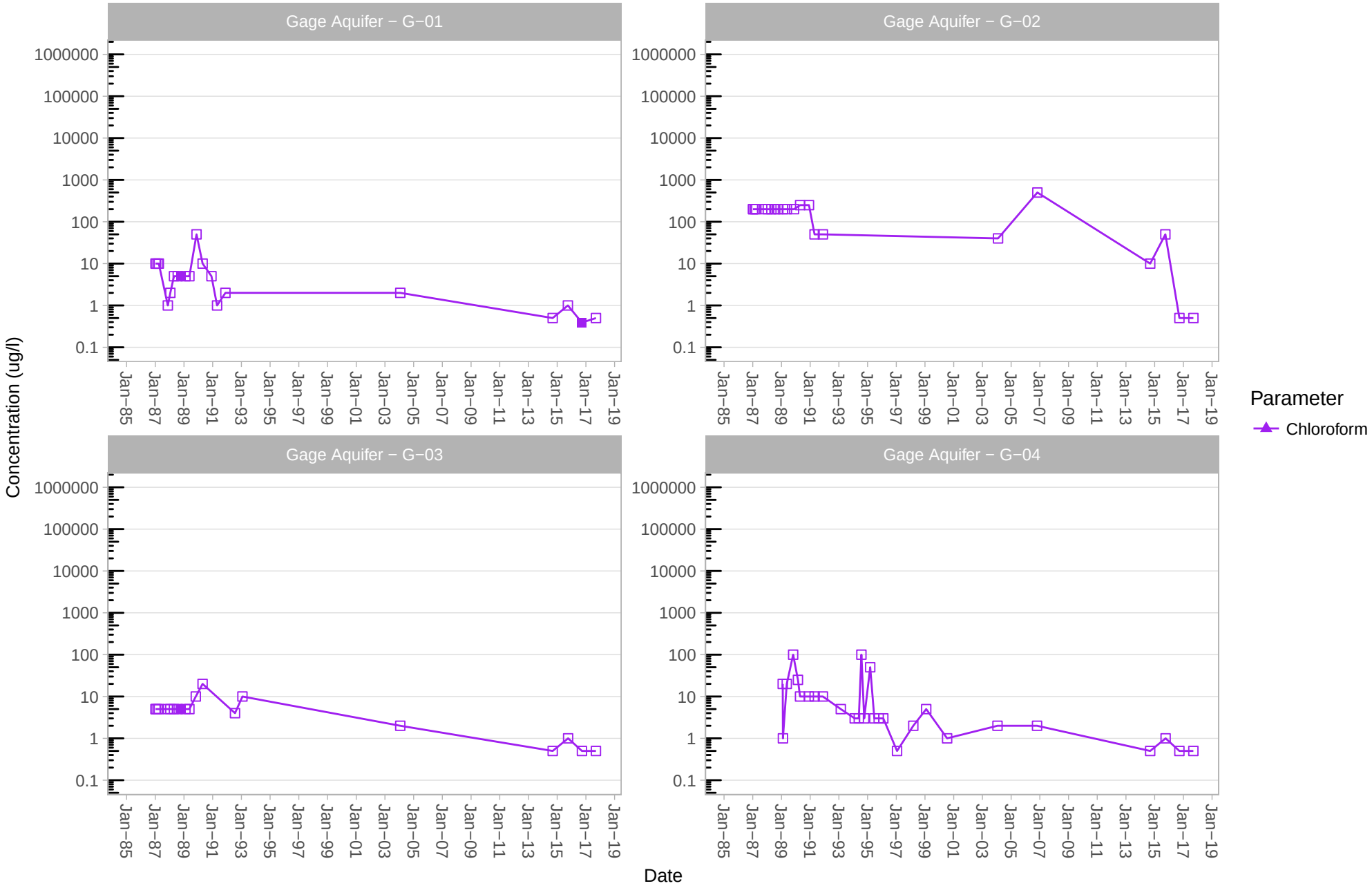
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 25 − Chloroform Time Series Plots

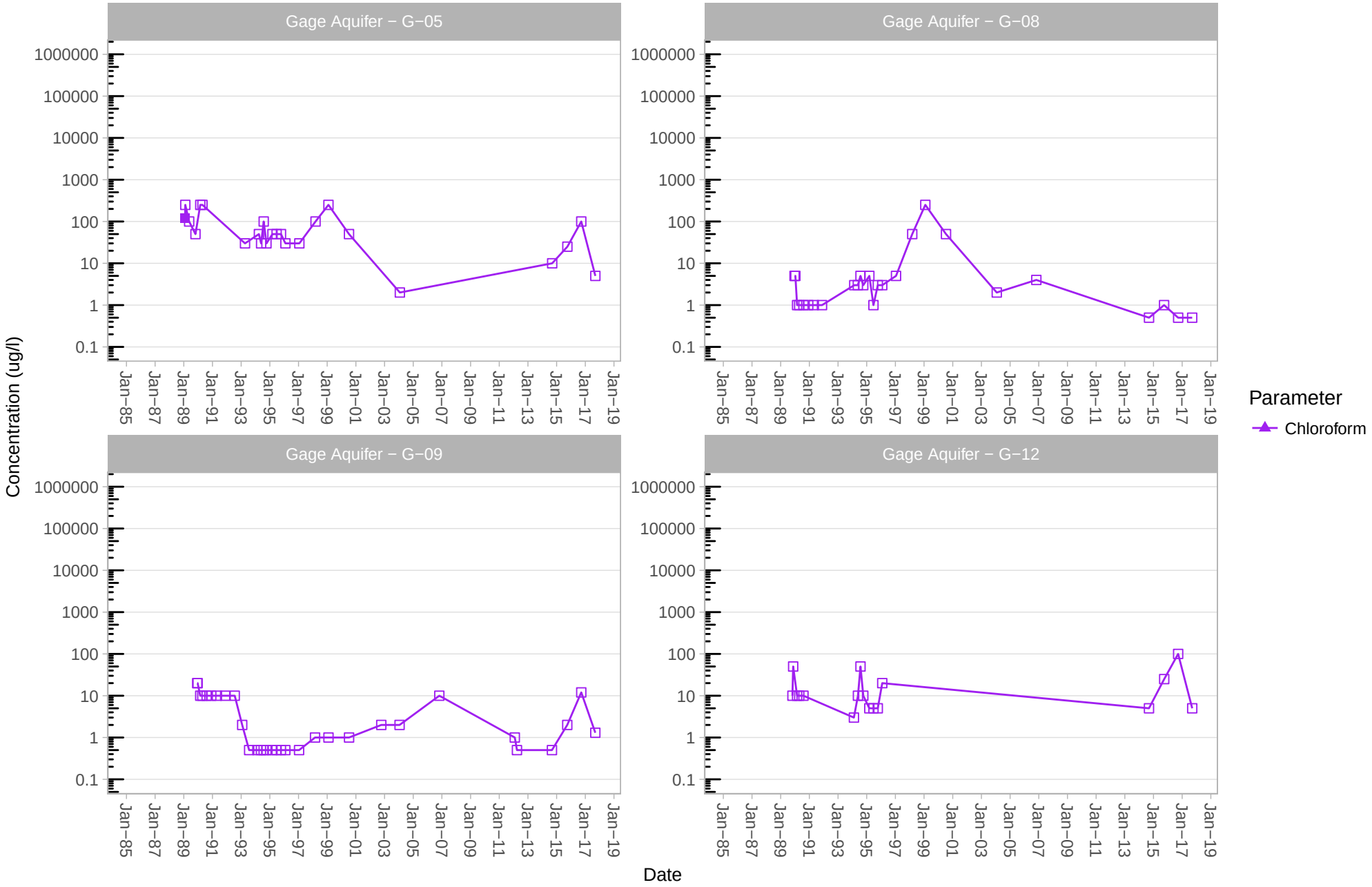
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 26 − Chloroform Time Series Plots

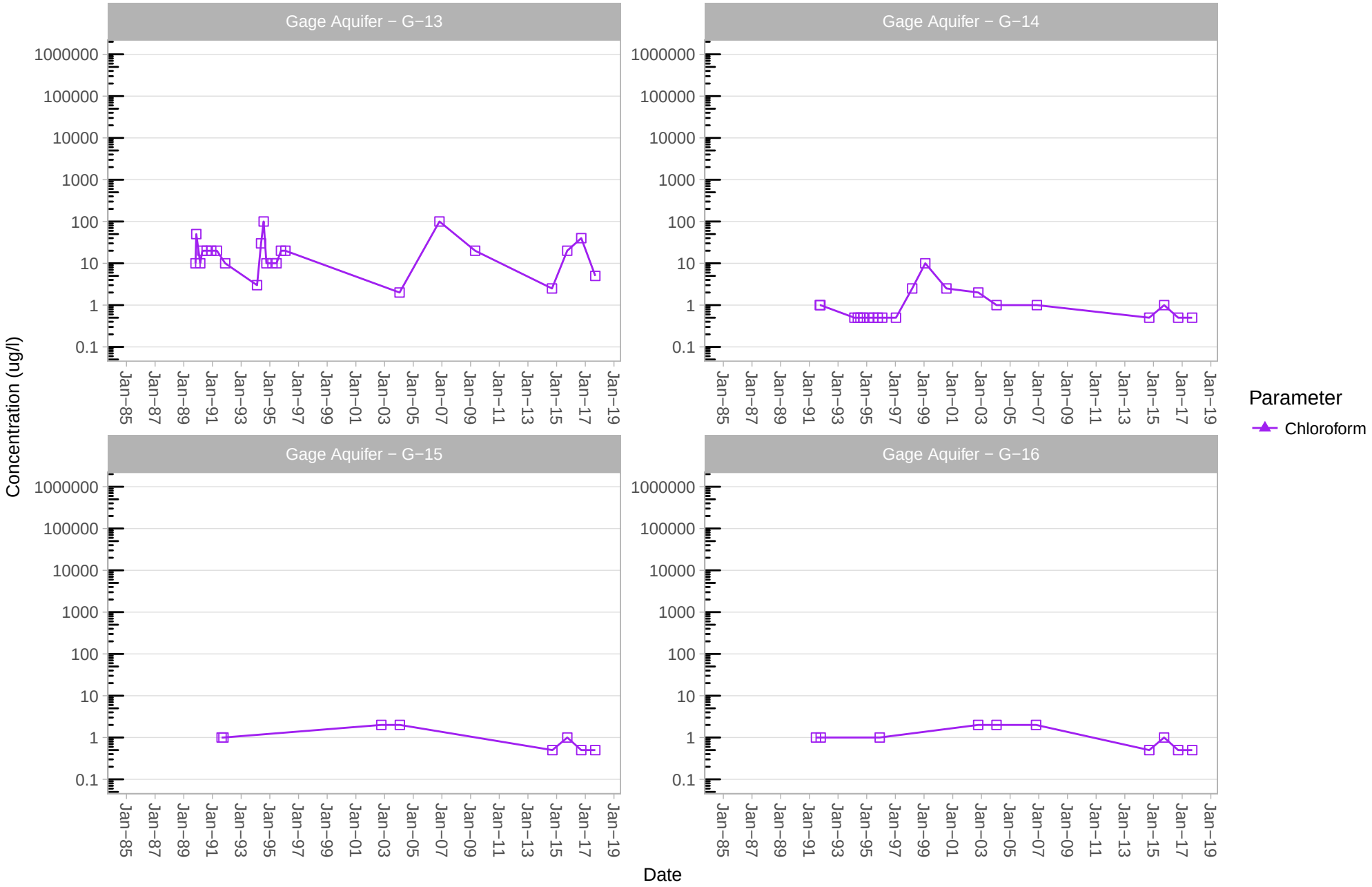
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 27 − Chloroform Time Series Plots

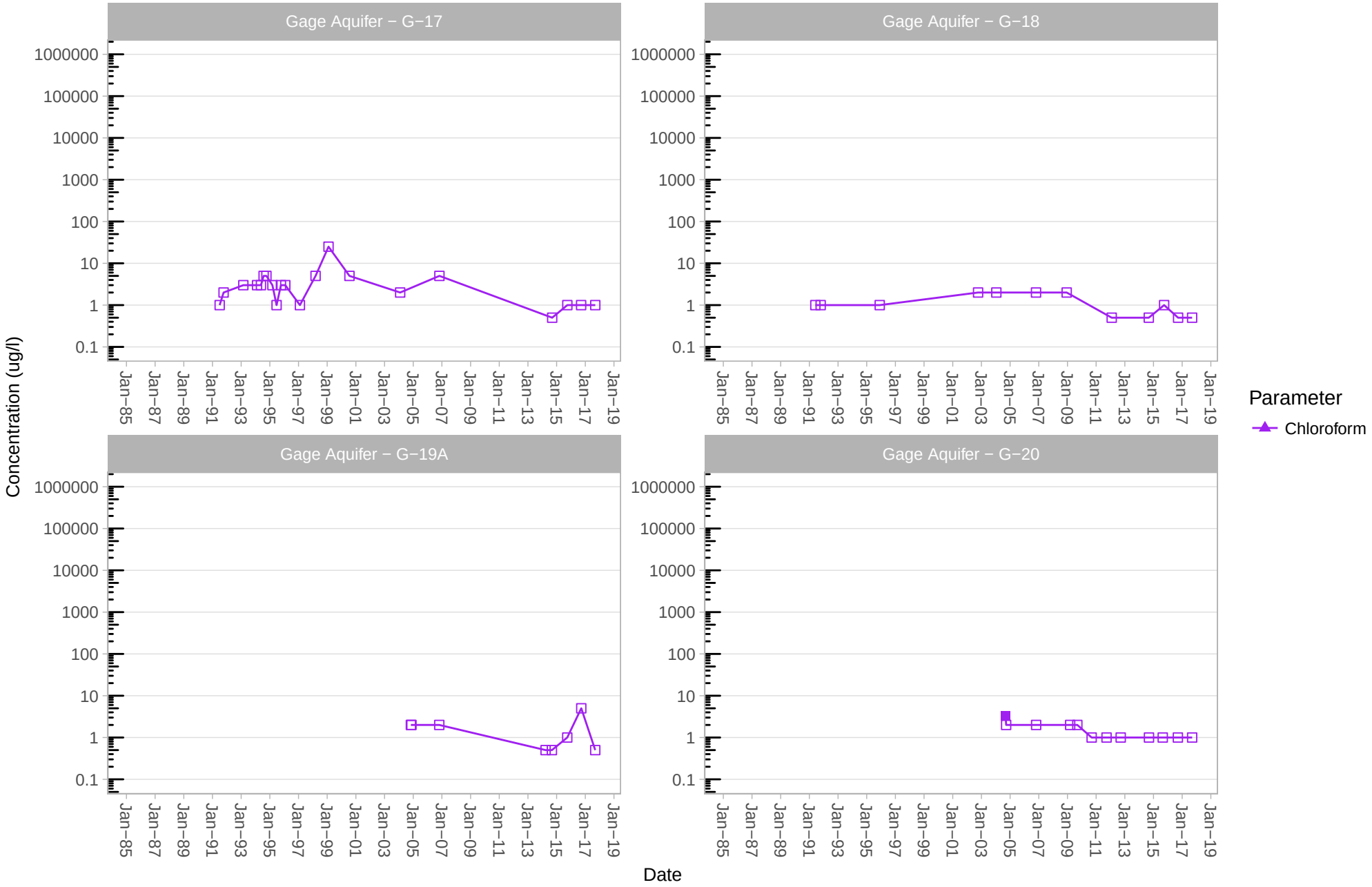
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 28 − Chloroform Time Series Plots

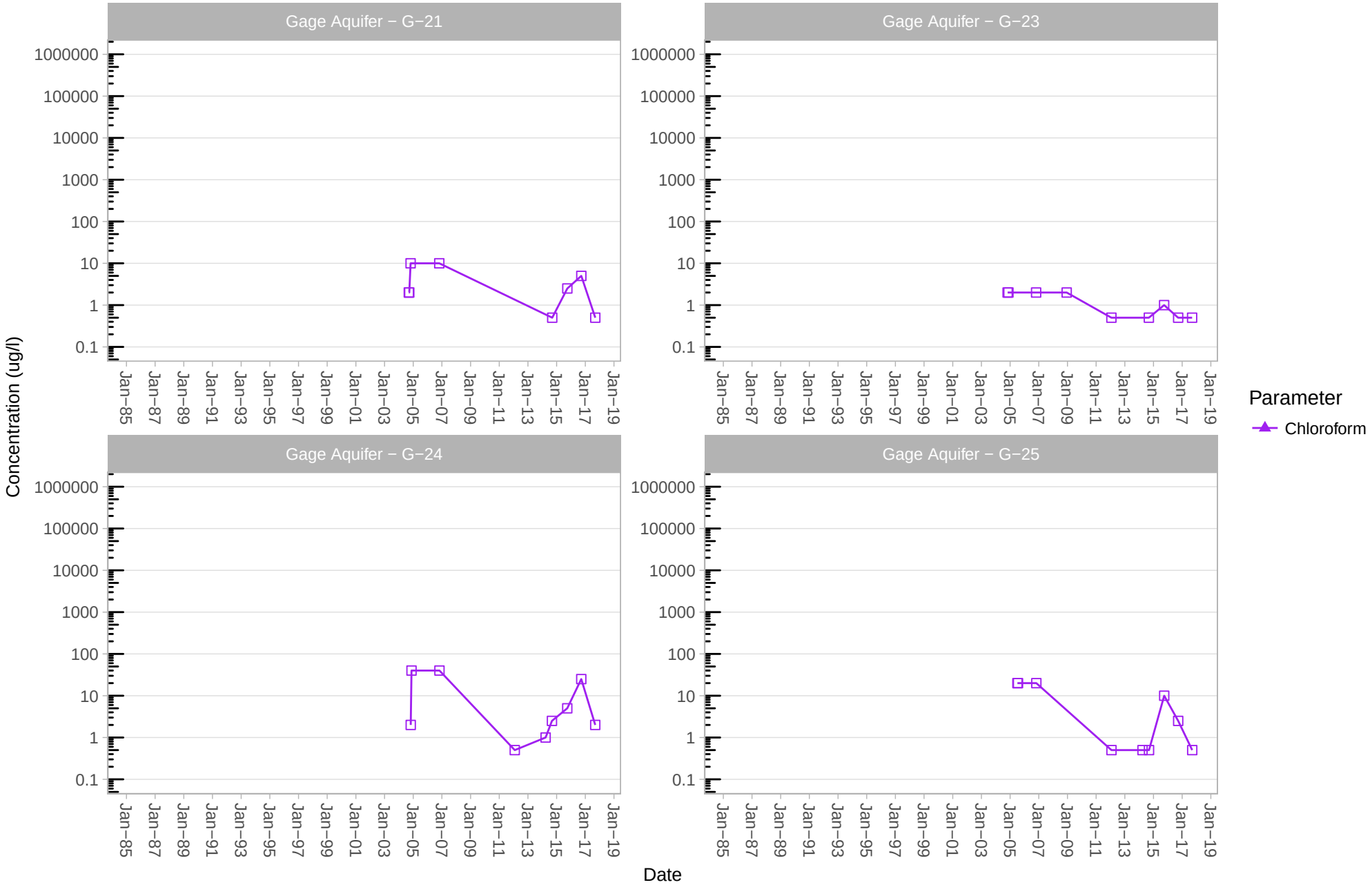
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 29 − Chloroform Time Series Plots

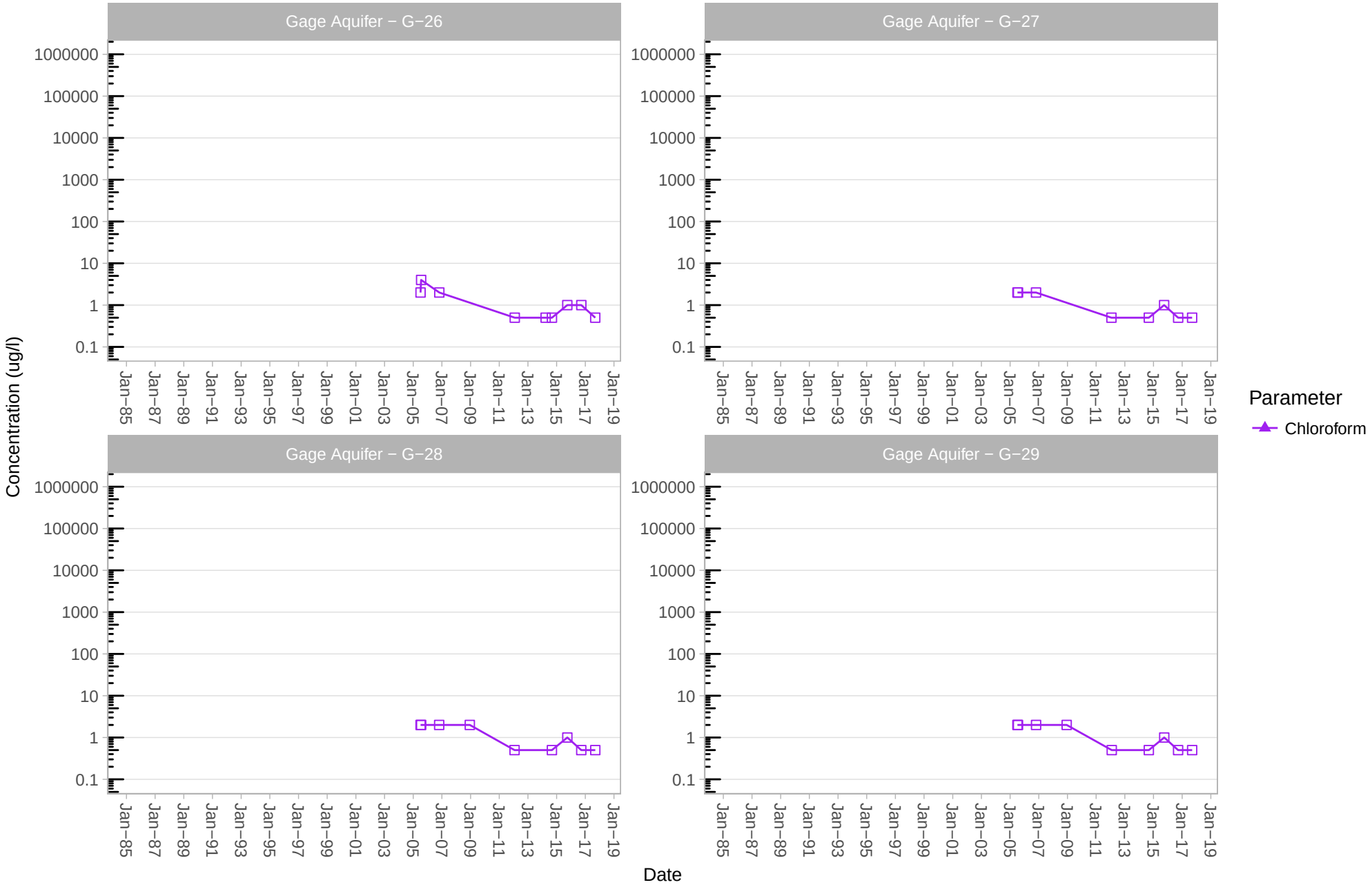
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 30 − Chloroform Time Series Plots

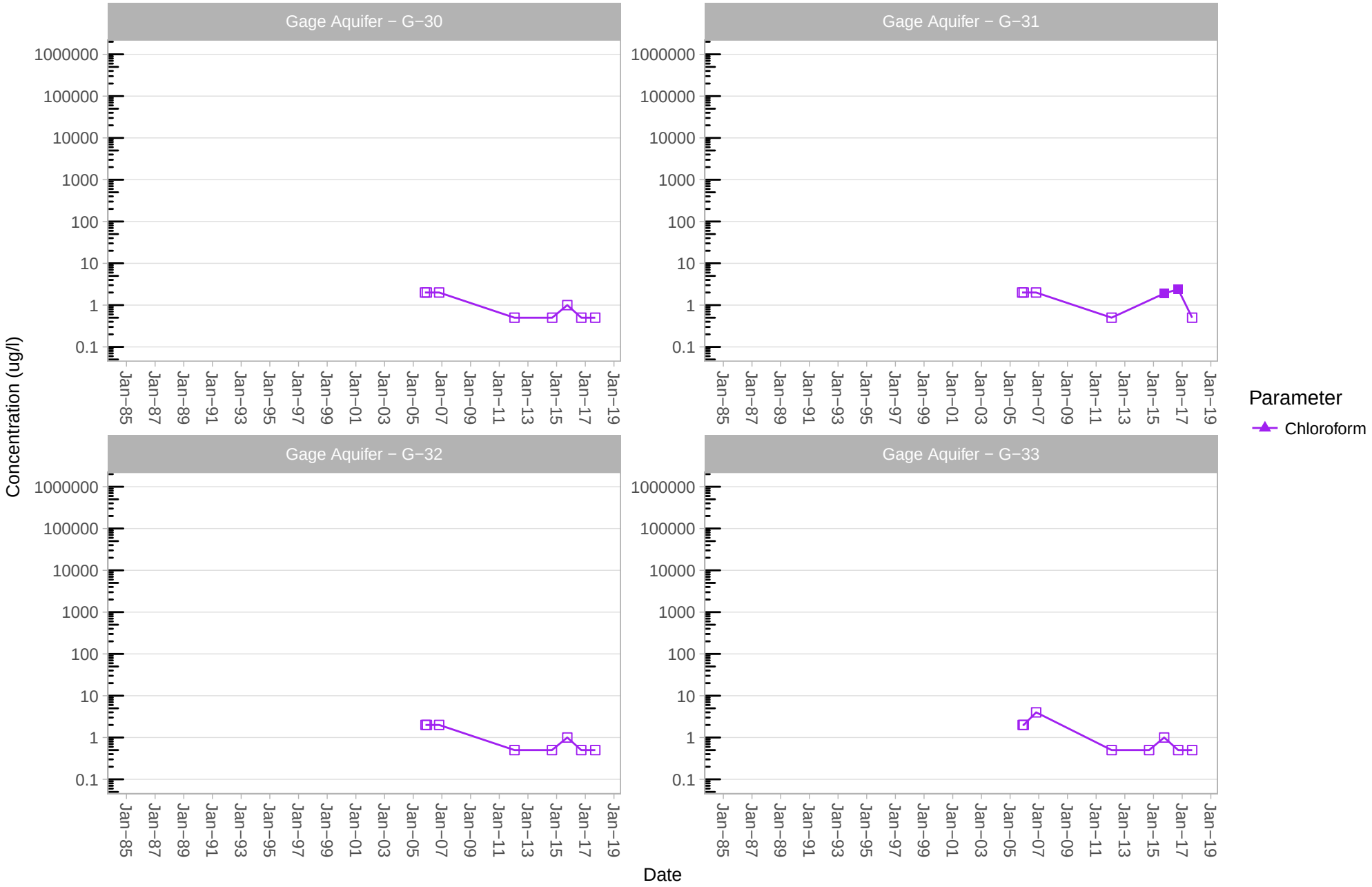
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 31 − Chloroform Time Series Plots

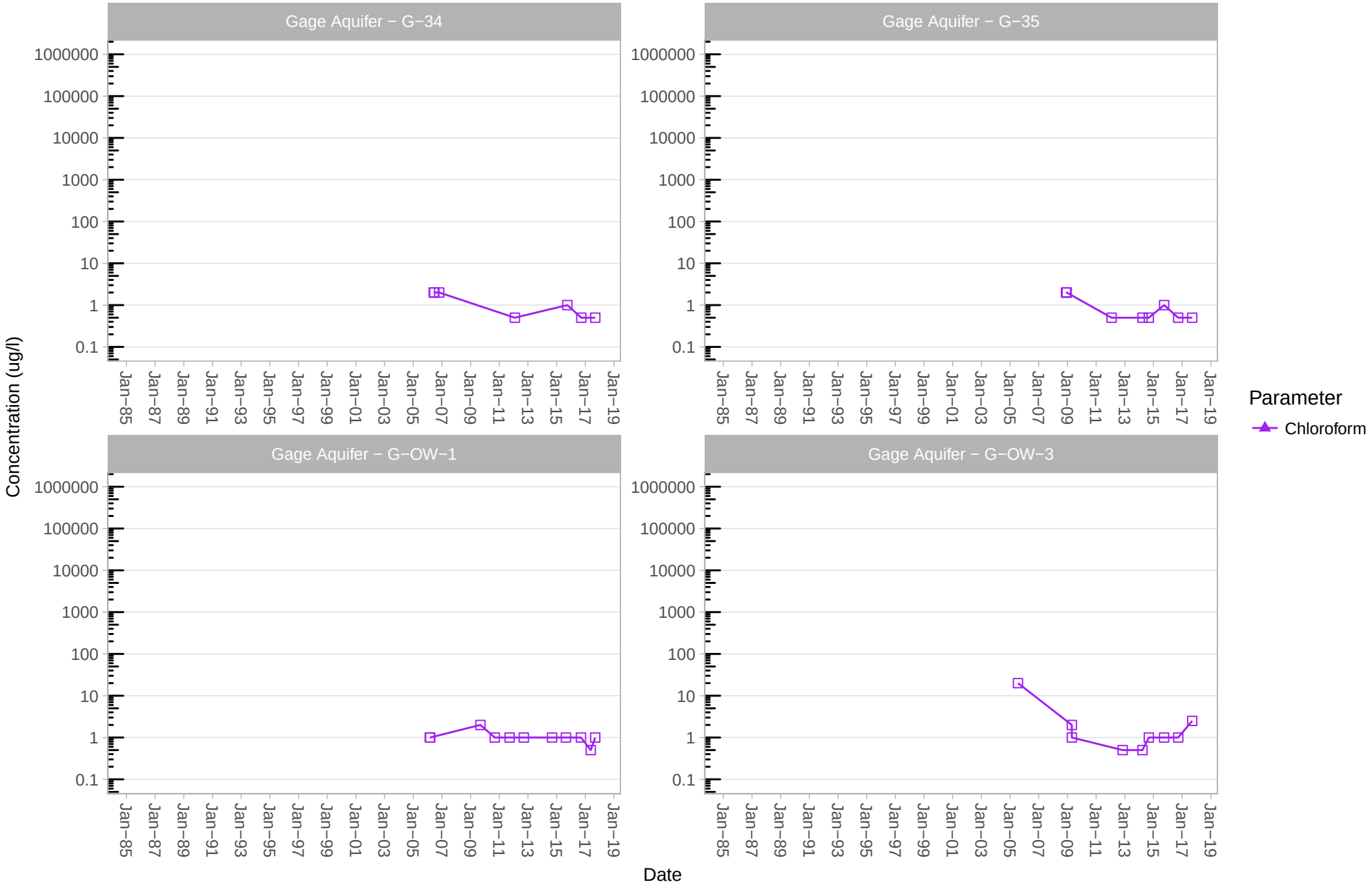
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 32 − Chloroform Time Series Plots

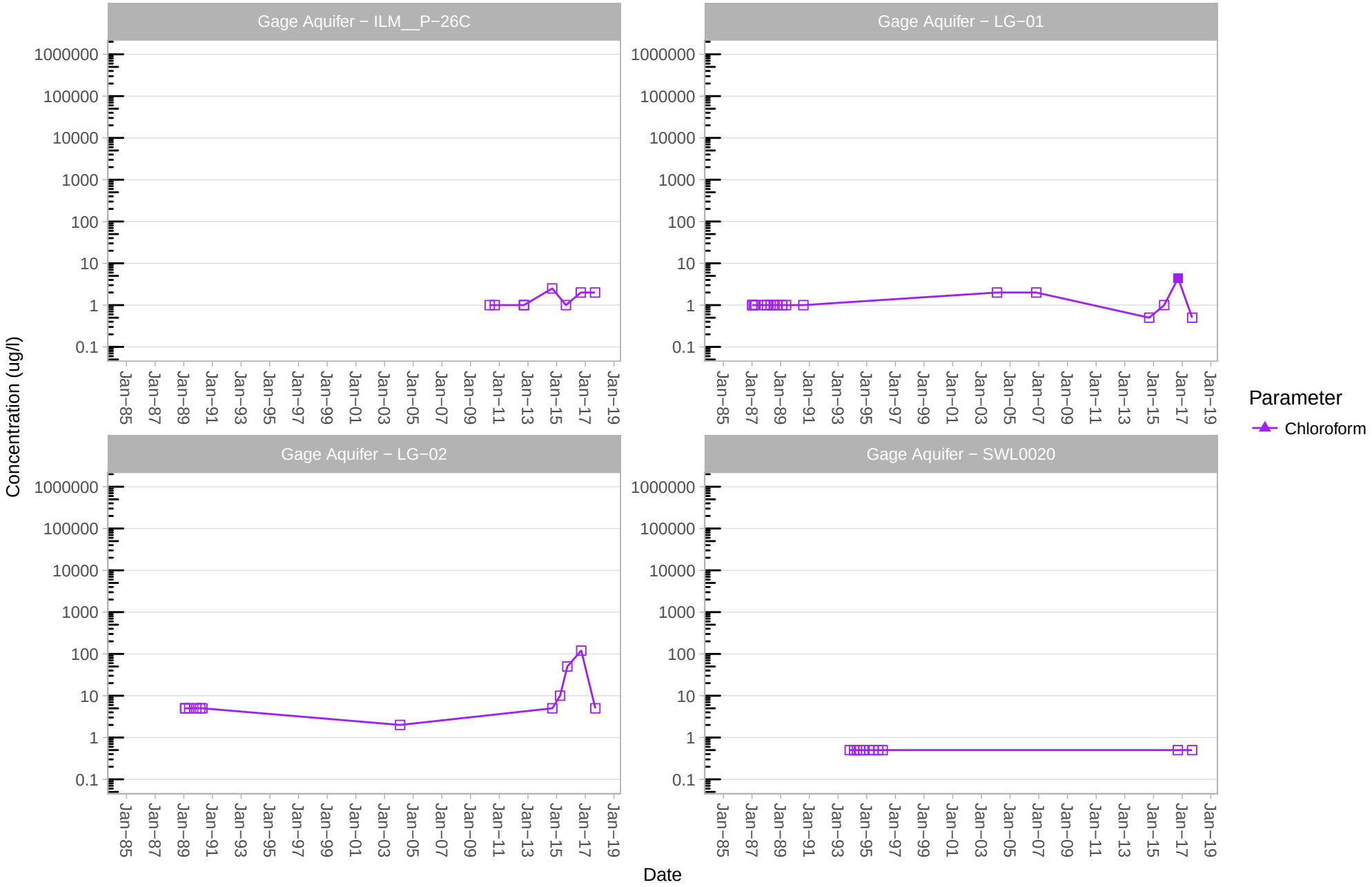
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 33 − Chloroform Time Series Plots

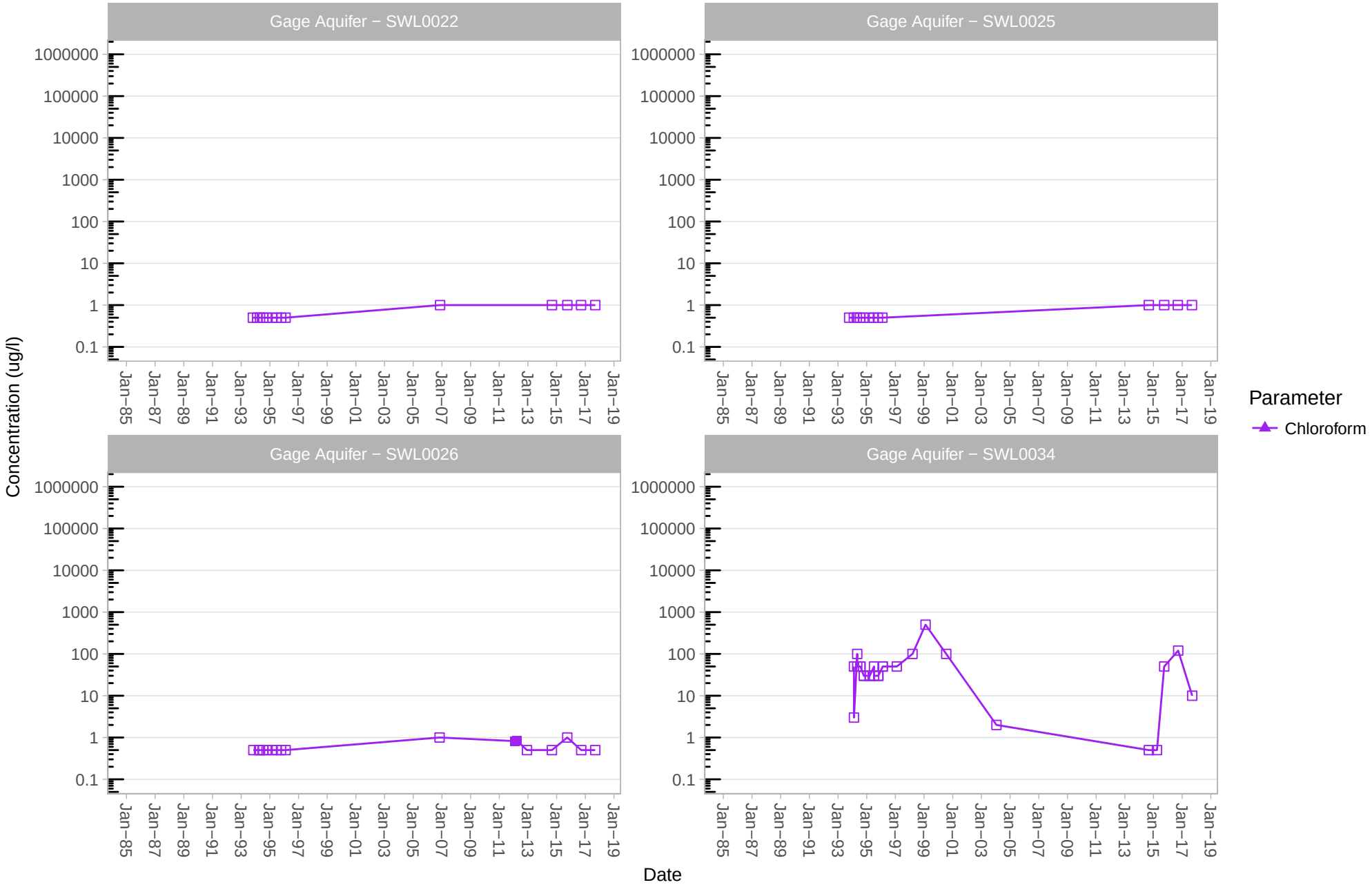
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 34 − Chloroform Time Series Plots

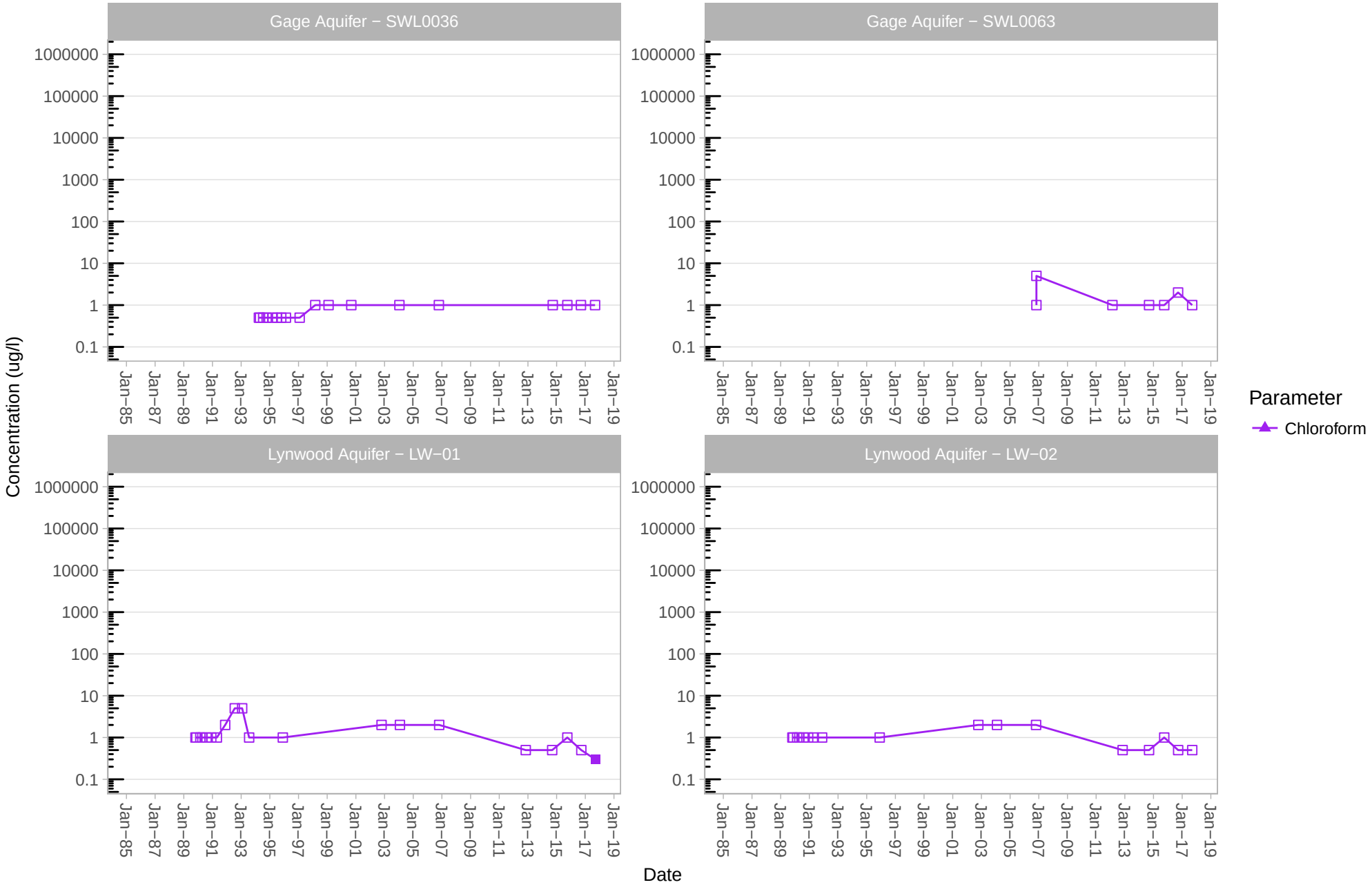
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 35 − Chloroform Time Series Plots

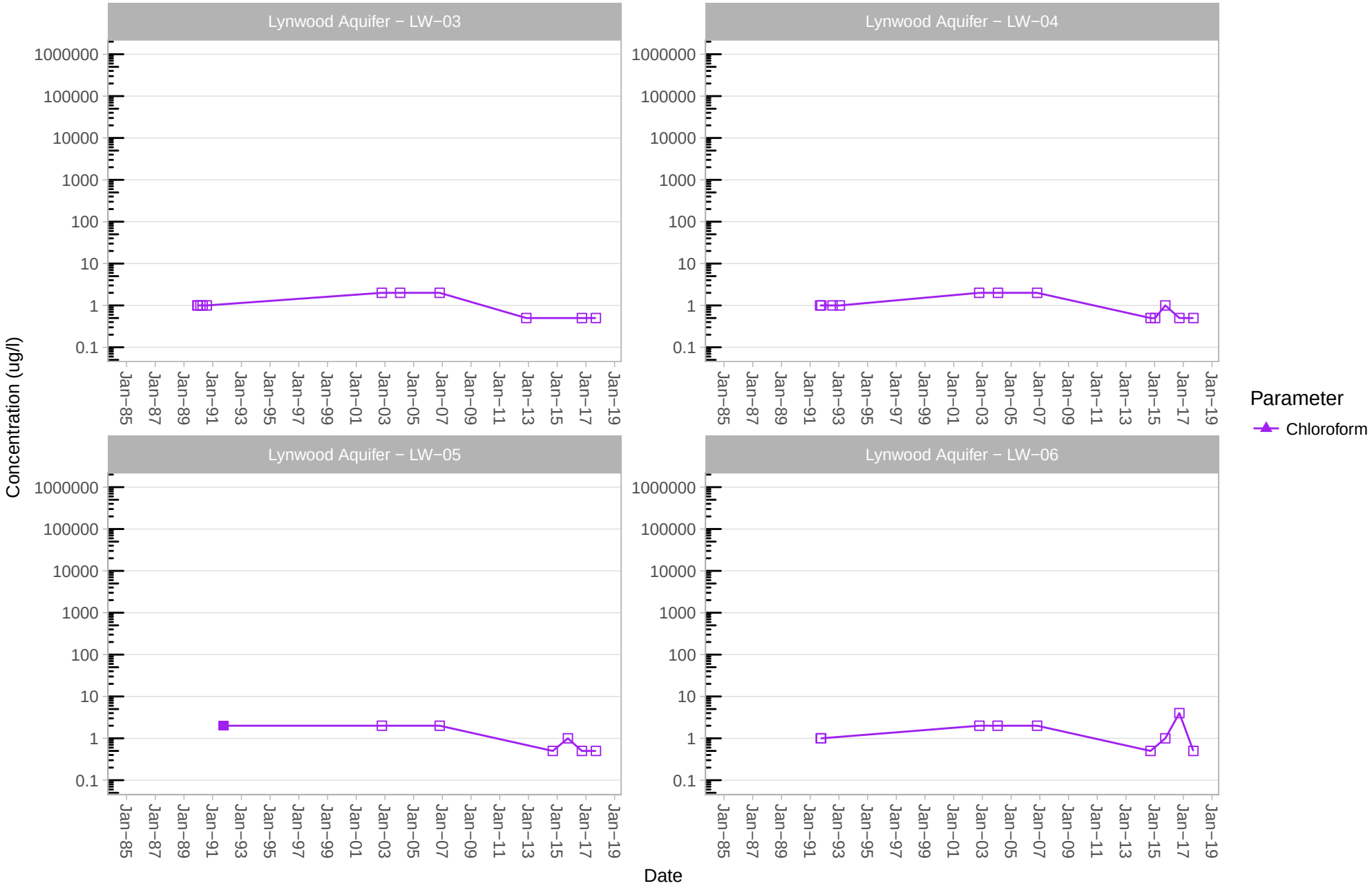
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 36 − Chloroform Time Series Plots

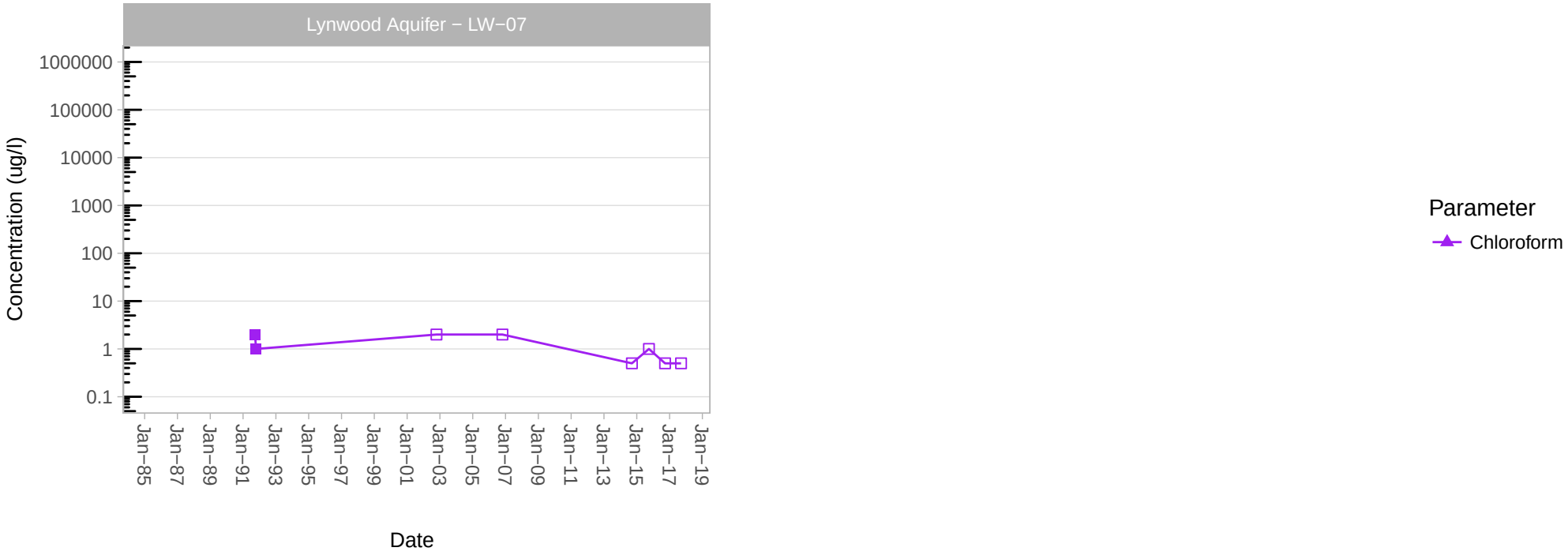
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix J − Graph 37 − Chloroform Time Series Plots

Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR

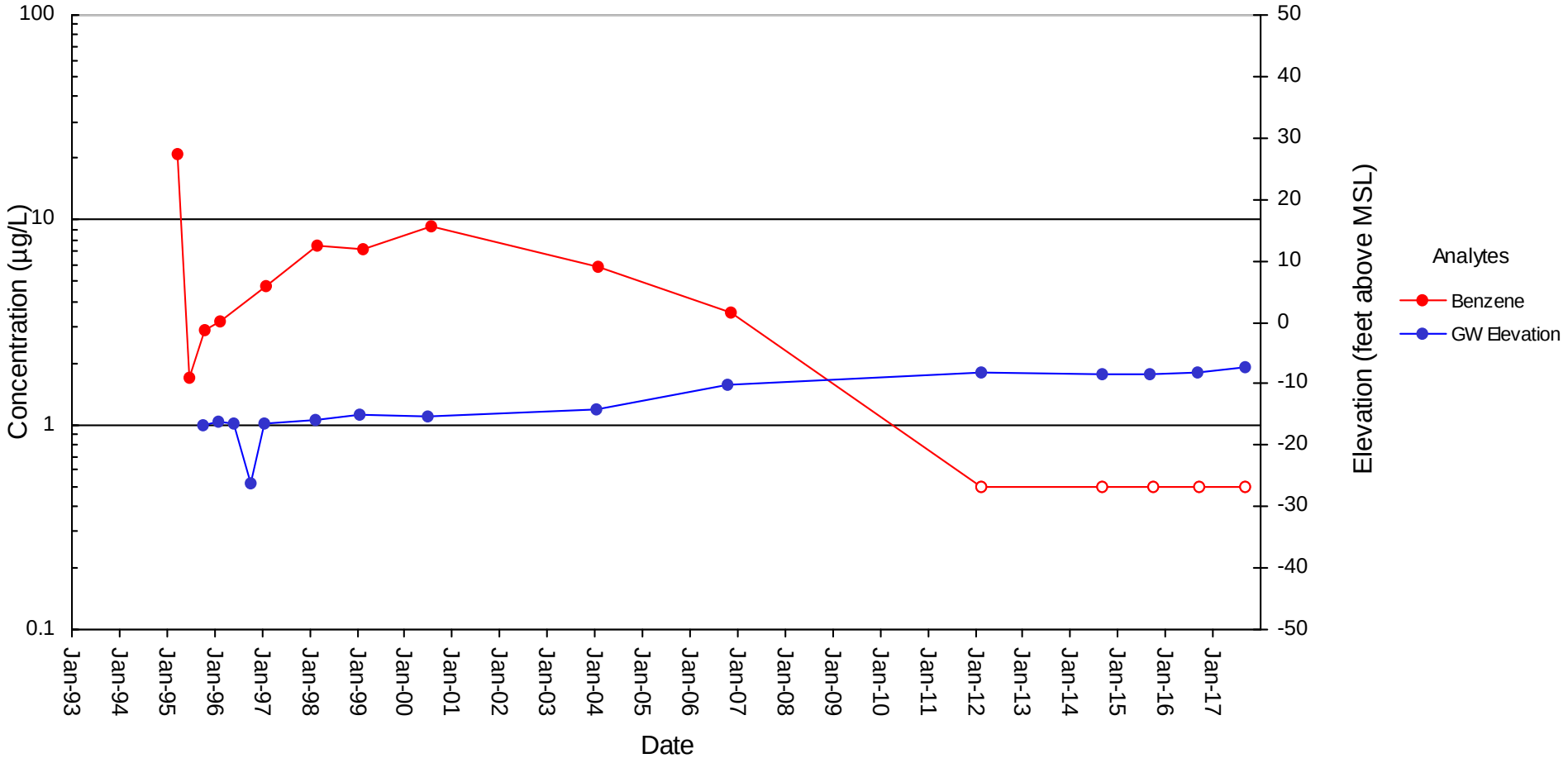


Notes: Nondetects reported open symbols at the reporting limit

Appendix K

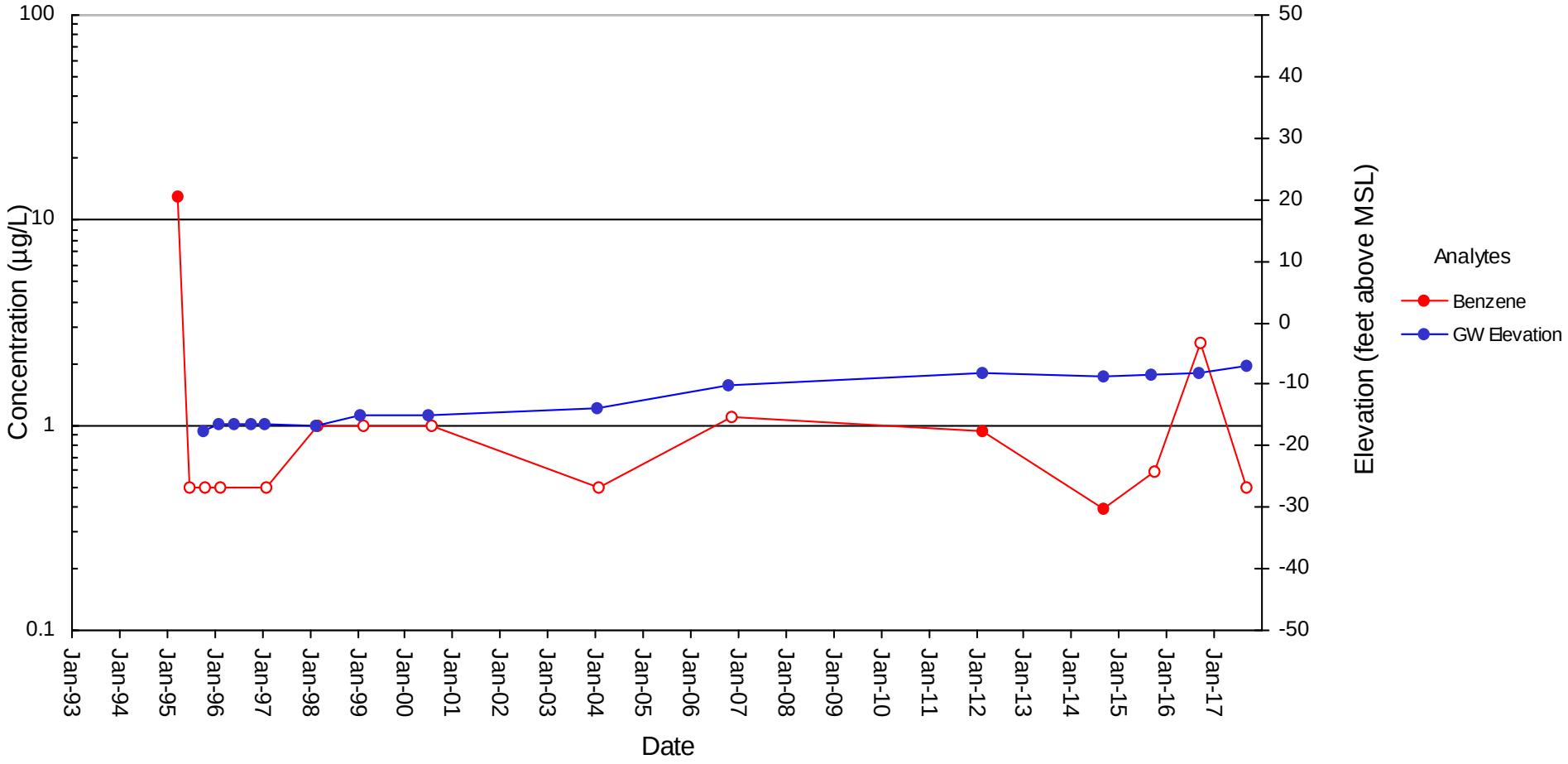
Benzene and Groundwater Elevation Graphs

Groundwater Elevations & Benzene Concentrations vs. Time (Well G-01WC)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



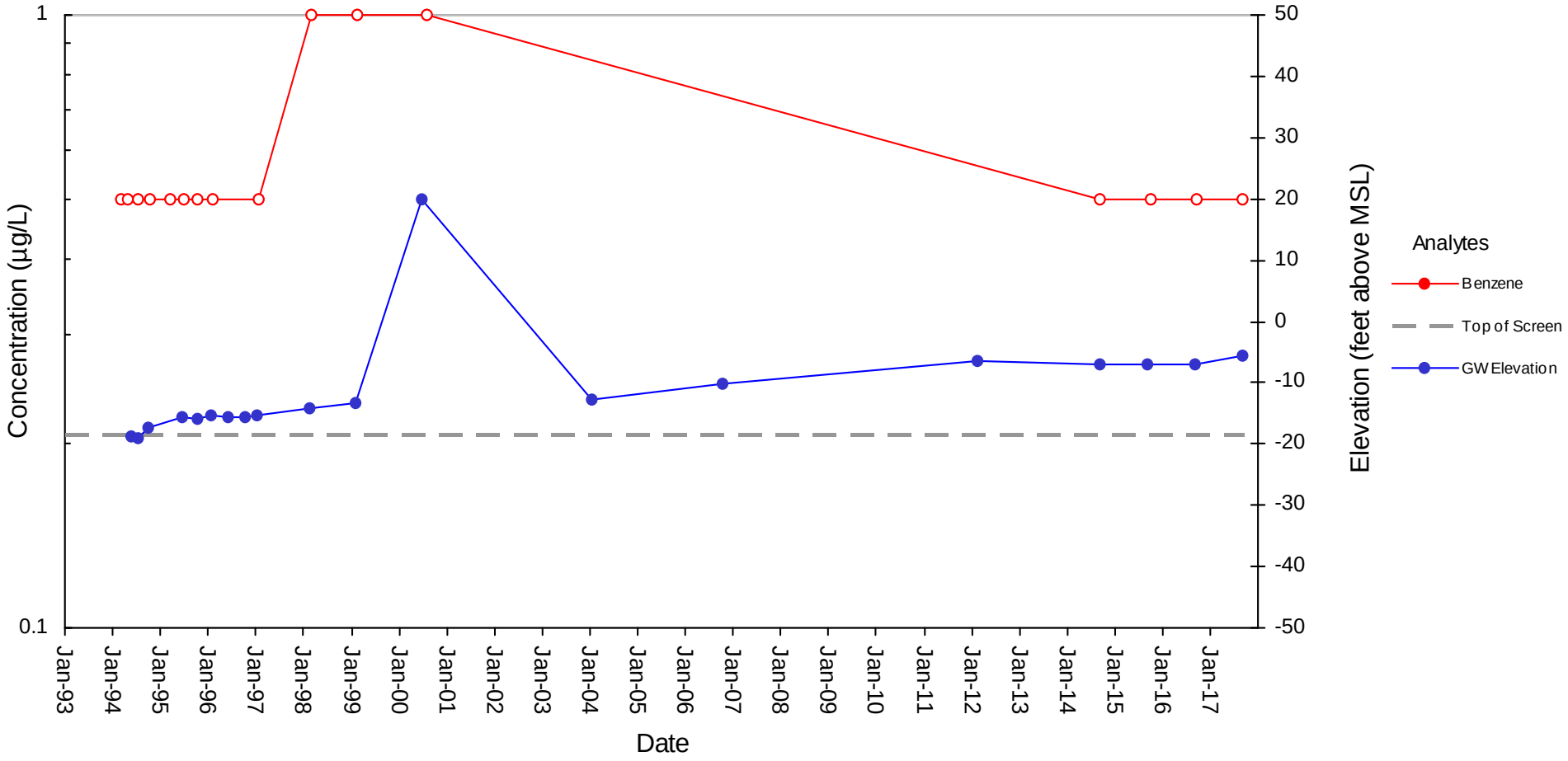
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well G-02WC)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



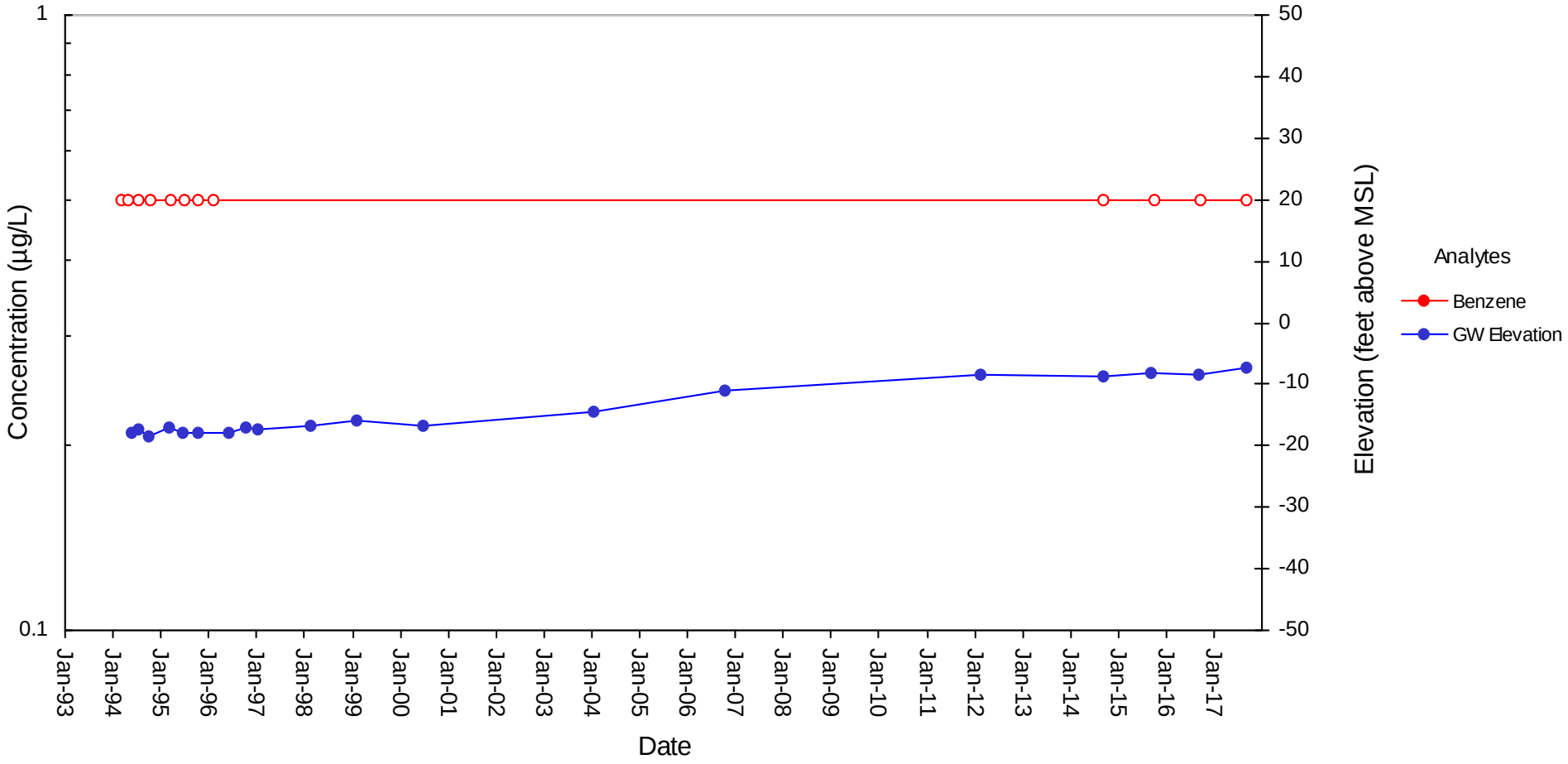
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well GW-07A)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



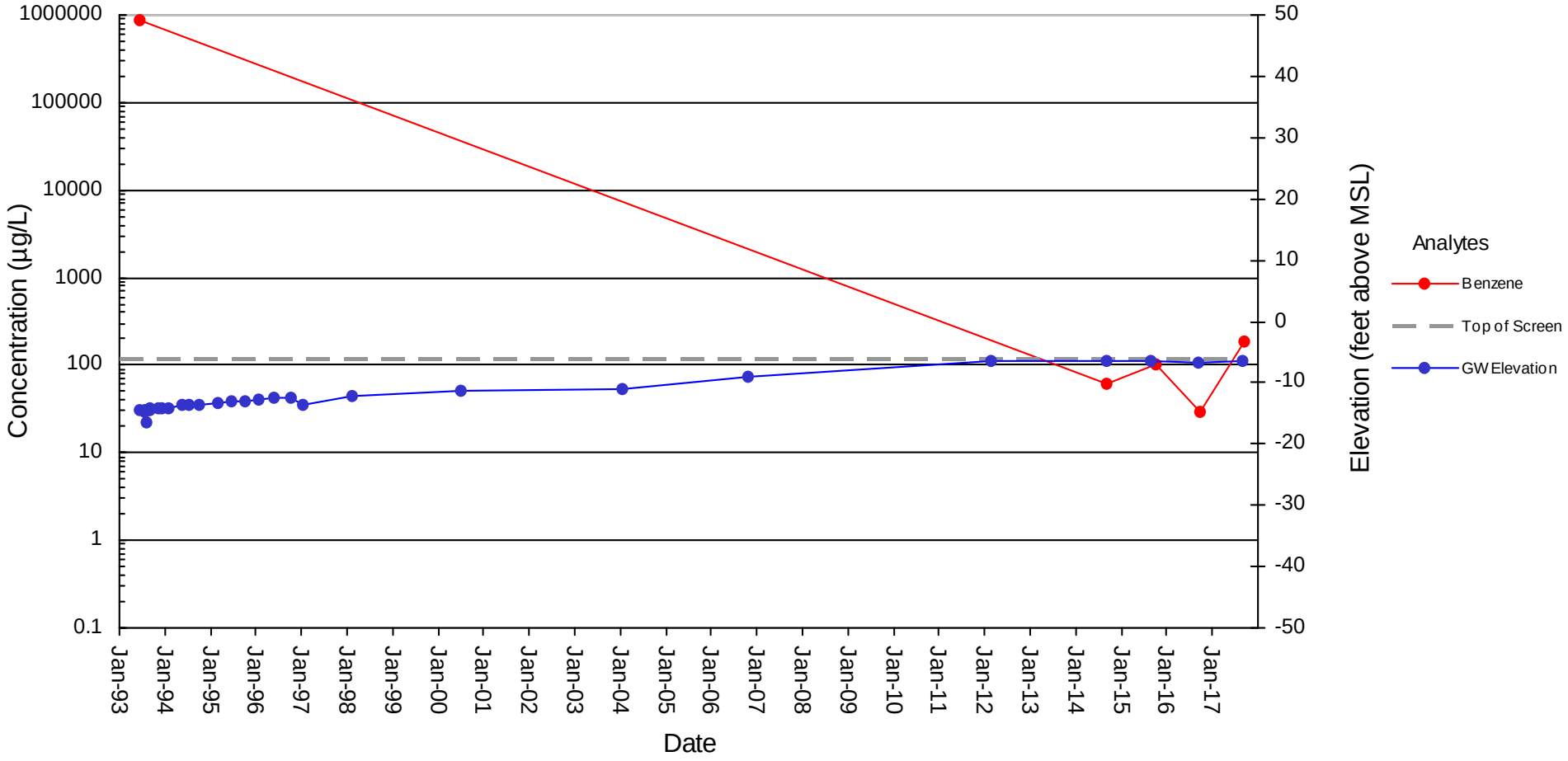
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well GW-07C)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



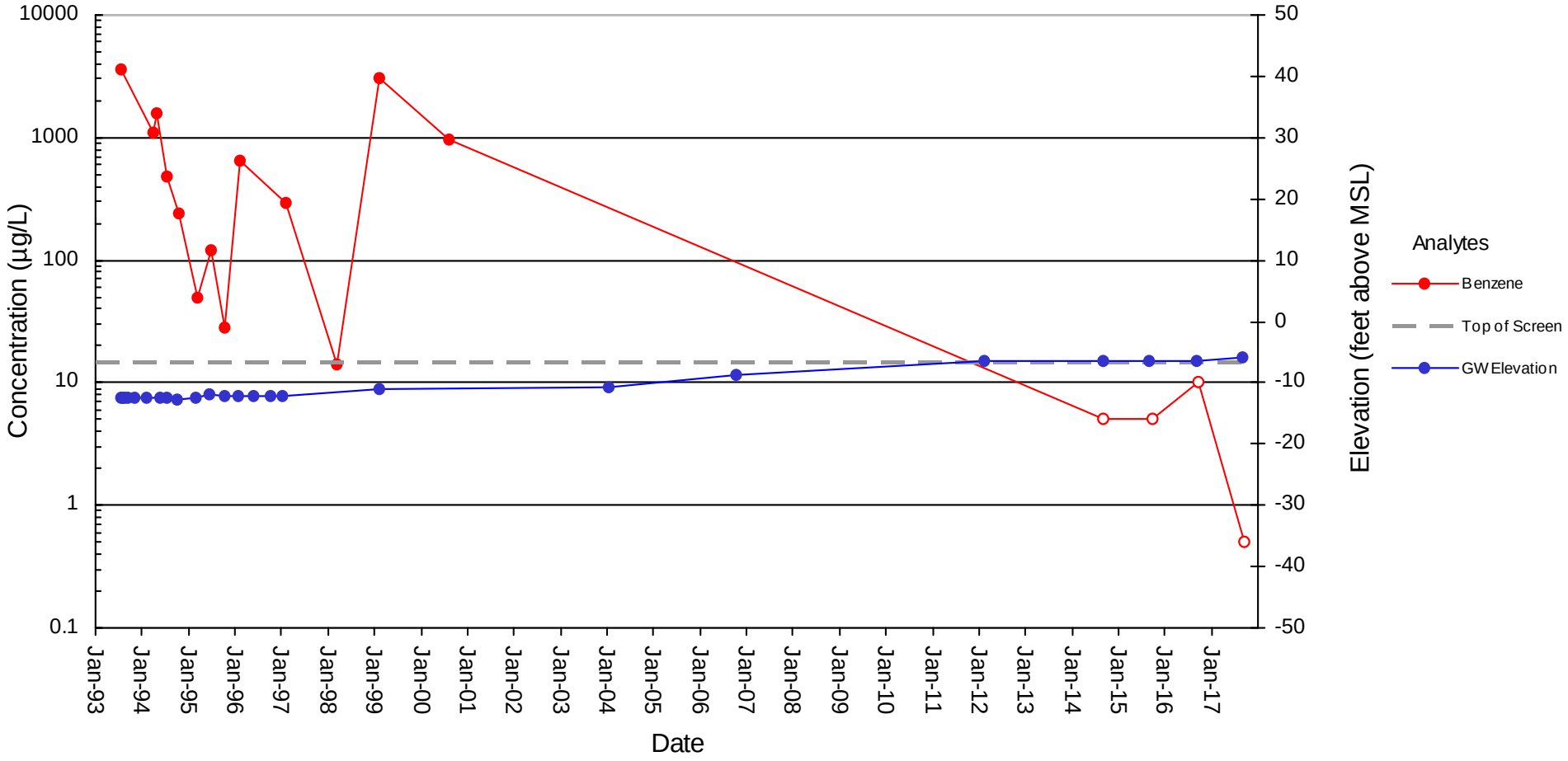
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well MW-01HD)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



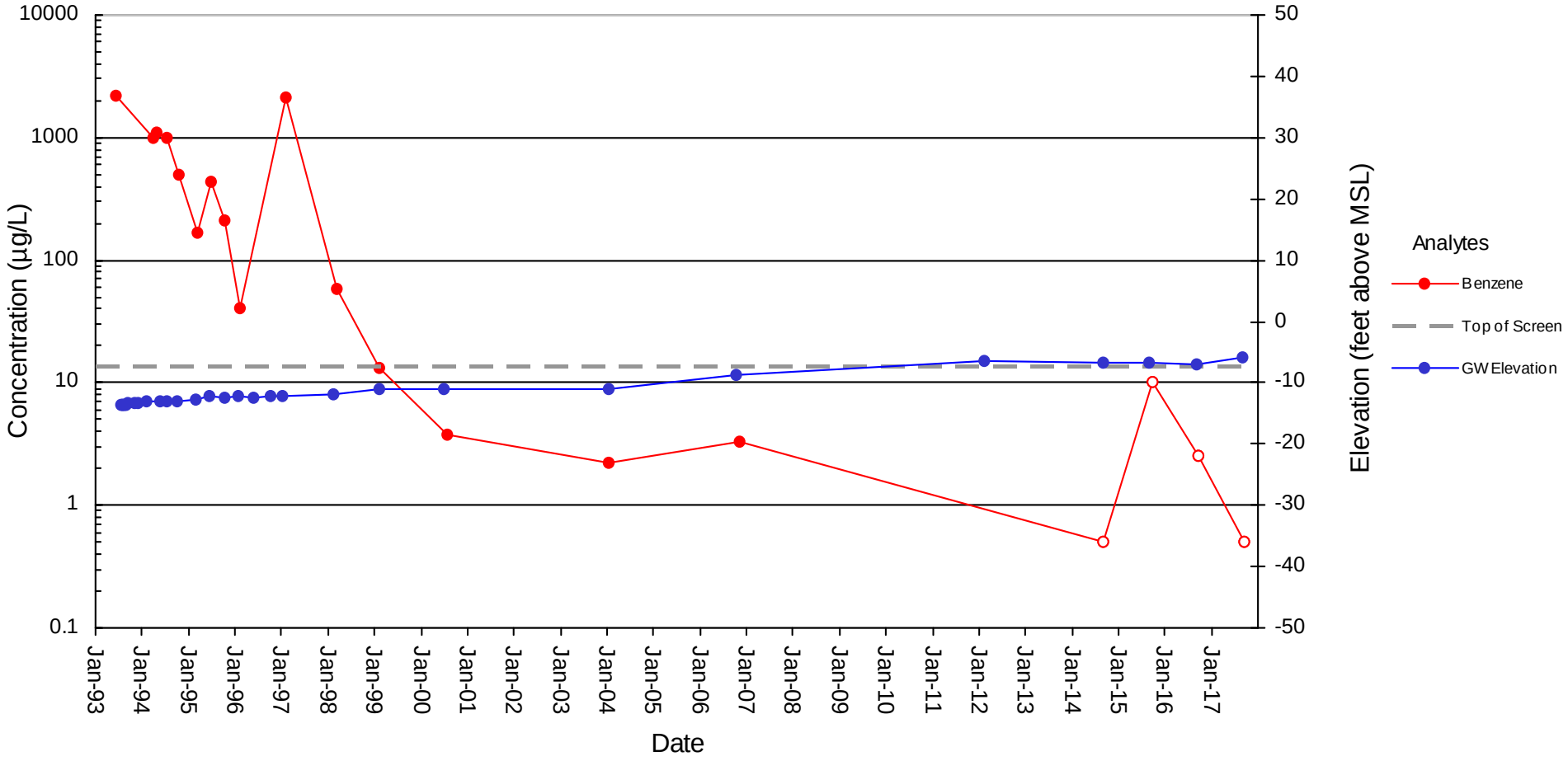
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well MW-02HD)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



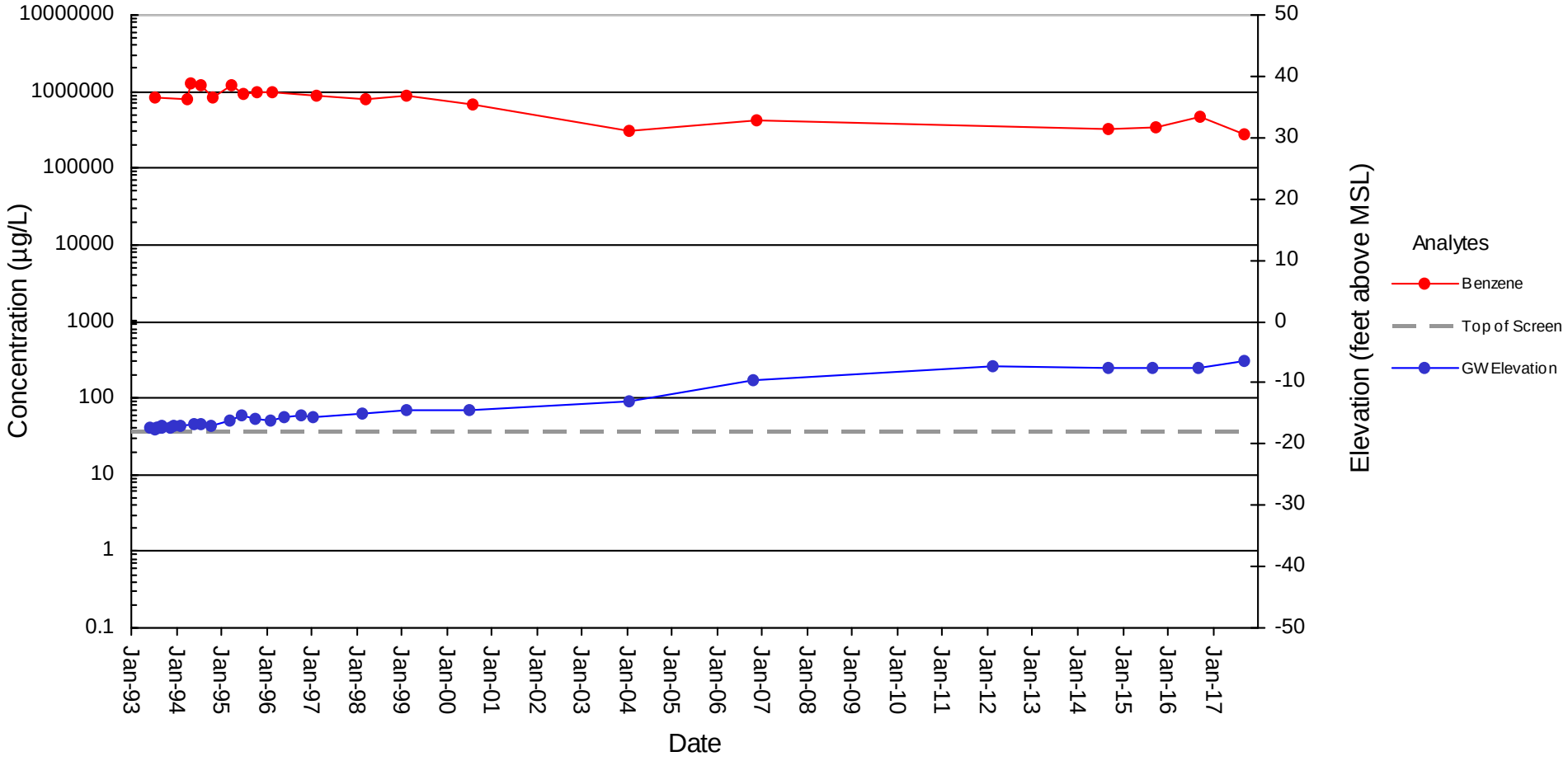
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well MW-03HD)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



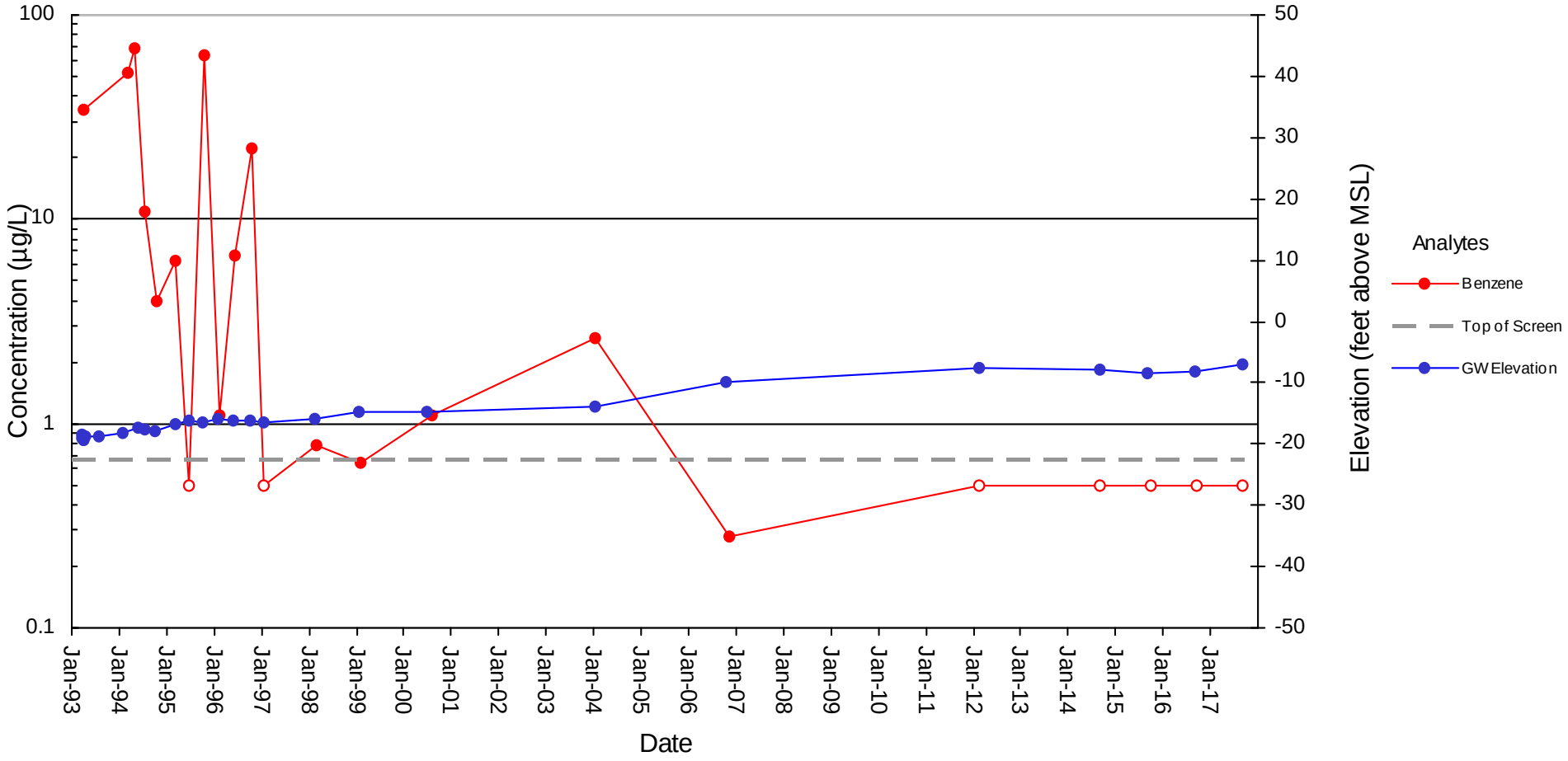
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well MW-04HD)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



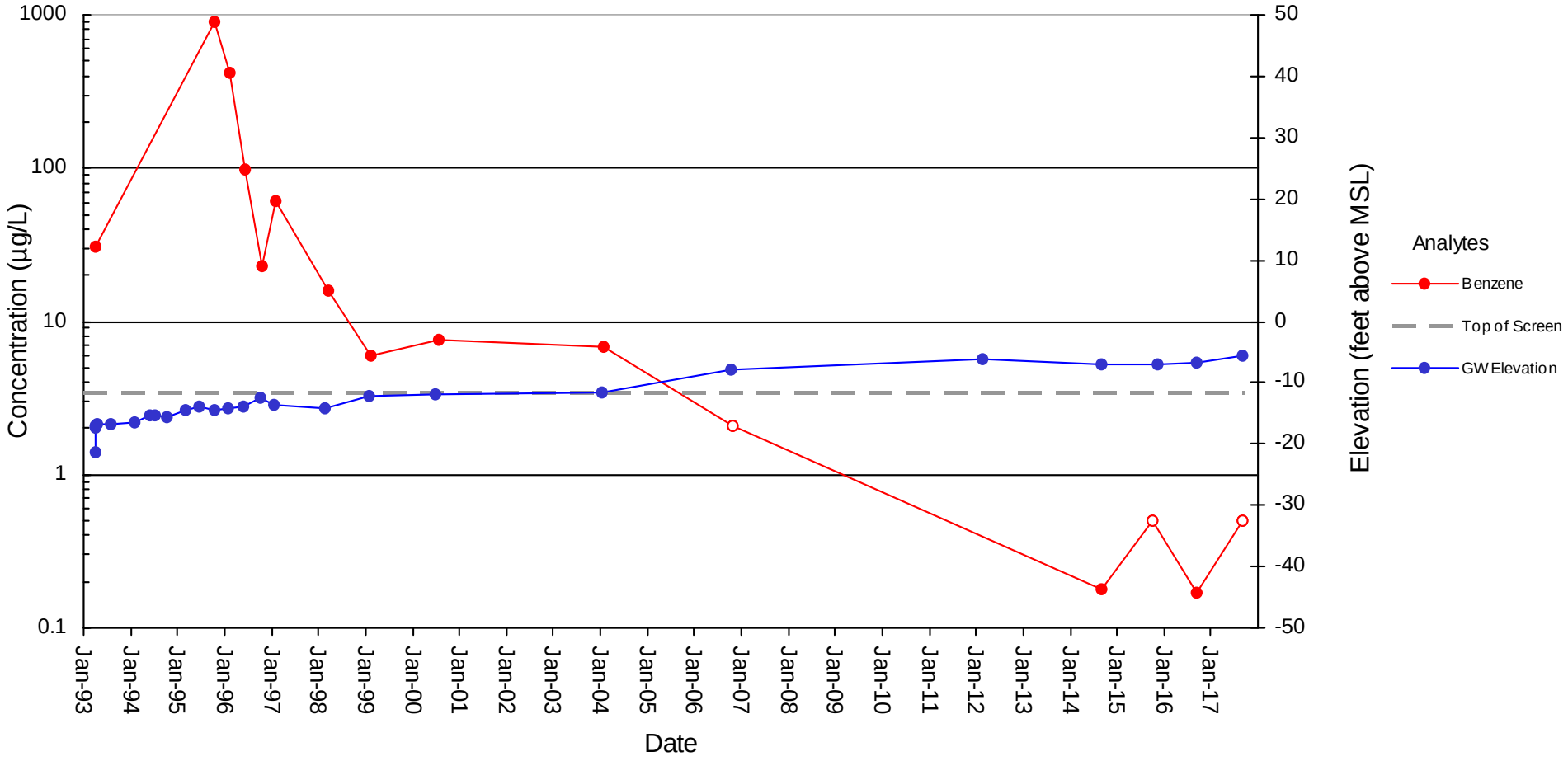
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0001)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



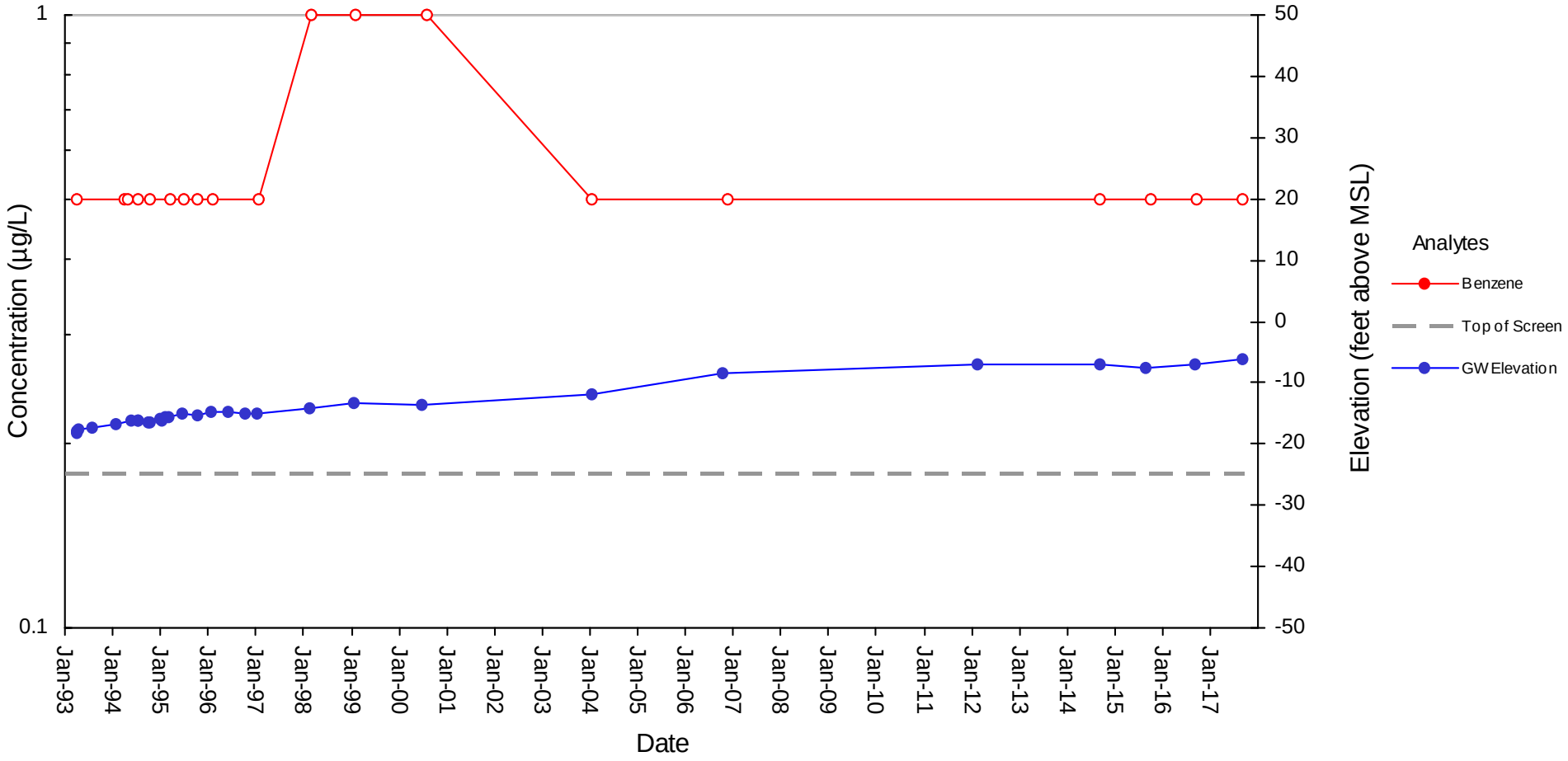
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0006)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



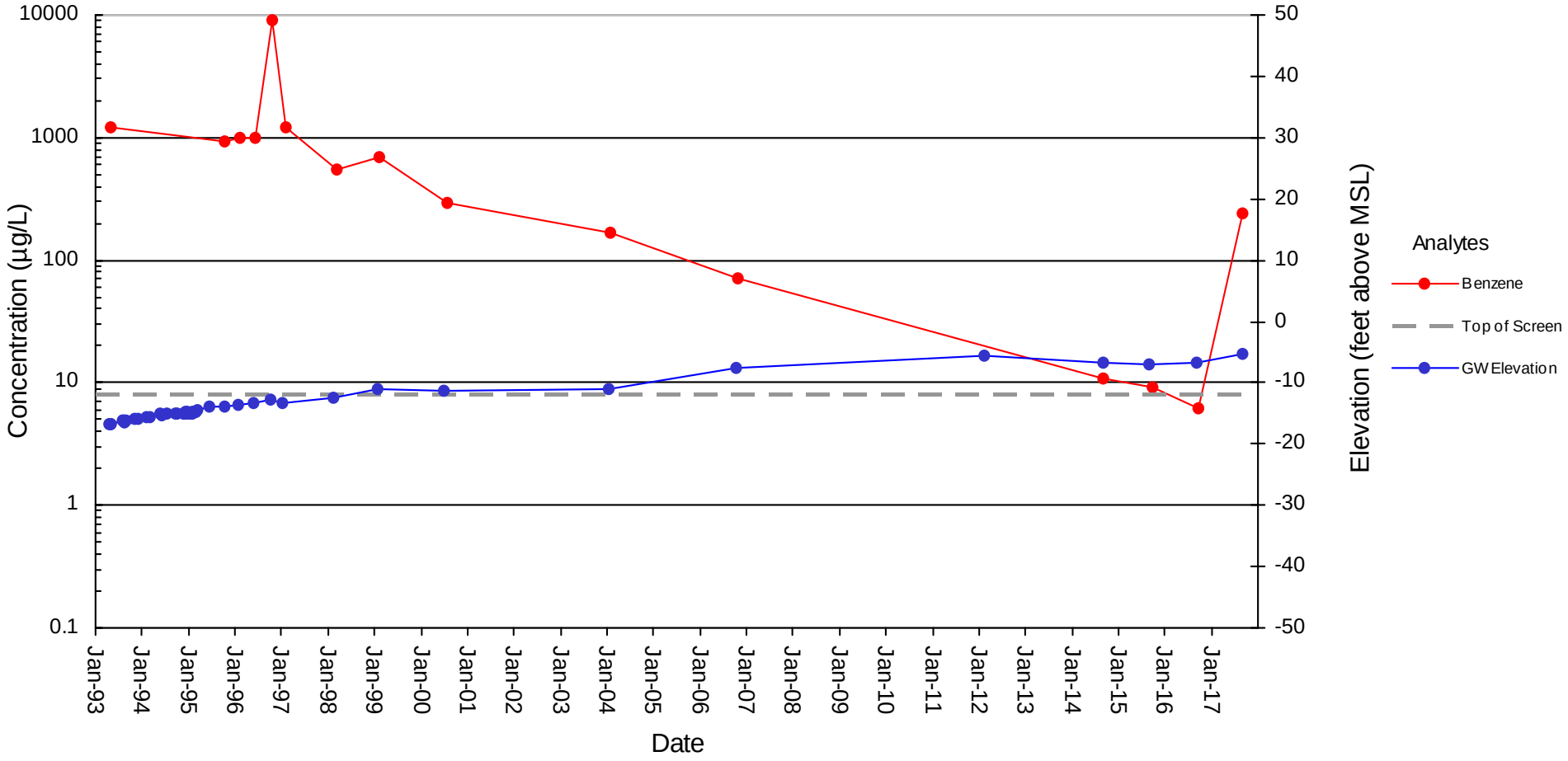
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0007)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



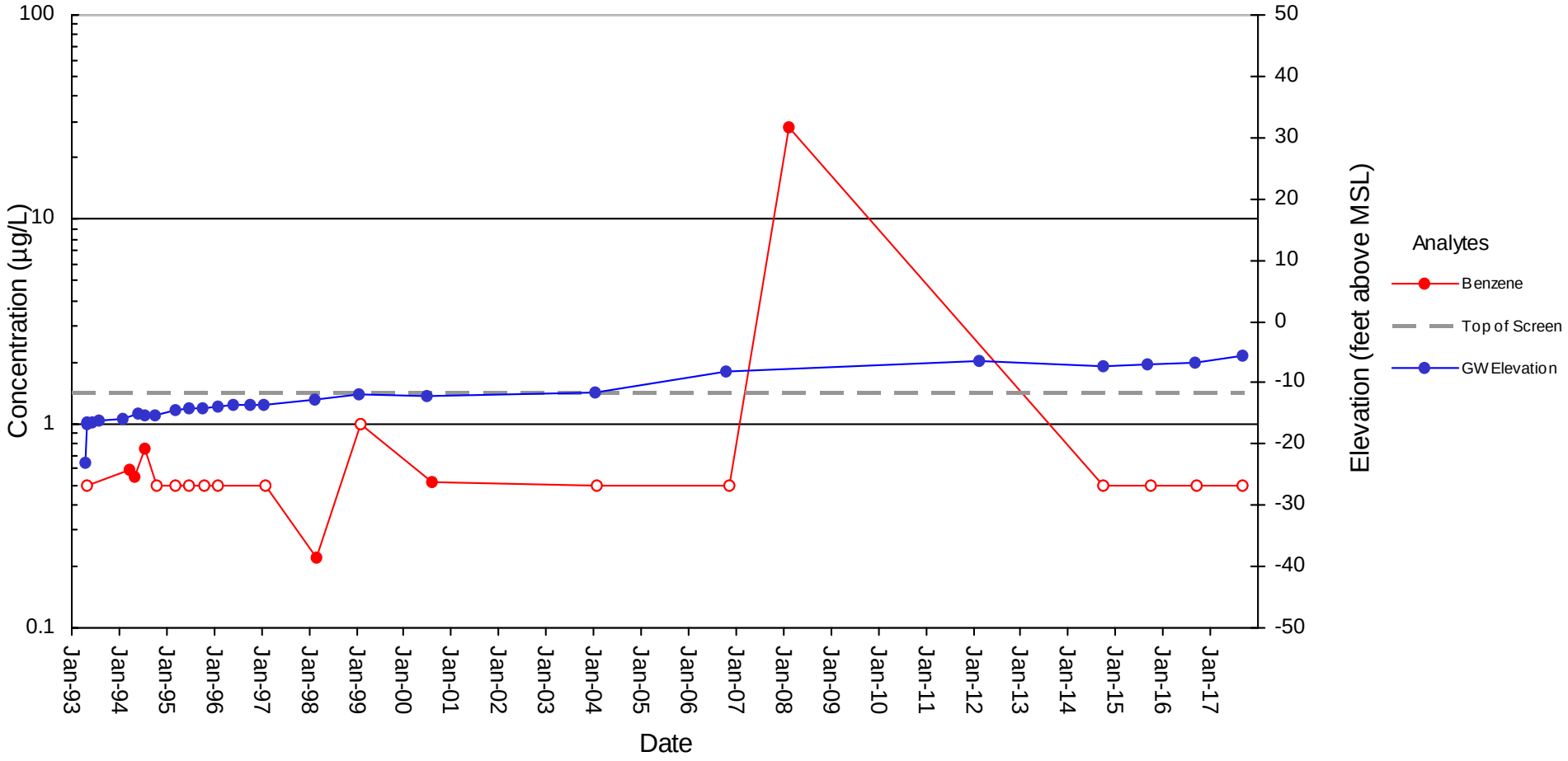
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0009)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



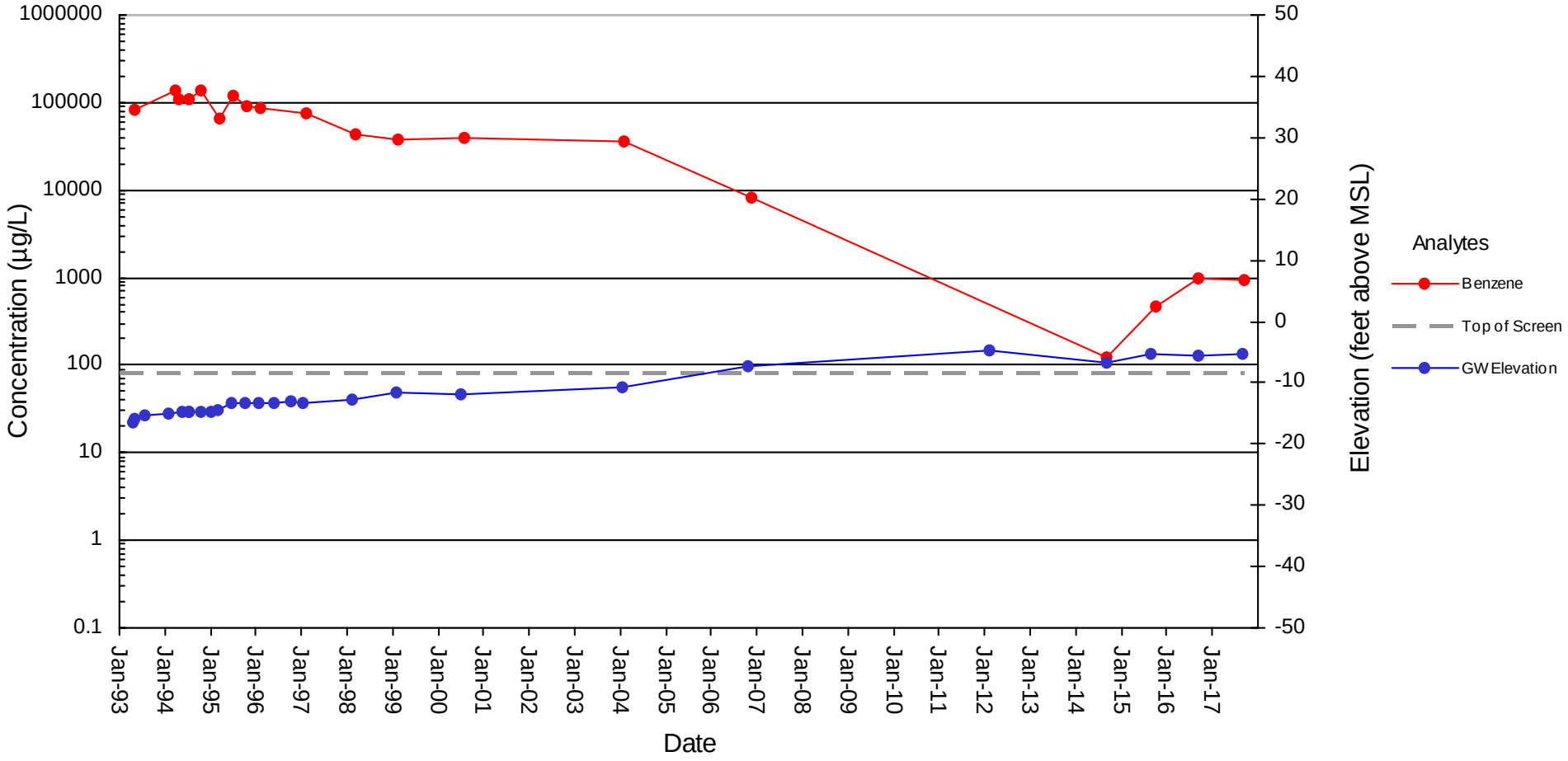
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0010)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



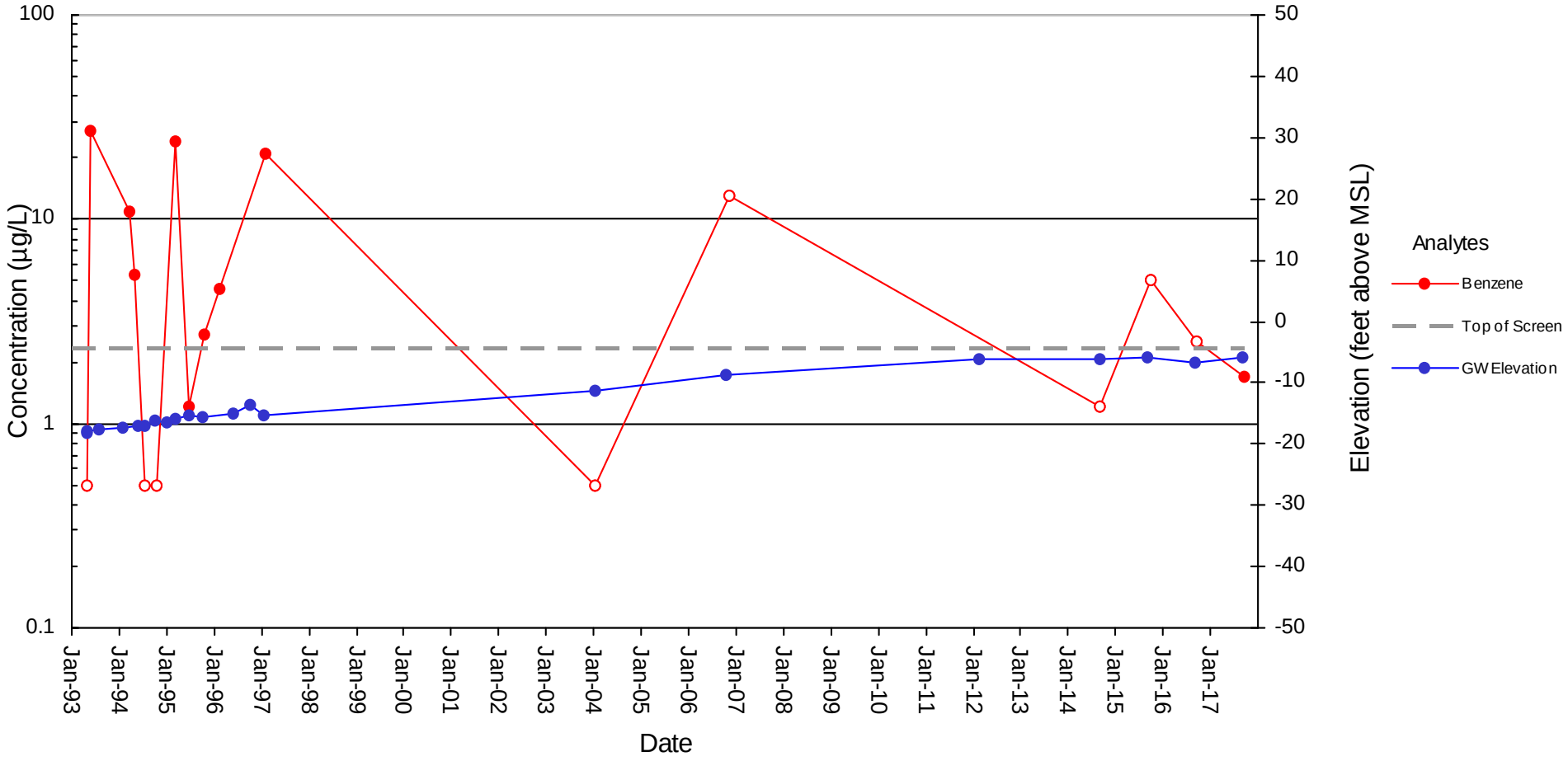
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0011)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



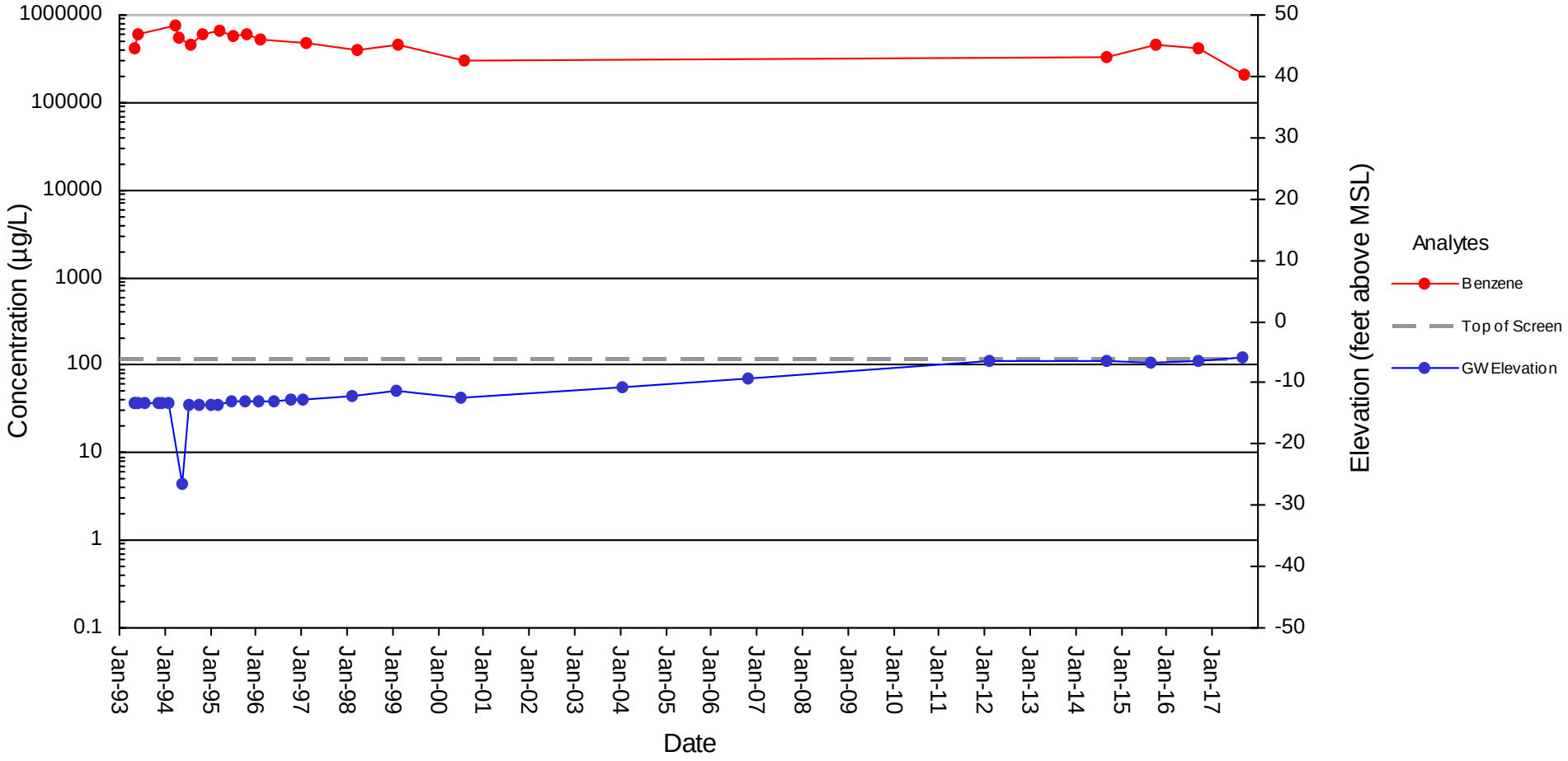
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0012)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



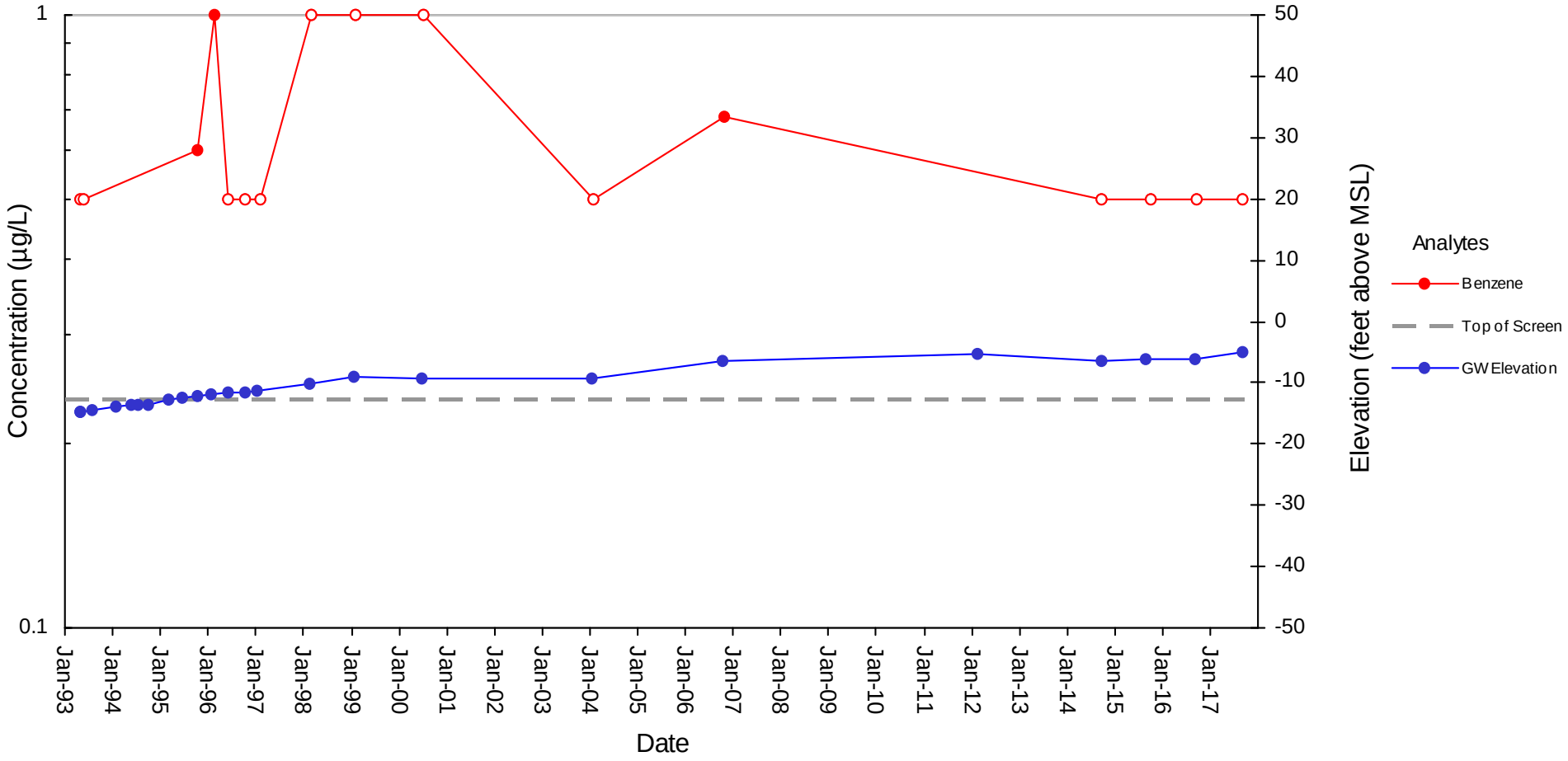
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0013)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



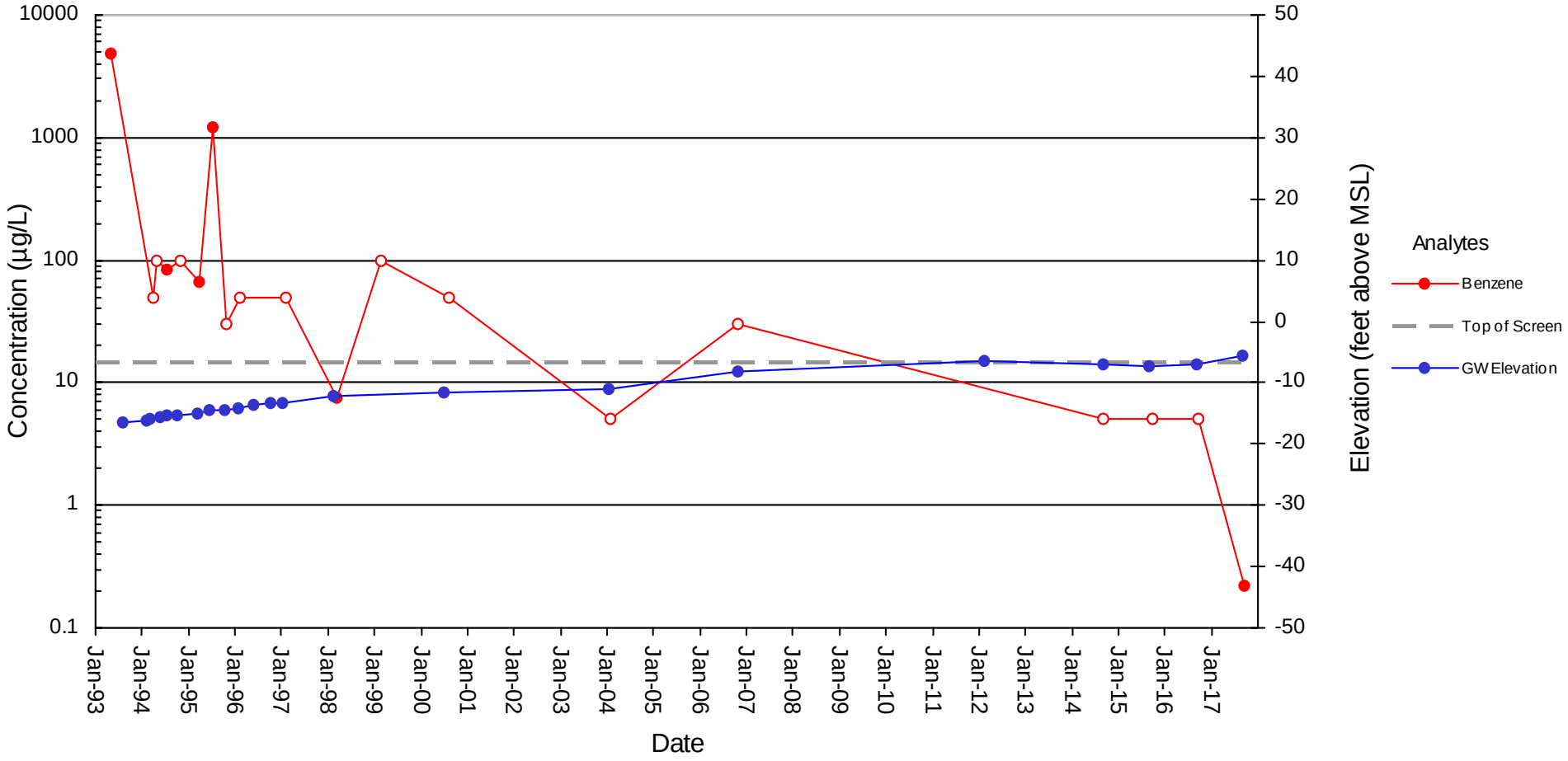
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0014)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



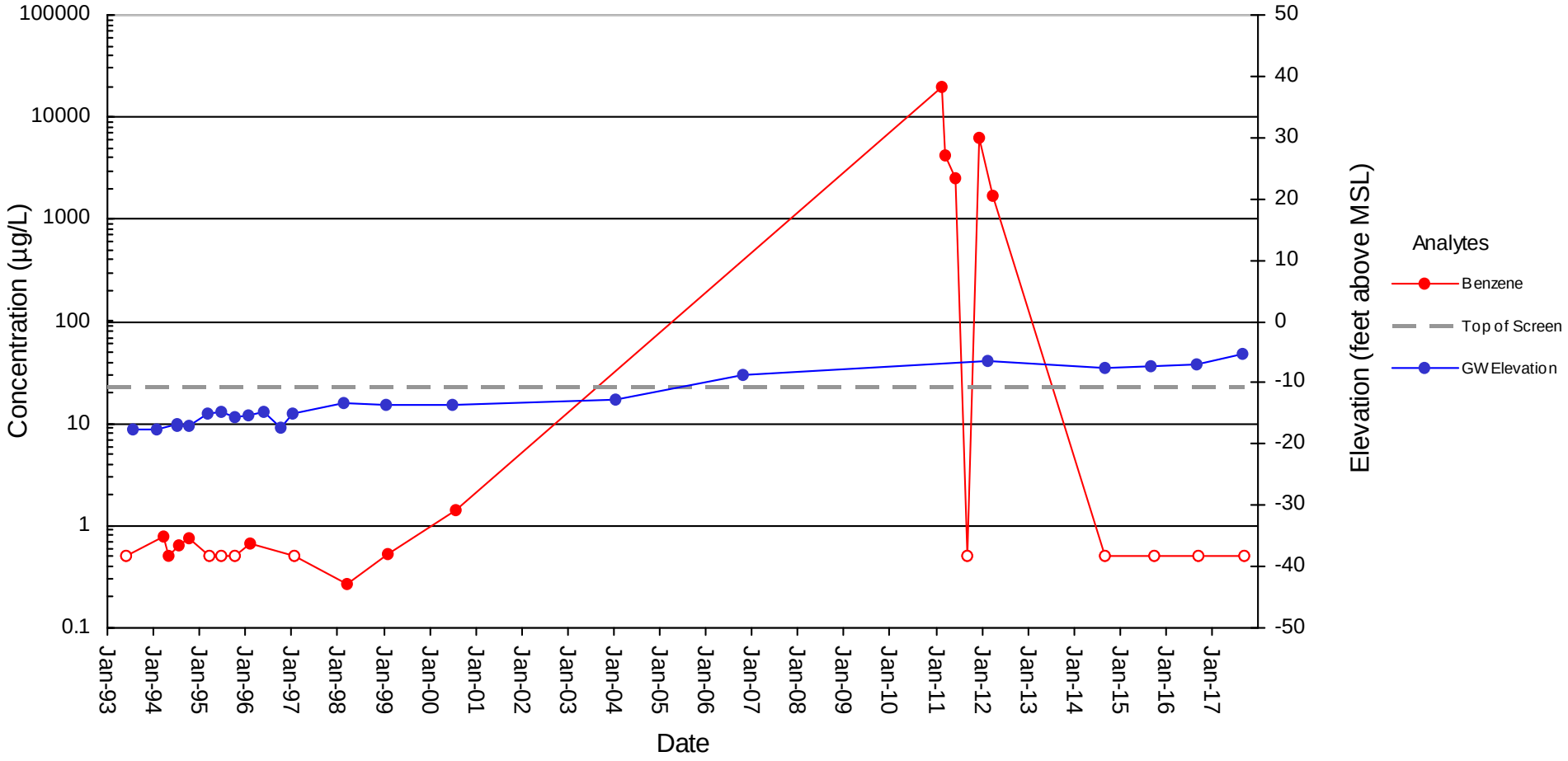
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0016)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



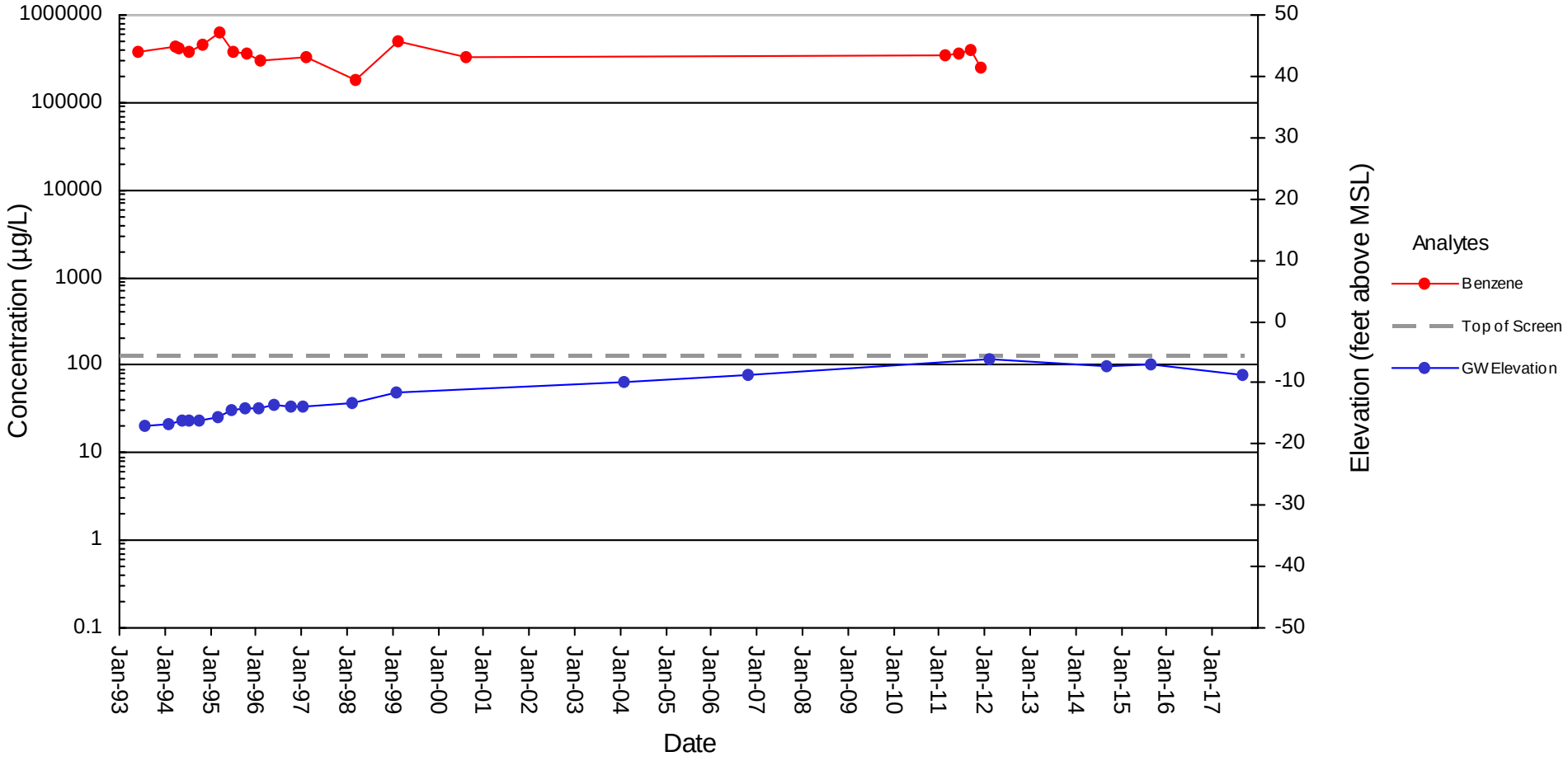
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0018)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



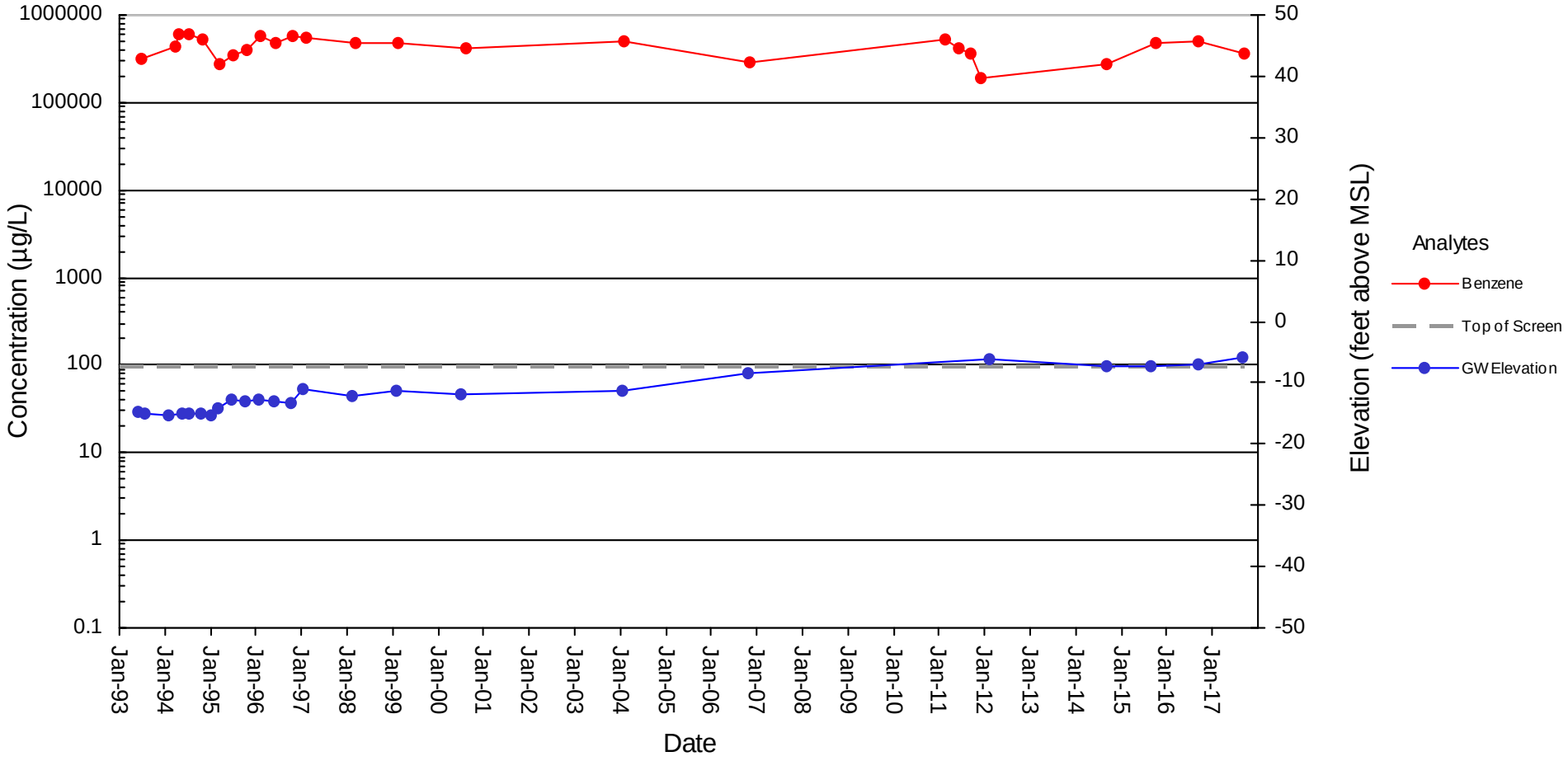
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0019)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



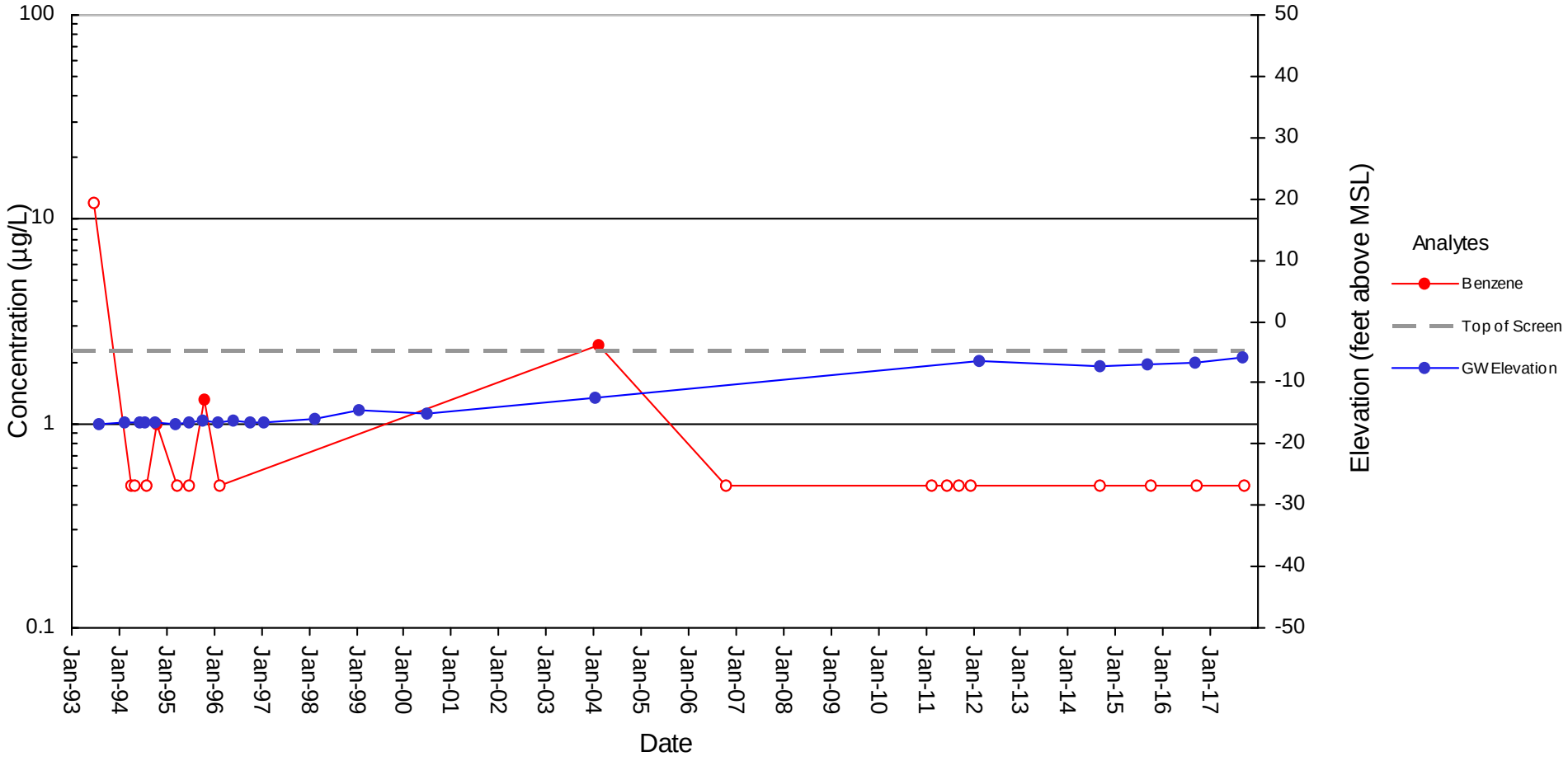
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0020)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



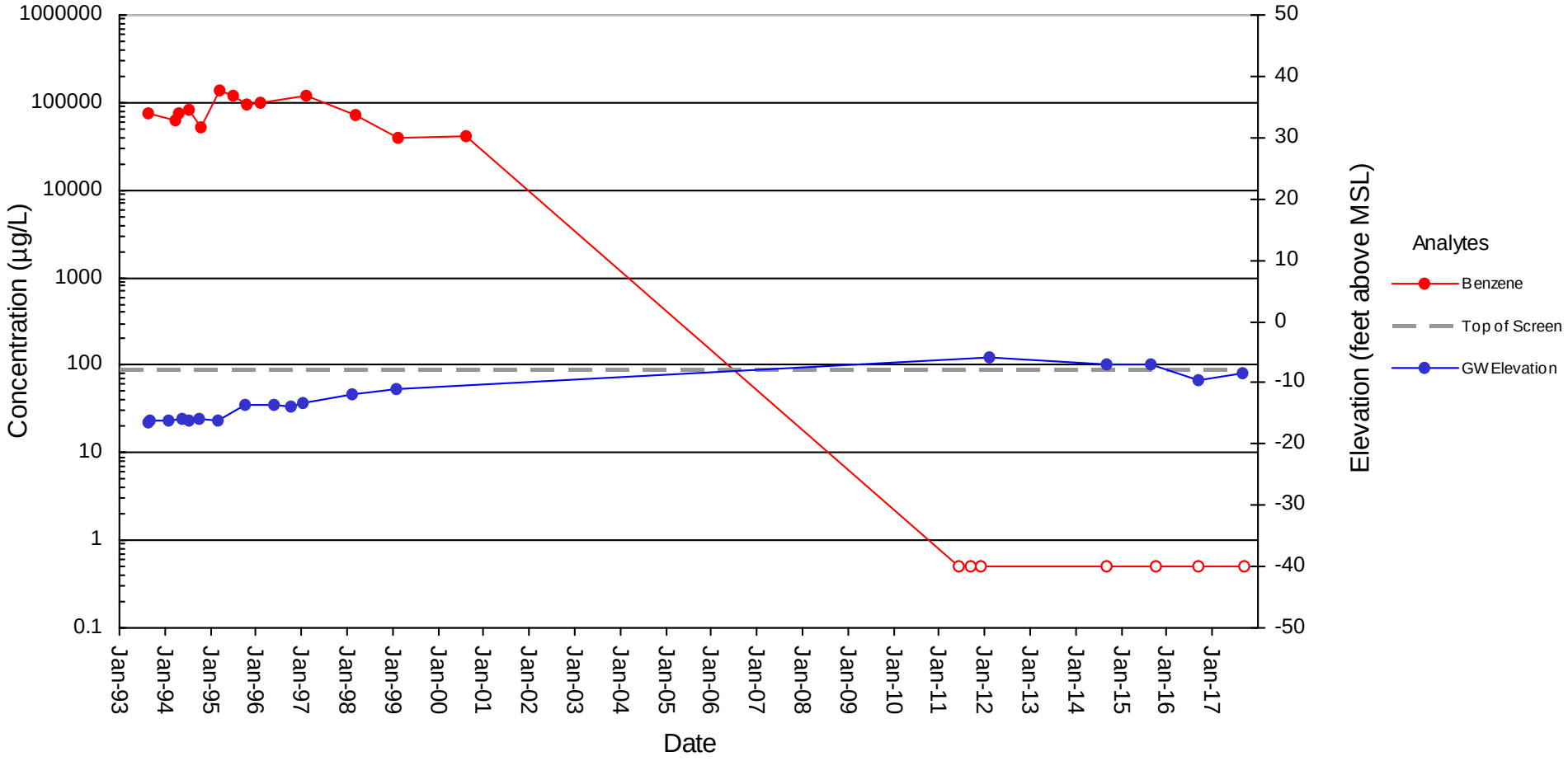
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0022)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



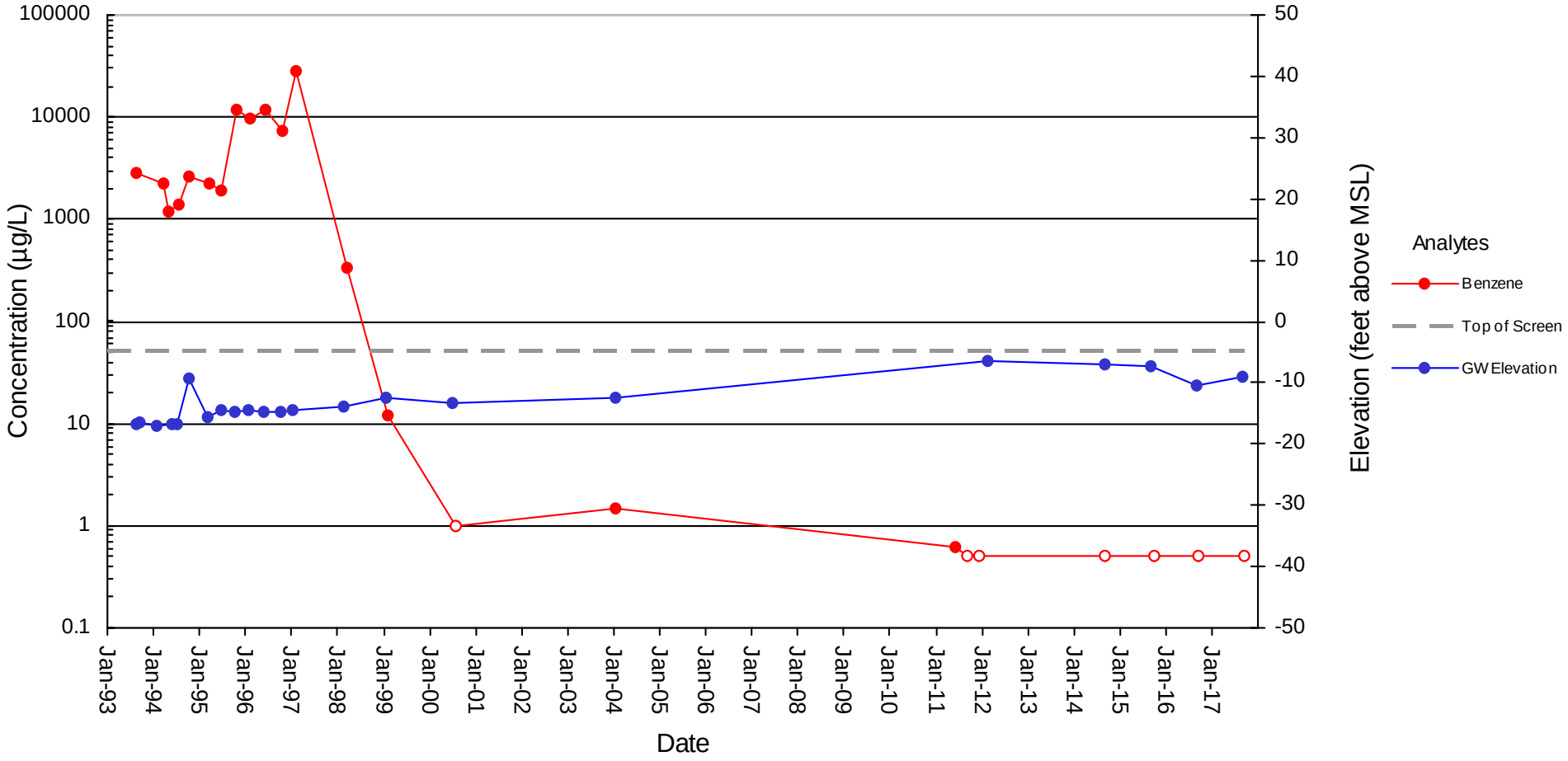
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0024)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



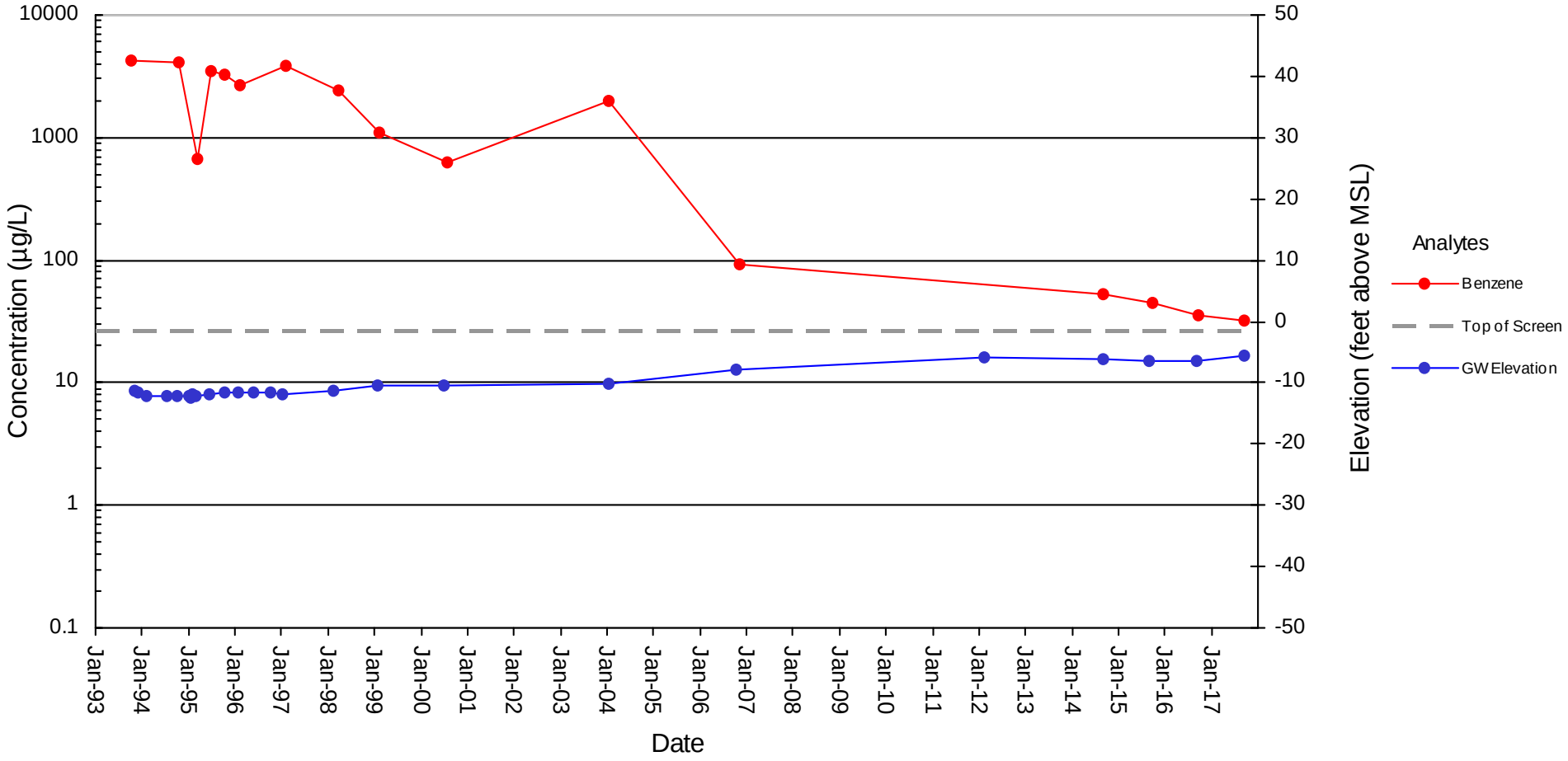
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0025)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



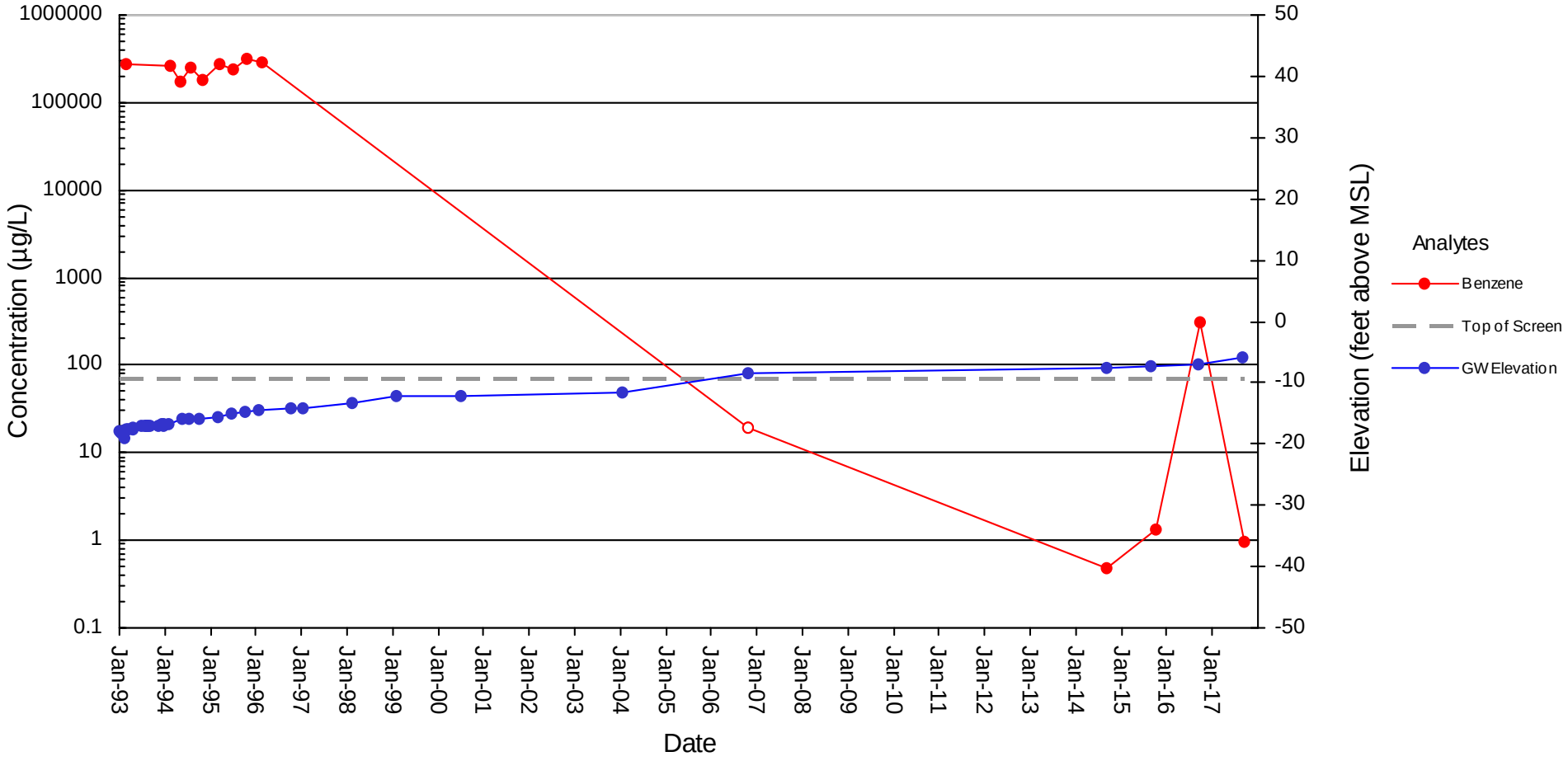
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well PZL0026)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



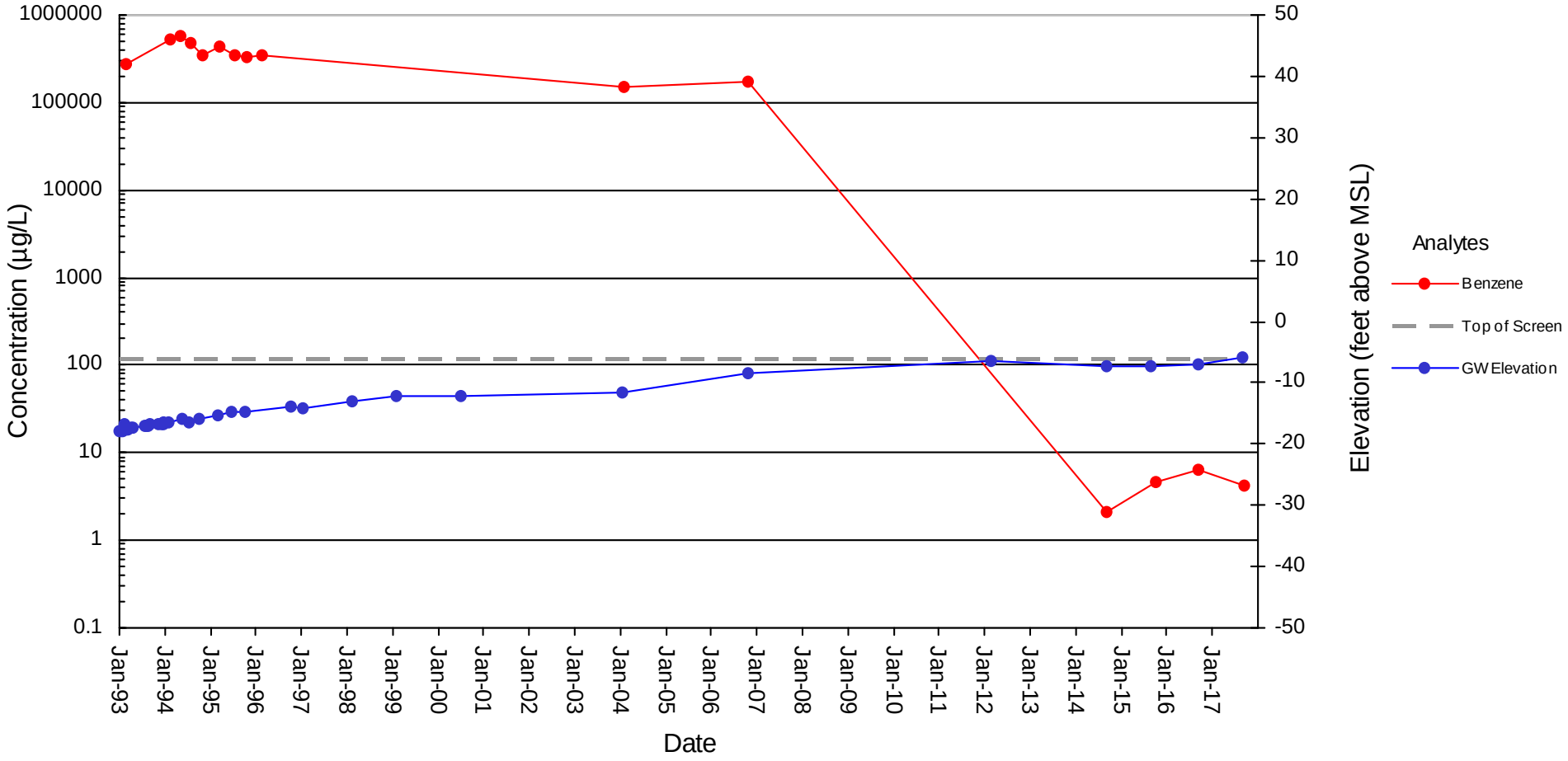
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0002)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



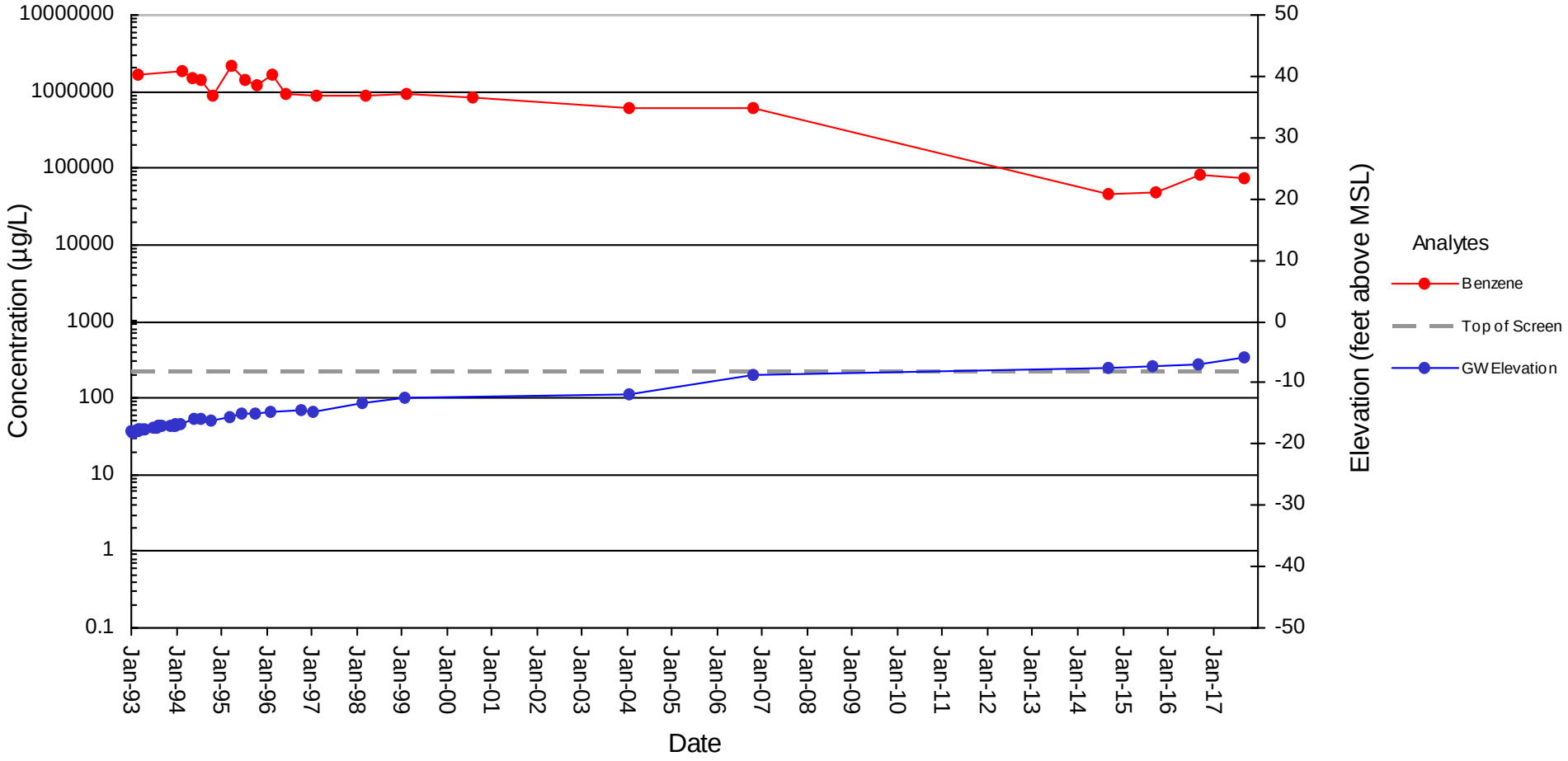
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0003)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



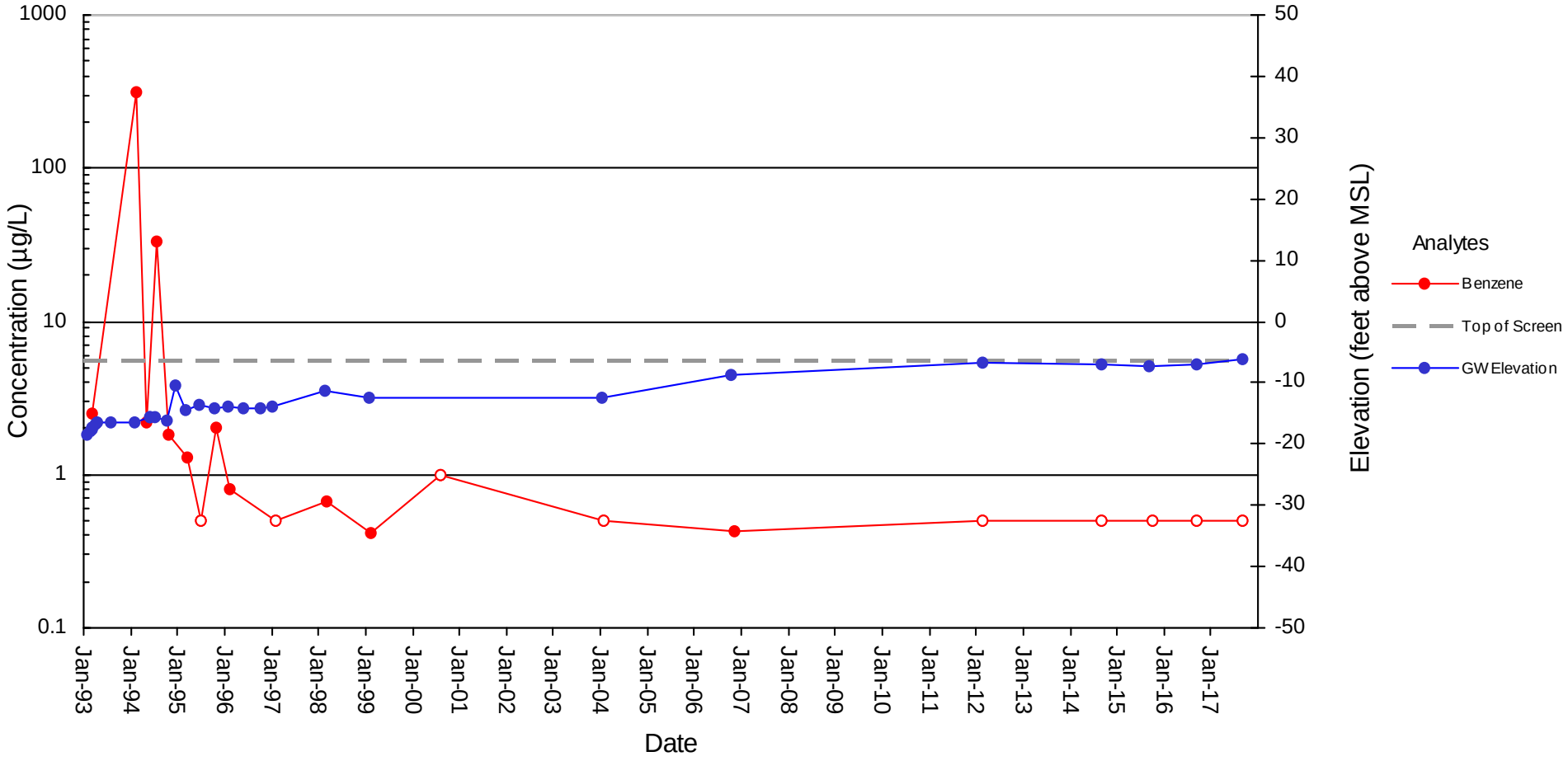
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0004)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



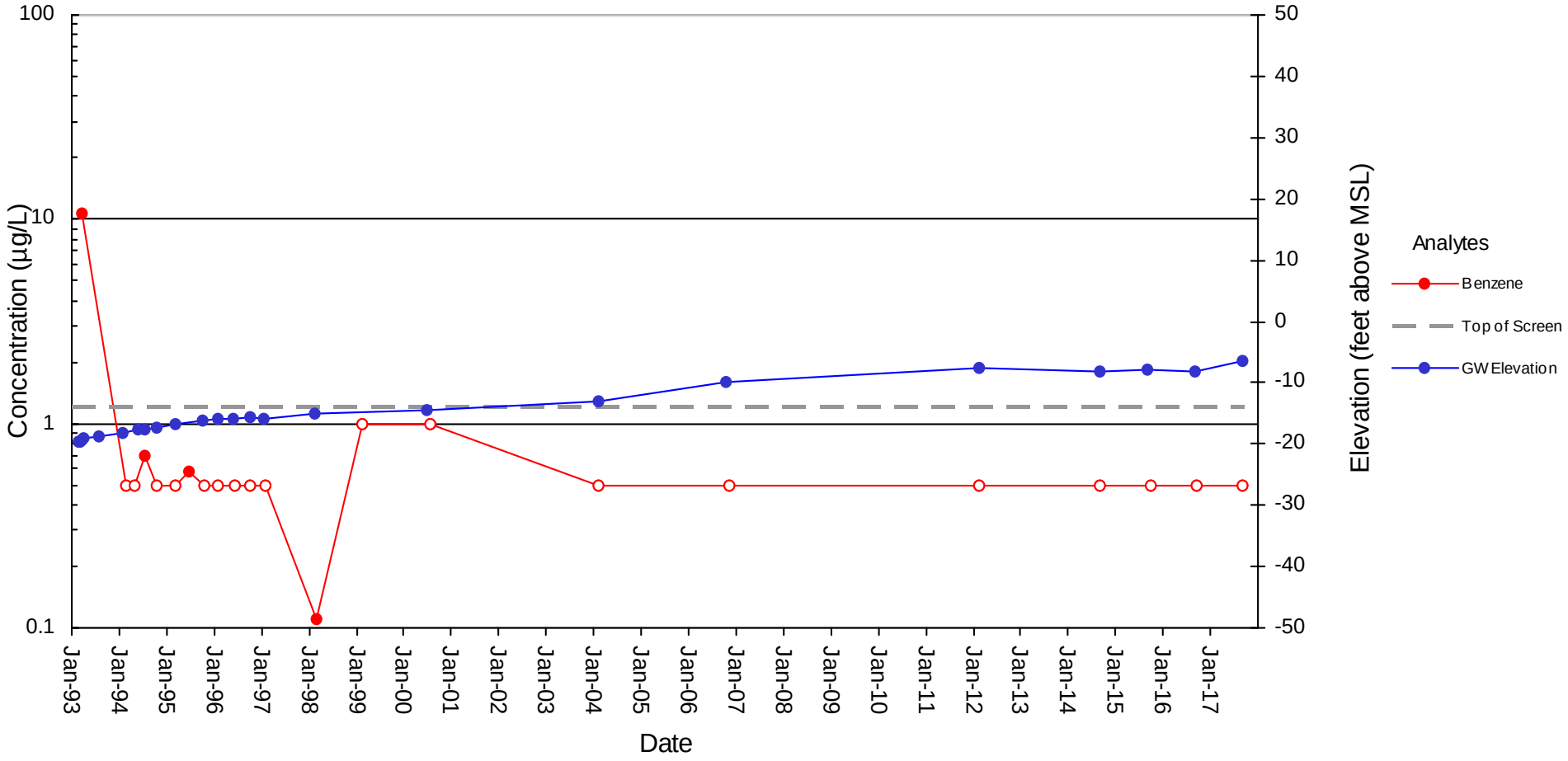
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0005)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



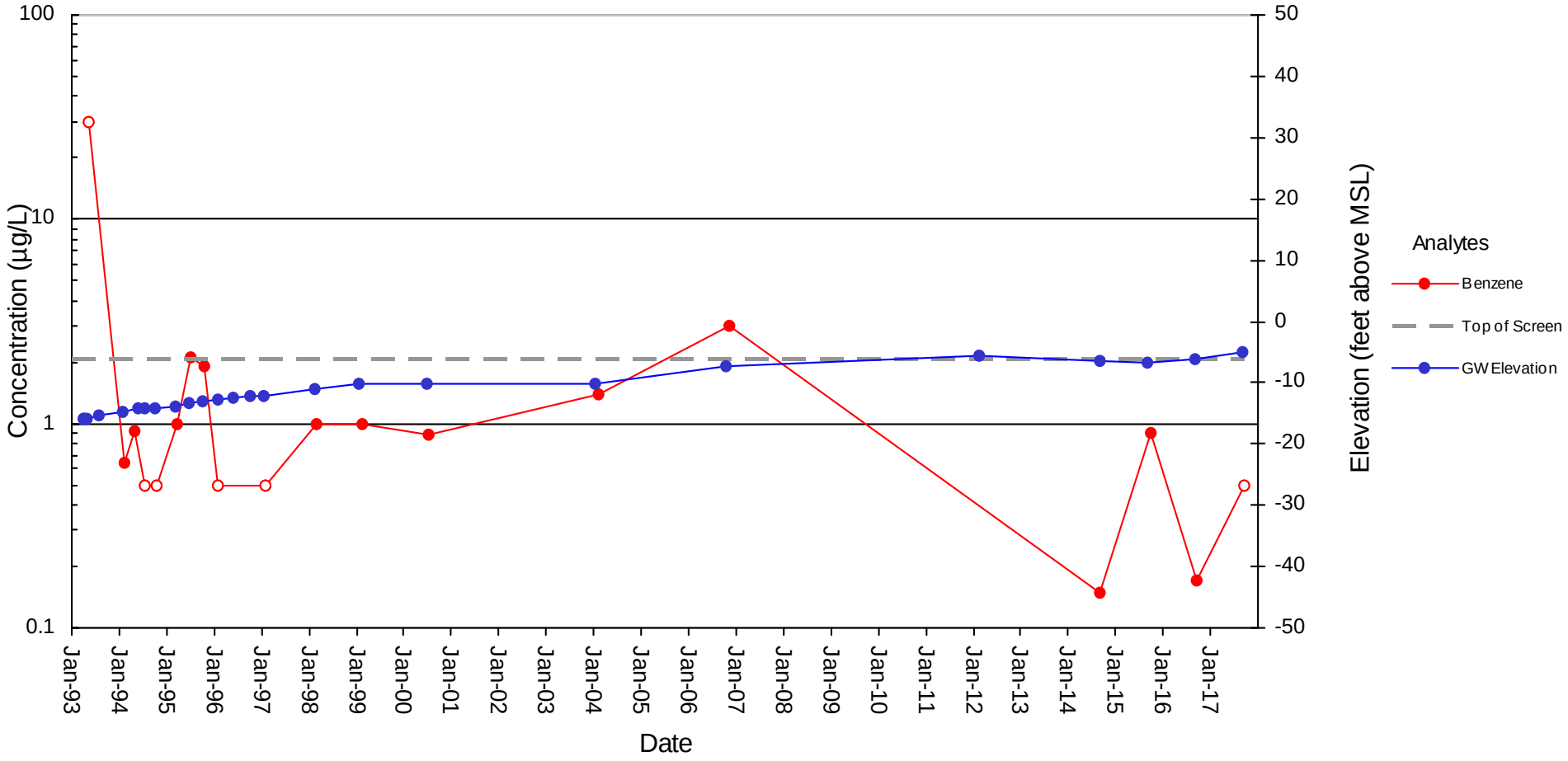
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0006)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



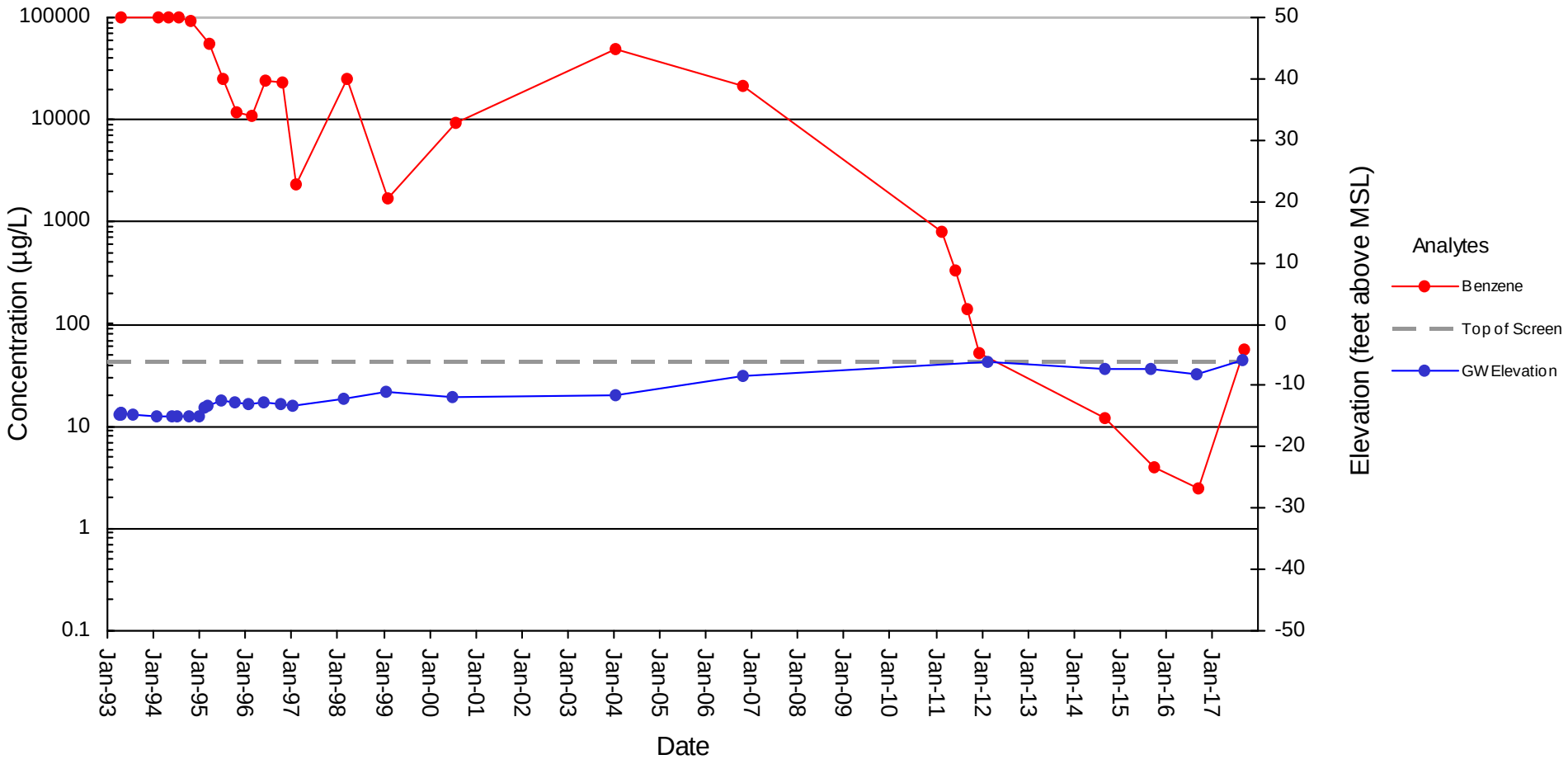
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0007)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



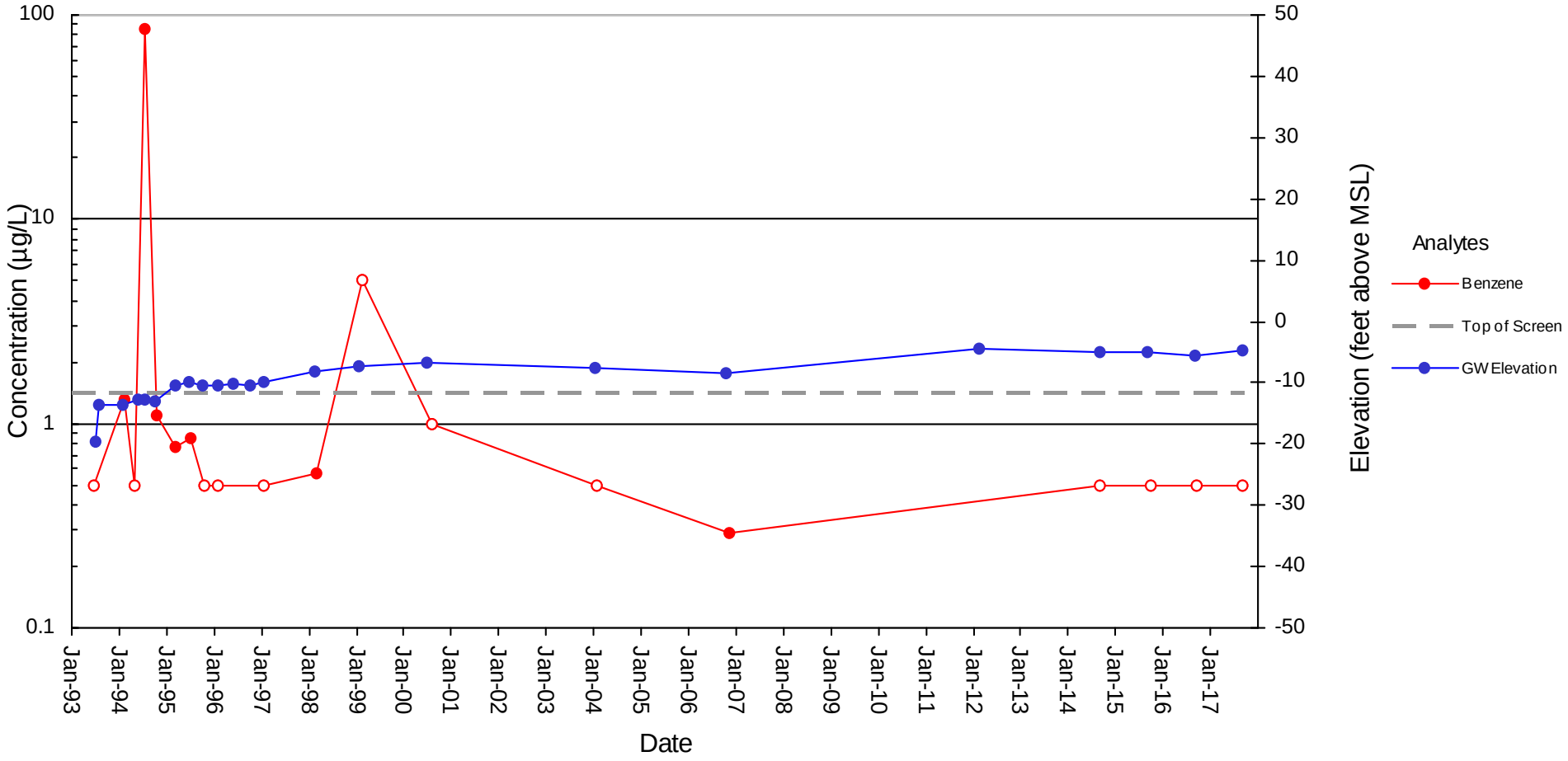
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0008)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



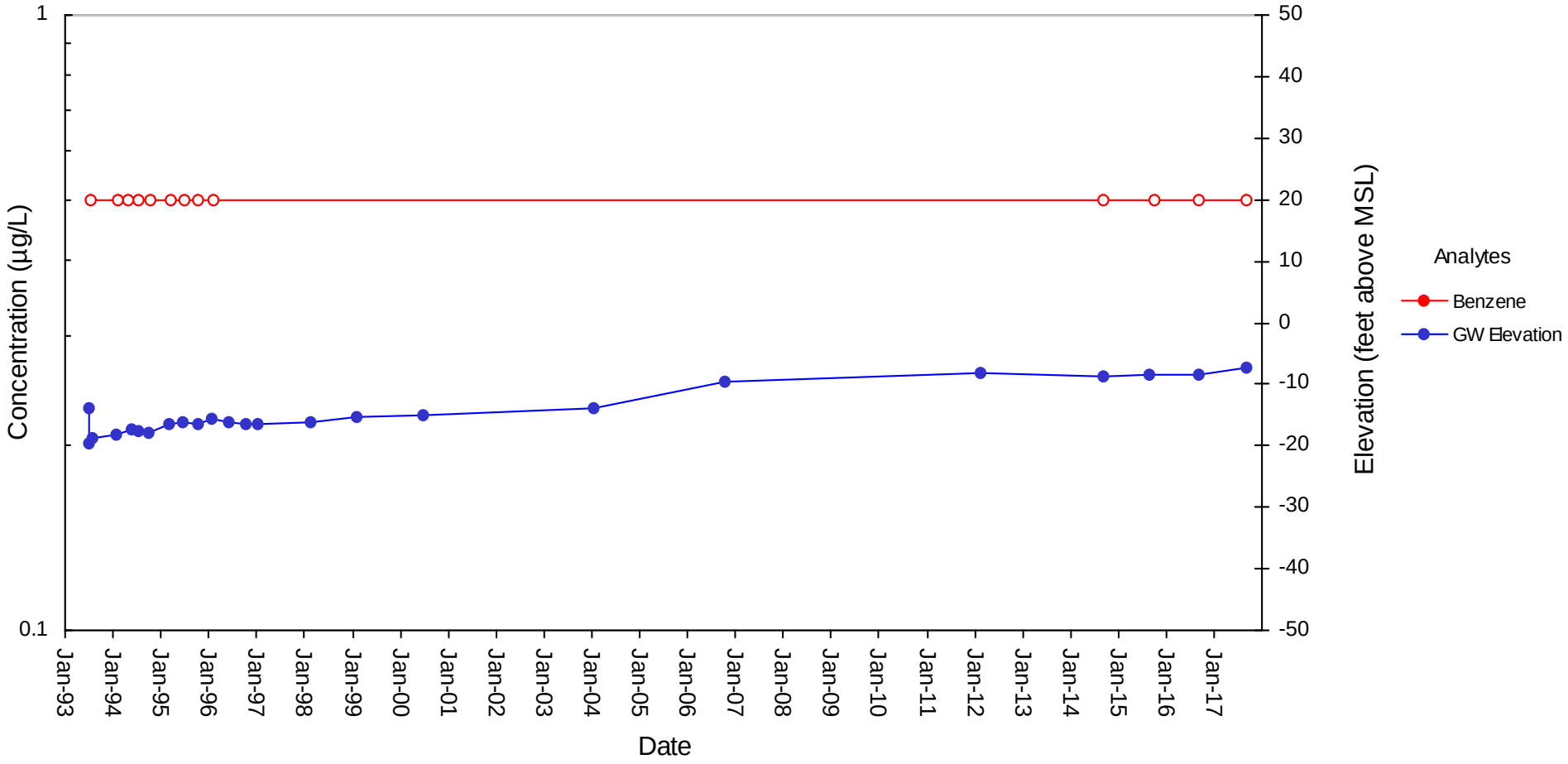
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0009)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



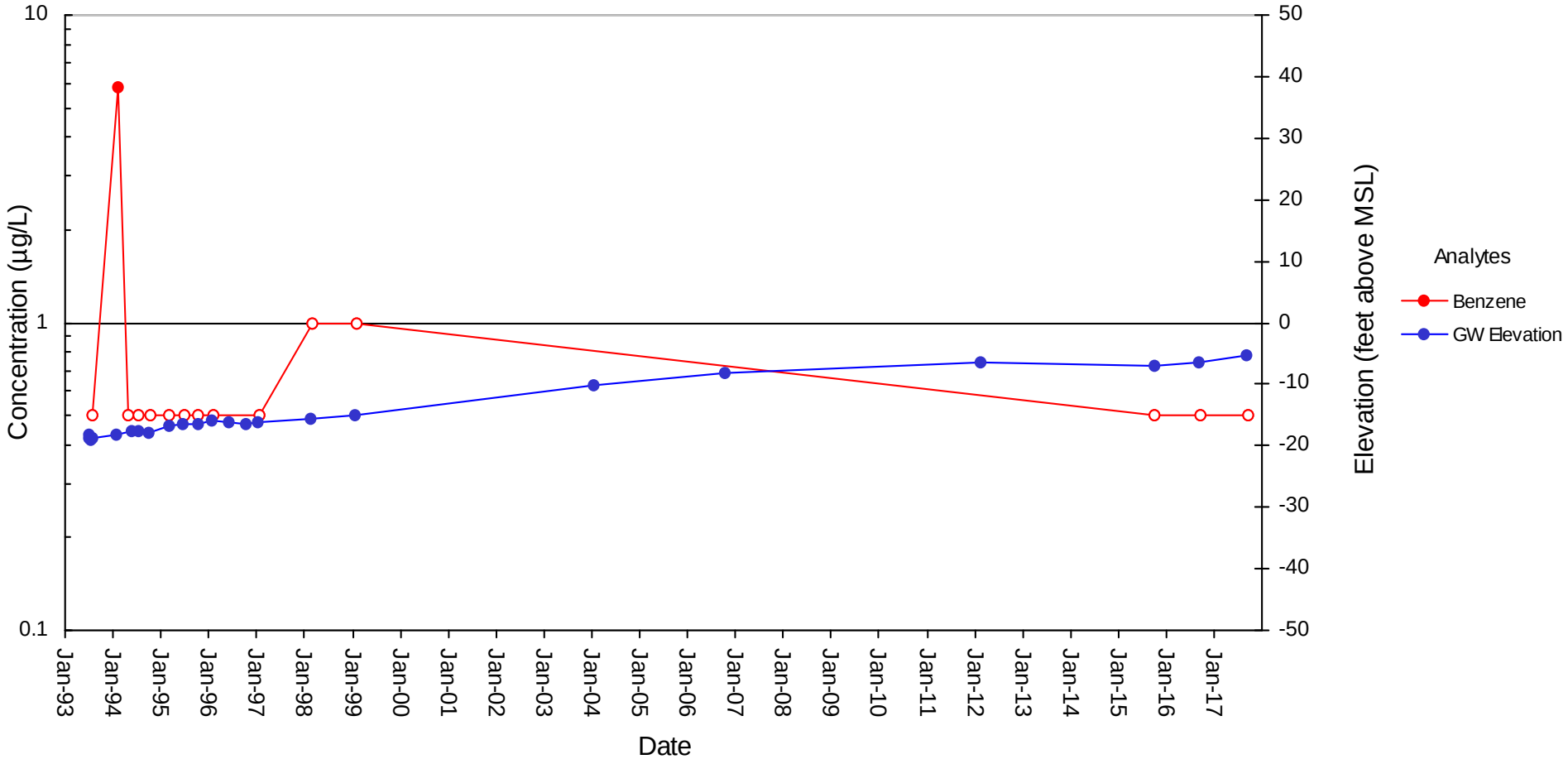
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0010)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



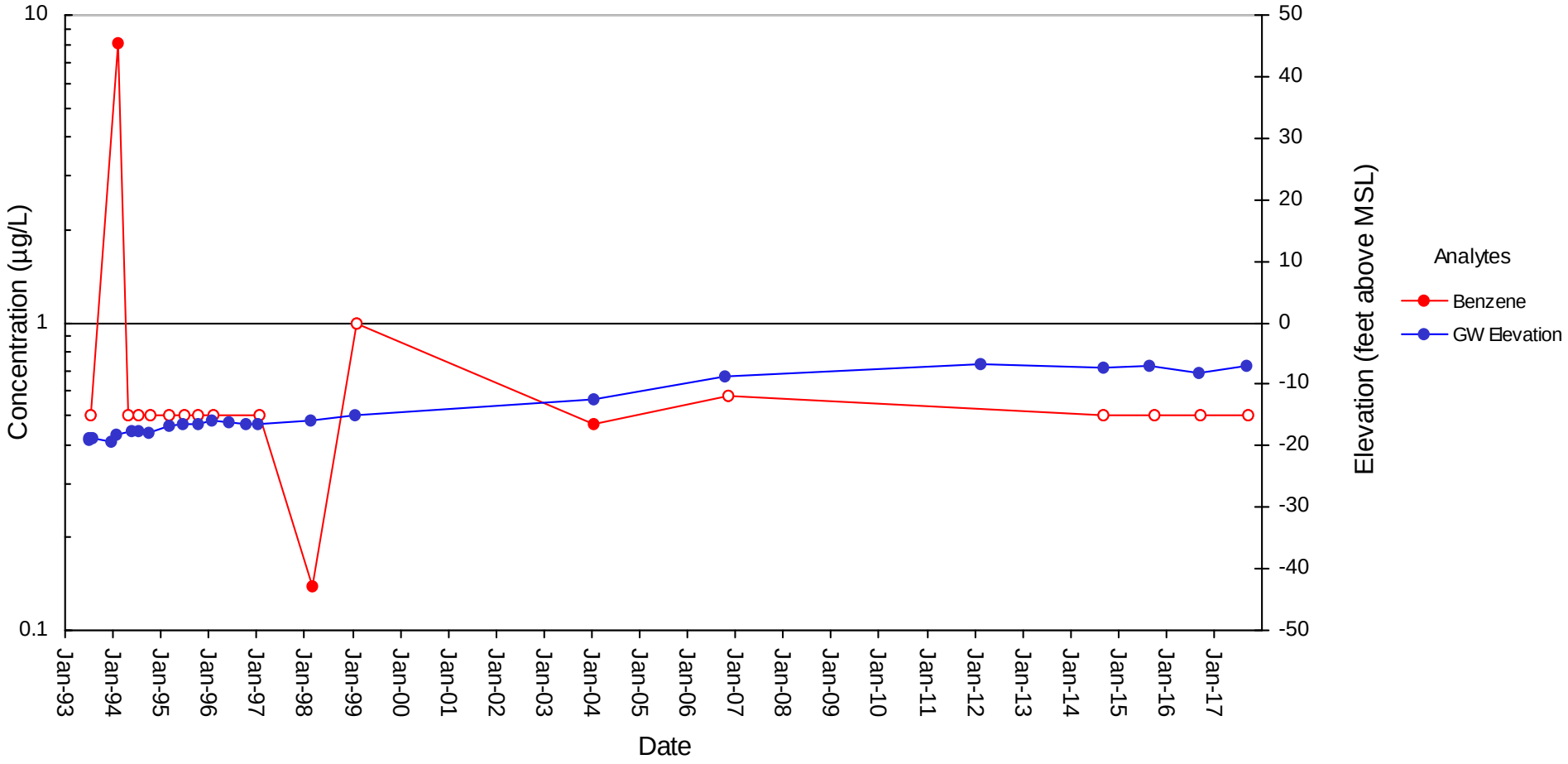
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0011)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



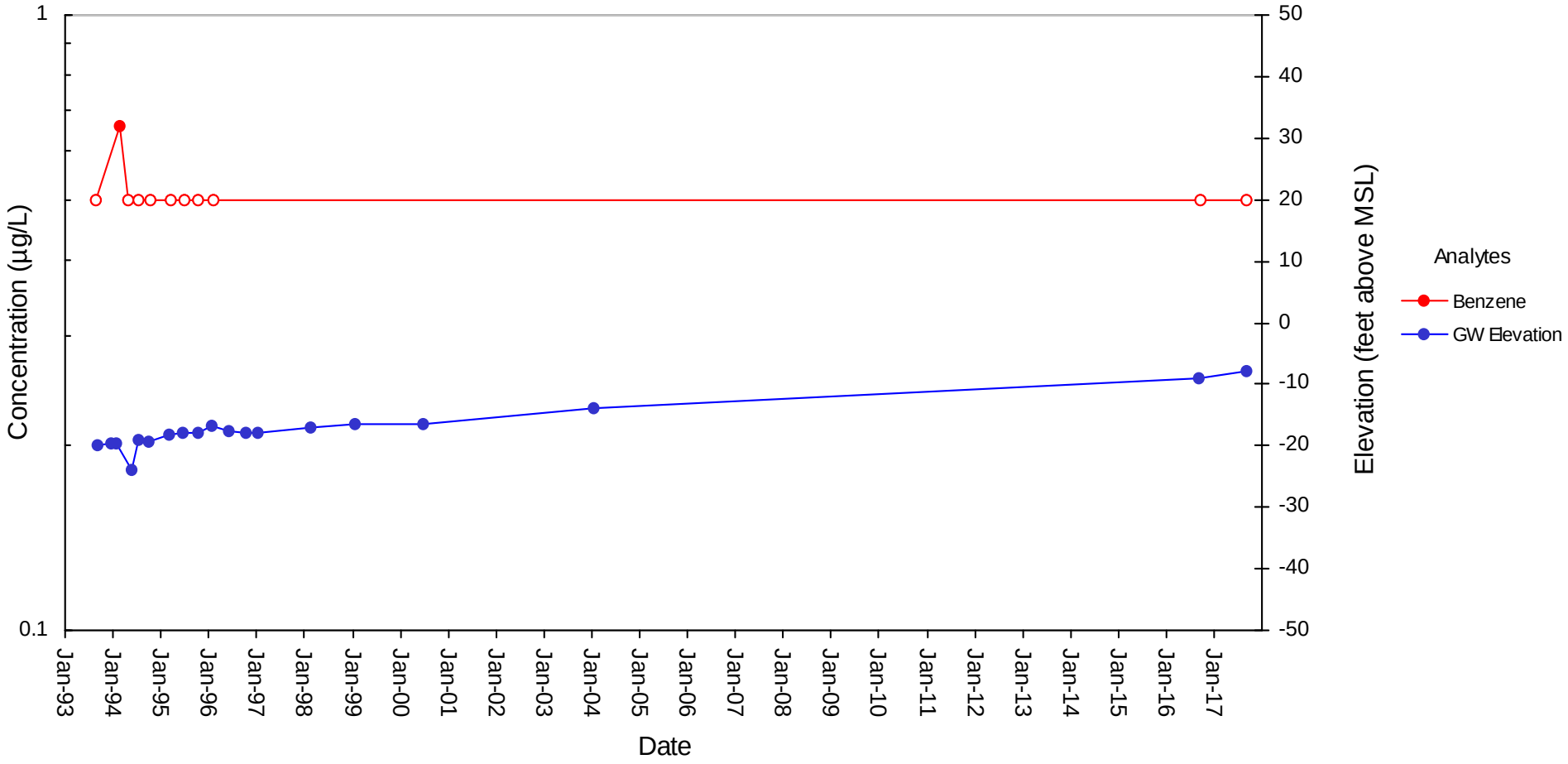
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0013)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



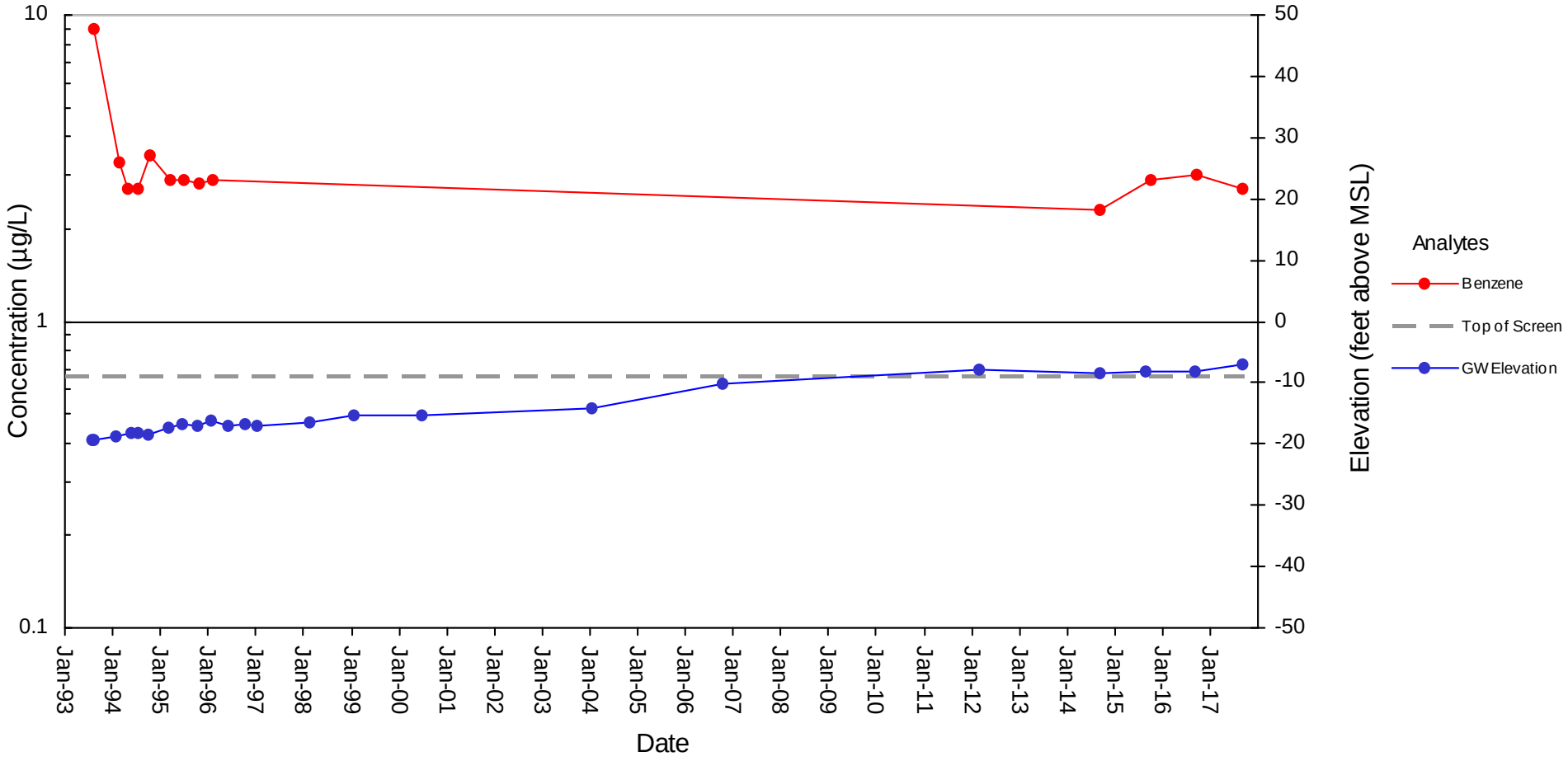
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0014)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



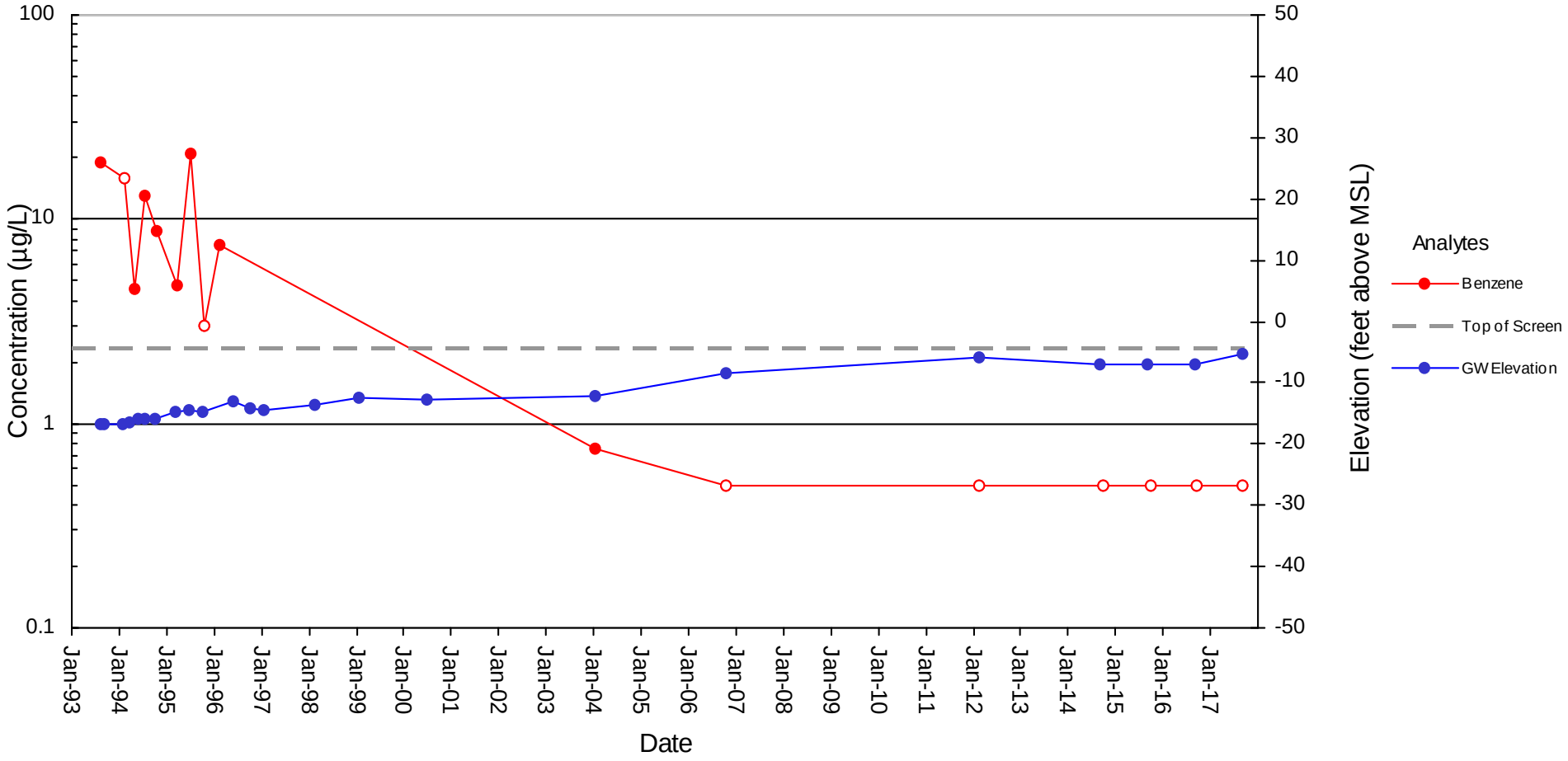
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0015)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



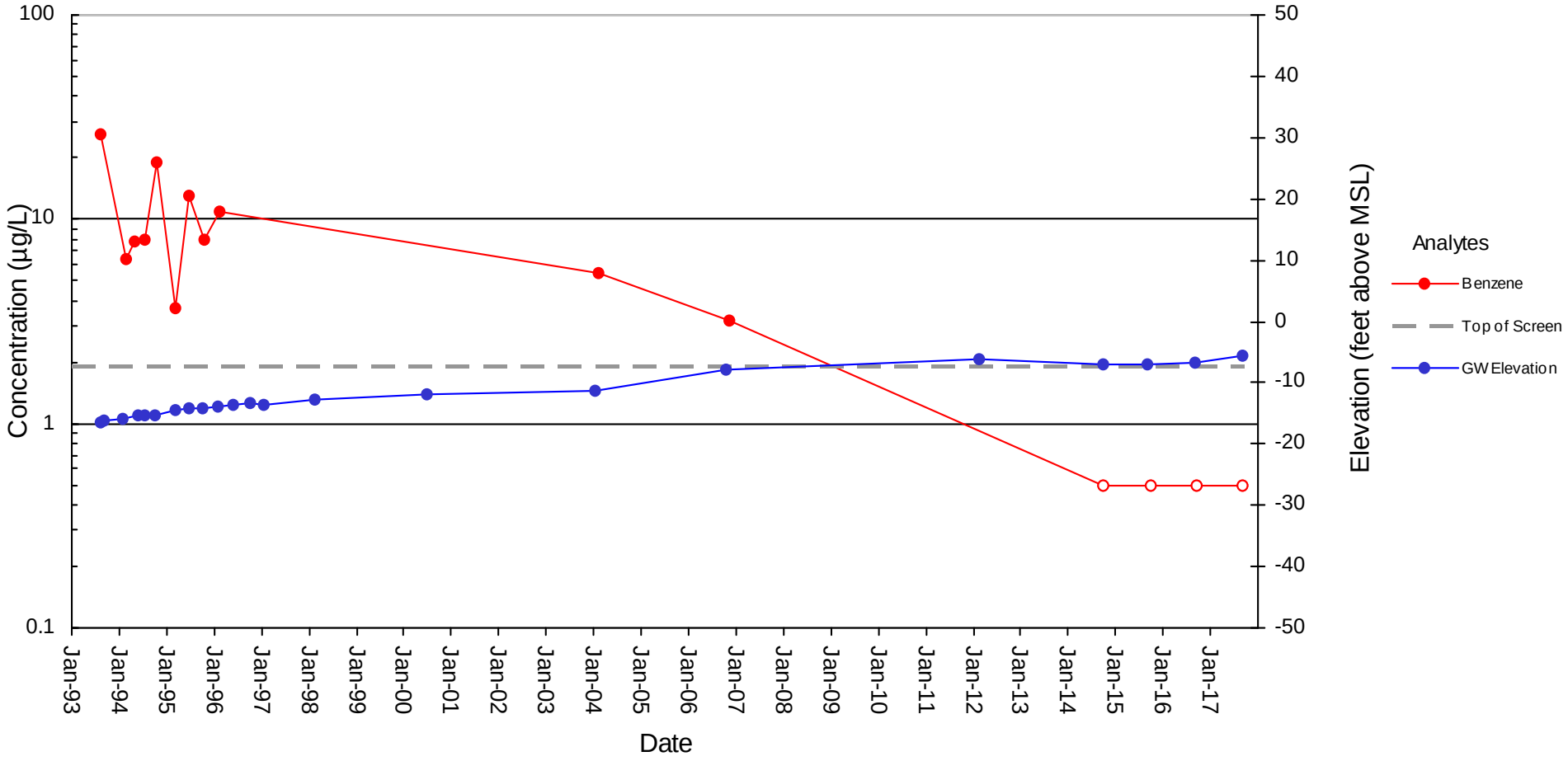
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0016)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



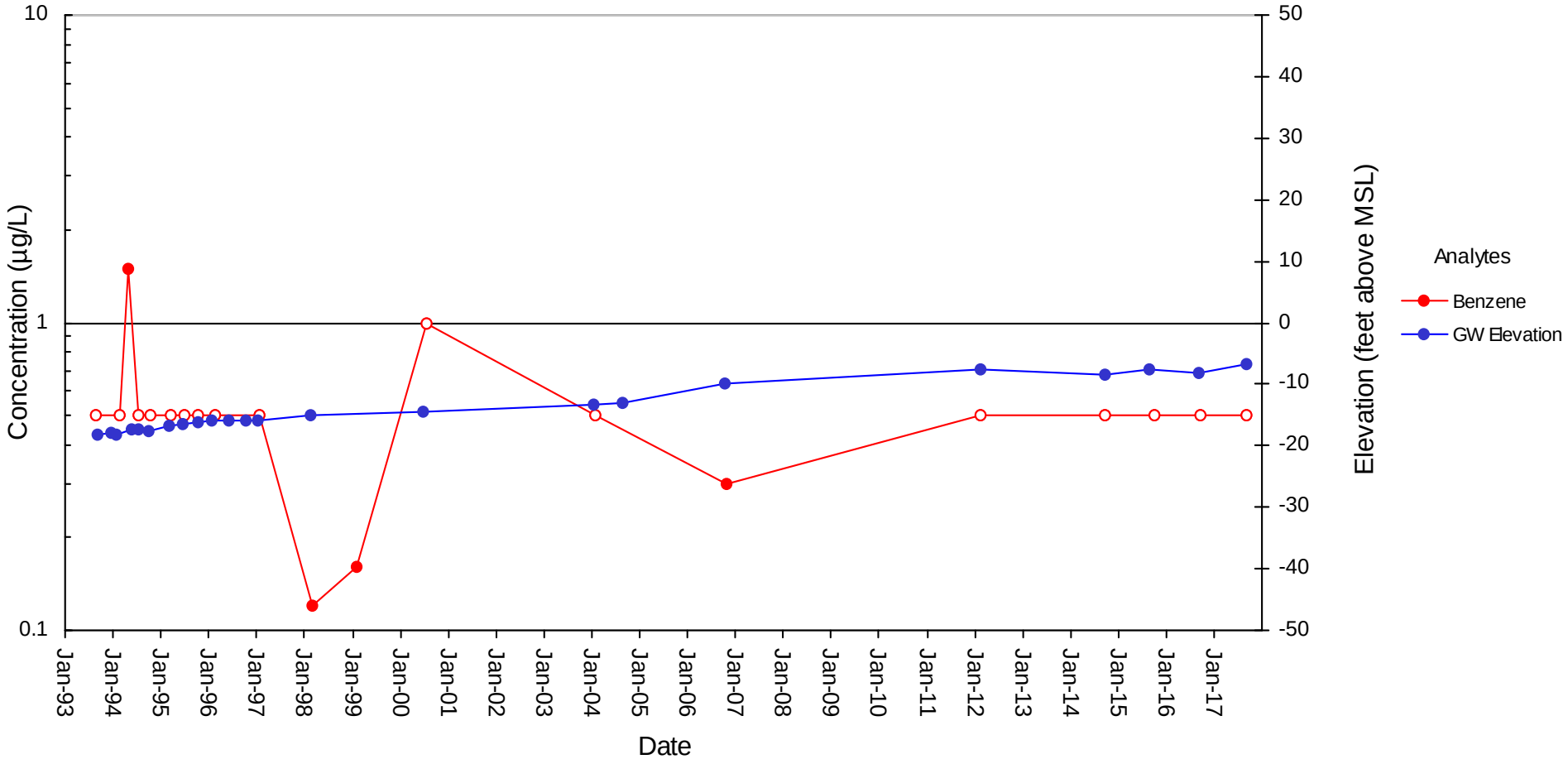
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0017)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



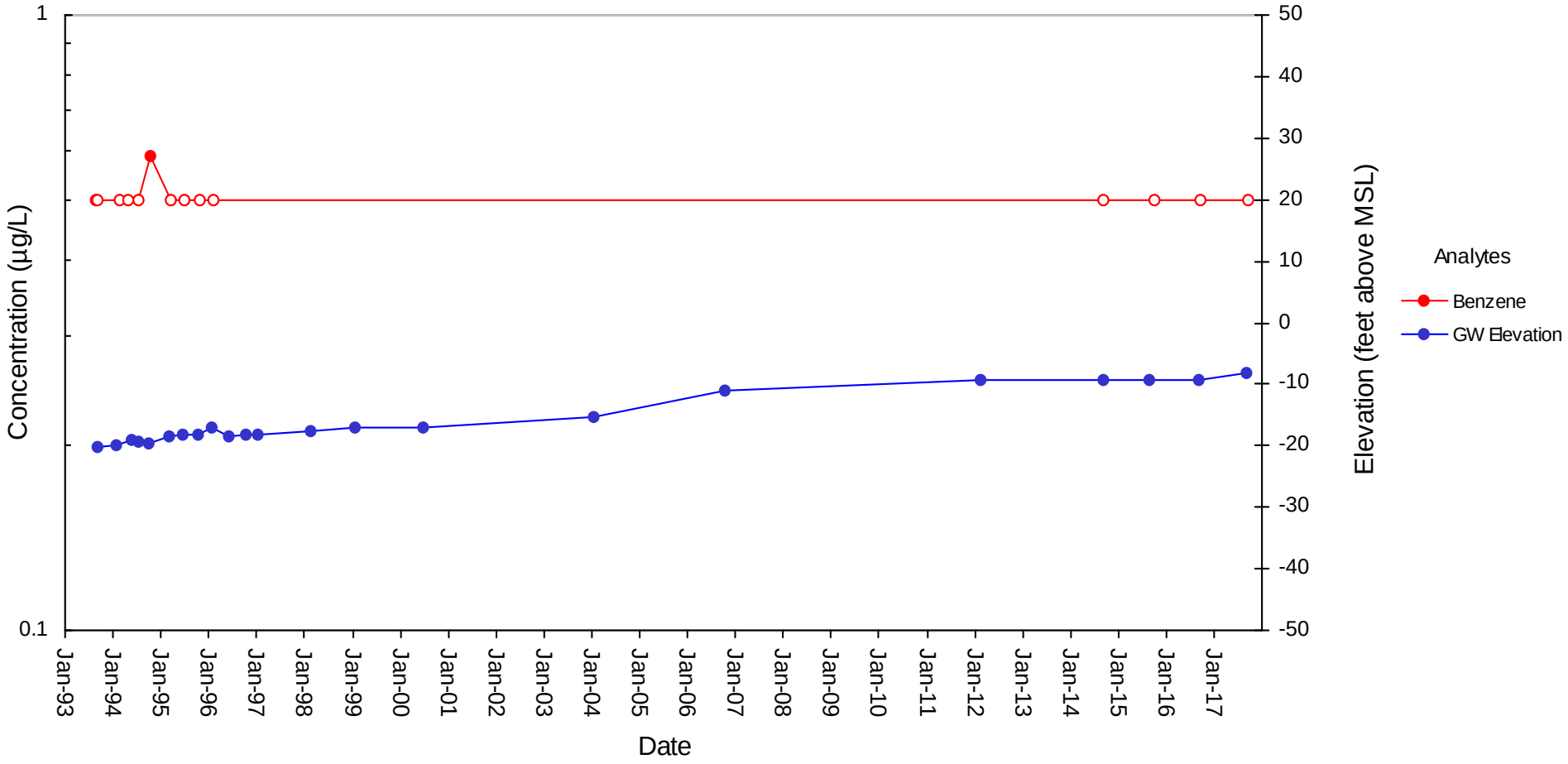
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0018)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



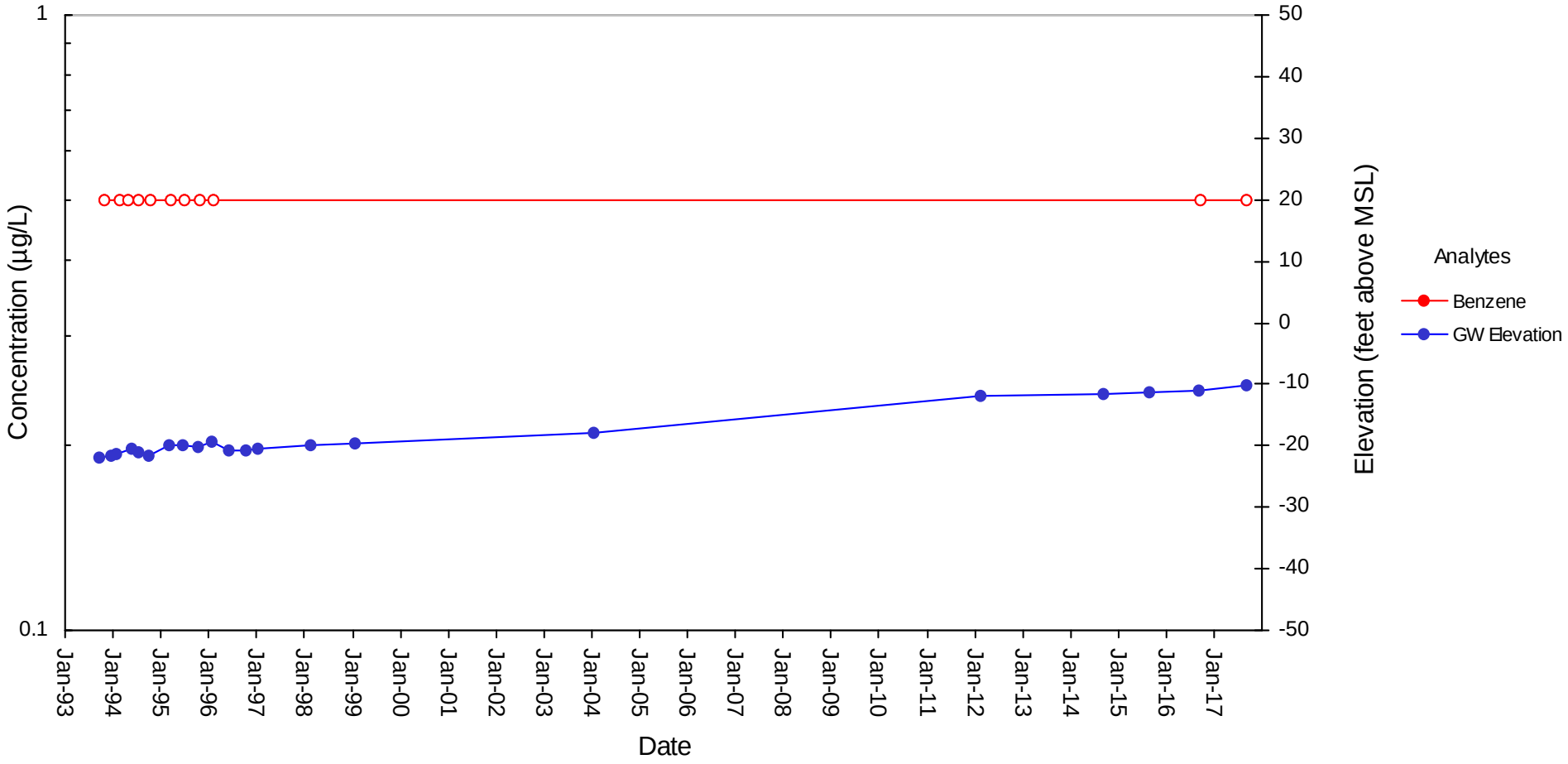
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0019)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



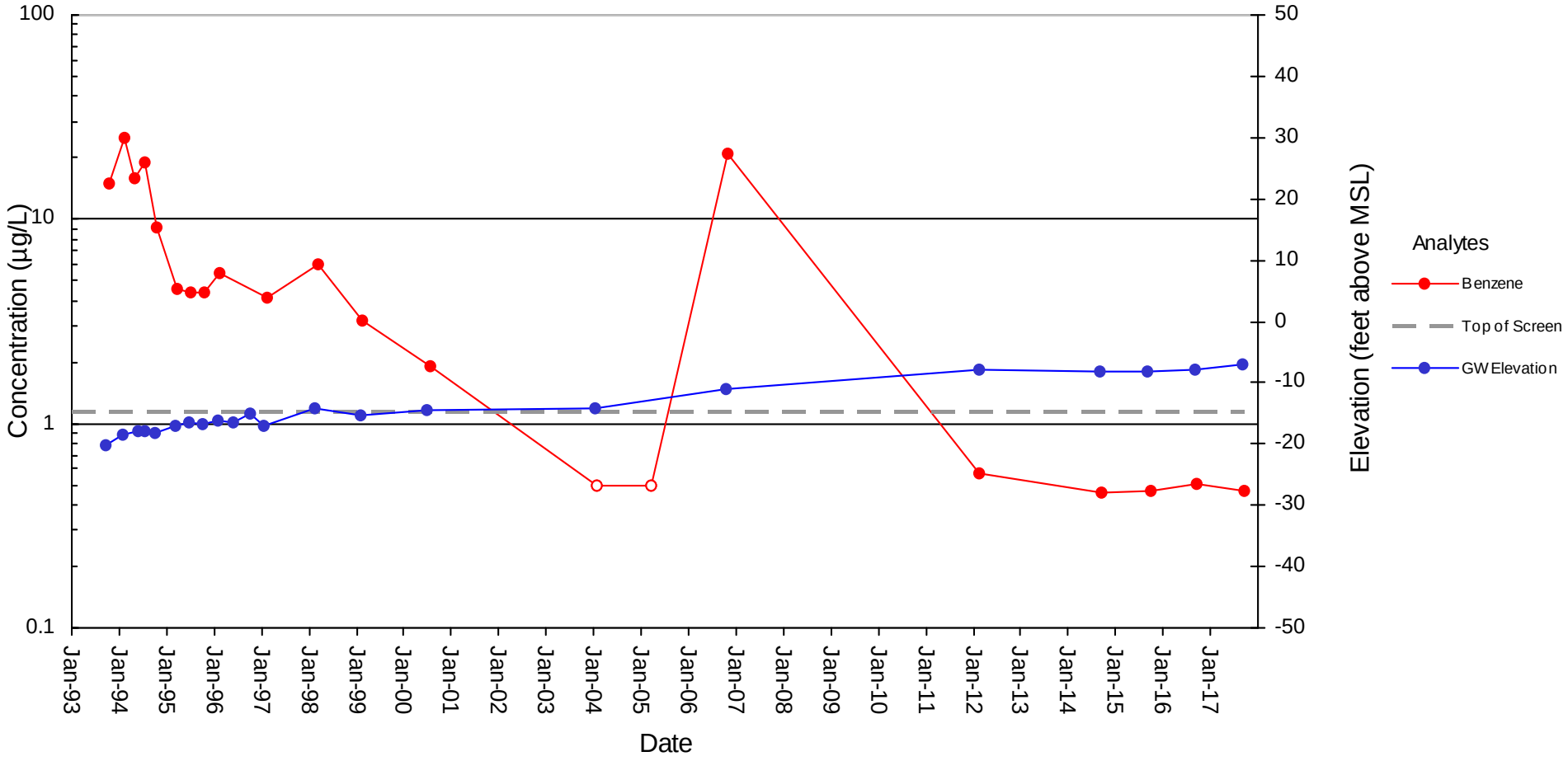
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0020)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



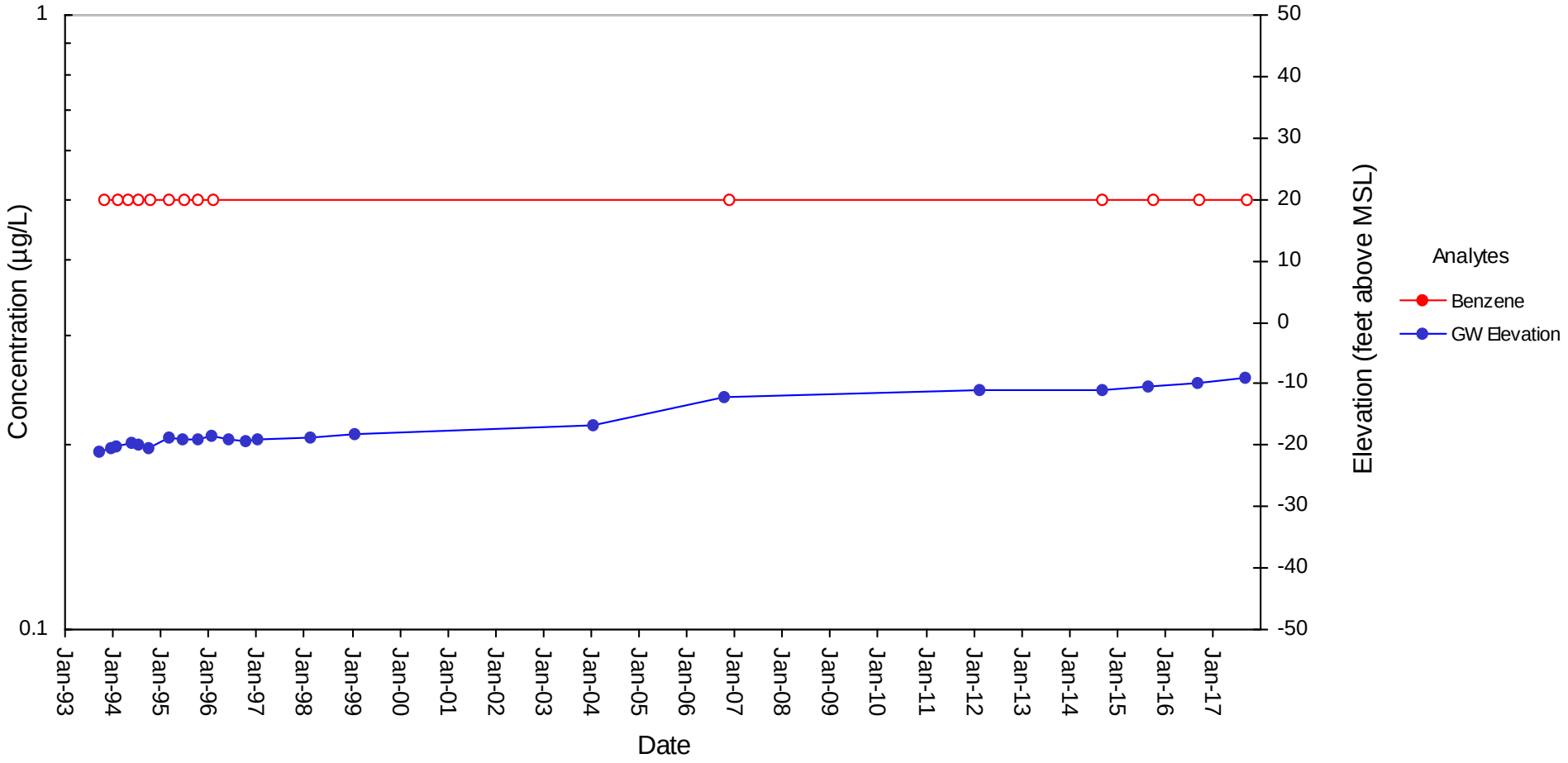
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0021)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



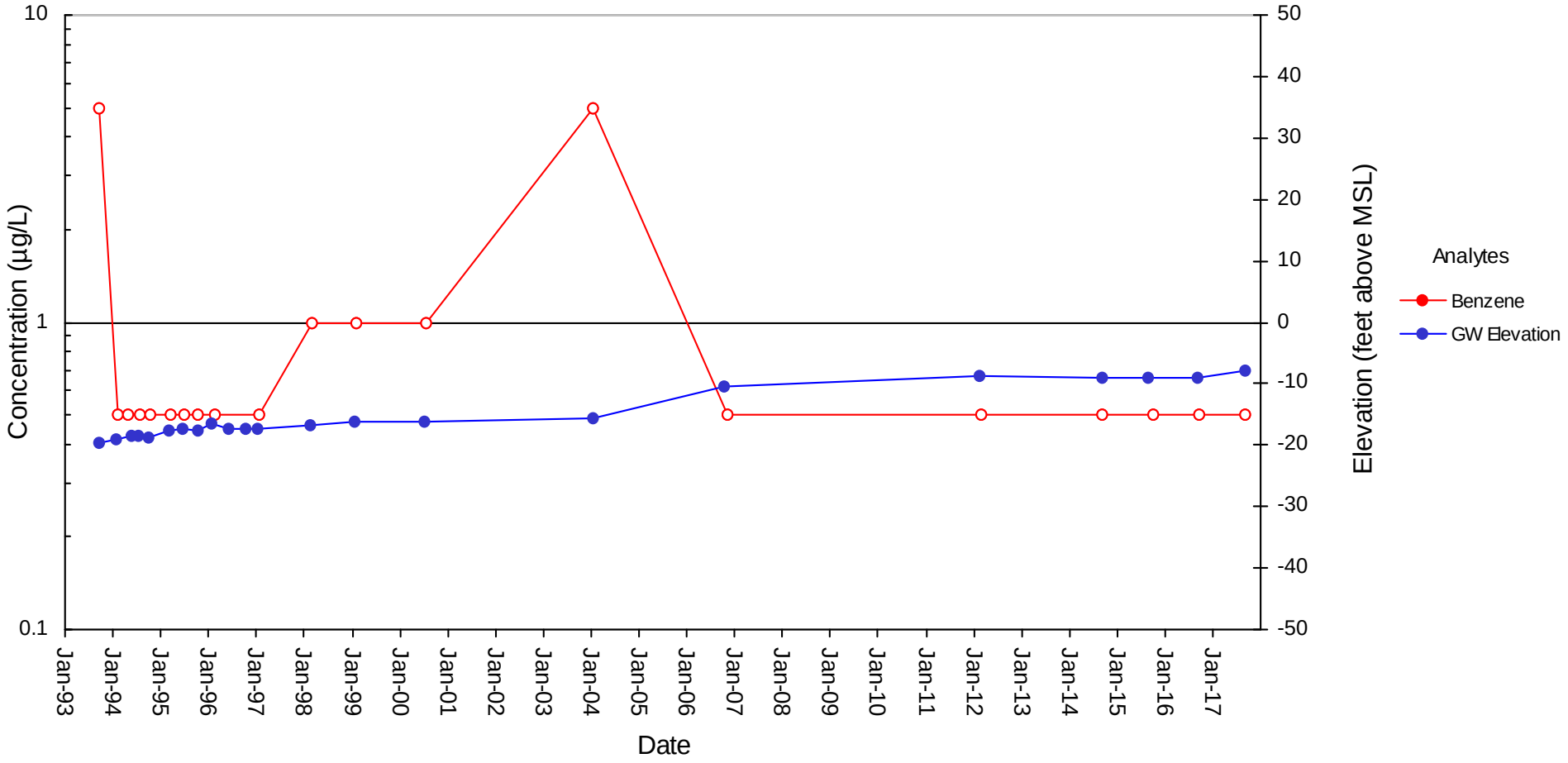
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0022)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



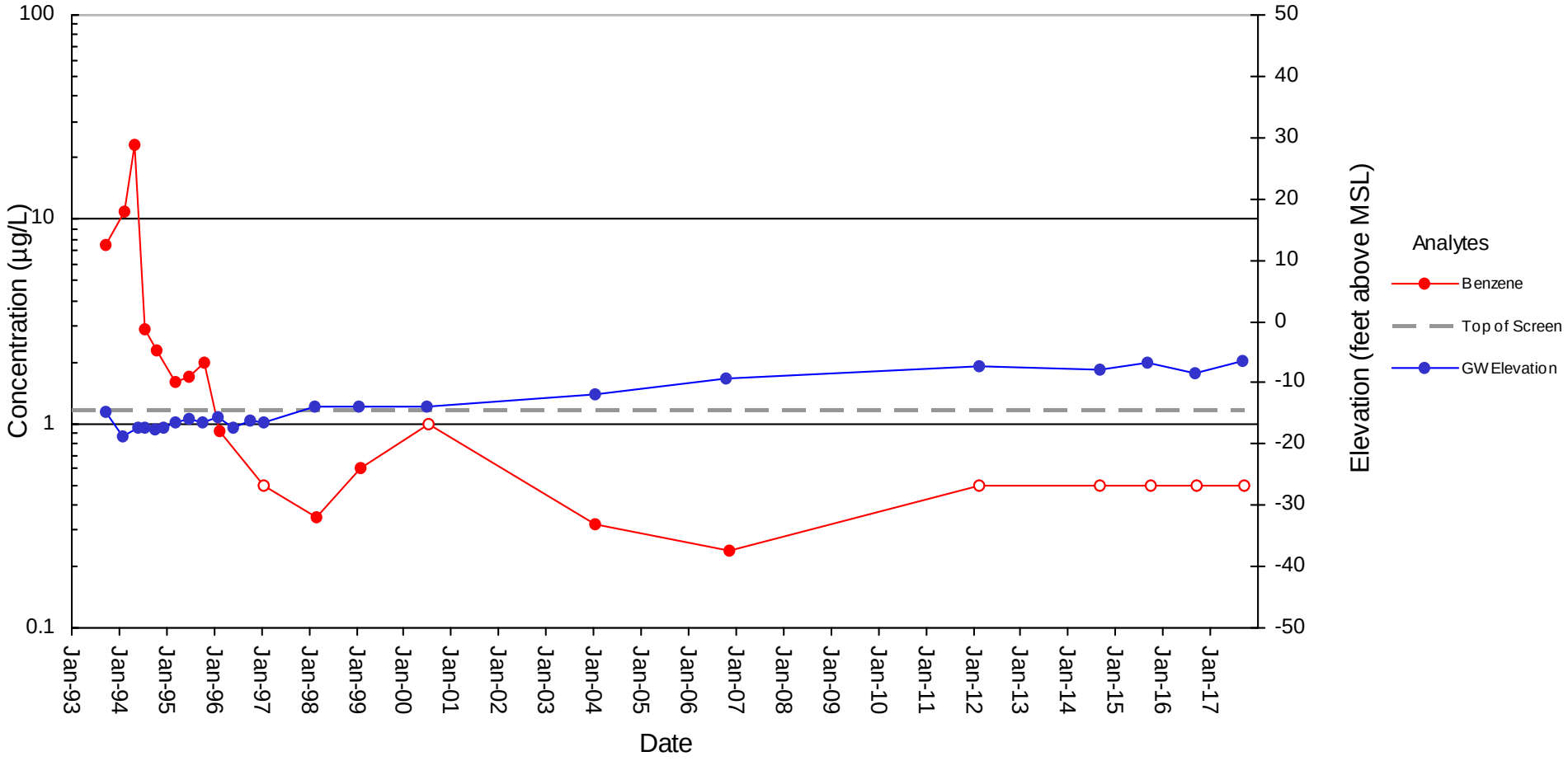
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0023)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



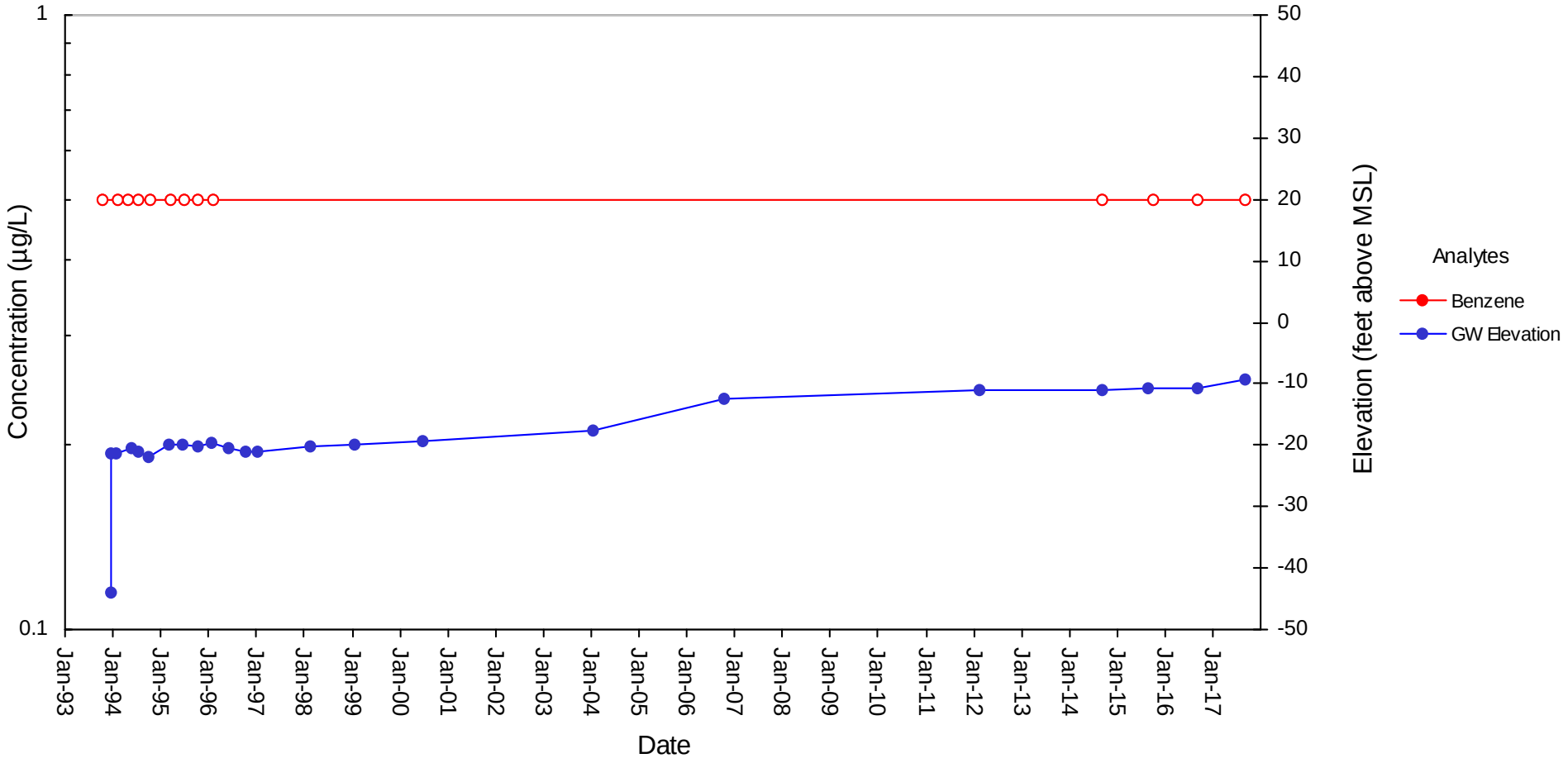
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0024)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



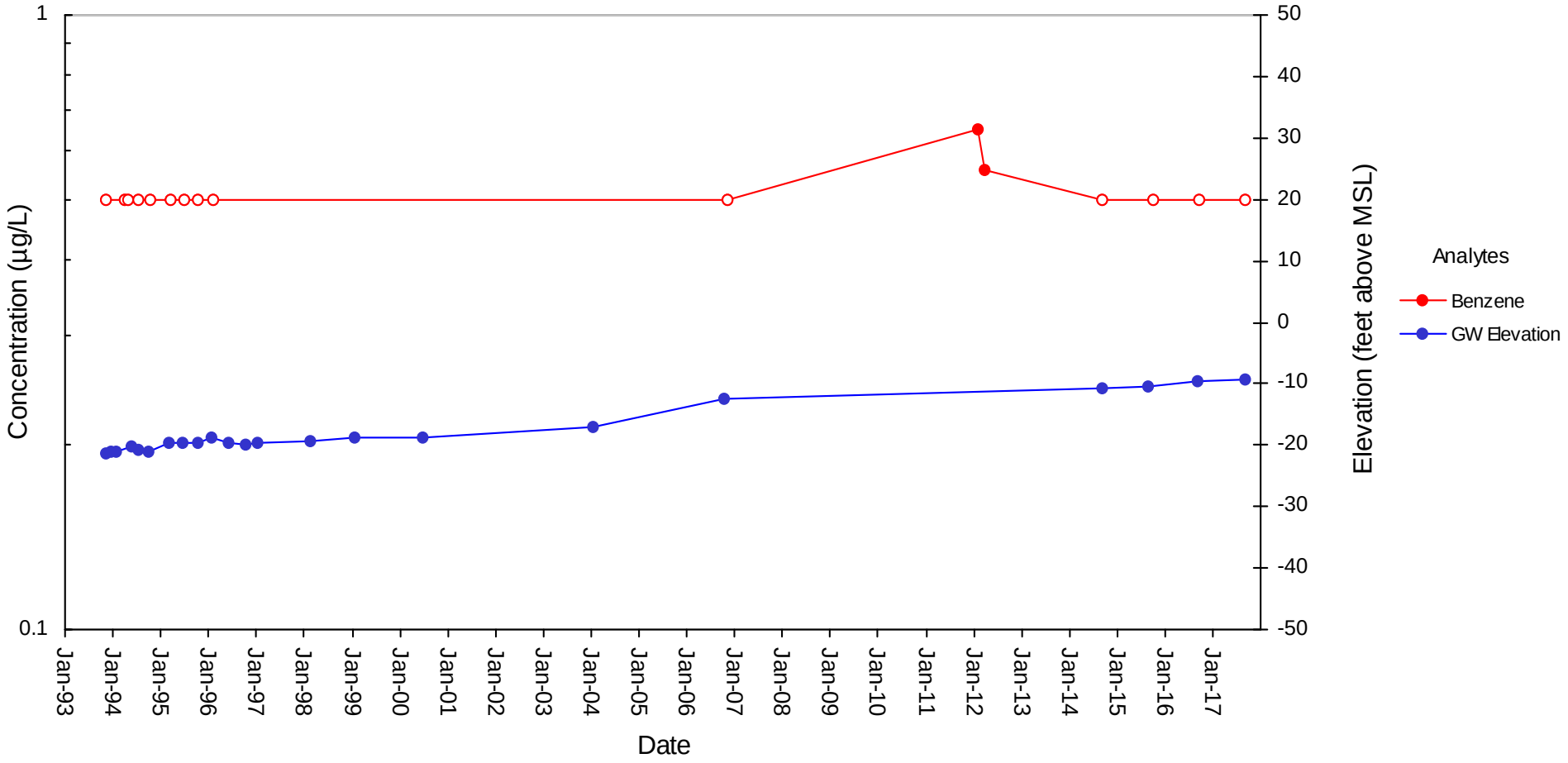
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0025)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



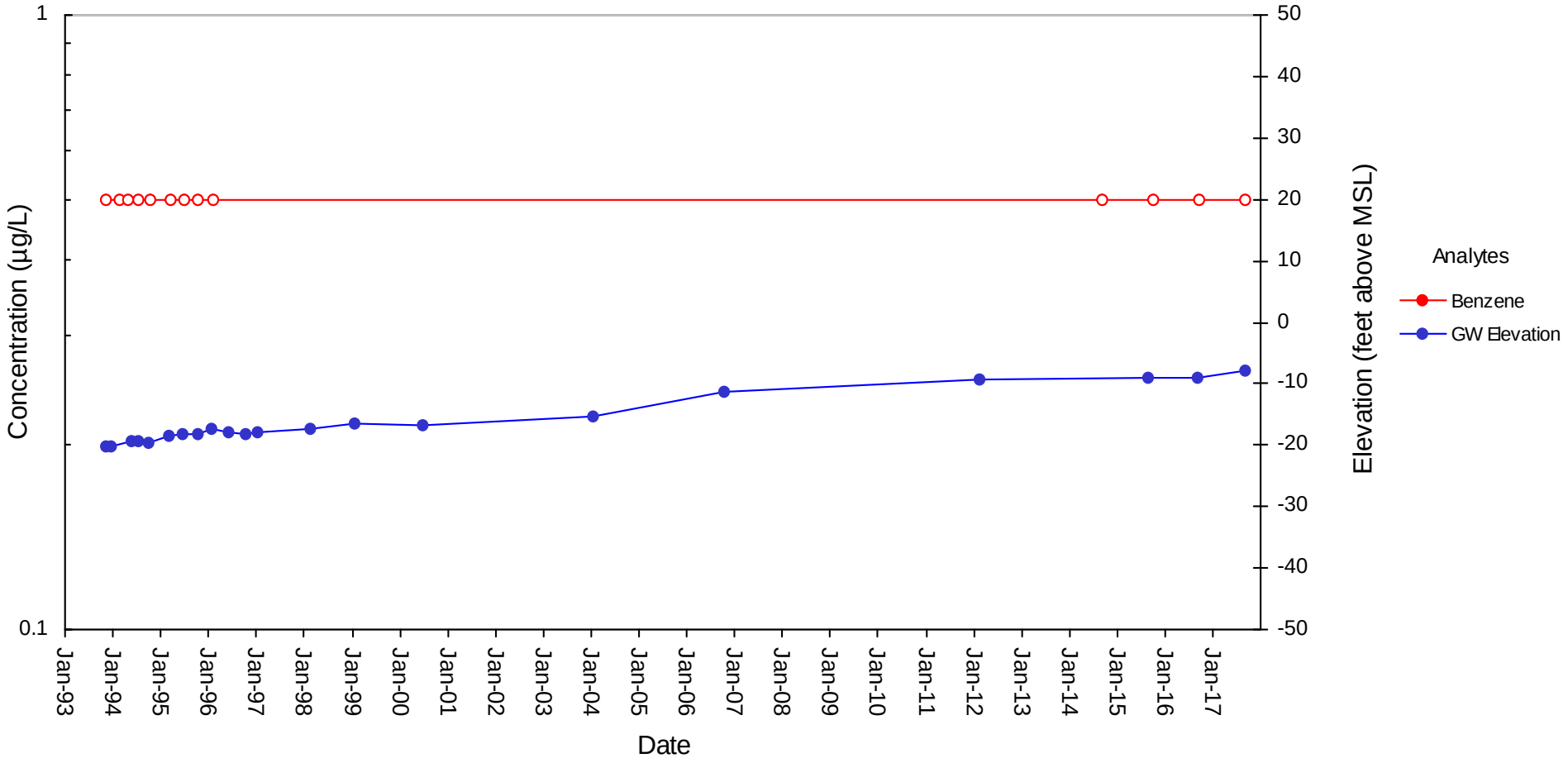
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0026)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



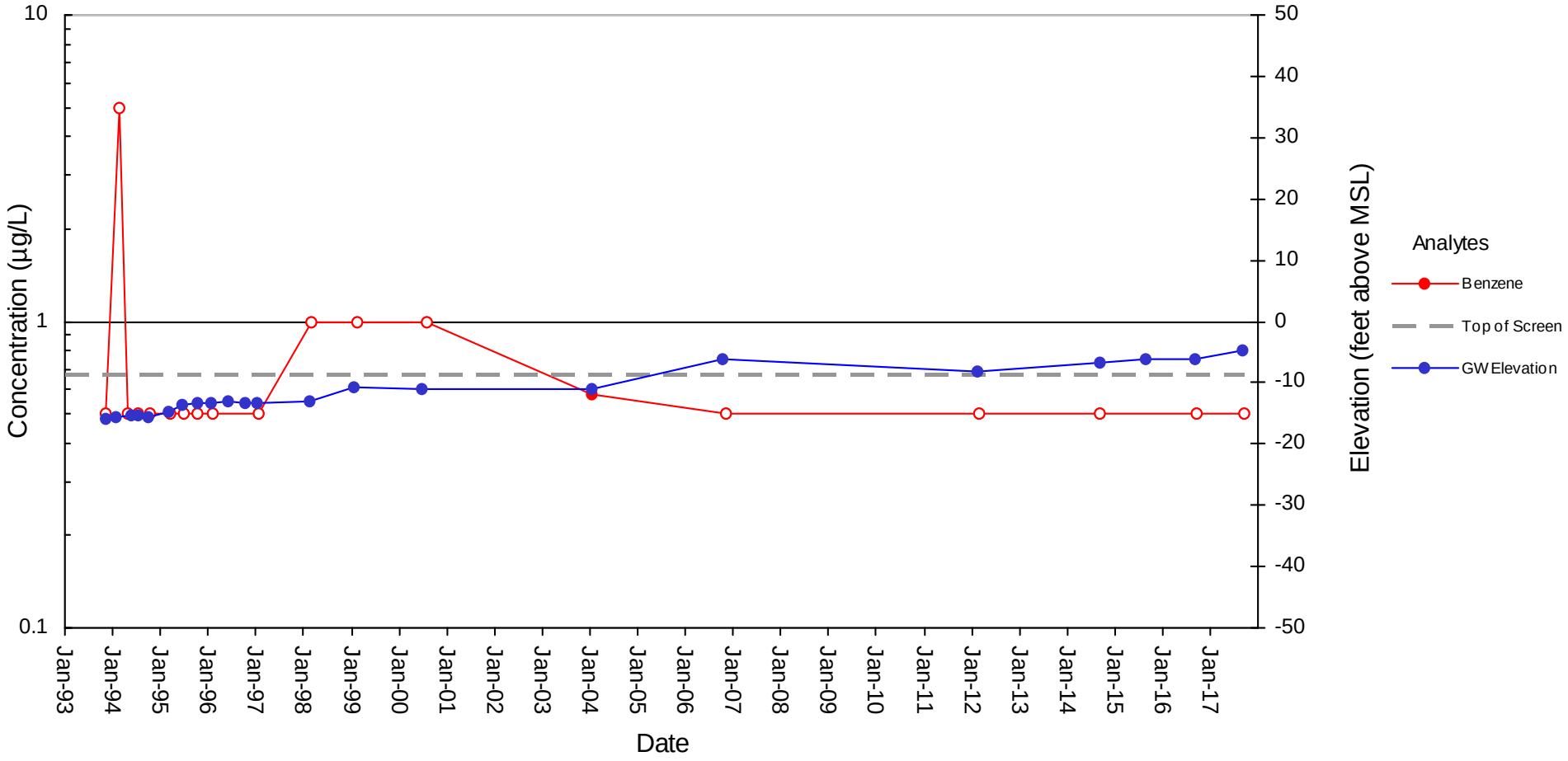
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0027)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



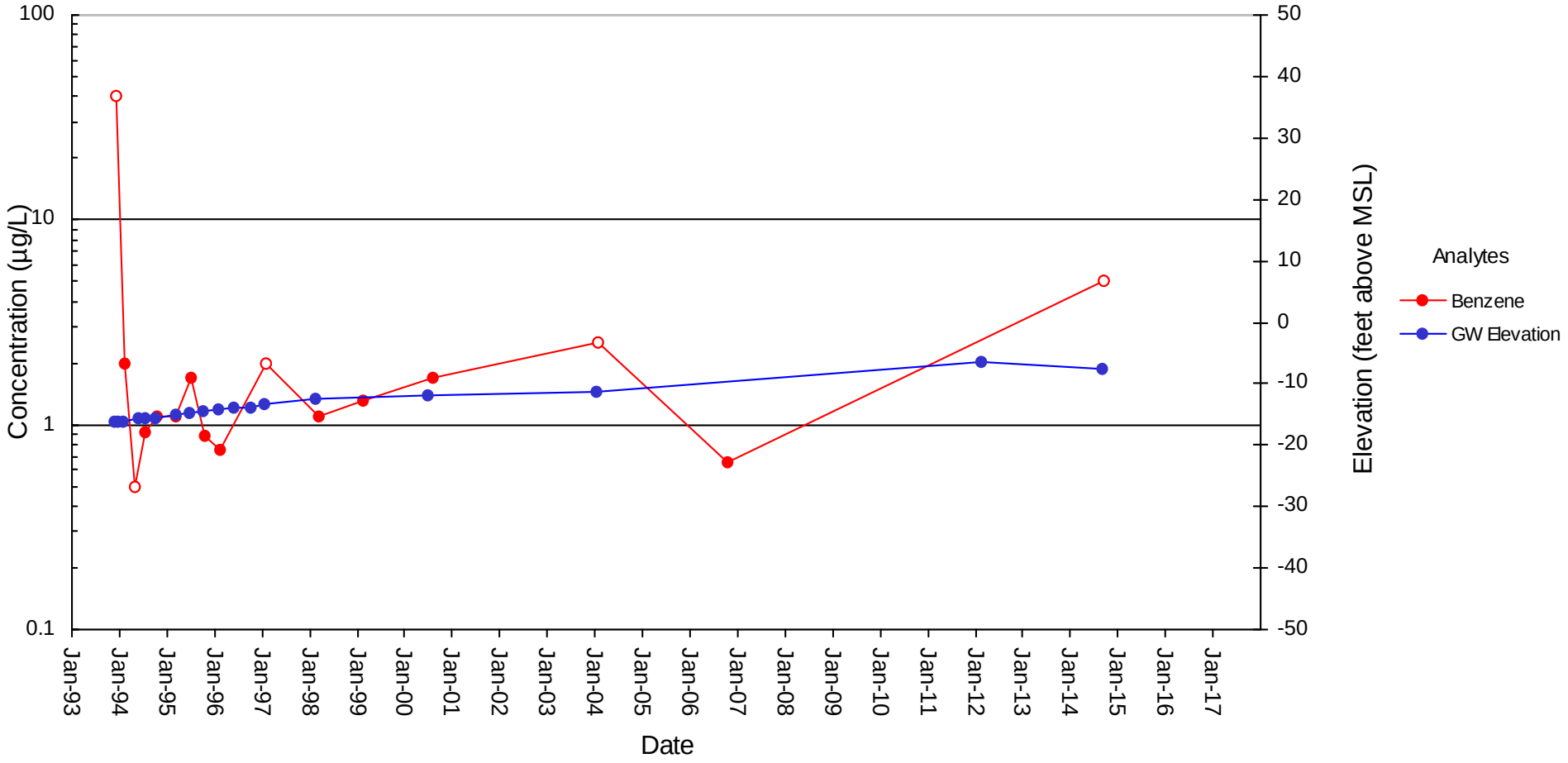
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0028)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



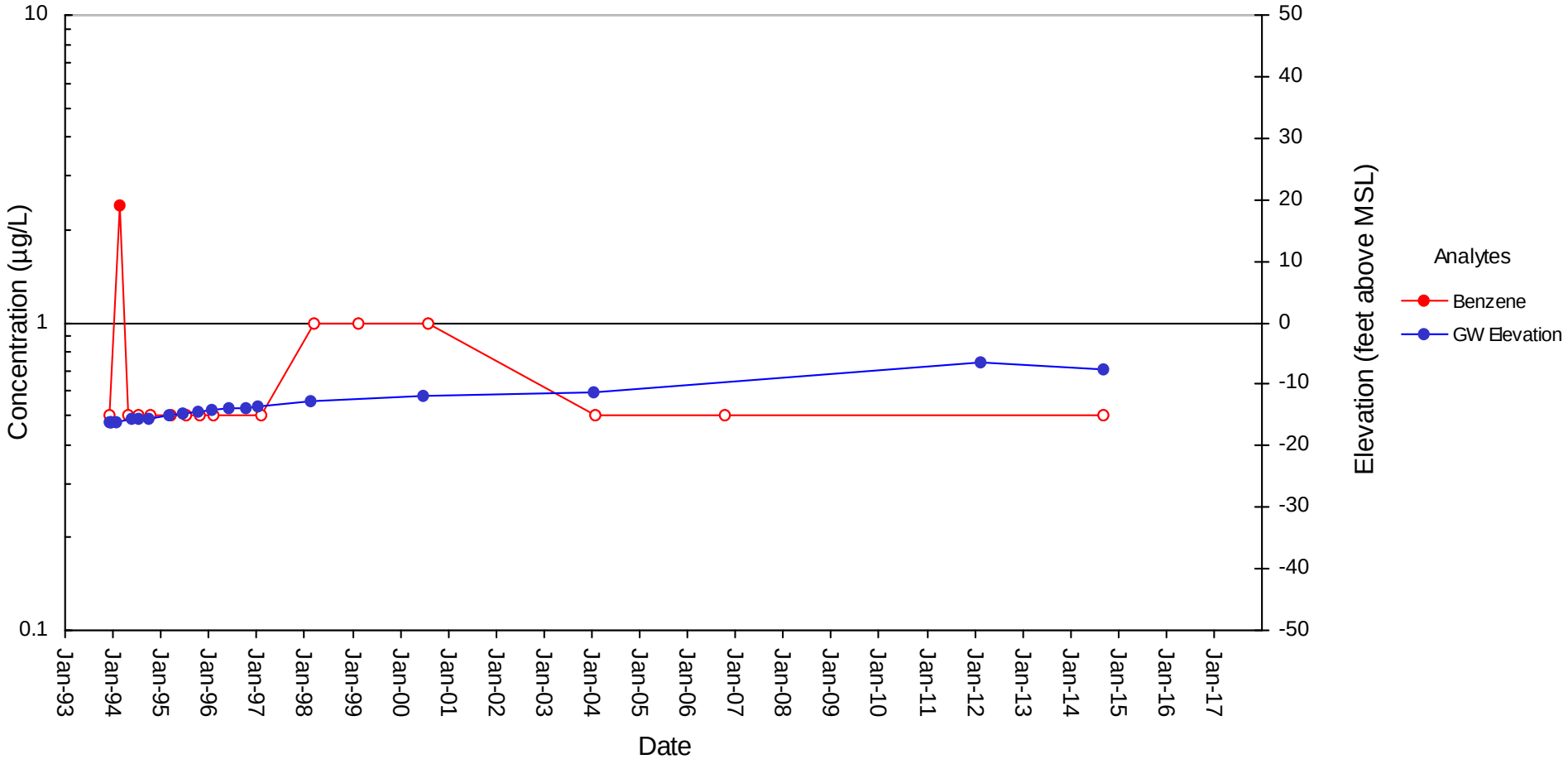
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0029)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



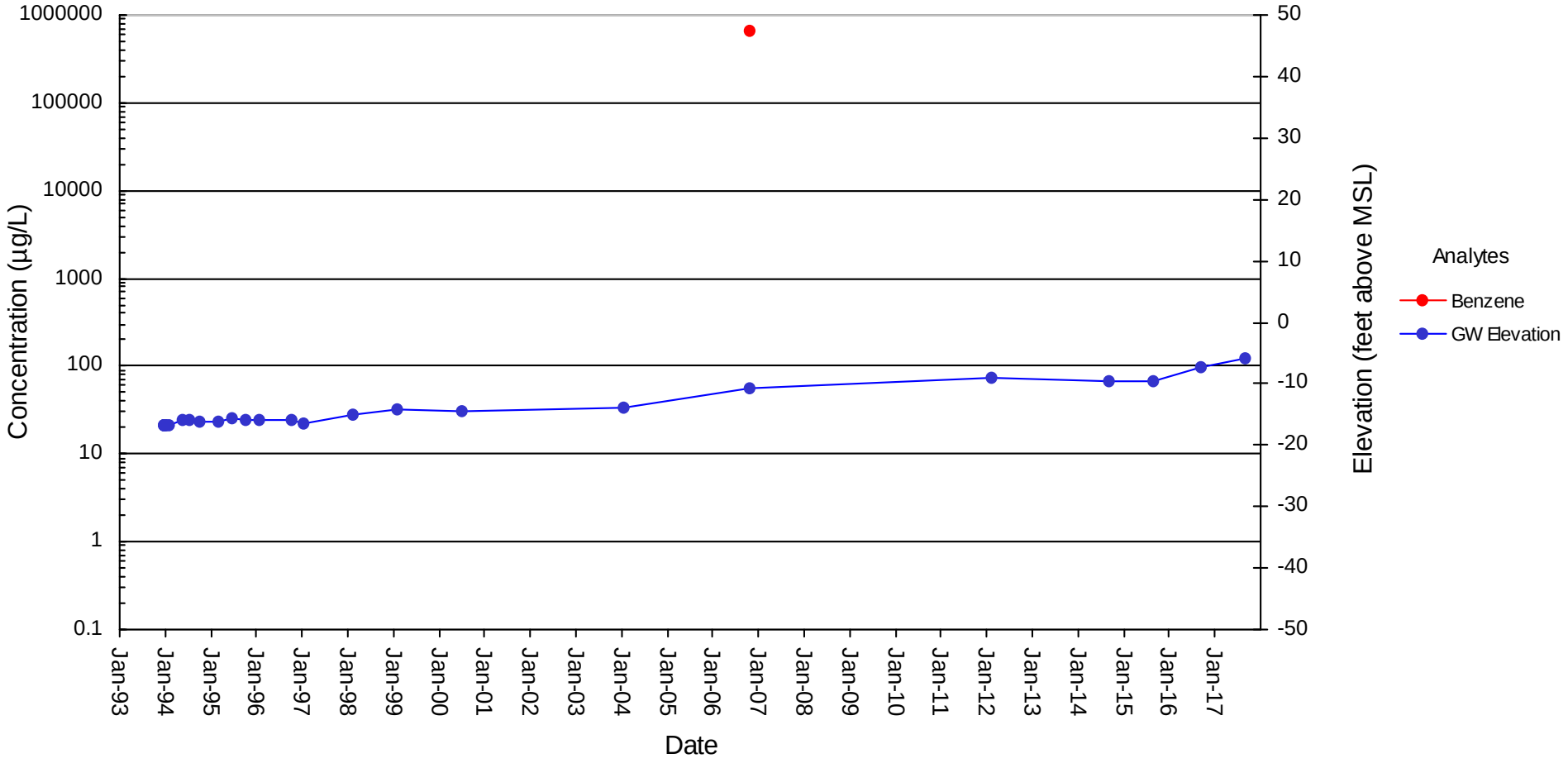
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0030)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



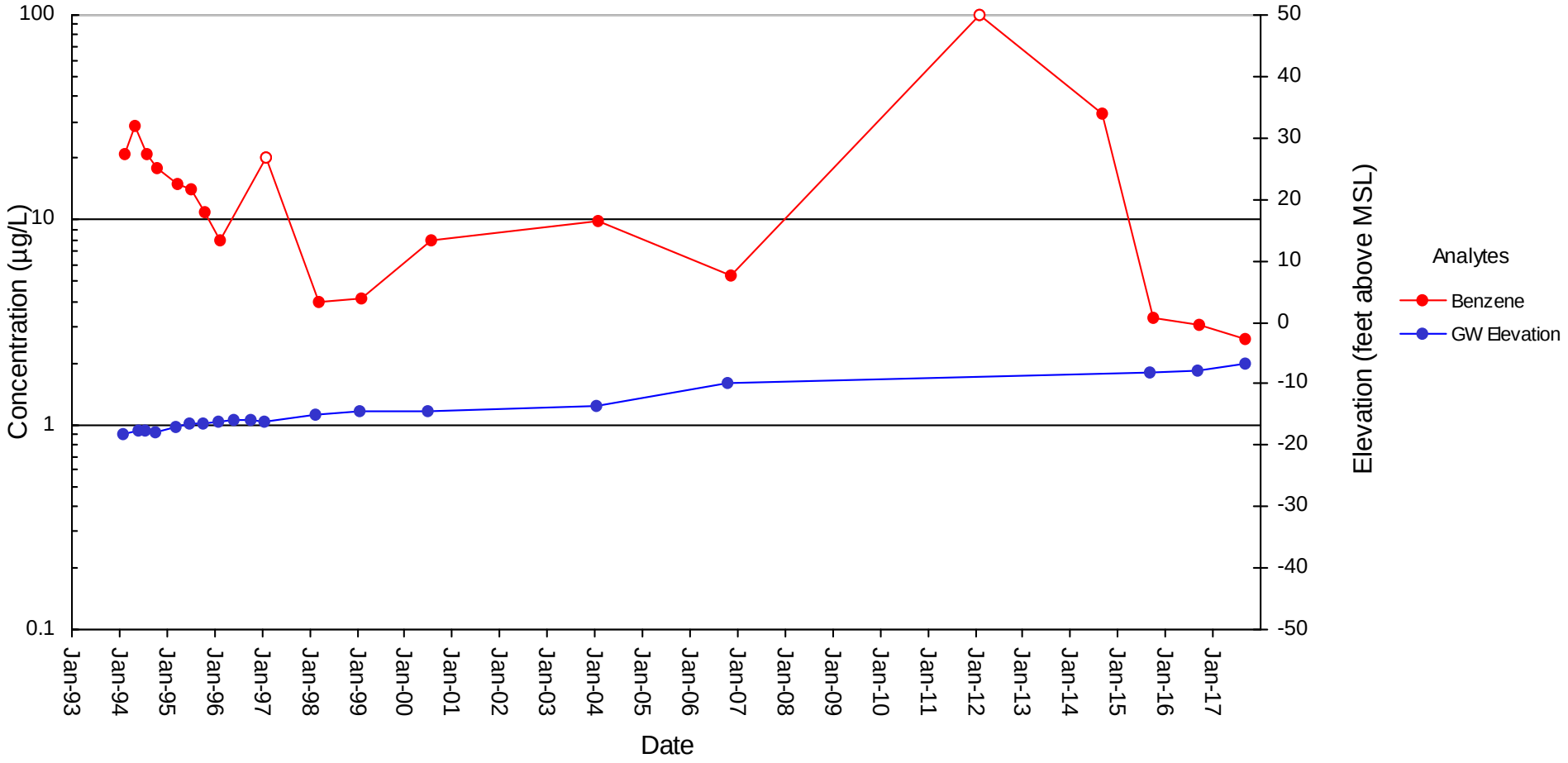
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0032)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



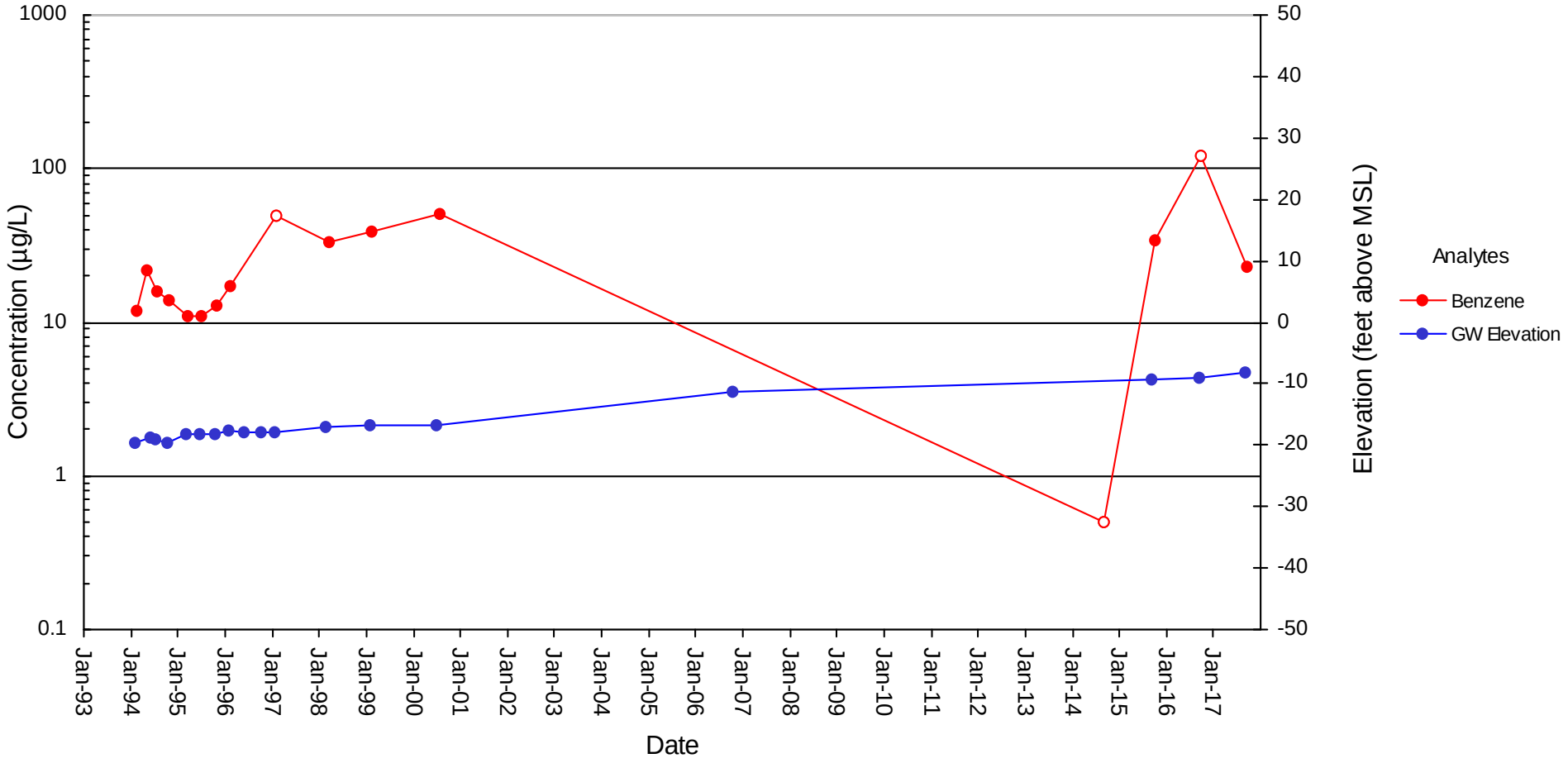
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0033)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



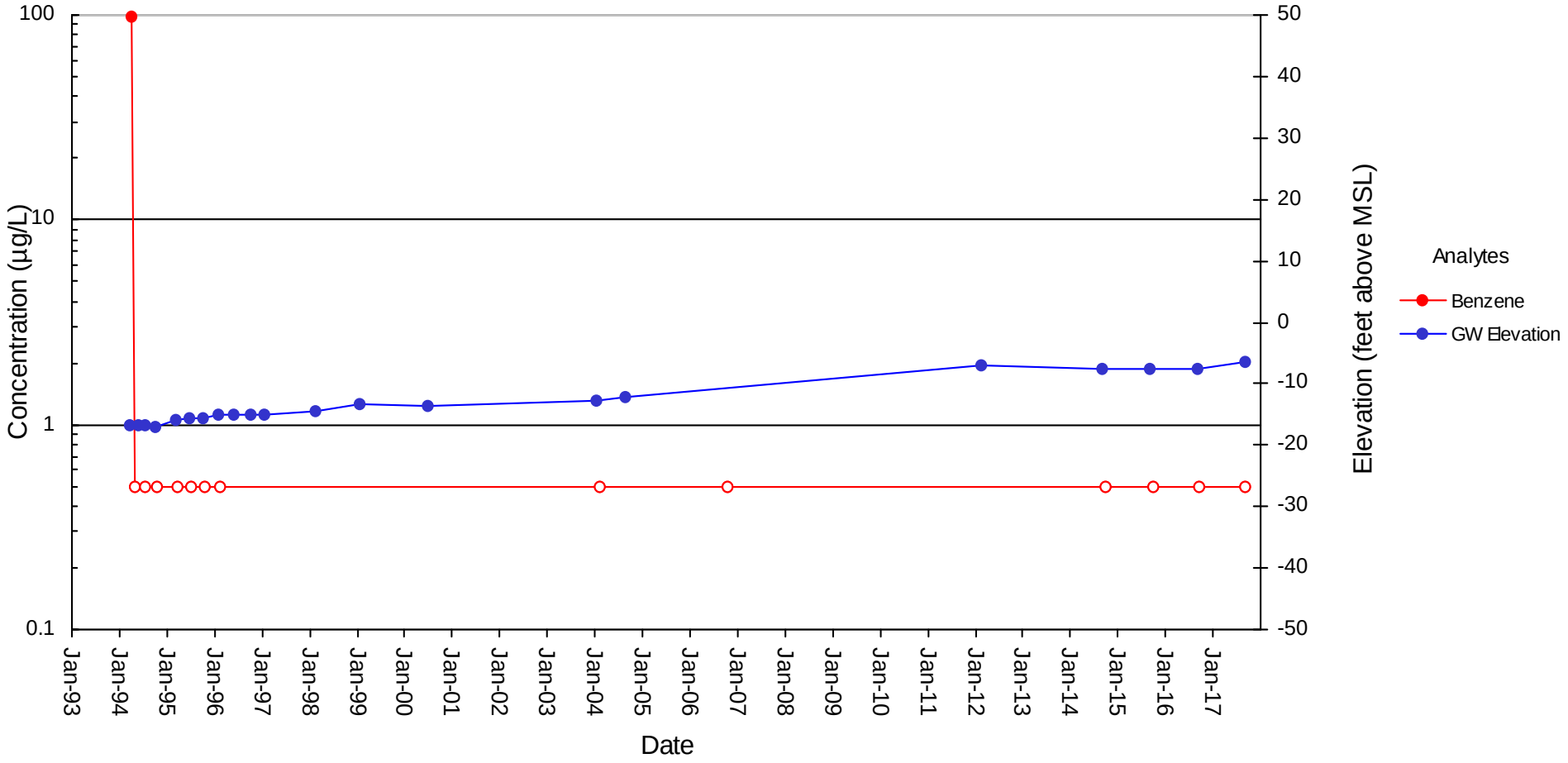
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0034)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



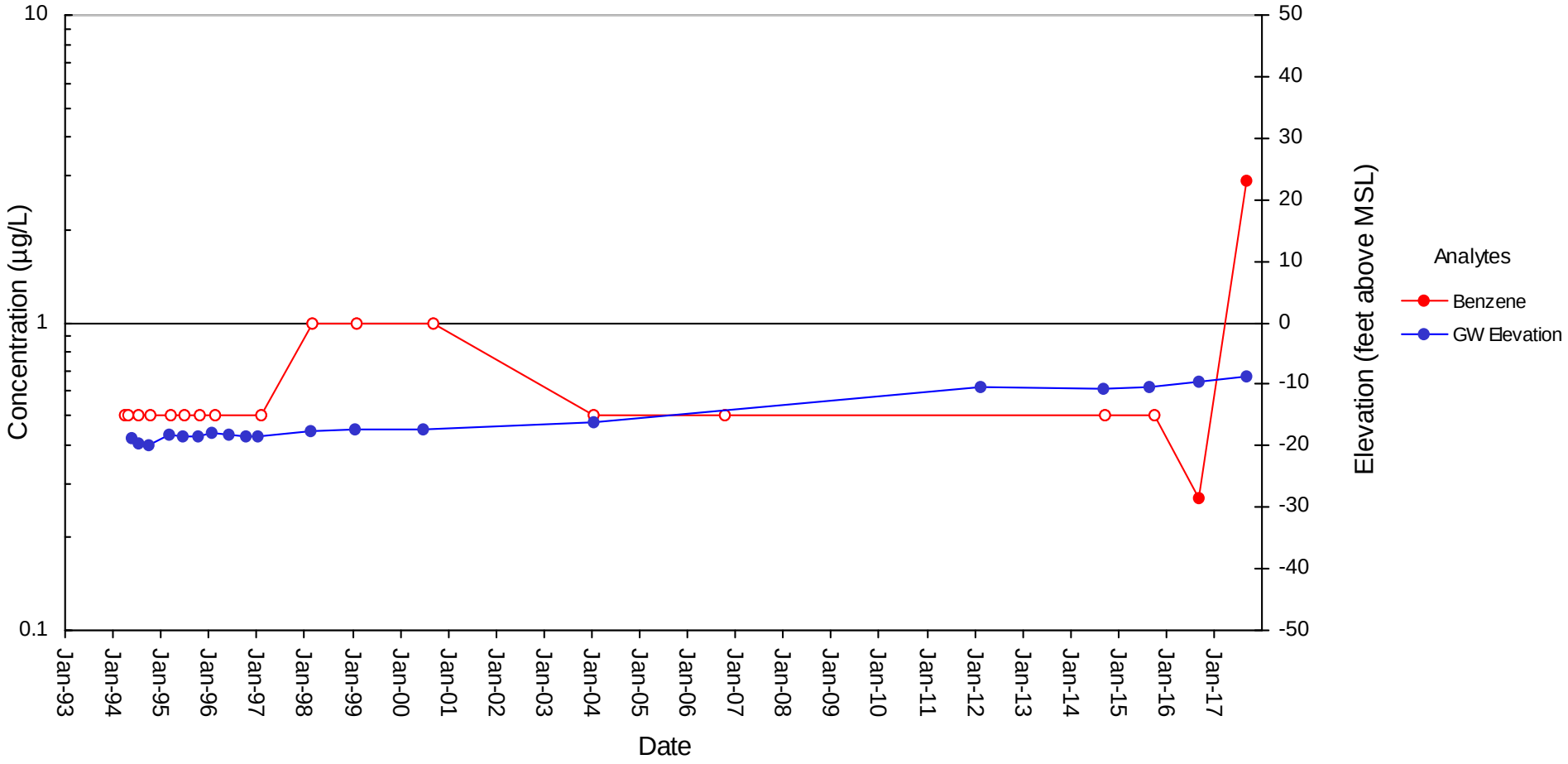
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0035)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



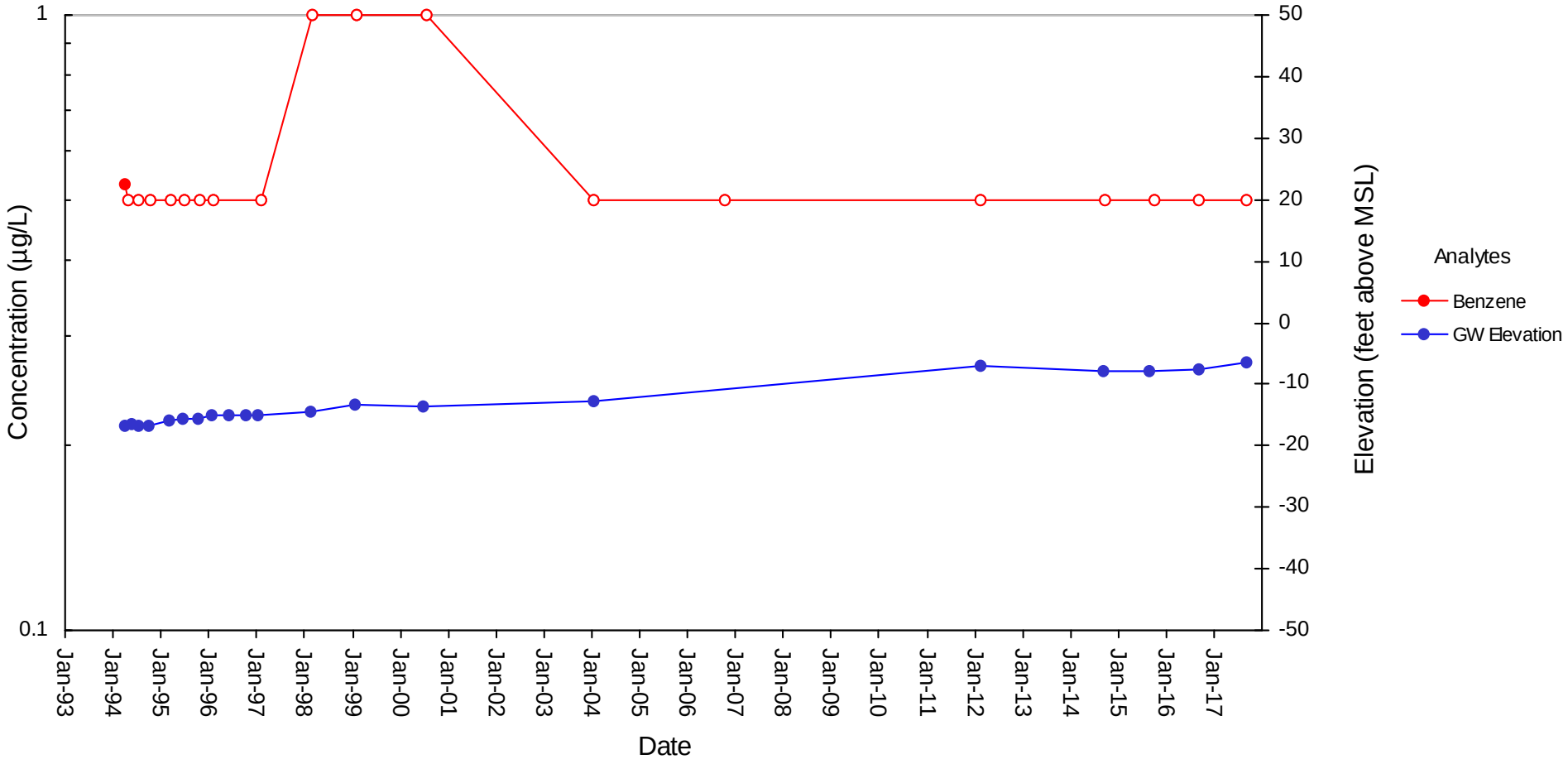
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0036)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



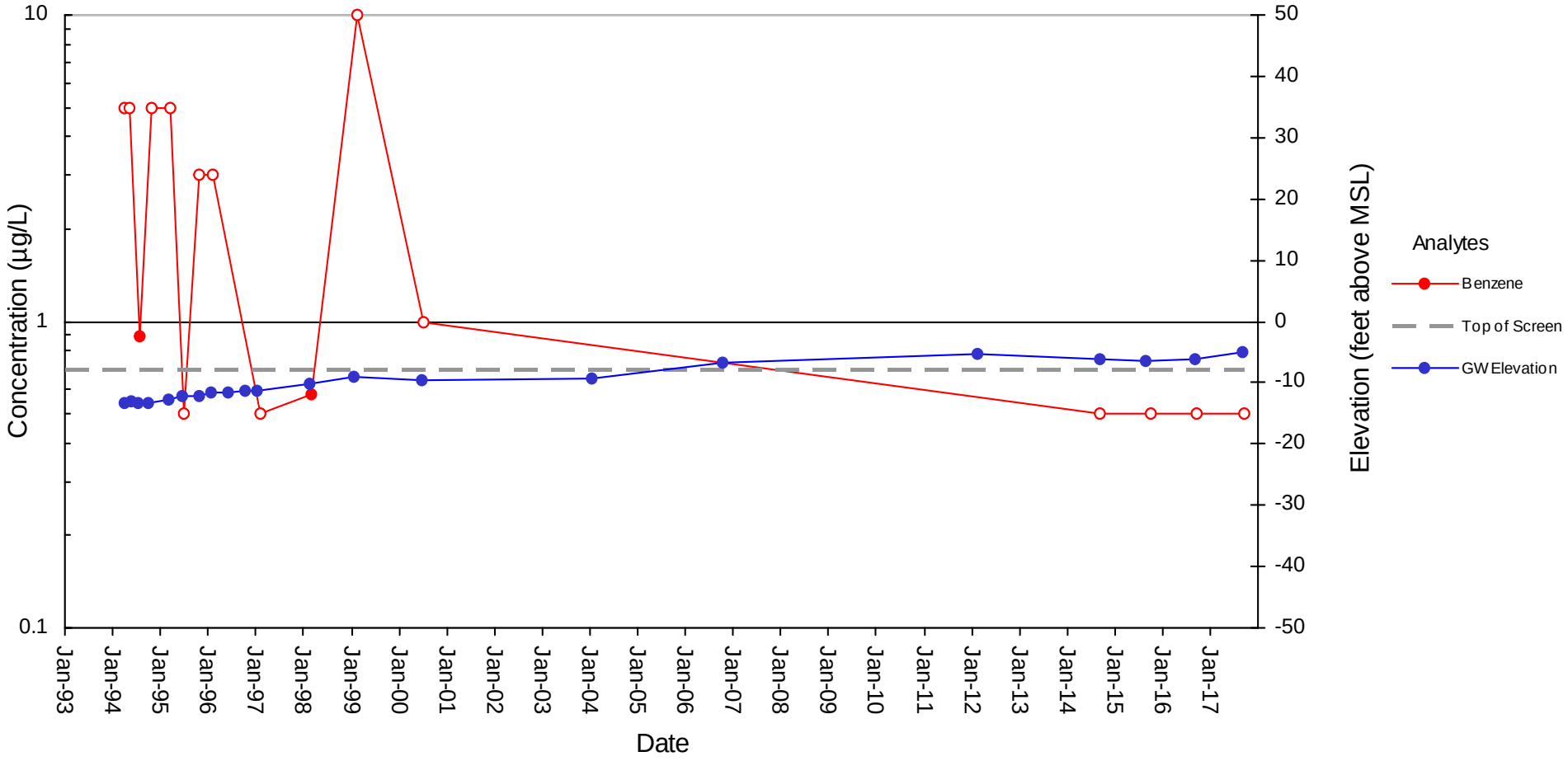
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0037)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



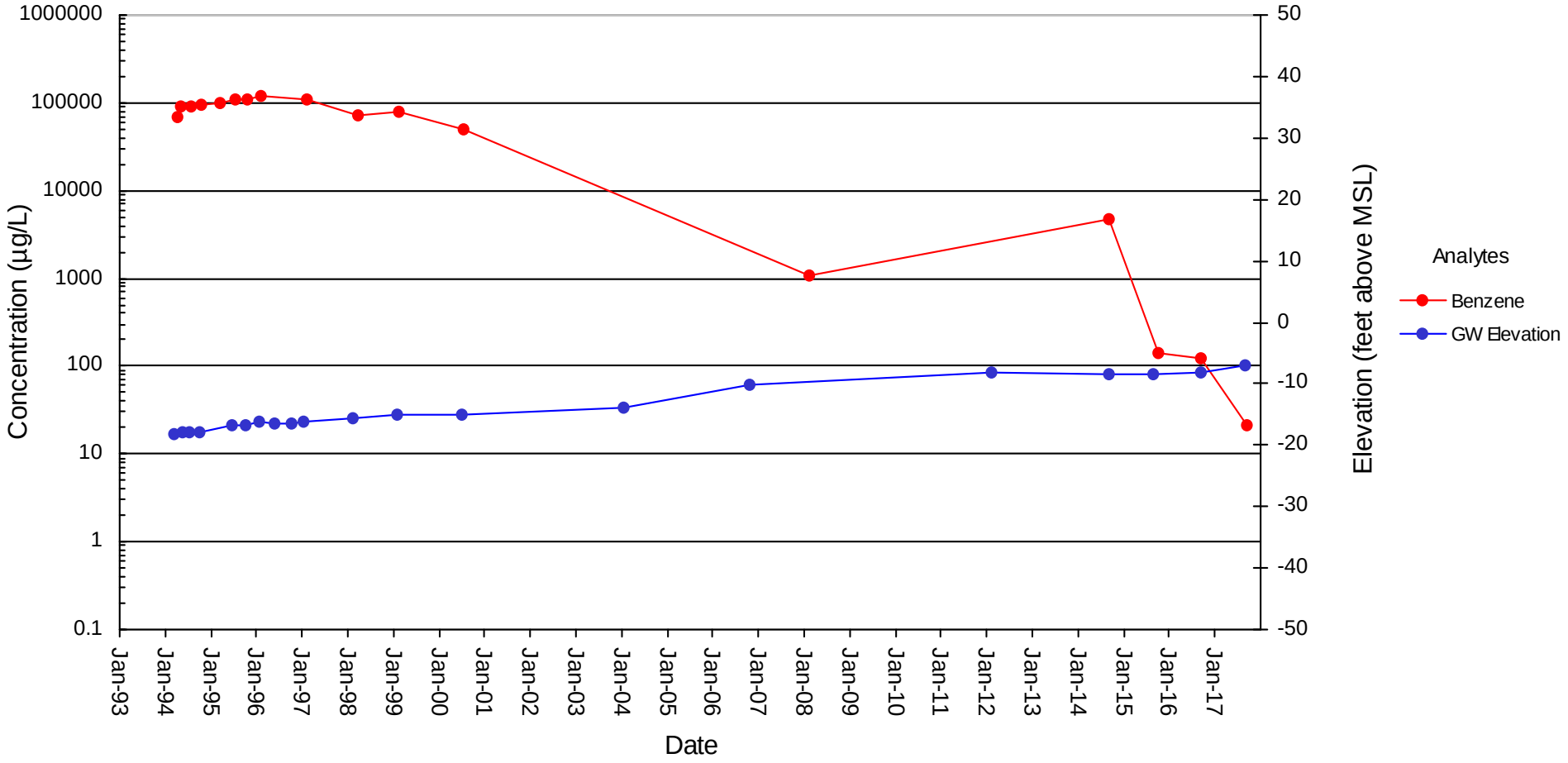
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0038)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



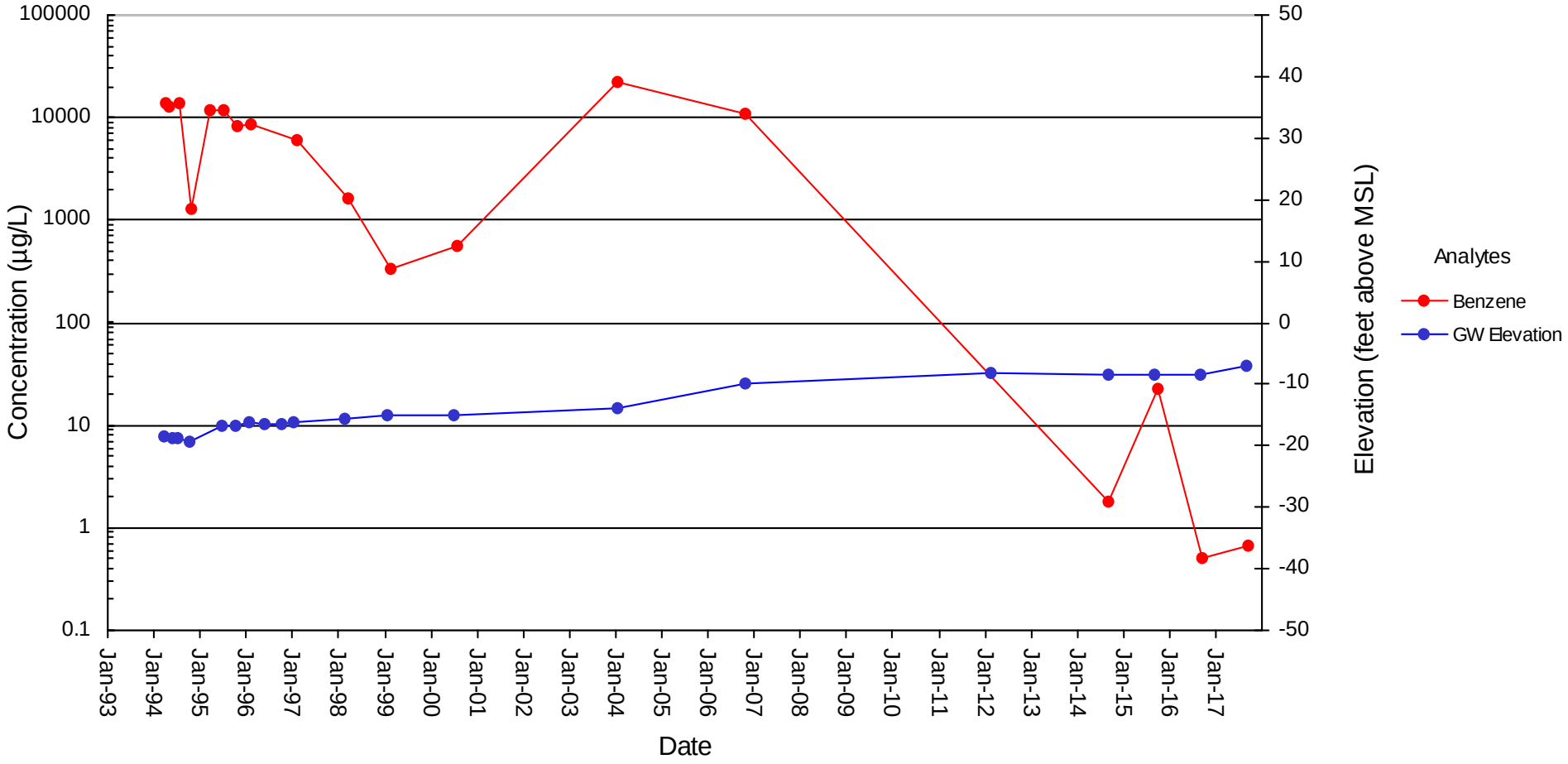
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0040)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



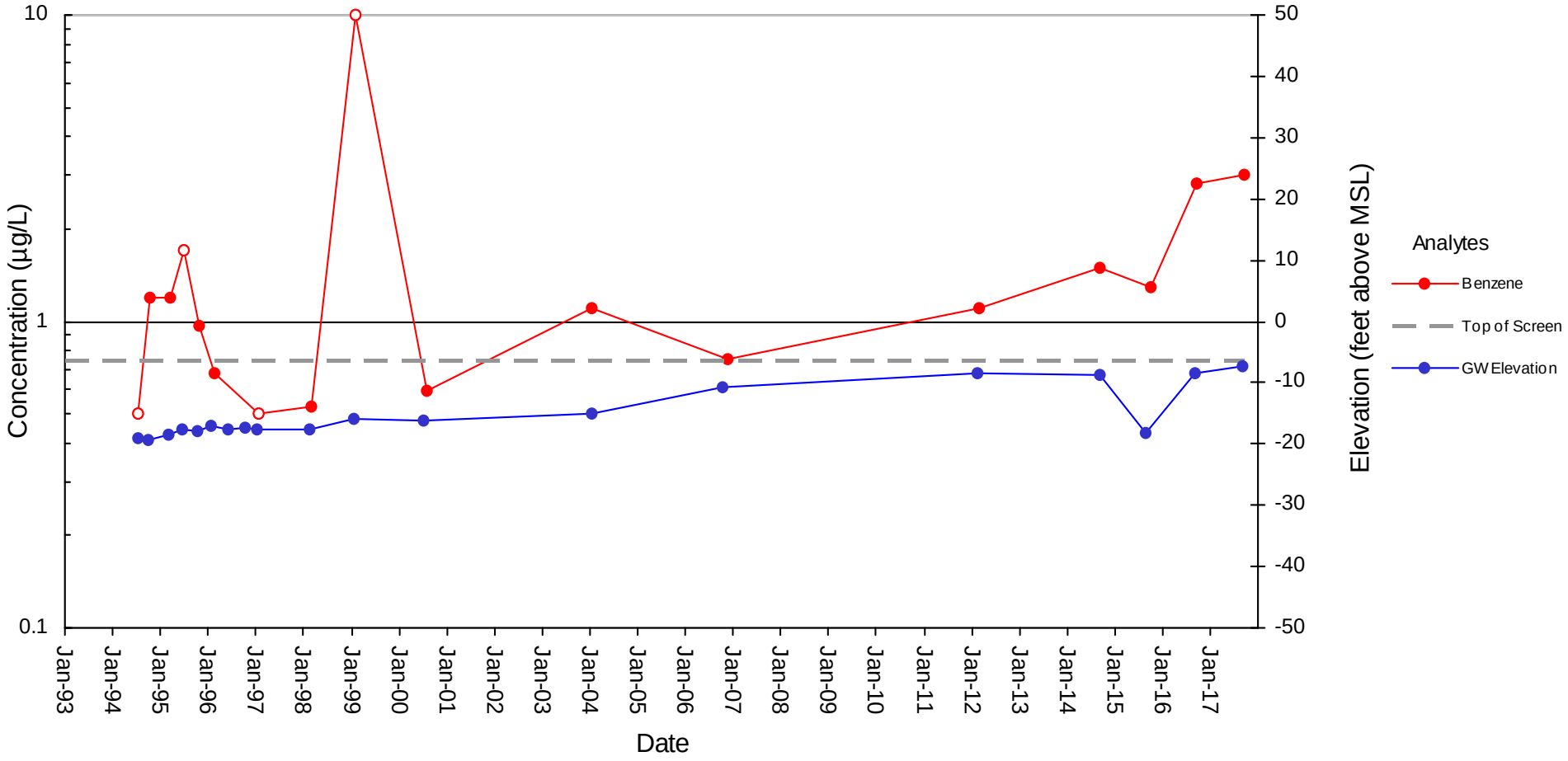
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0041)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



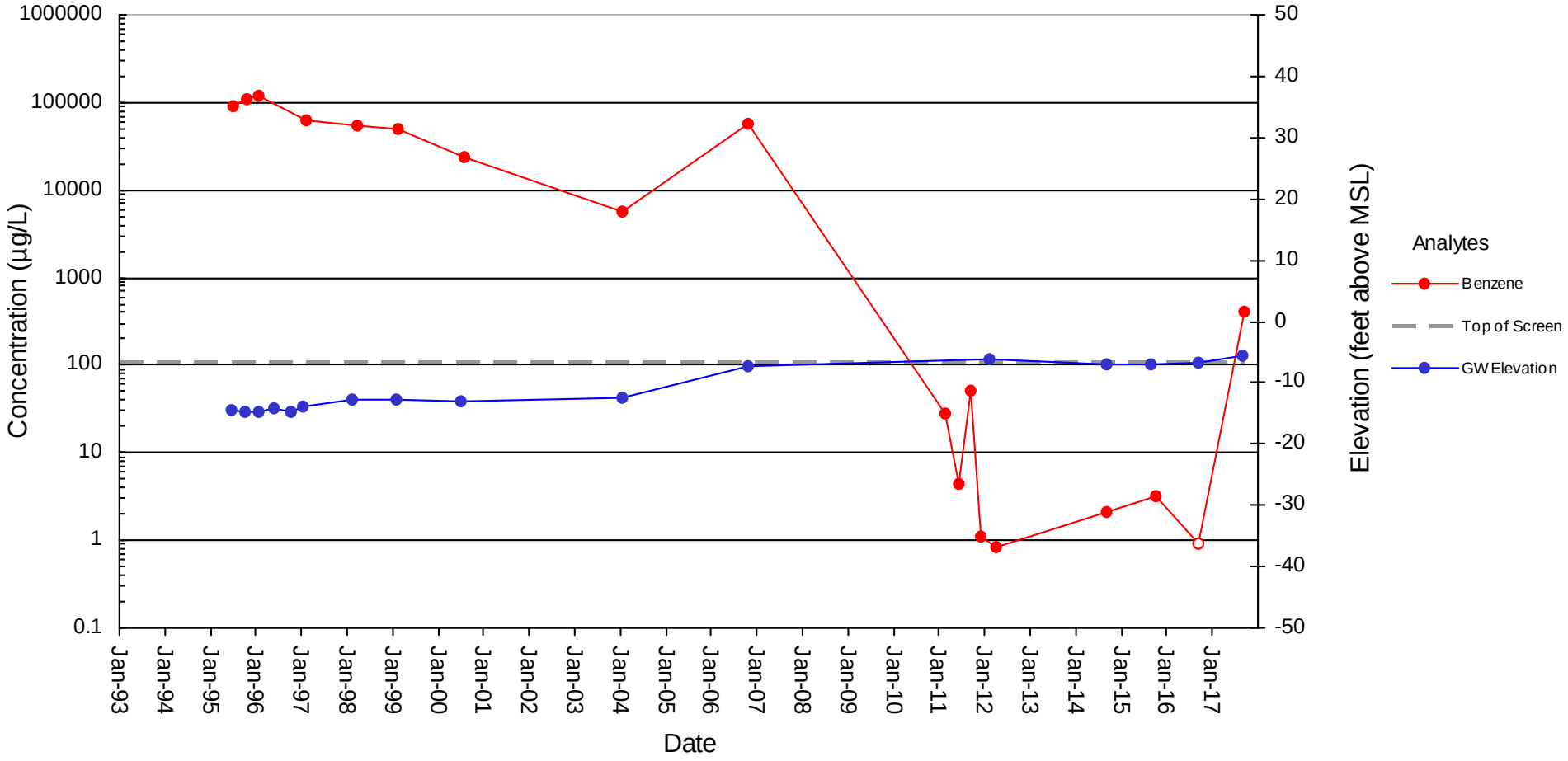
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0042)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



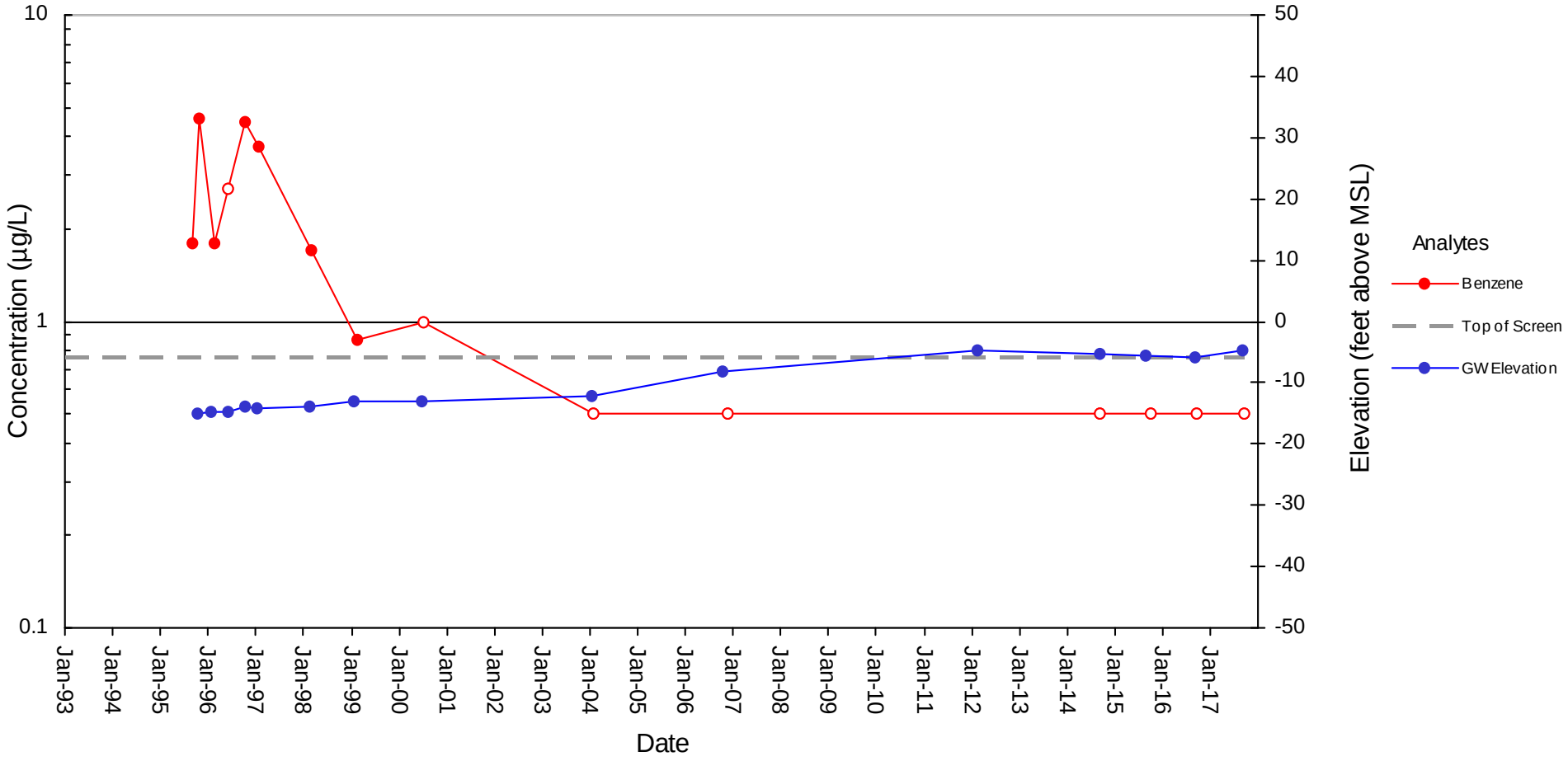
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0044)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



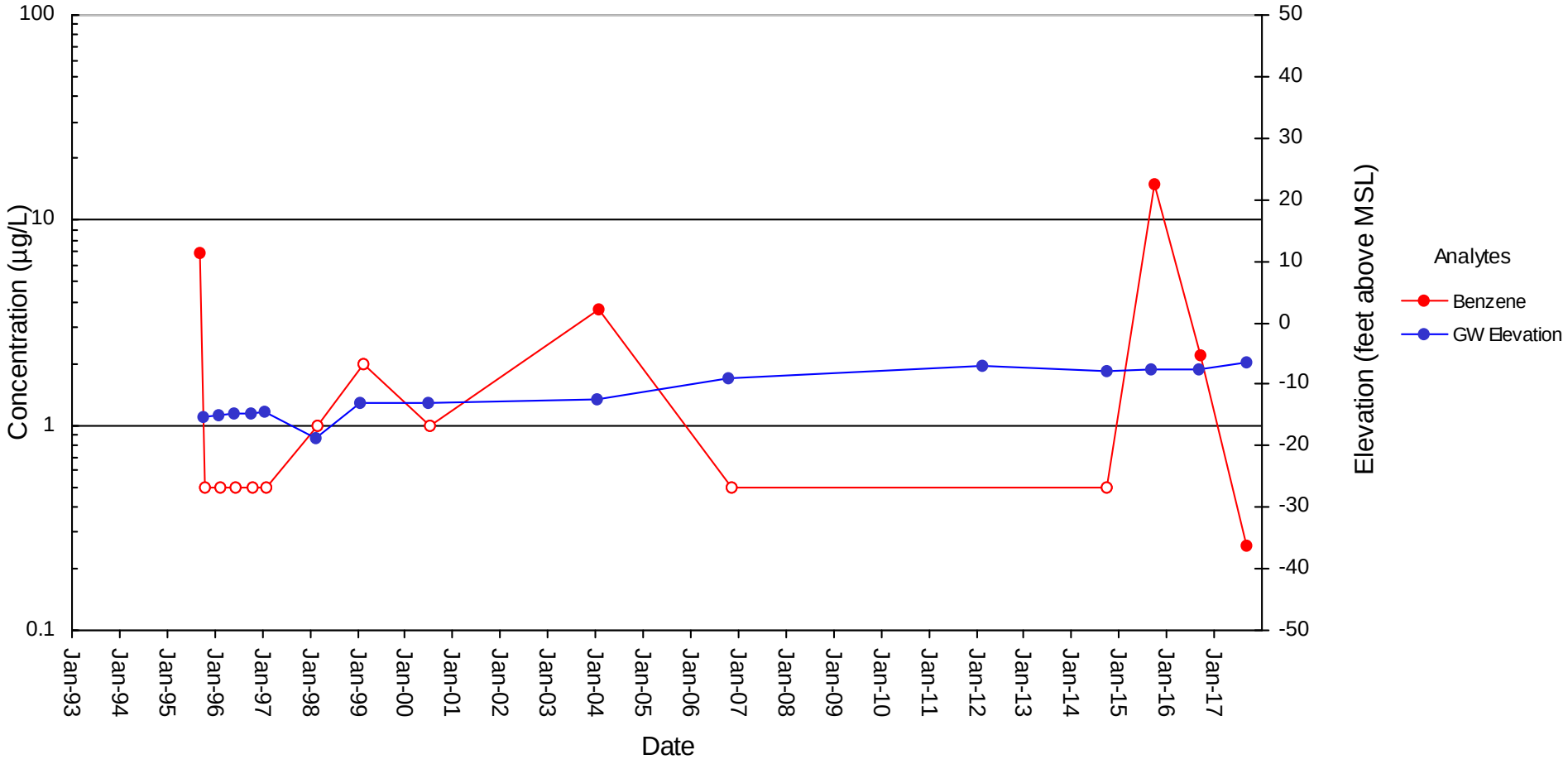
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0046)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



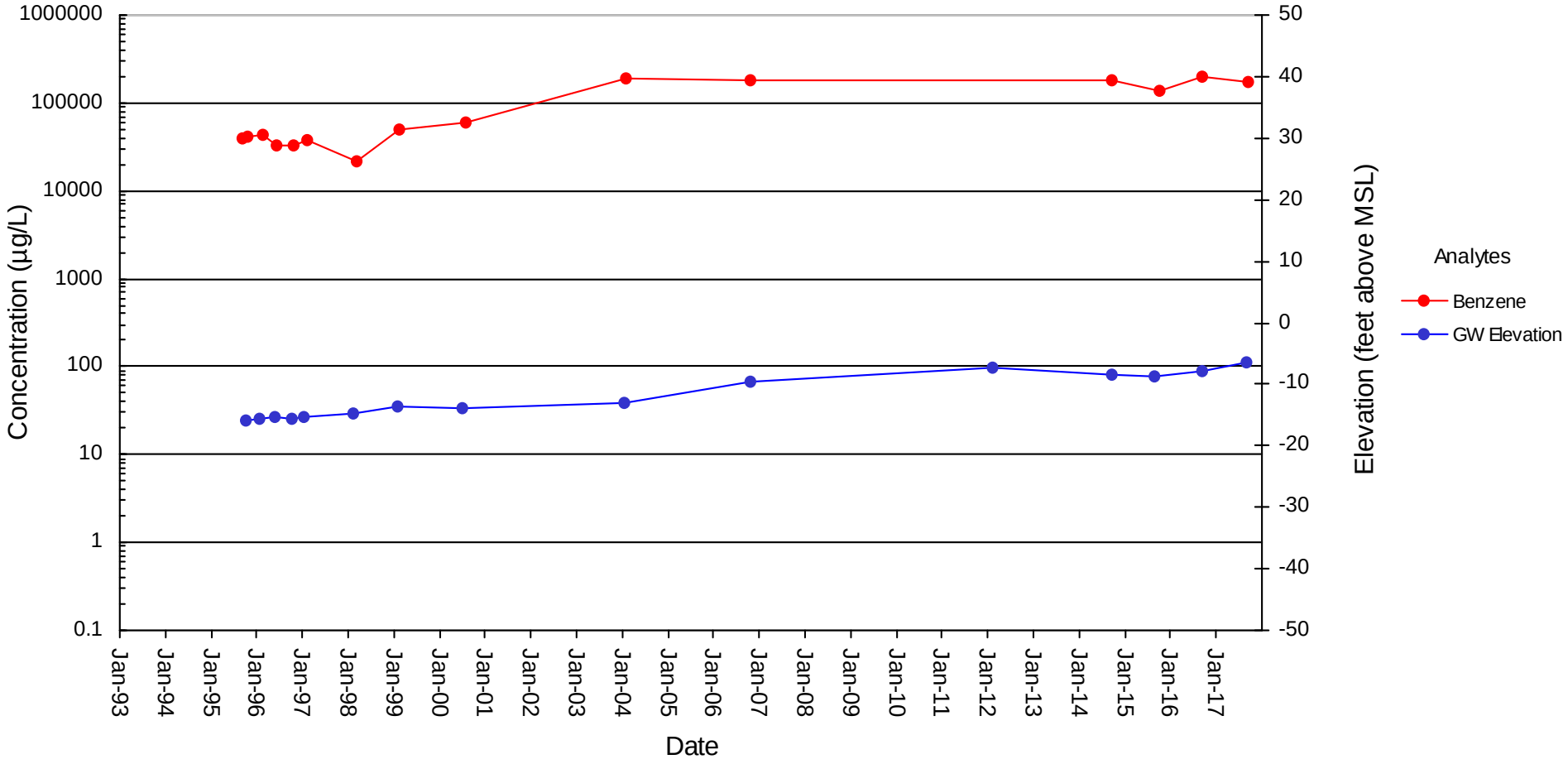
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0047)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



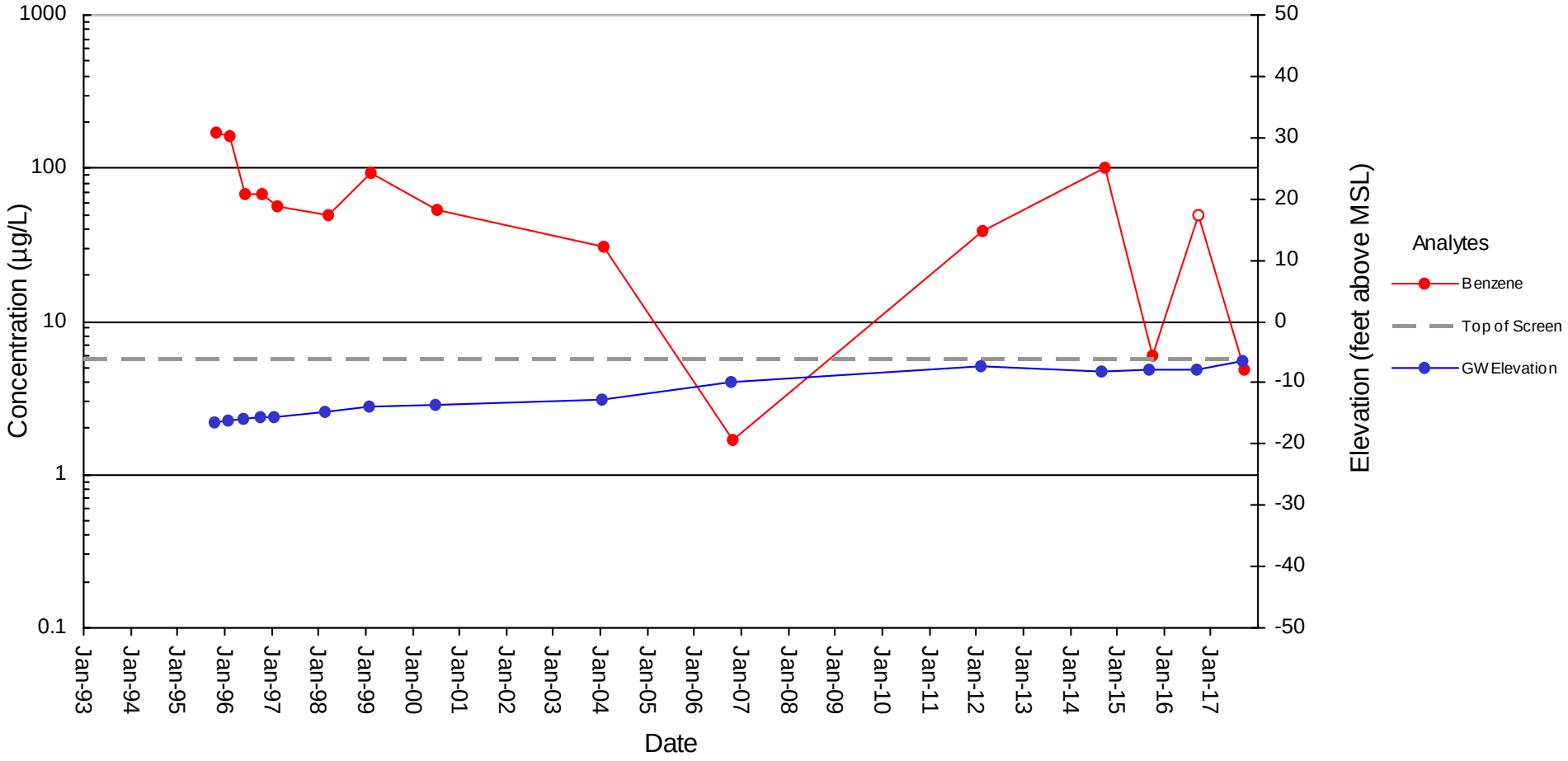
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0048)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



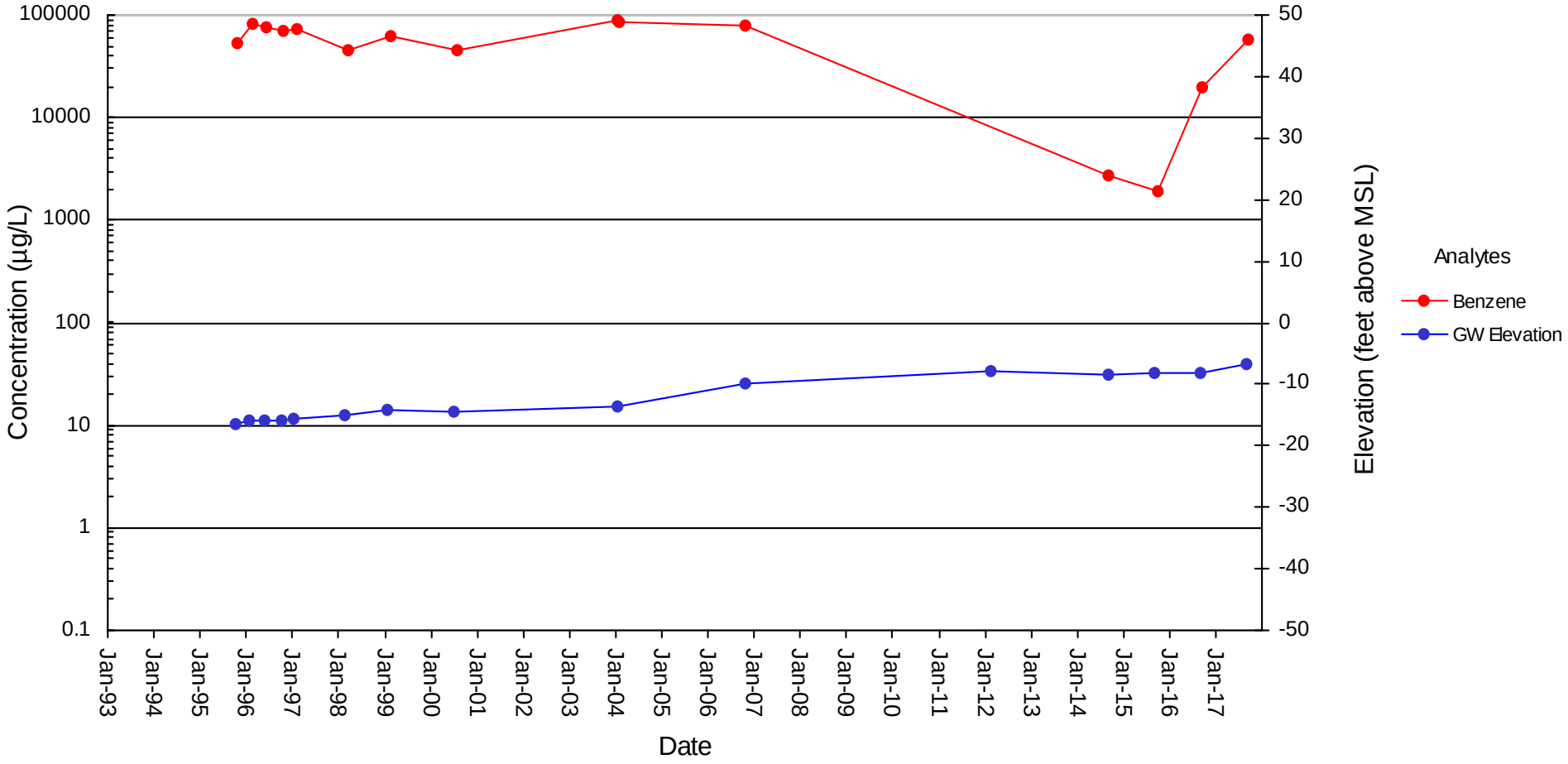
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0049)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



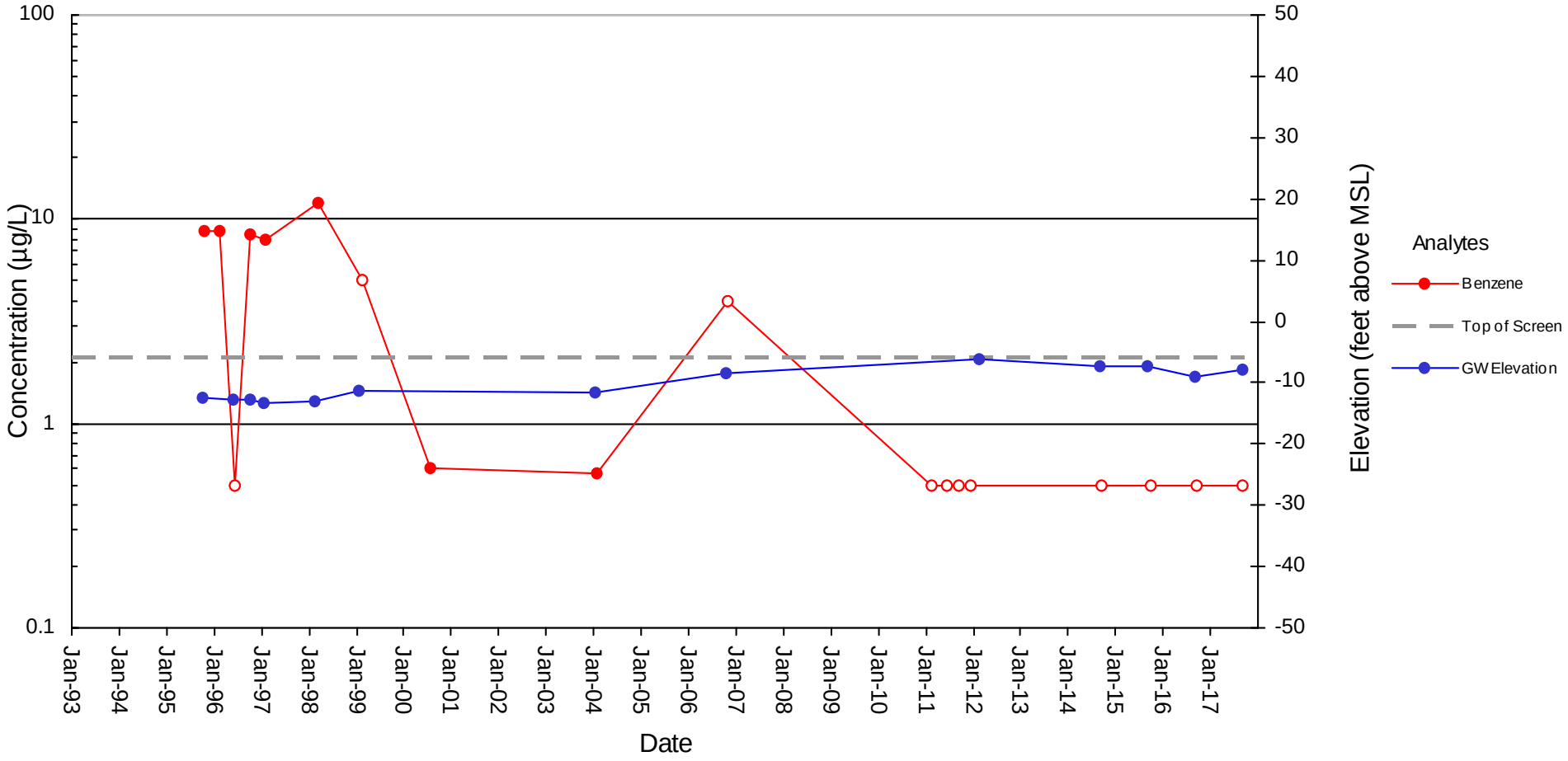
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0050)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



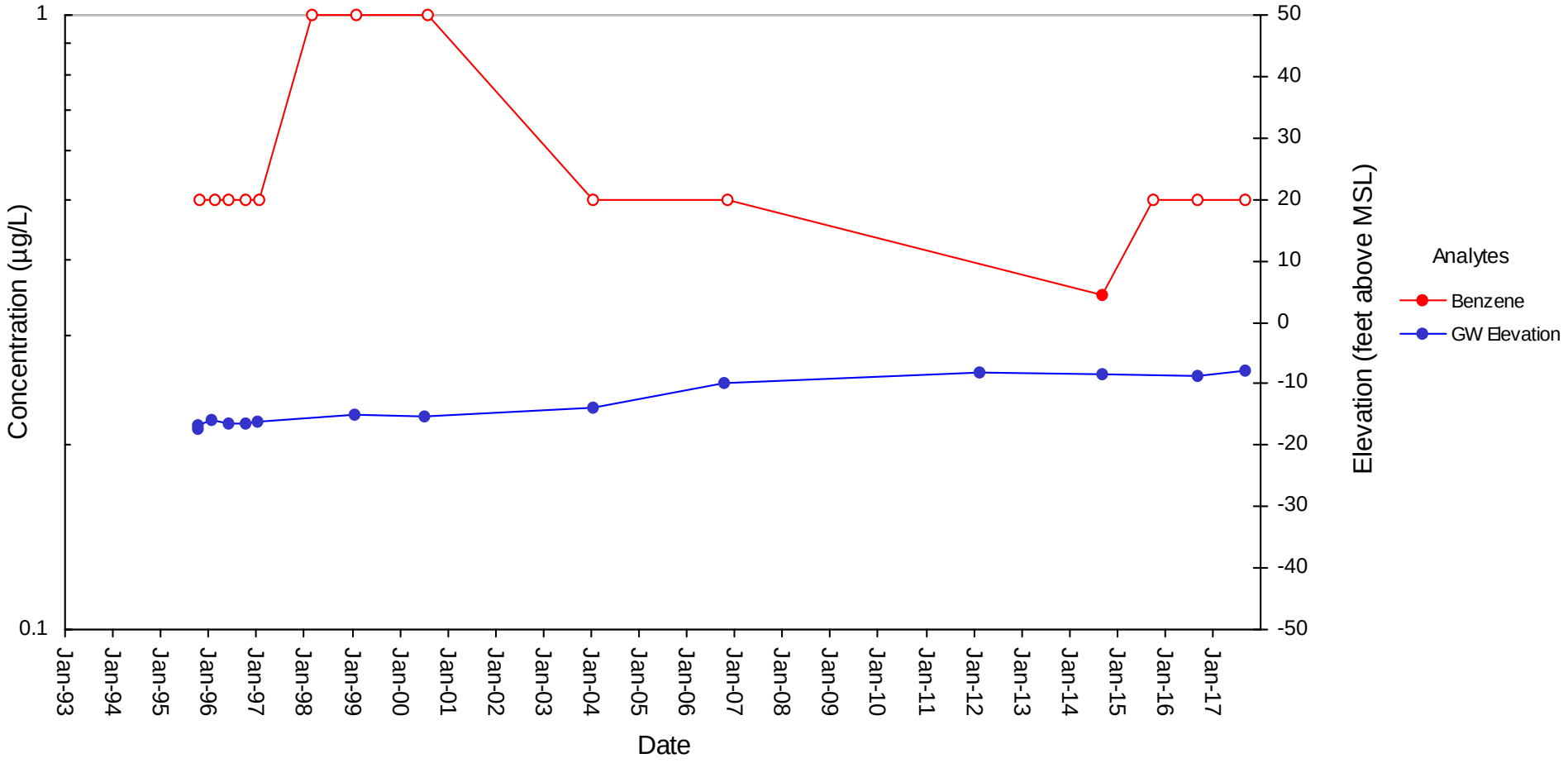
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0051)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



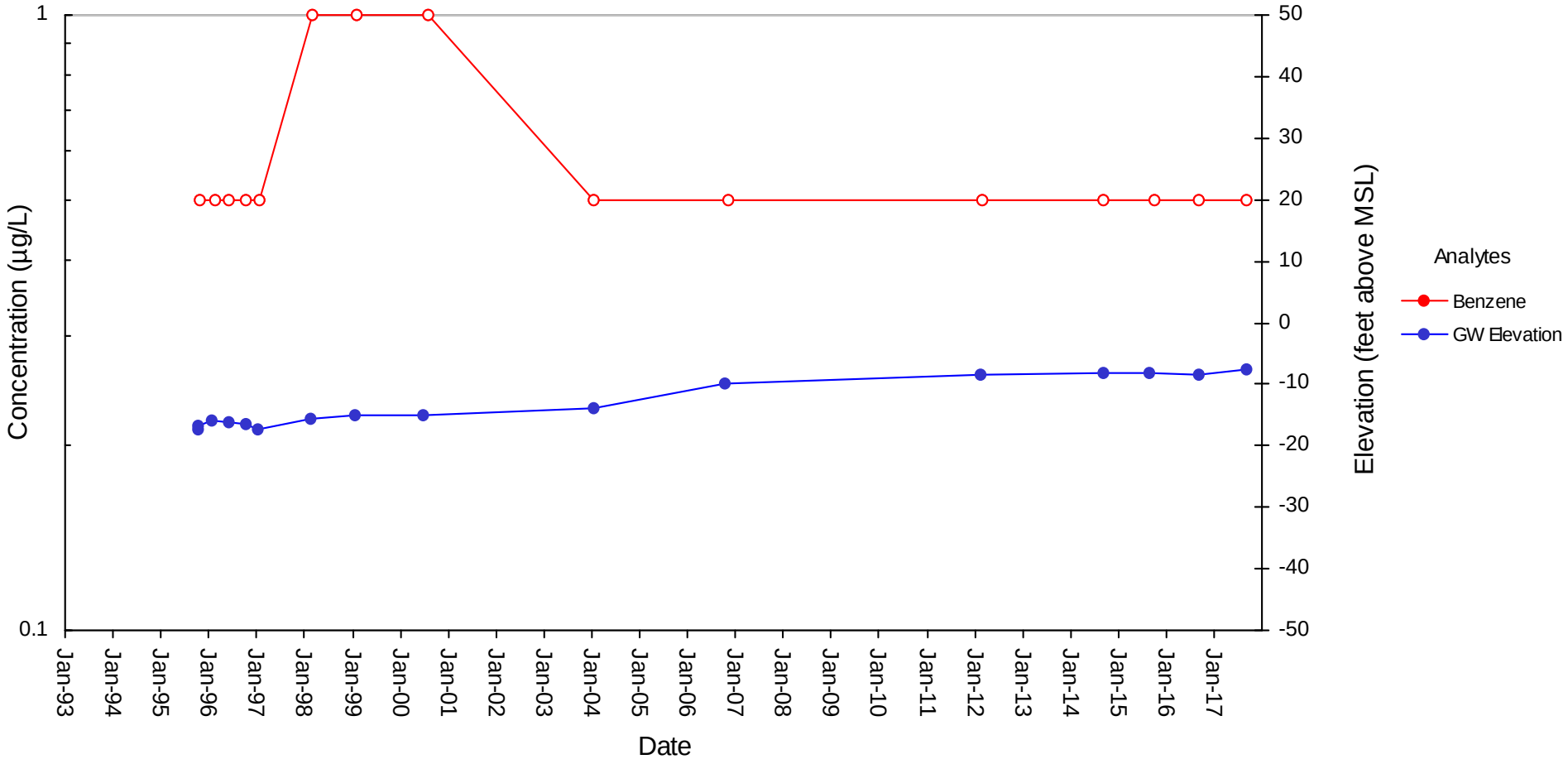
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0052)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



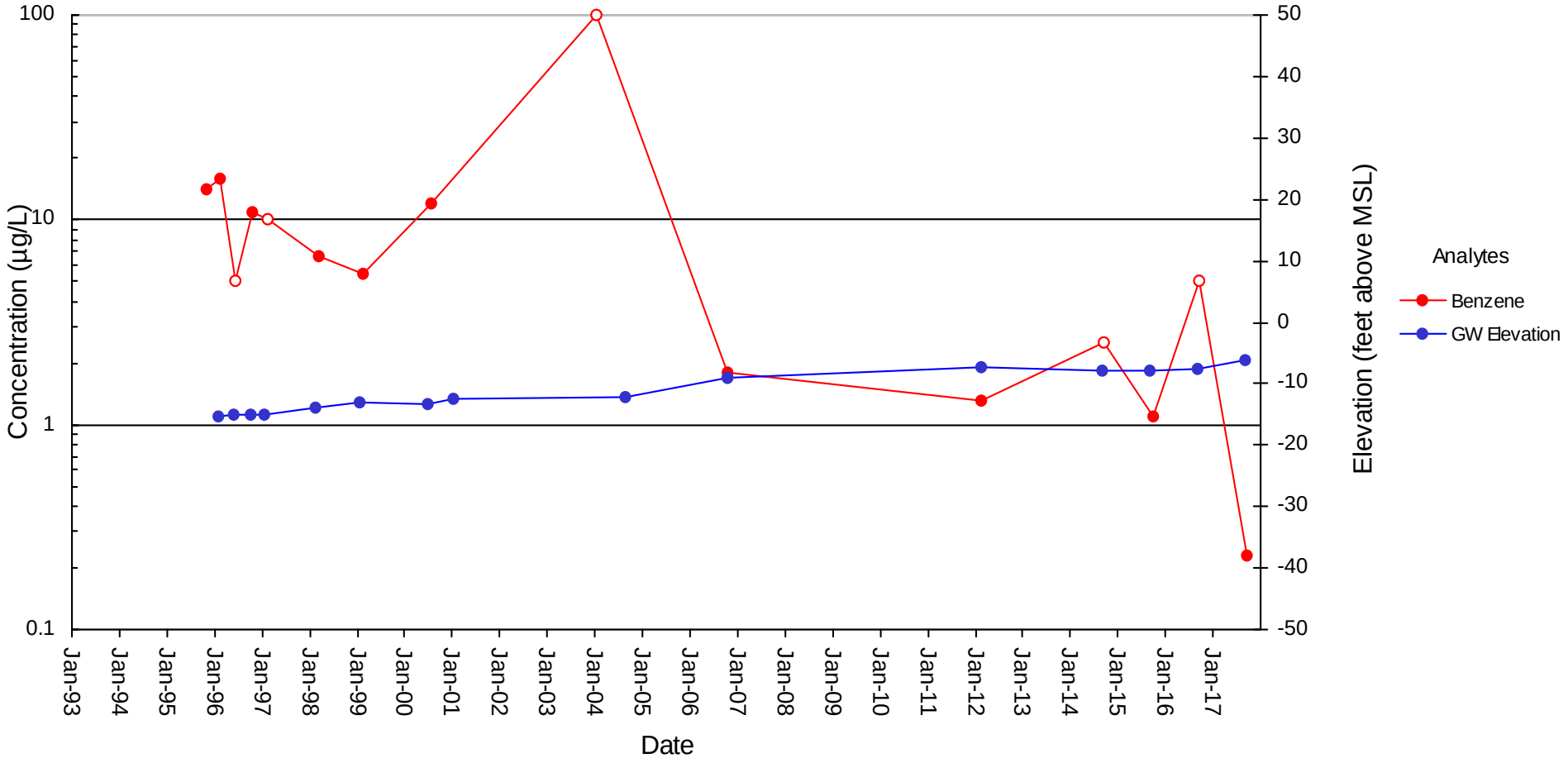
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0053)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



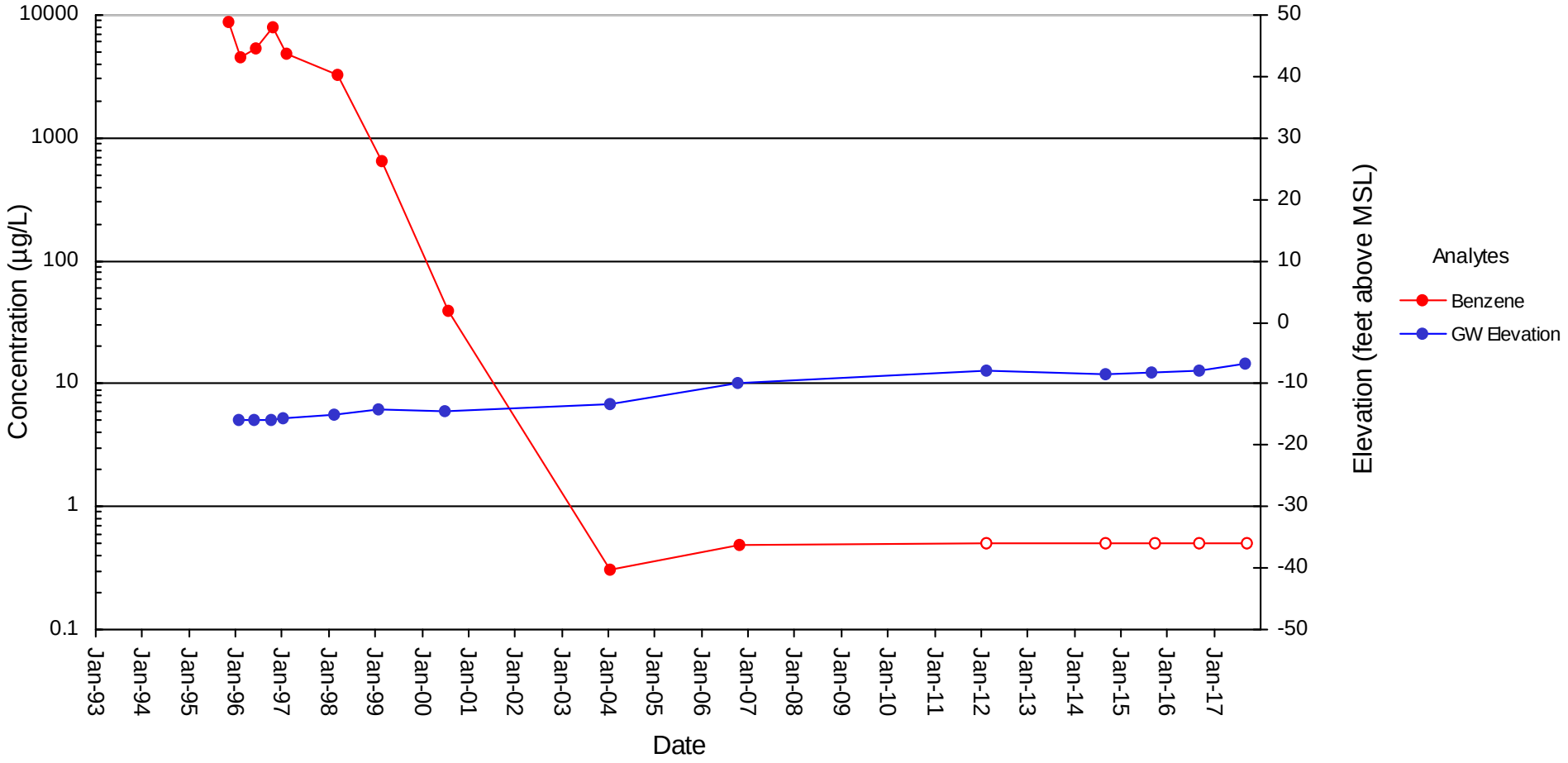
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0054)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



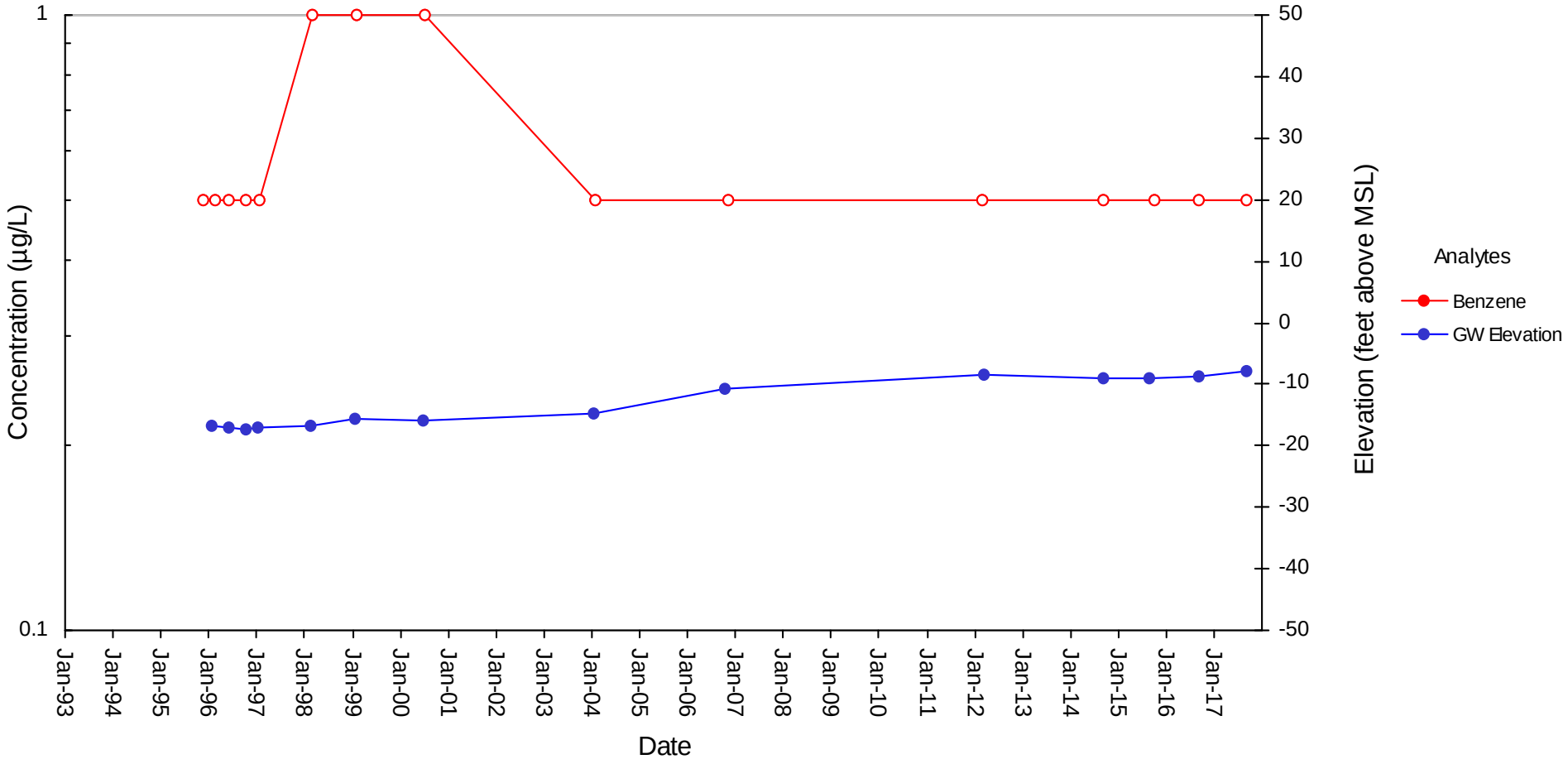
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0055)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



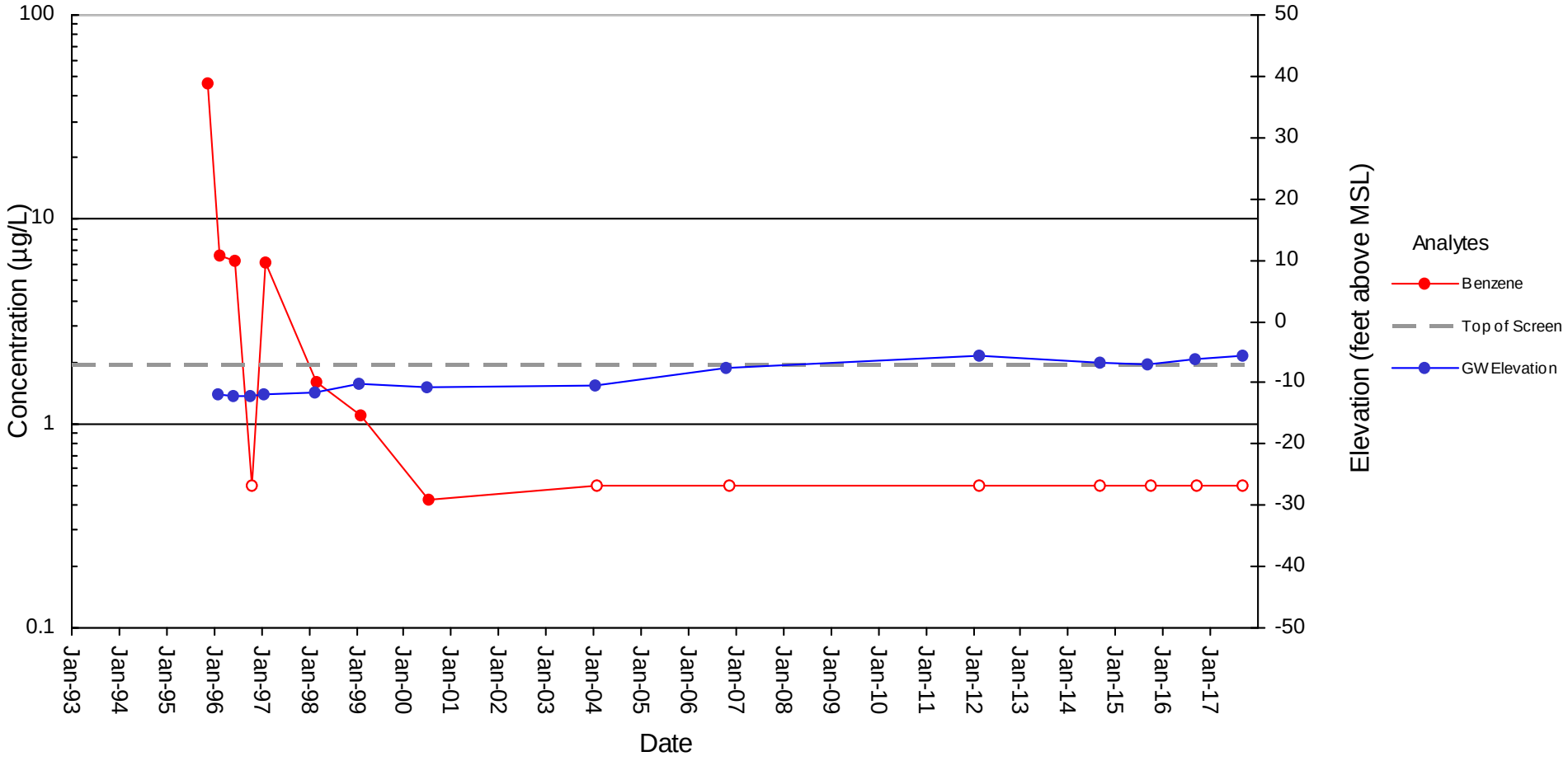
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0056)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



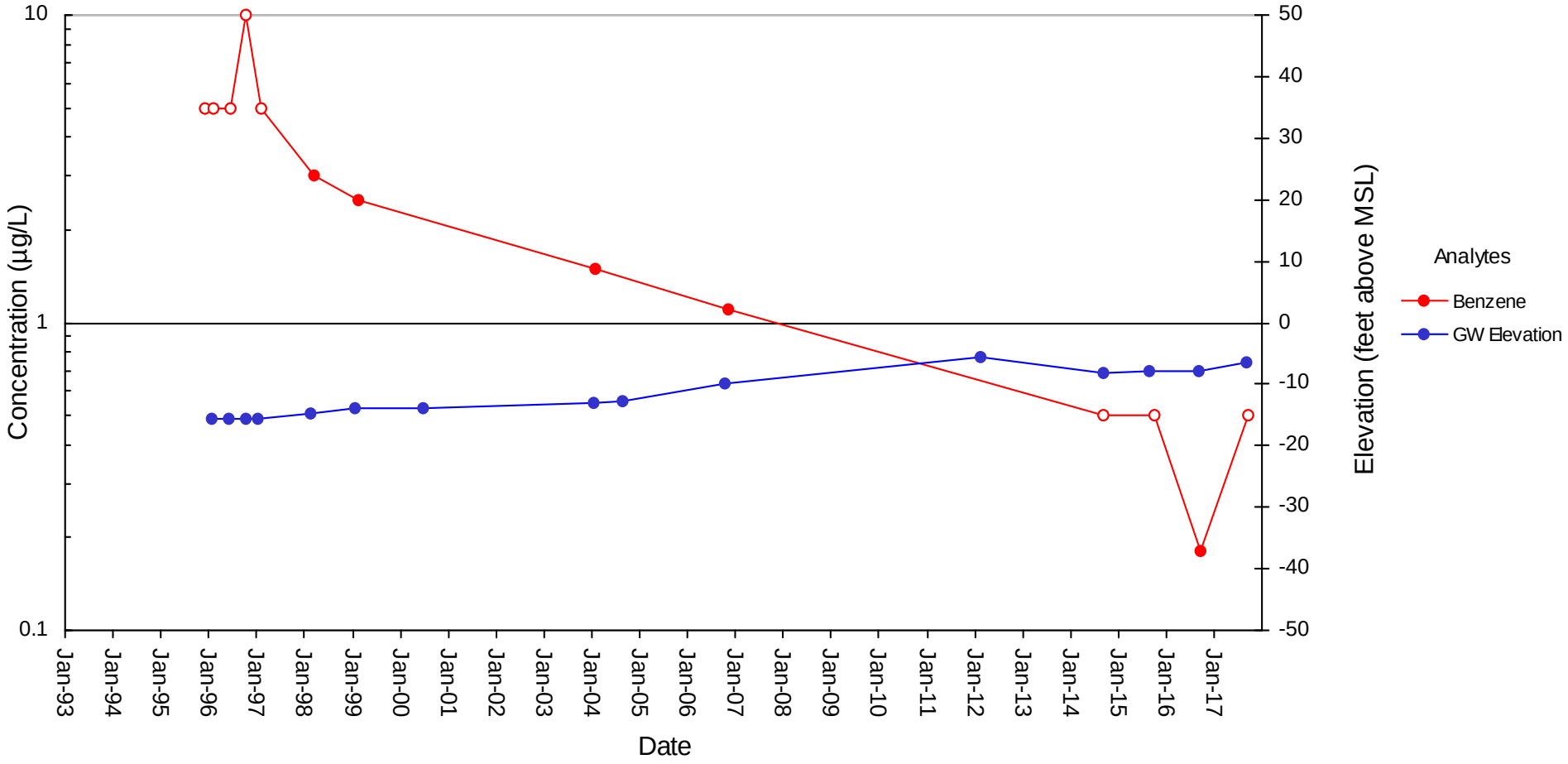
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0057)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



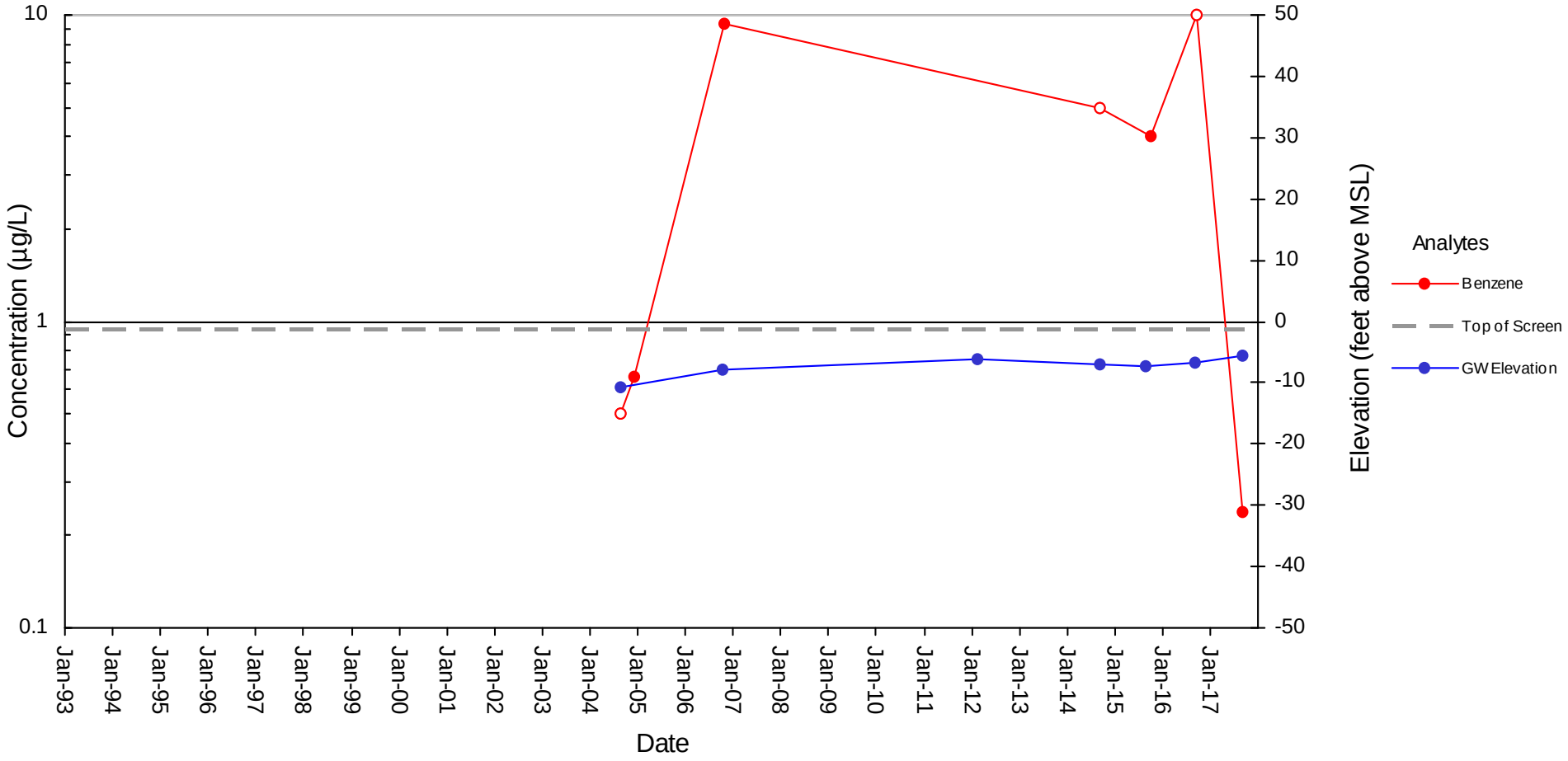
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0058)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



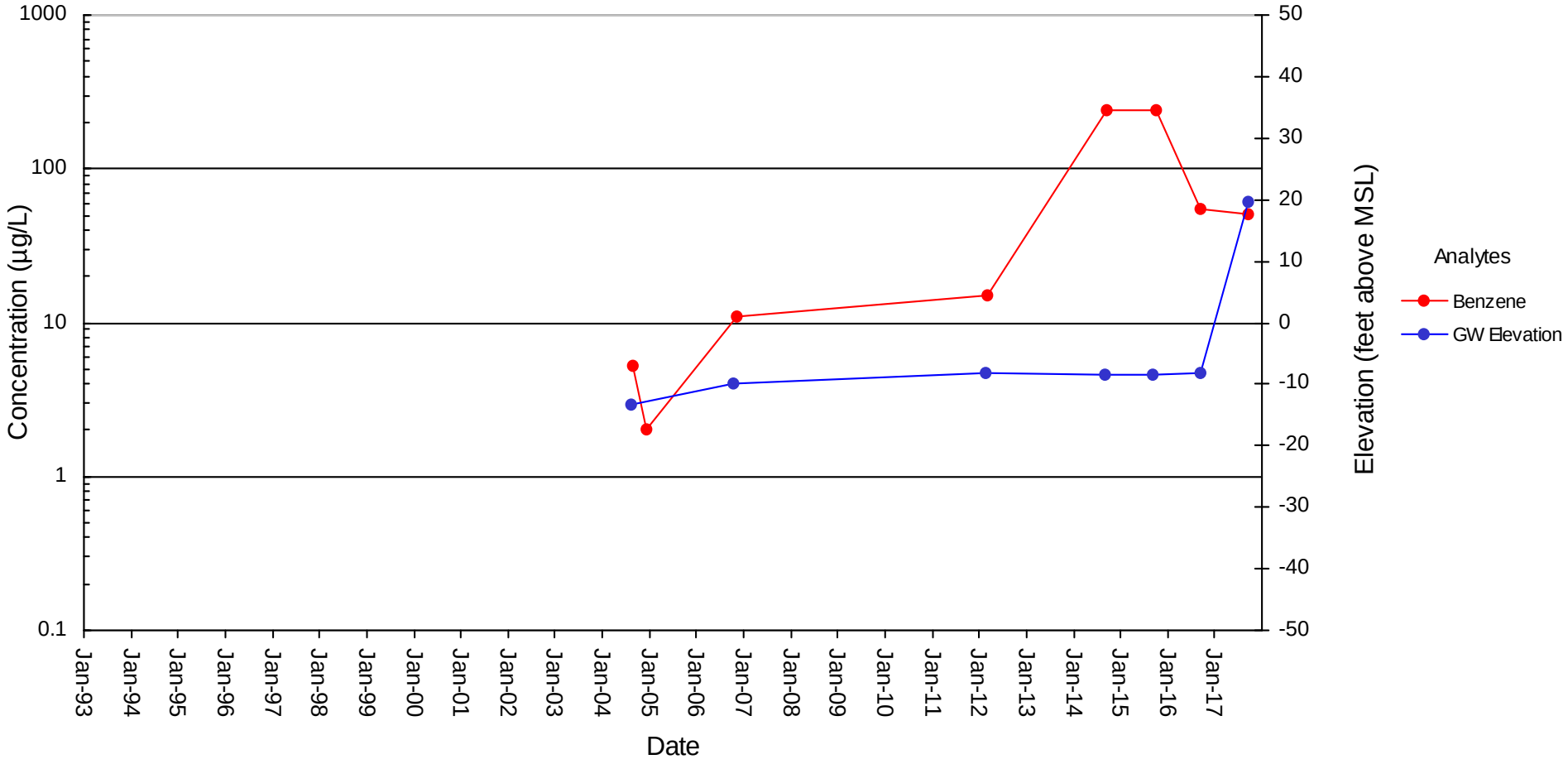
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0059)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



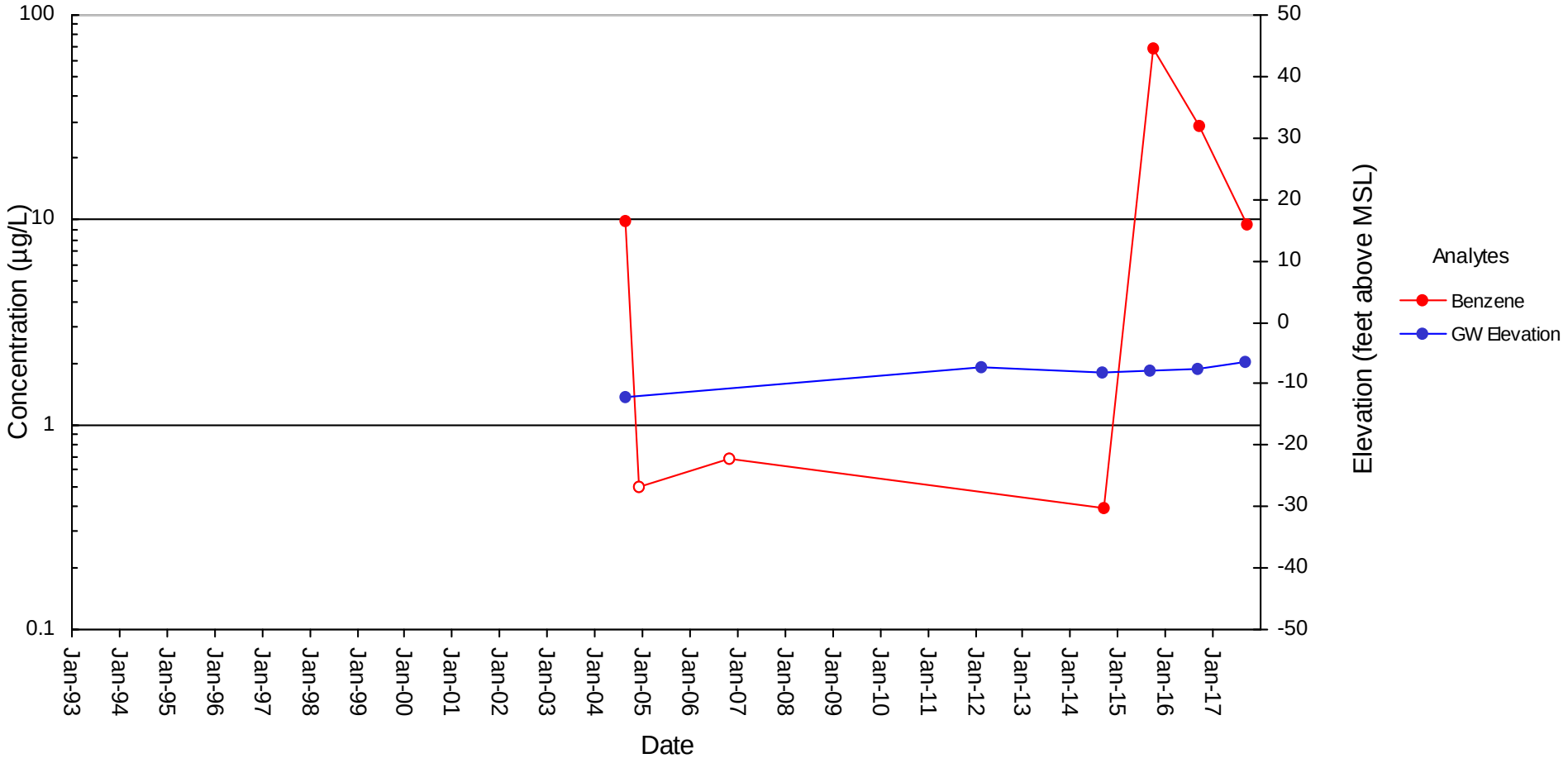
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0060)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



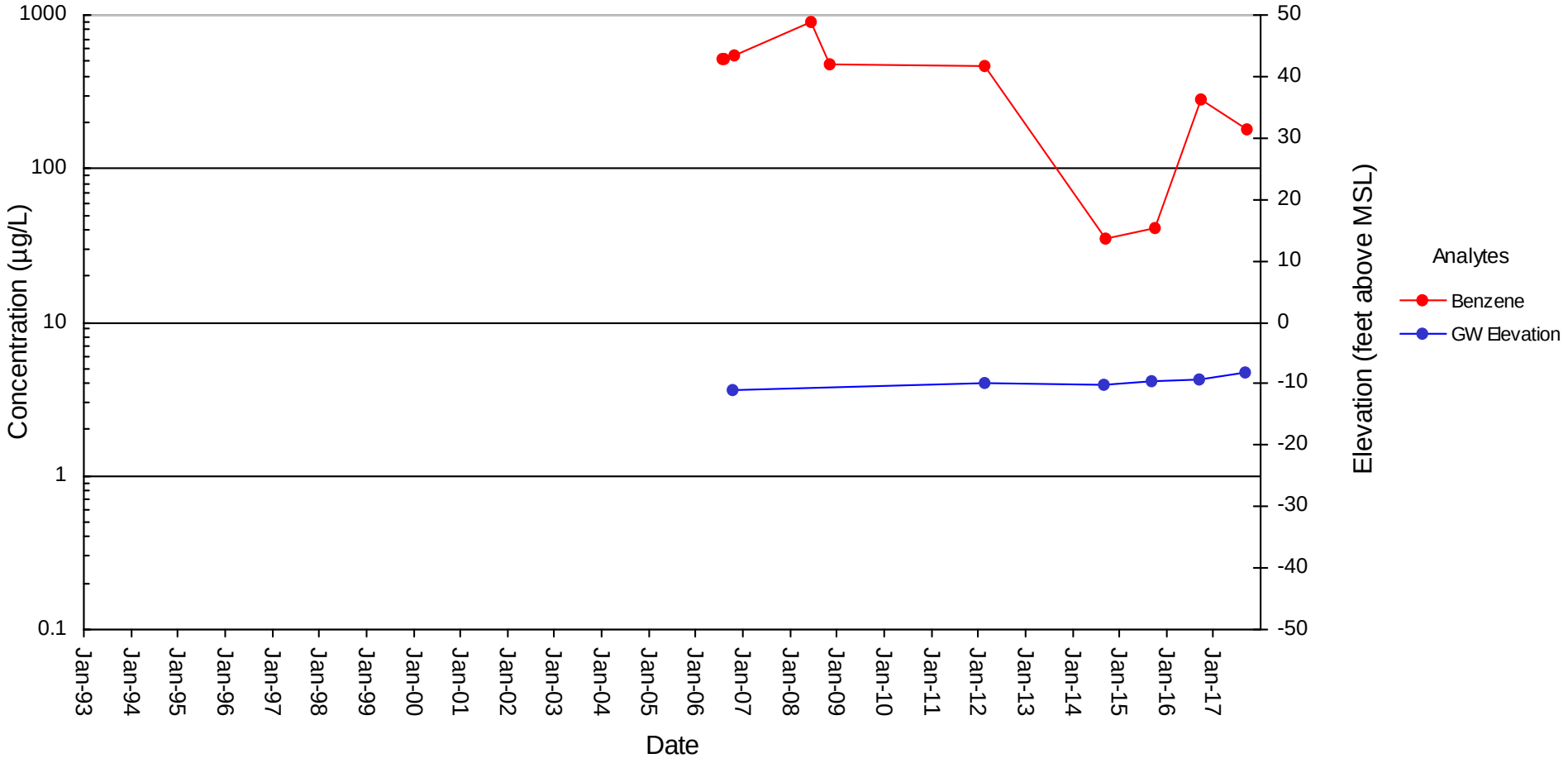
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0061)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



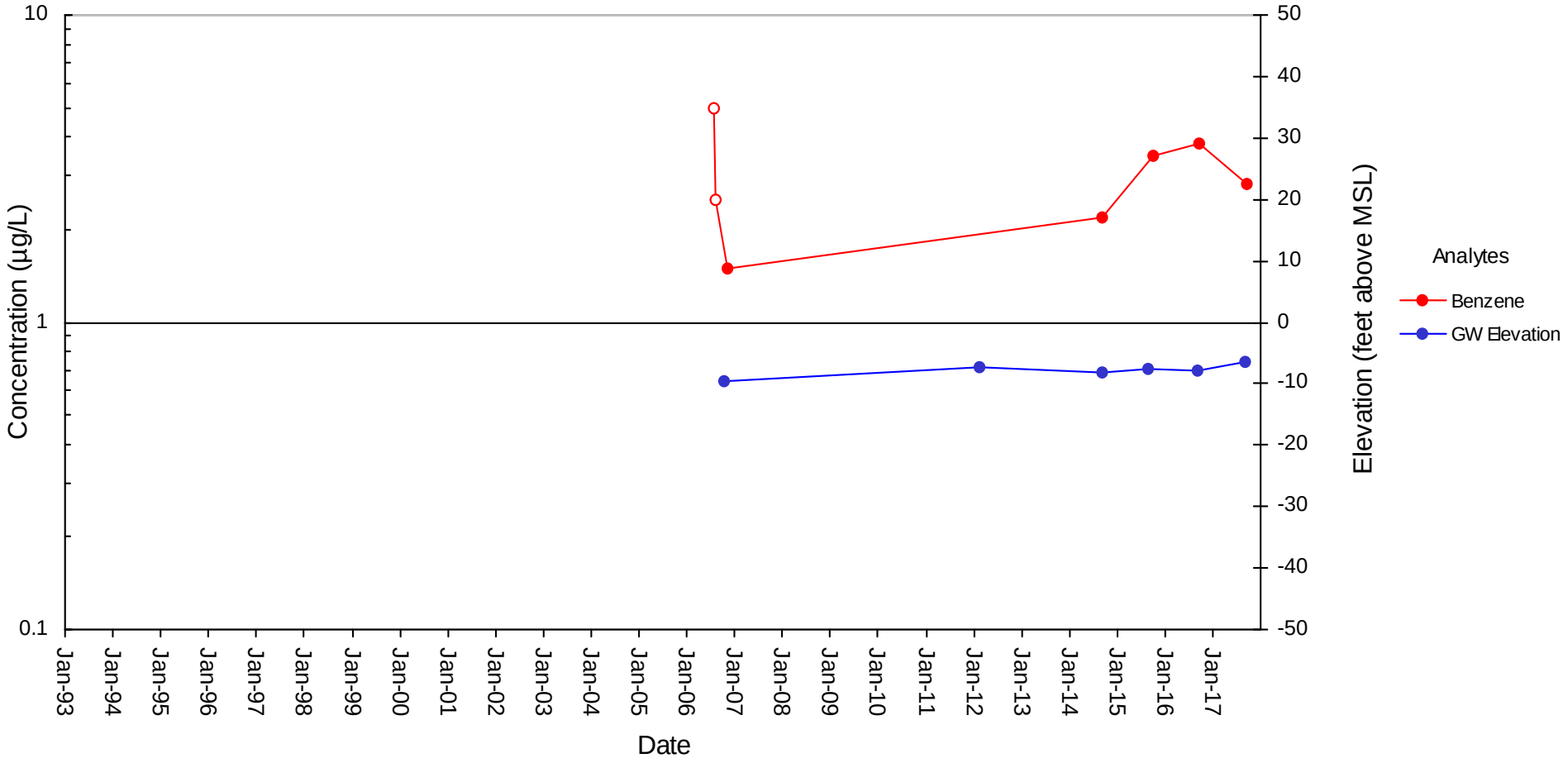
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0063)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



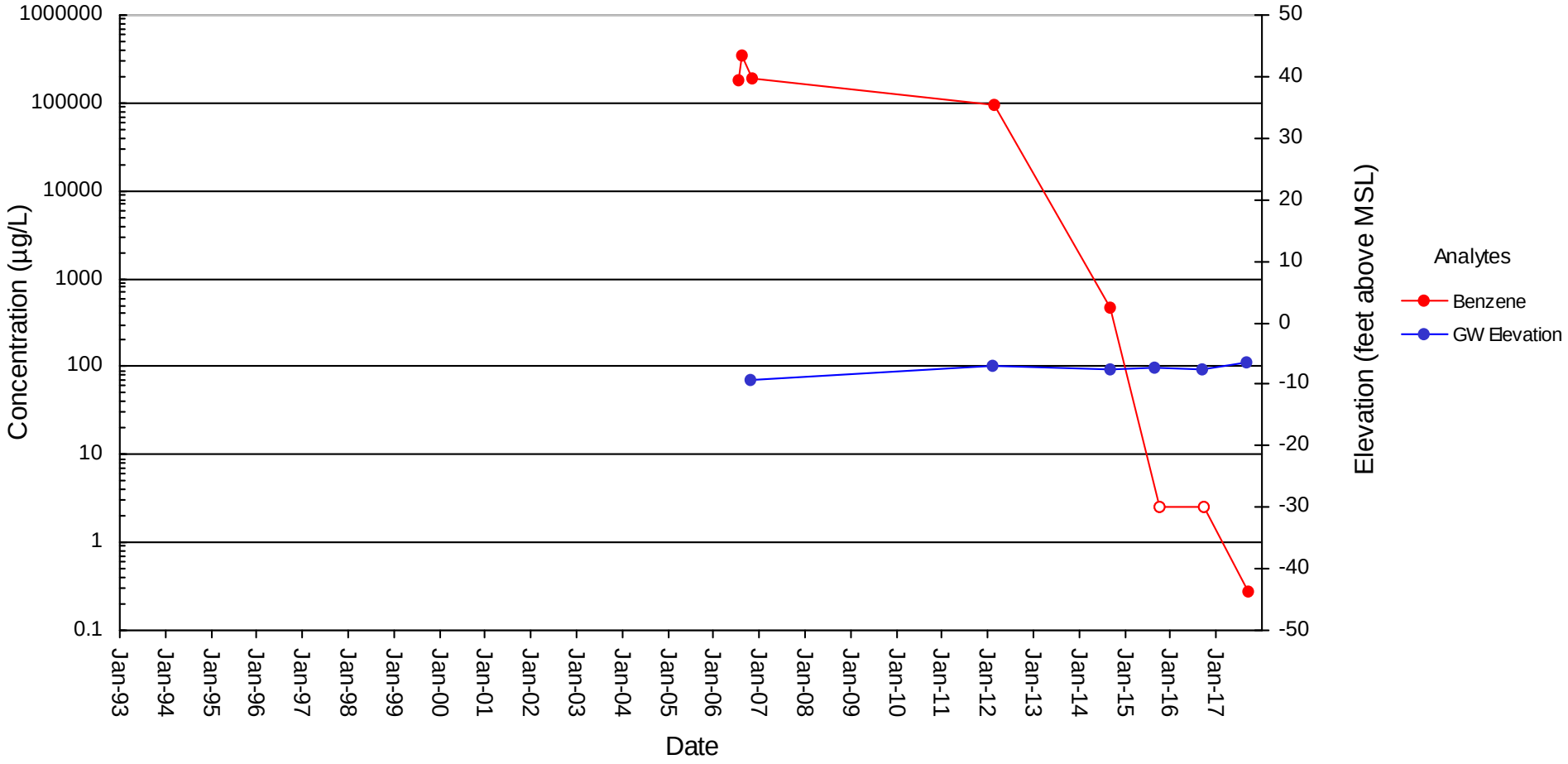
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0064)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



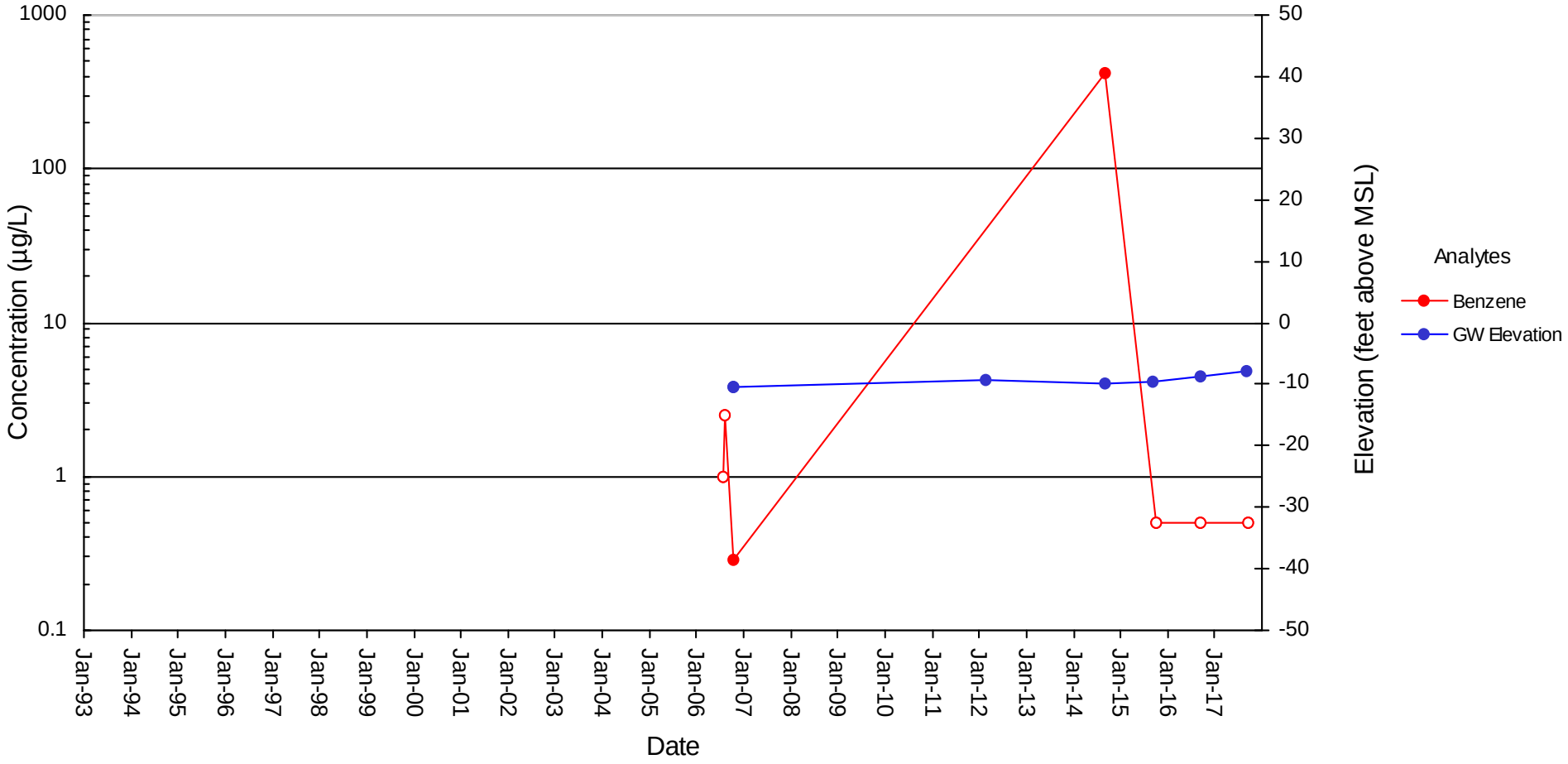
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0065)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



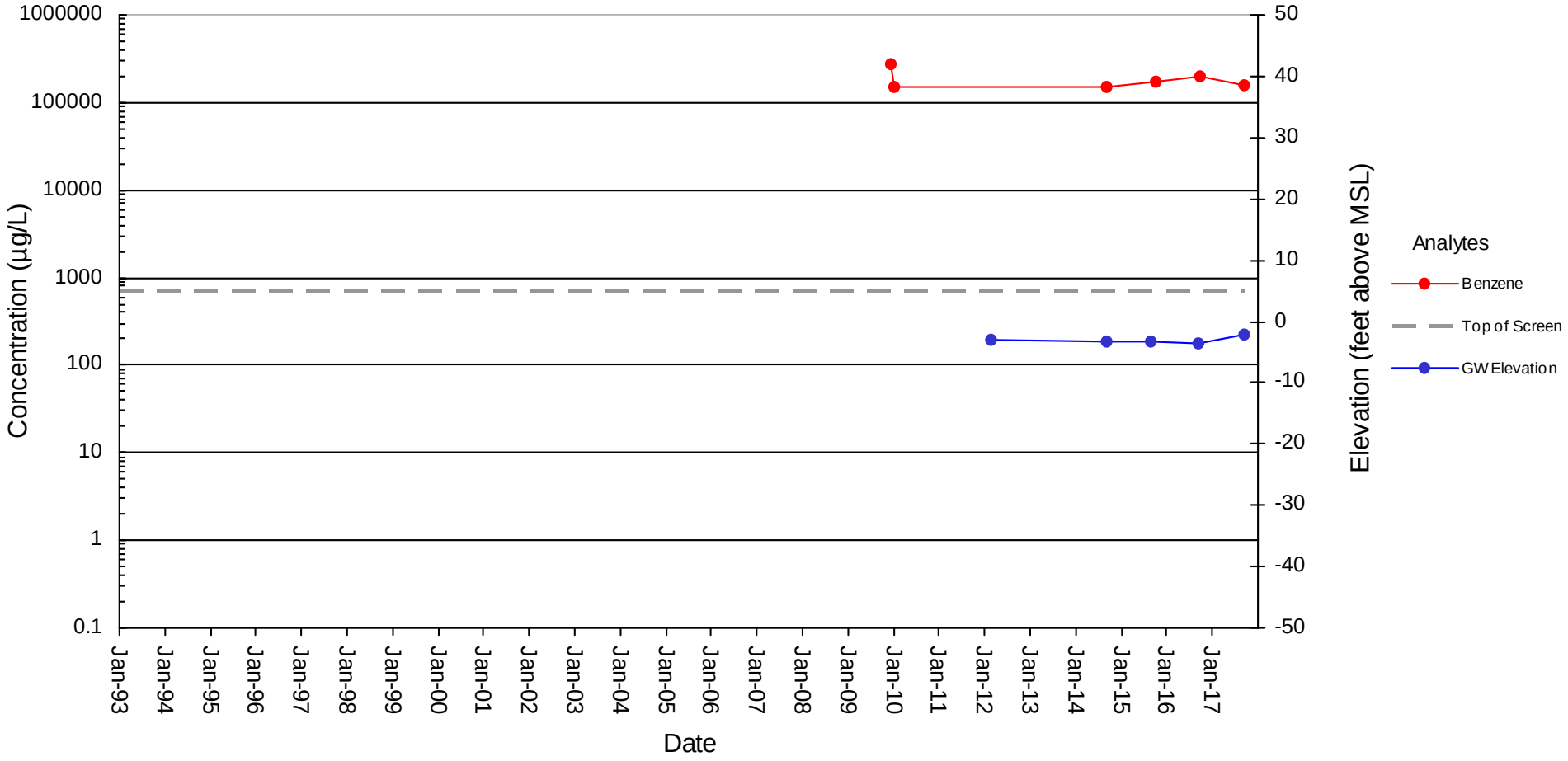
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0066)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



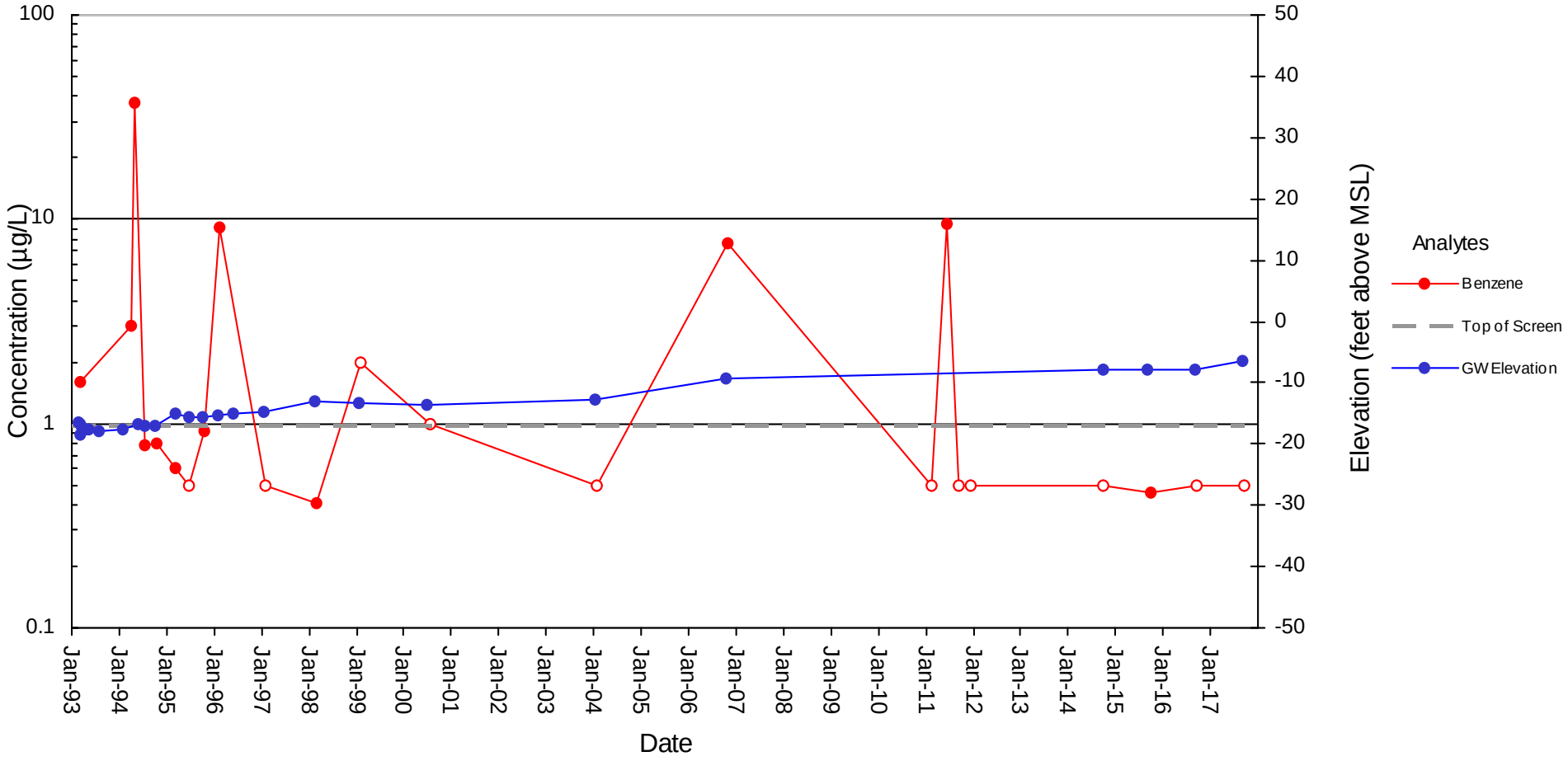
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well SWL0068)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



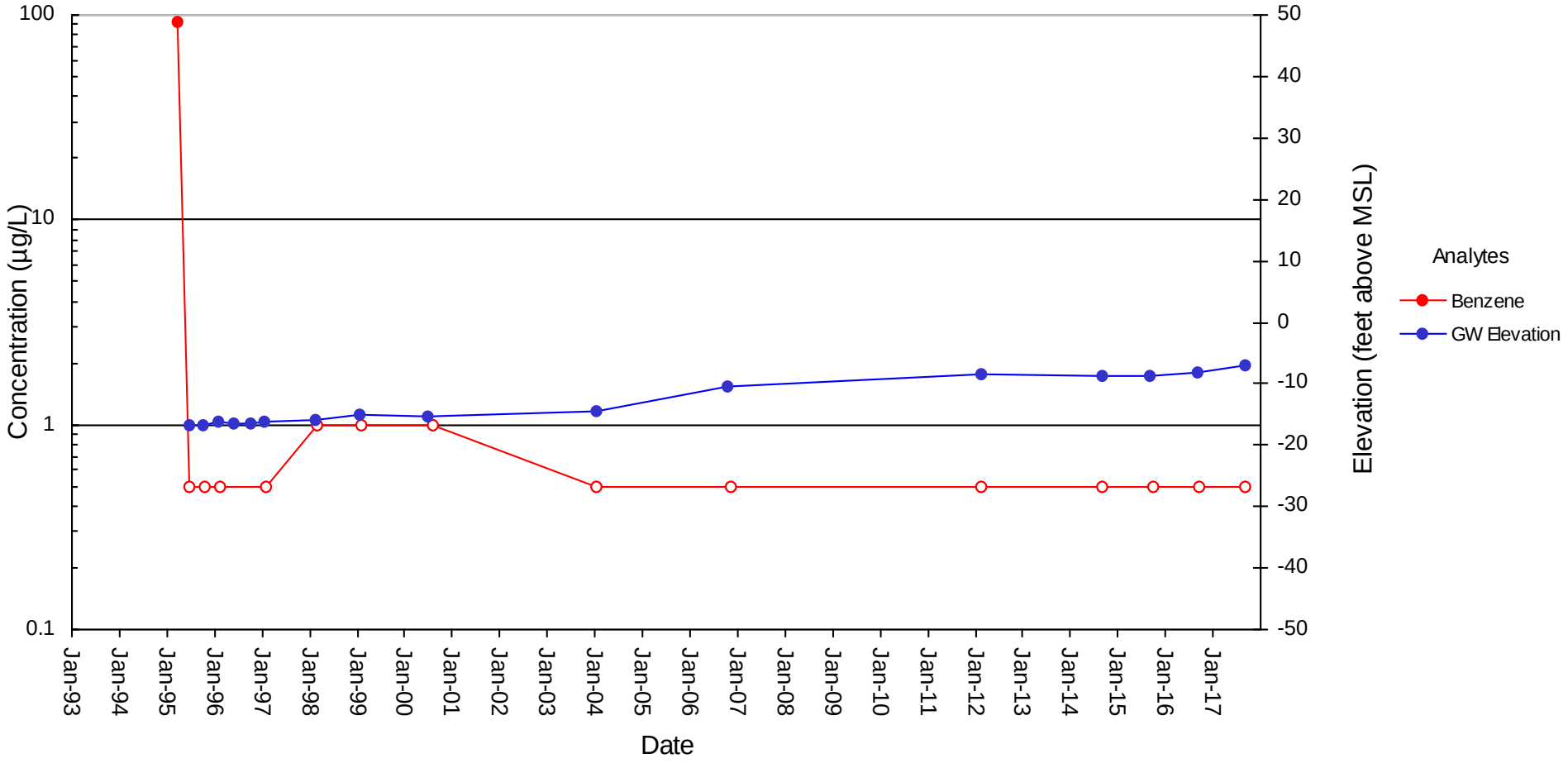
Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well XP-02)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



Notes: Nondetects reported as white circles at the reporting limit

Groundwater Elevations & Benzene Concentrations vs. Time (Well XP-03)
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR



Notes: Nondetects reported as white circles at the reporting limit

Appendix L

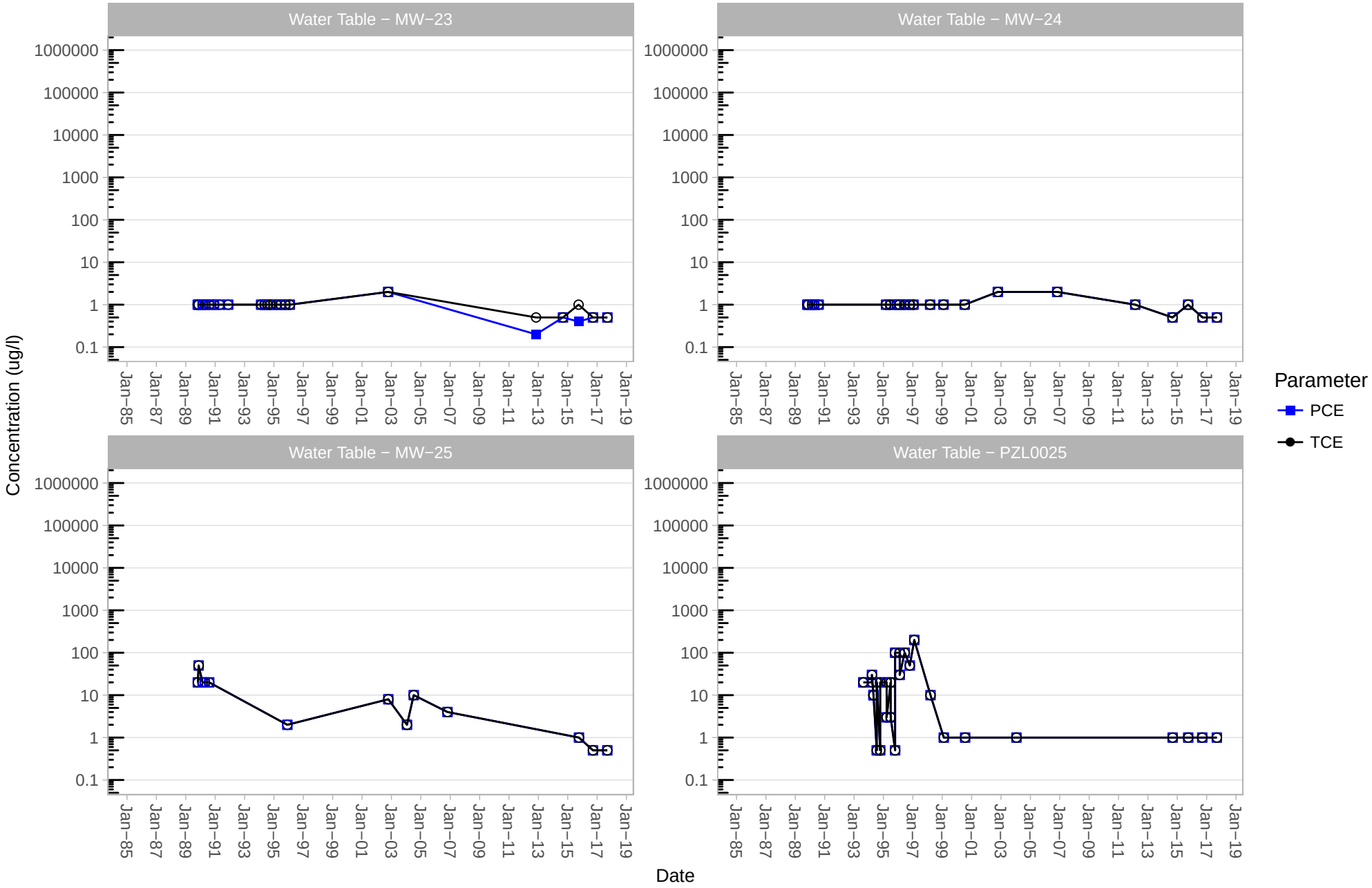
TCE and PCE Concentration vs. Time Graphs

The following Concentration vs. Time Graphs are sorted first by aquifer designation, and then alpha-numerically by well name. The aquifer order is as follows:

- Water Table
- Water Table / Middle Bellflower B Sand
- Water Table / Middle Bellflower C Sand
- Middle Bellflower B Sand
- Middle Bellflower B Sand / Middle Bellflower C Sand
- Middle Bellflower C Sand
- Gage
- Lynwood

Appendix L − Graph 1 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

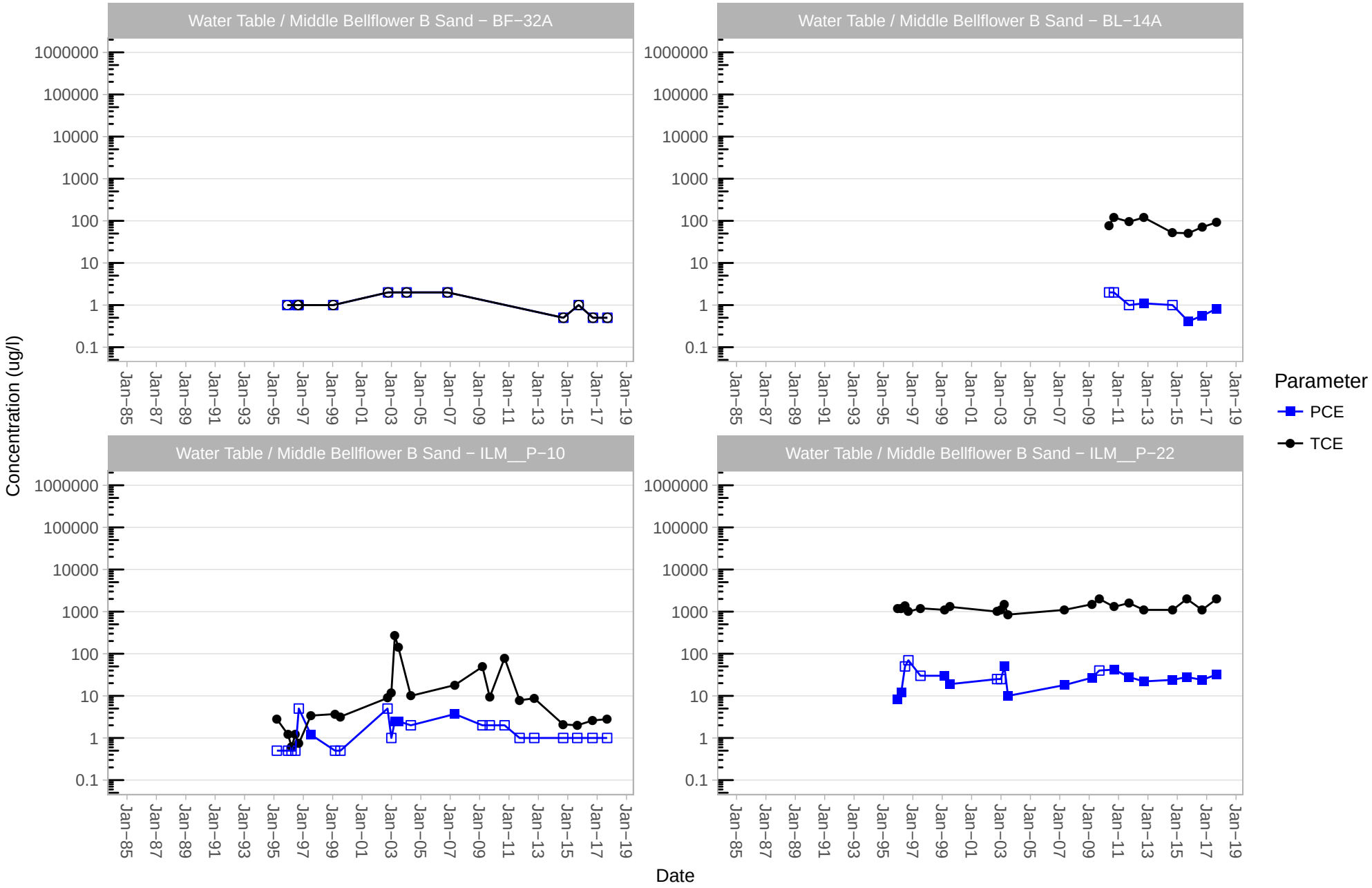
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 2 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

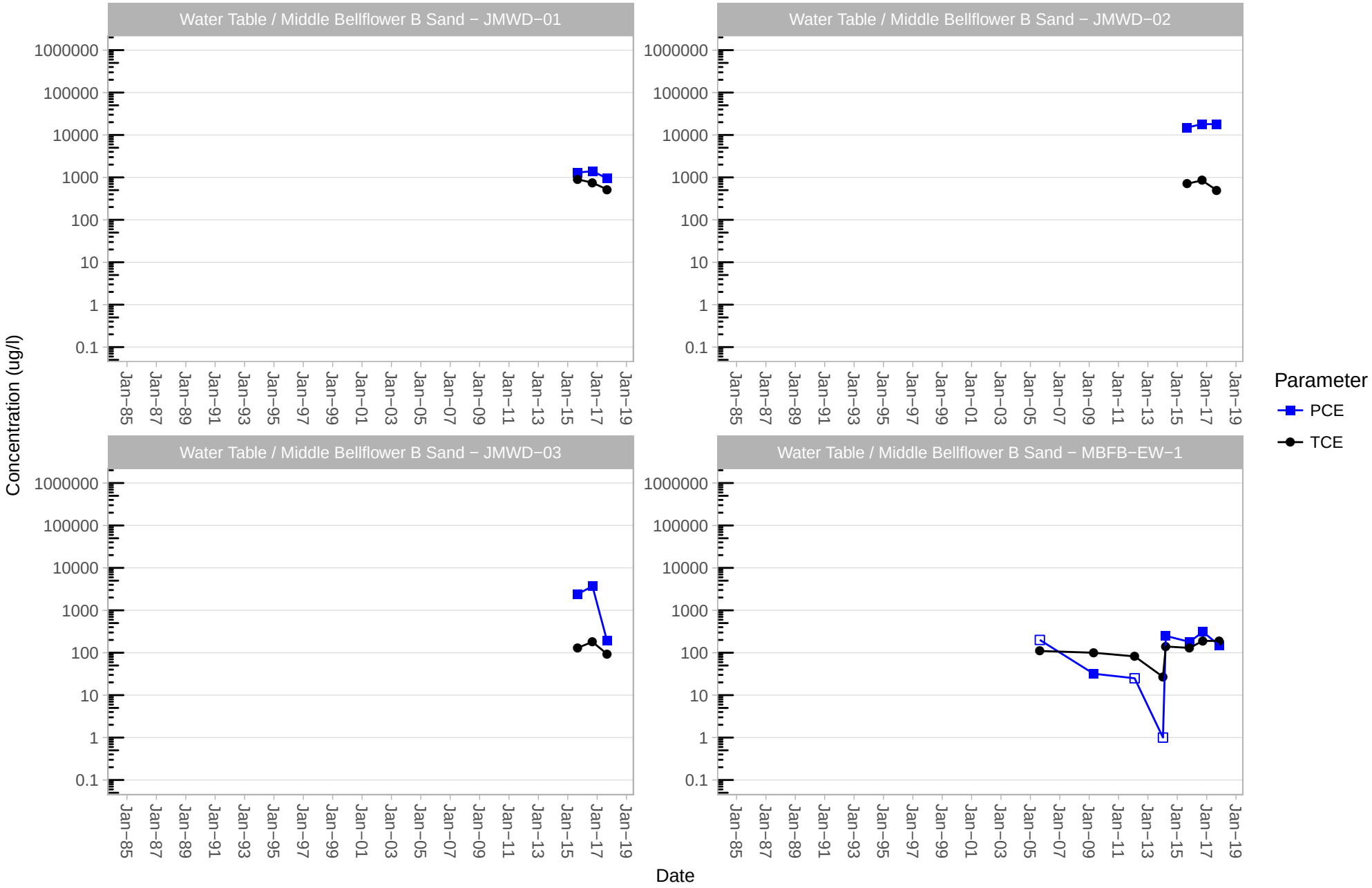
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 3 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

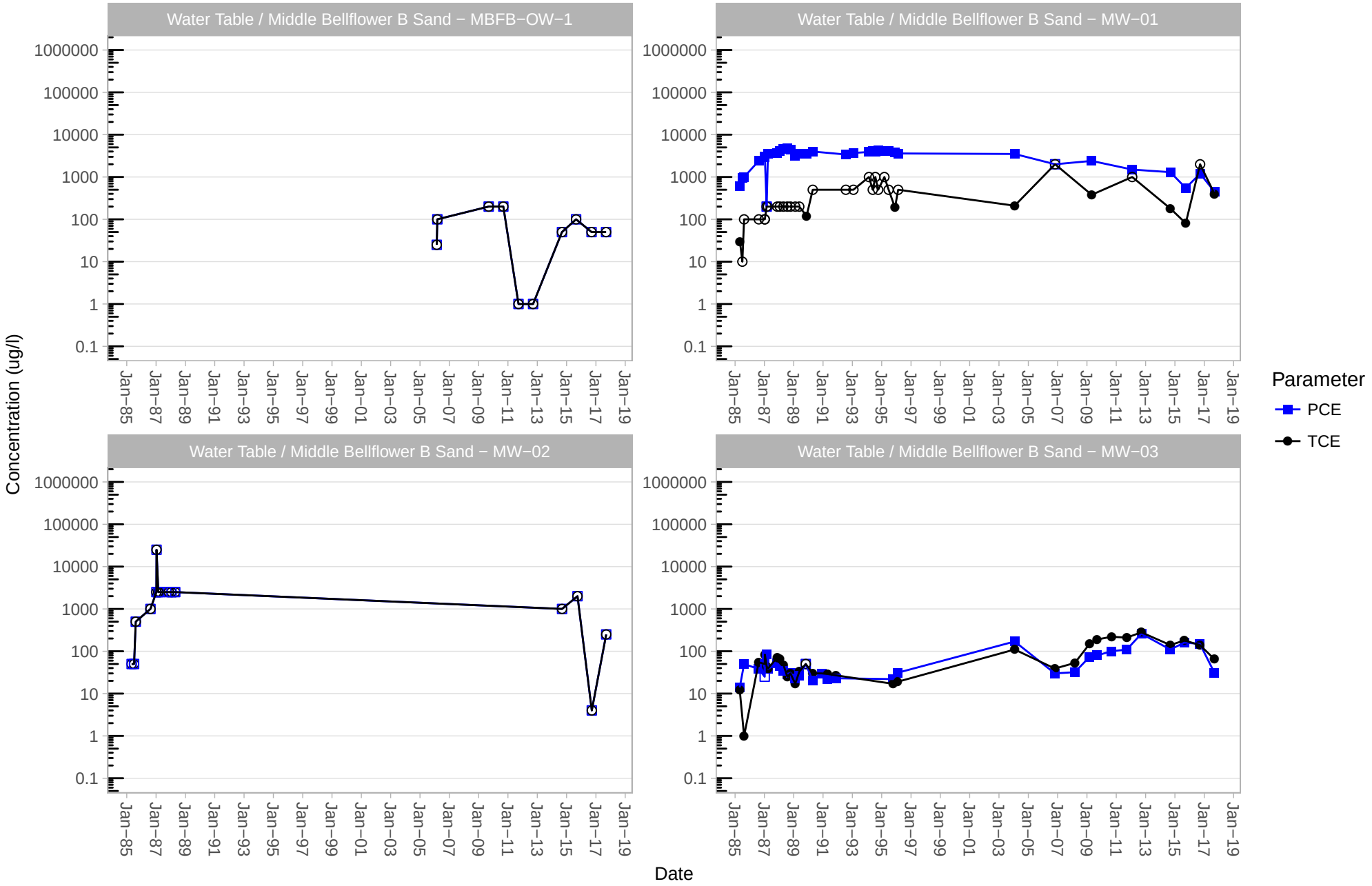
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 4 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

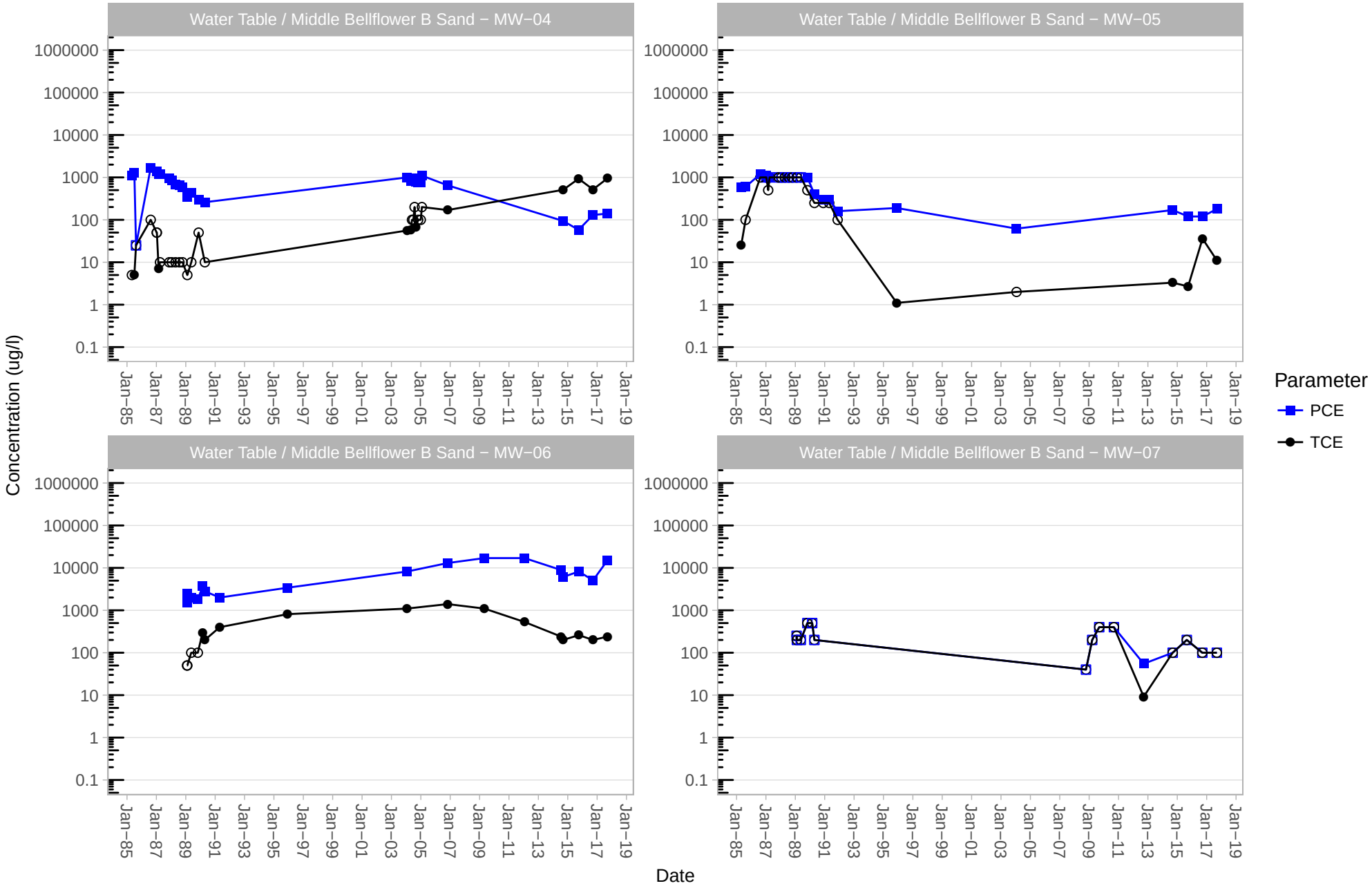
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 5 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

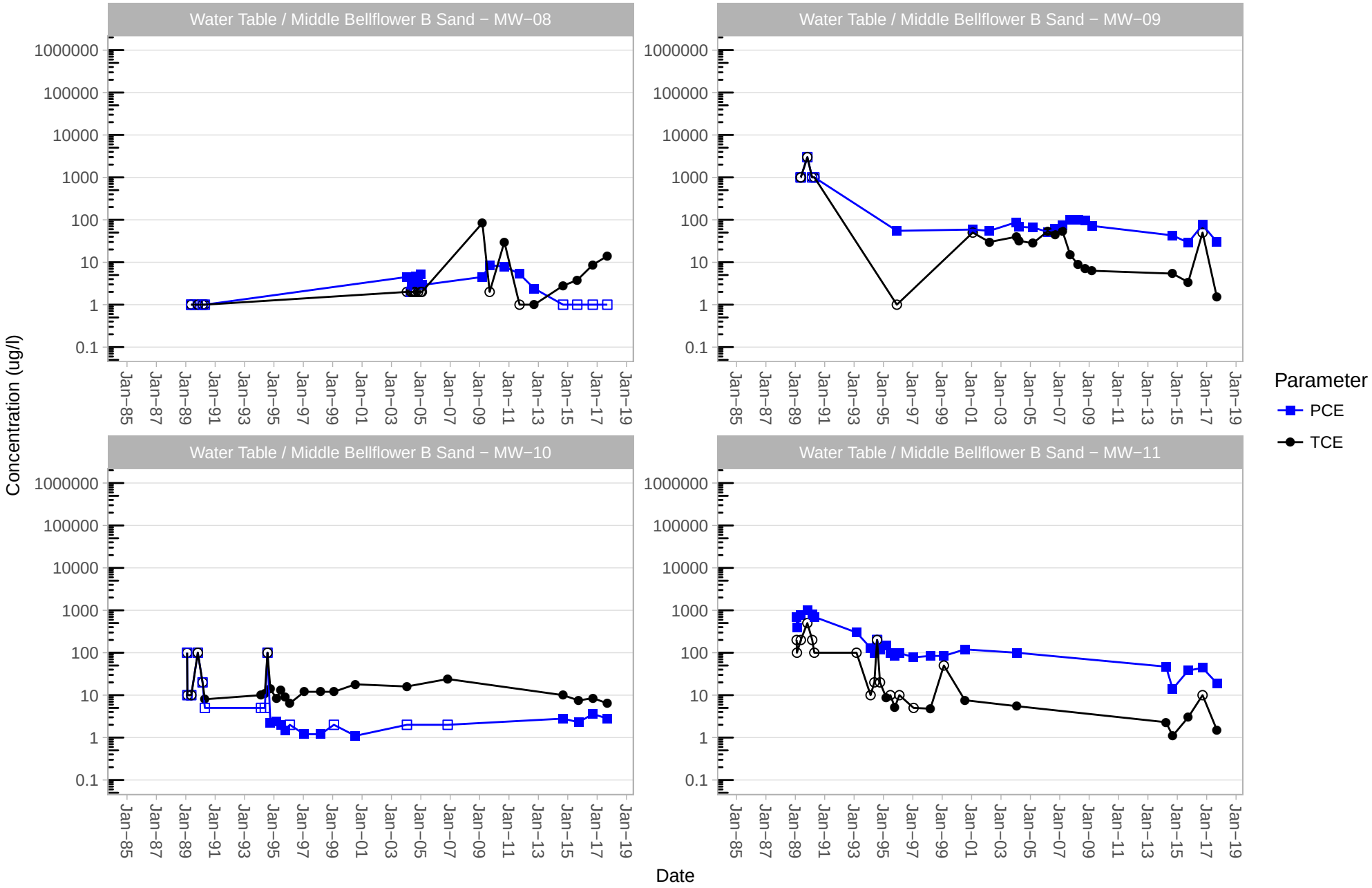
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 6 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

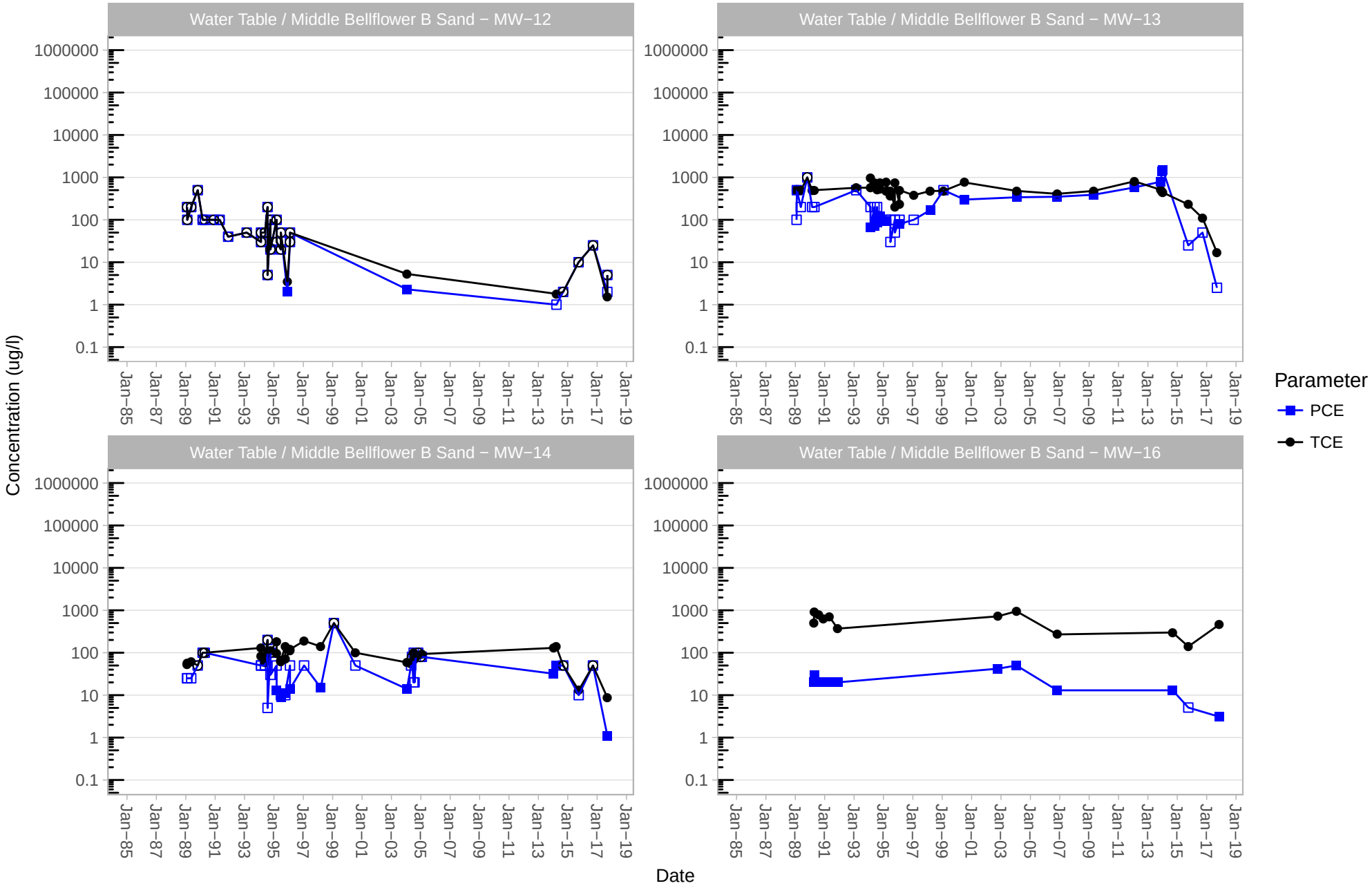
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 7 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

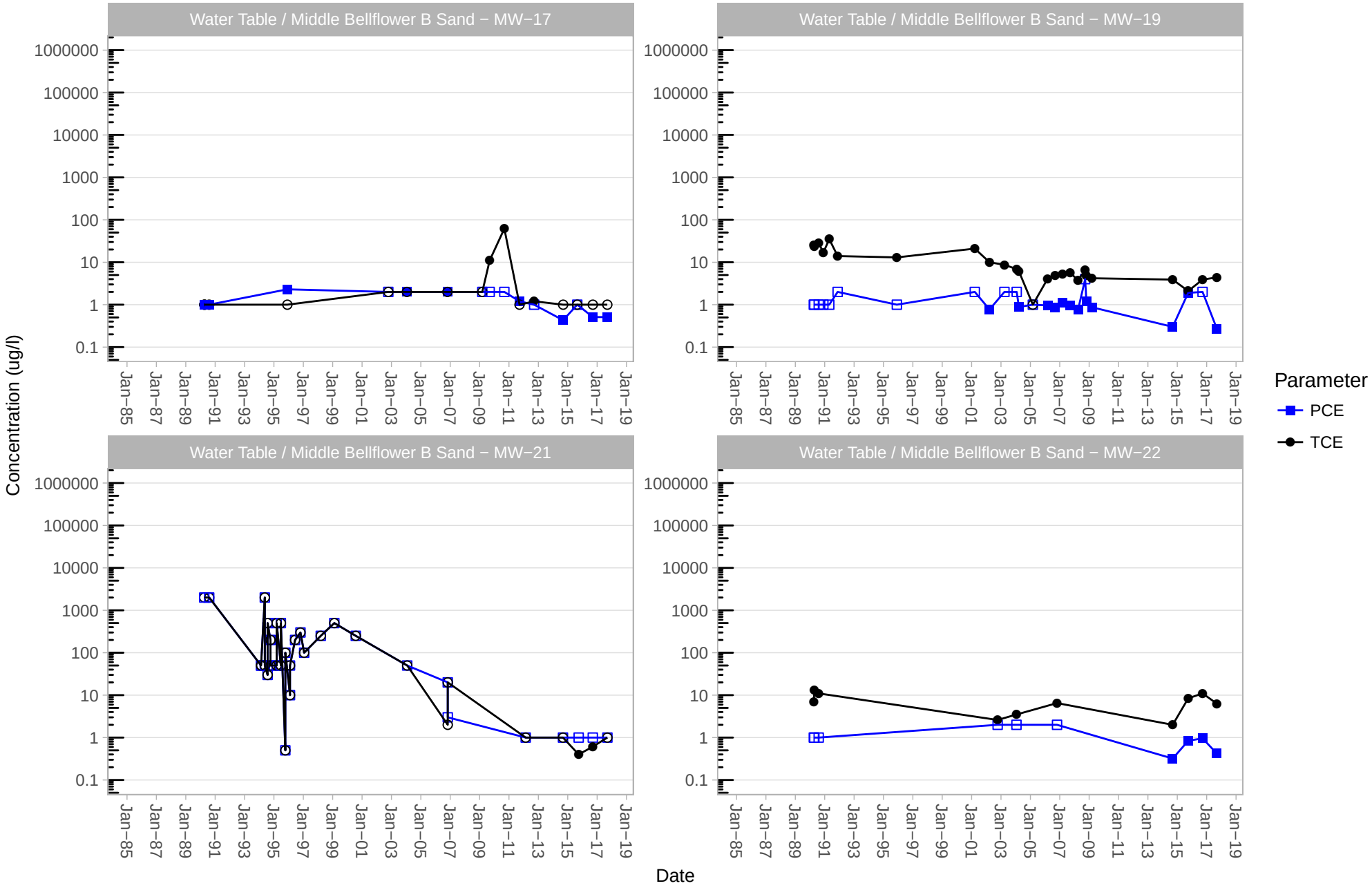
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 8 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

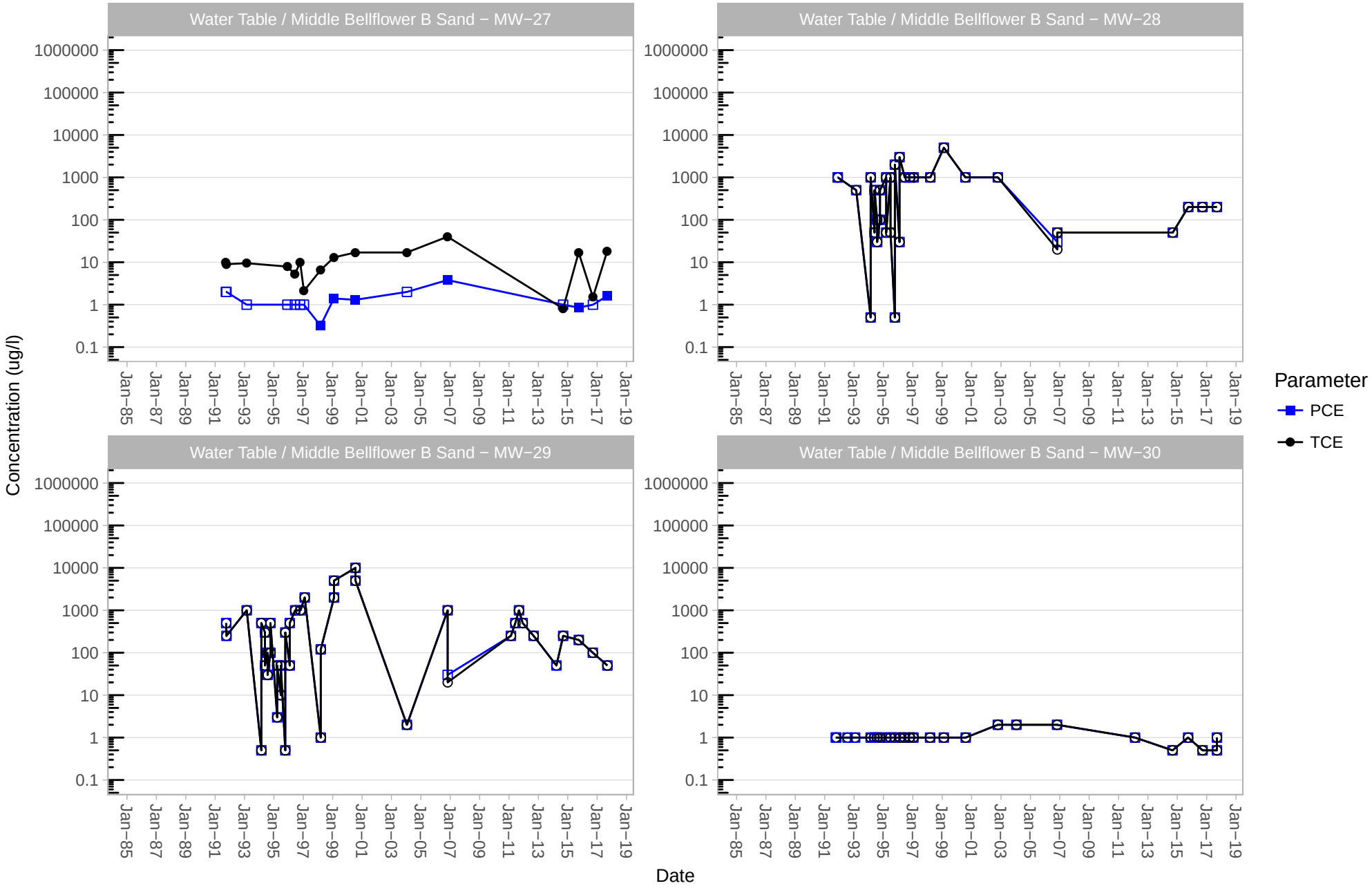
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 9 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

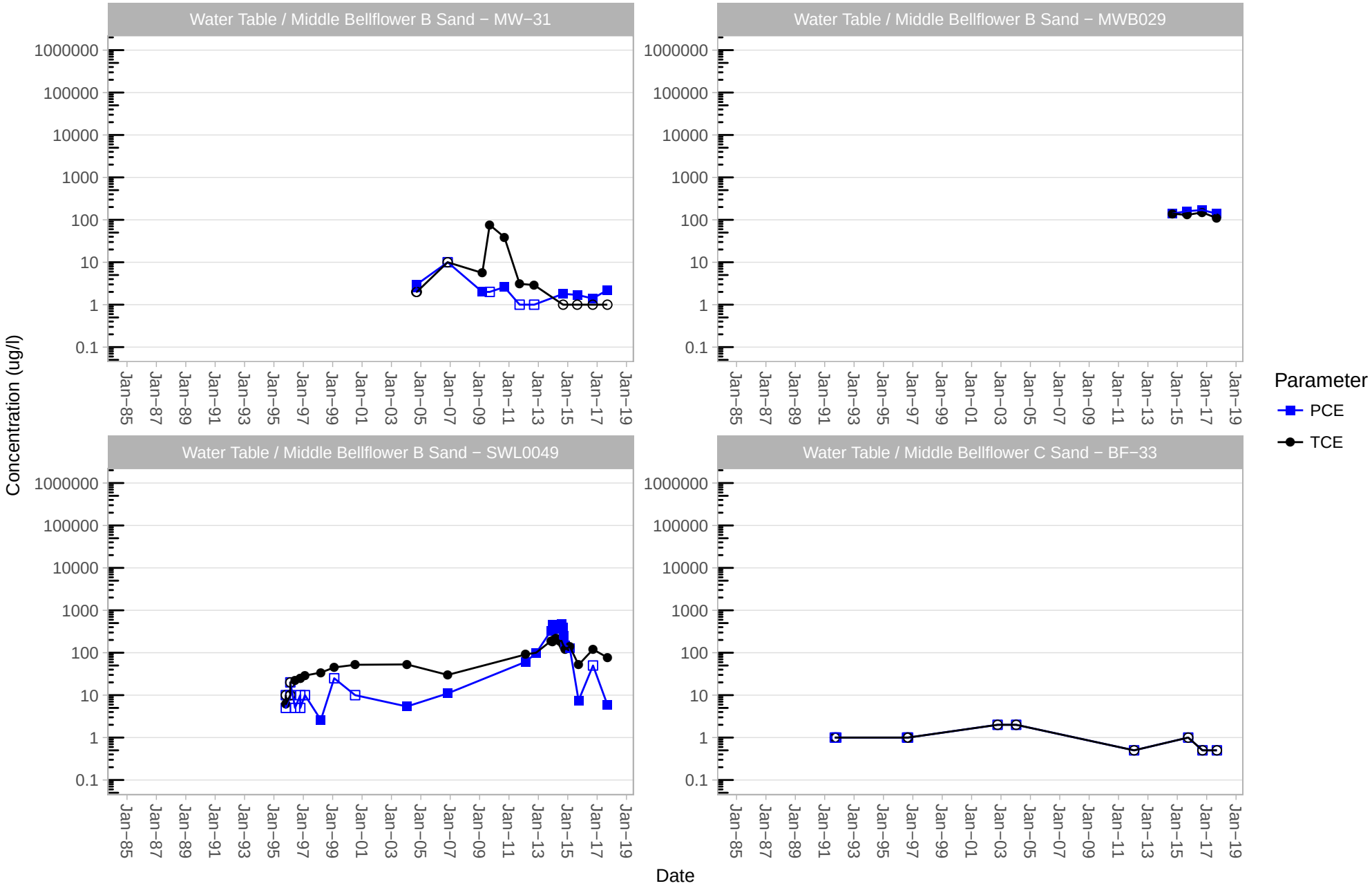
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 10 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

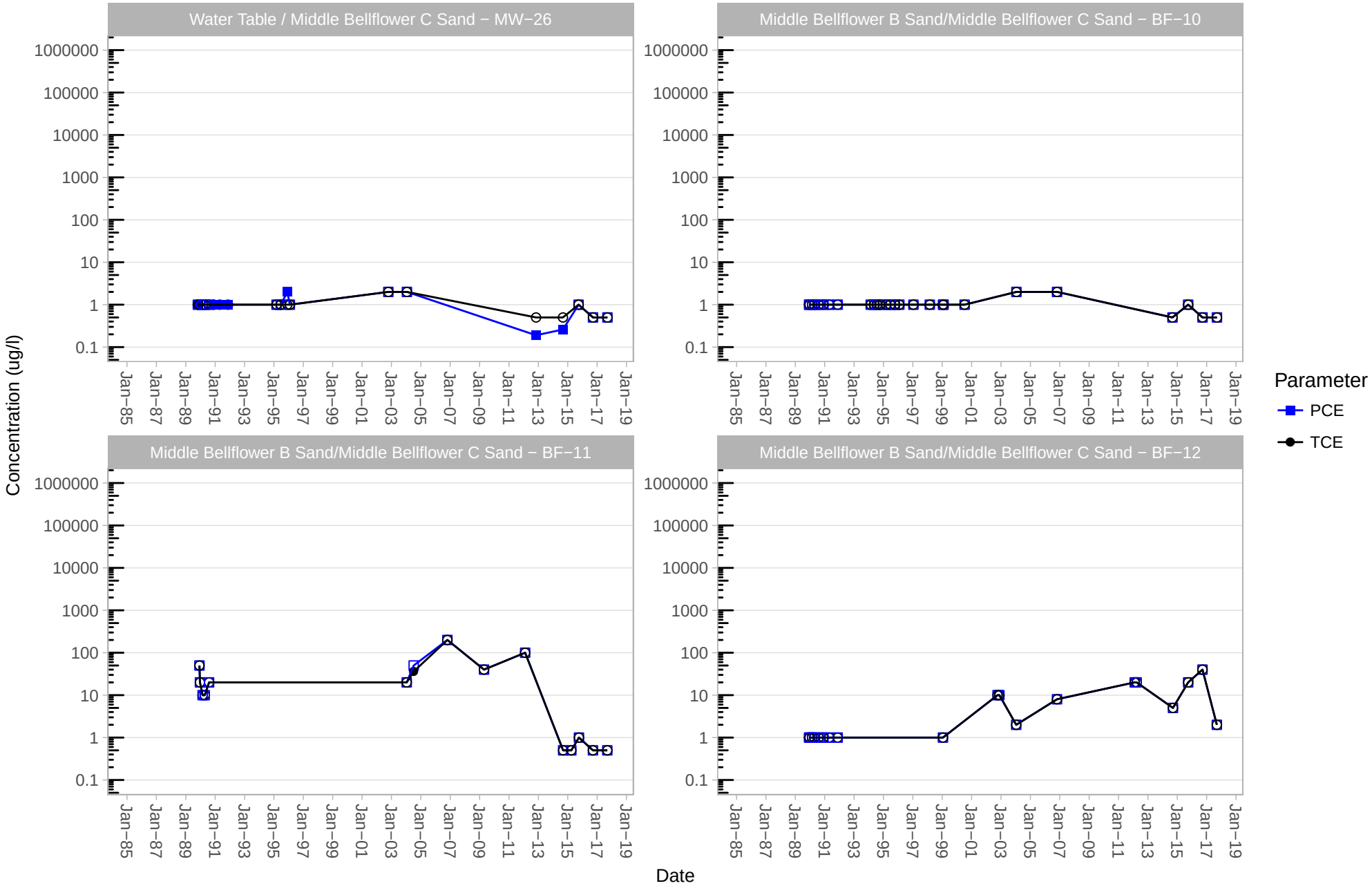
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 11 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

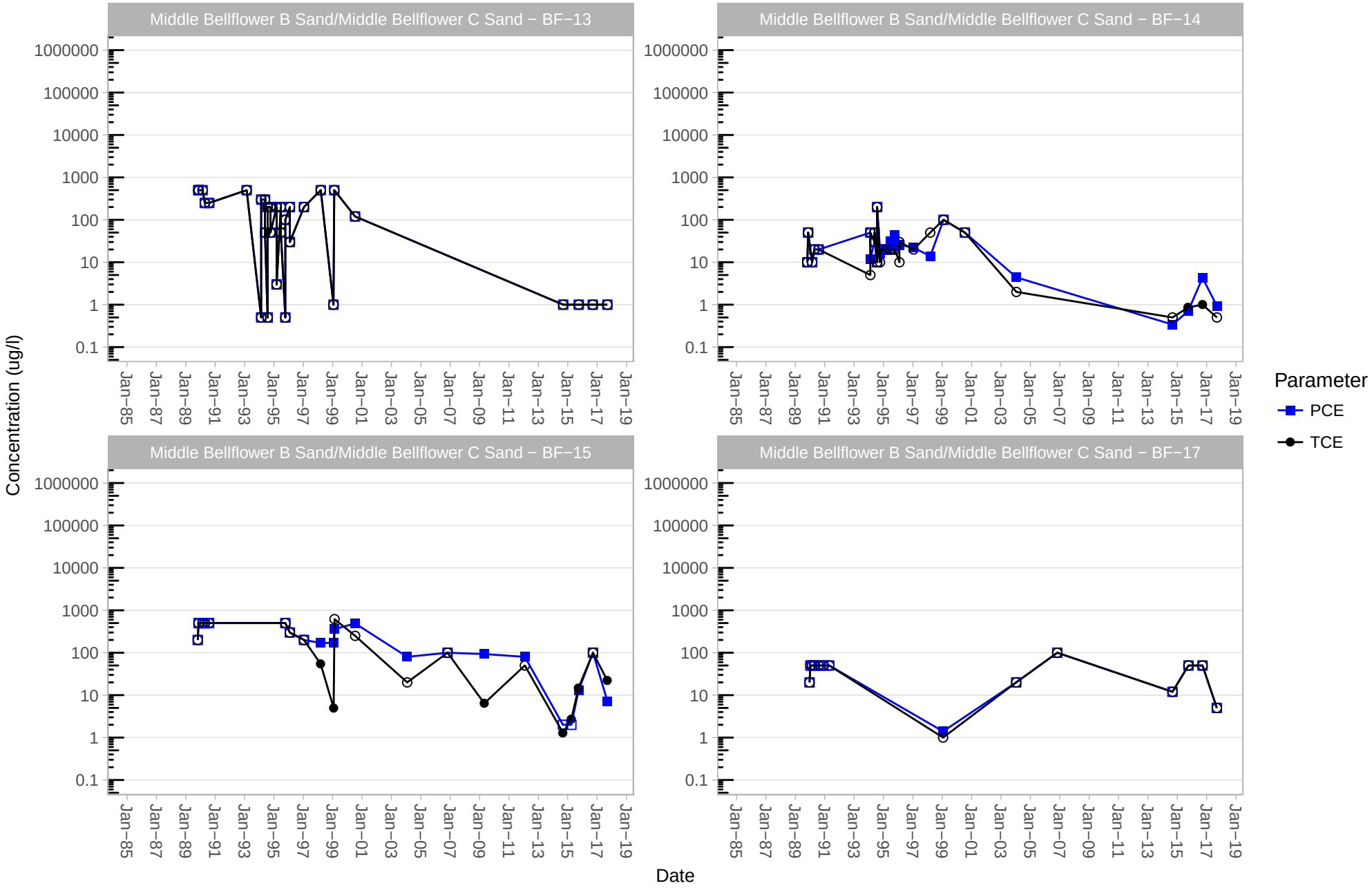
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 12 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

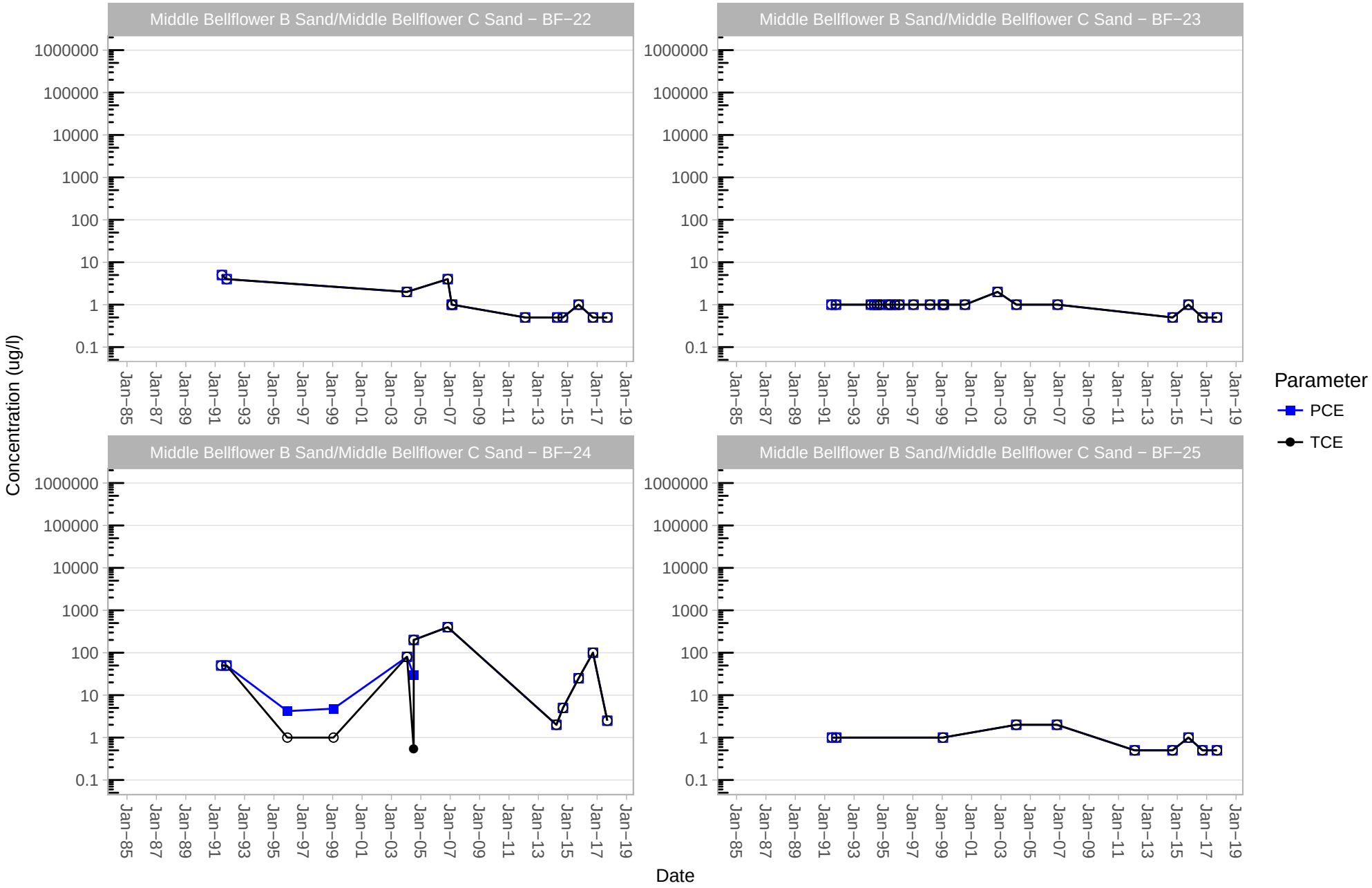
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 13 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

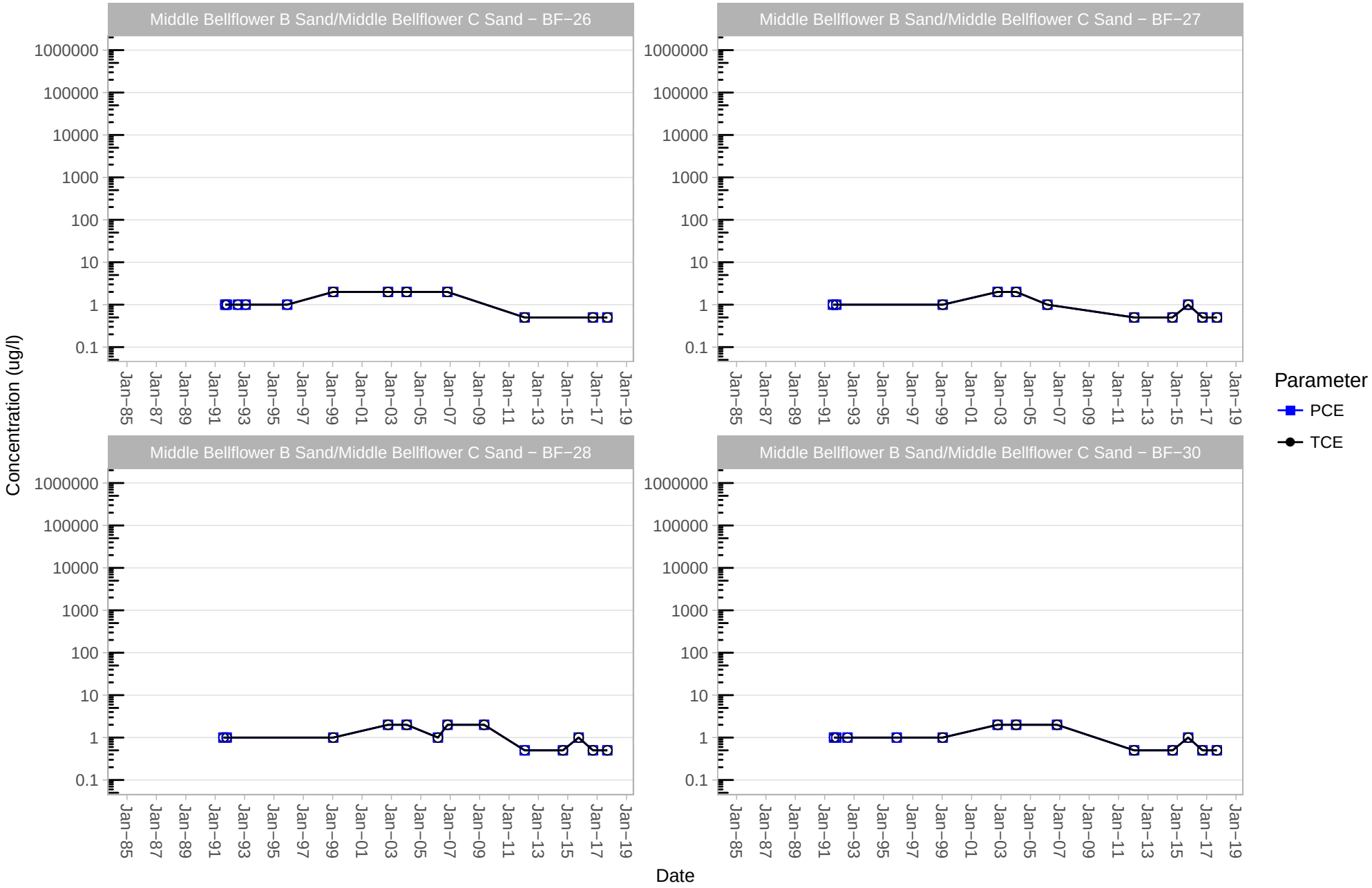
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 14 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

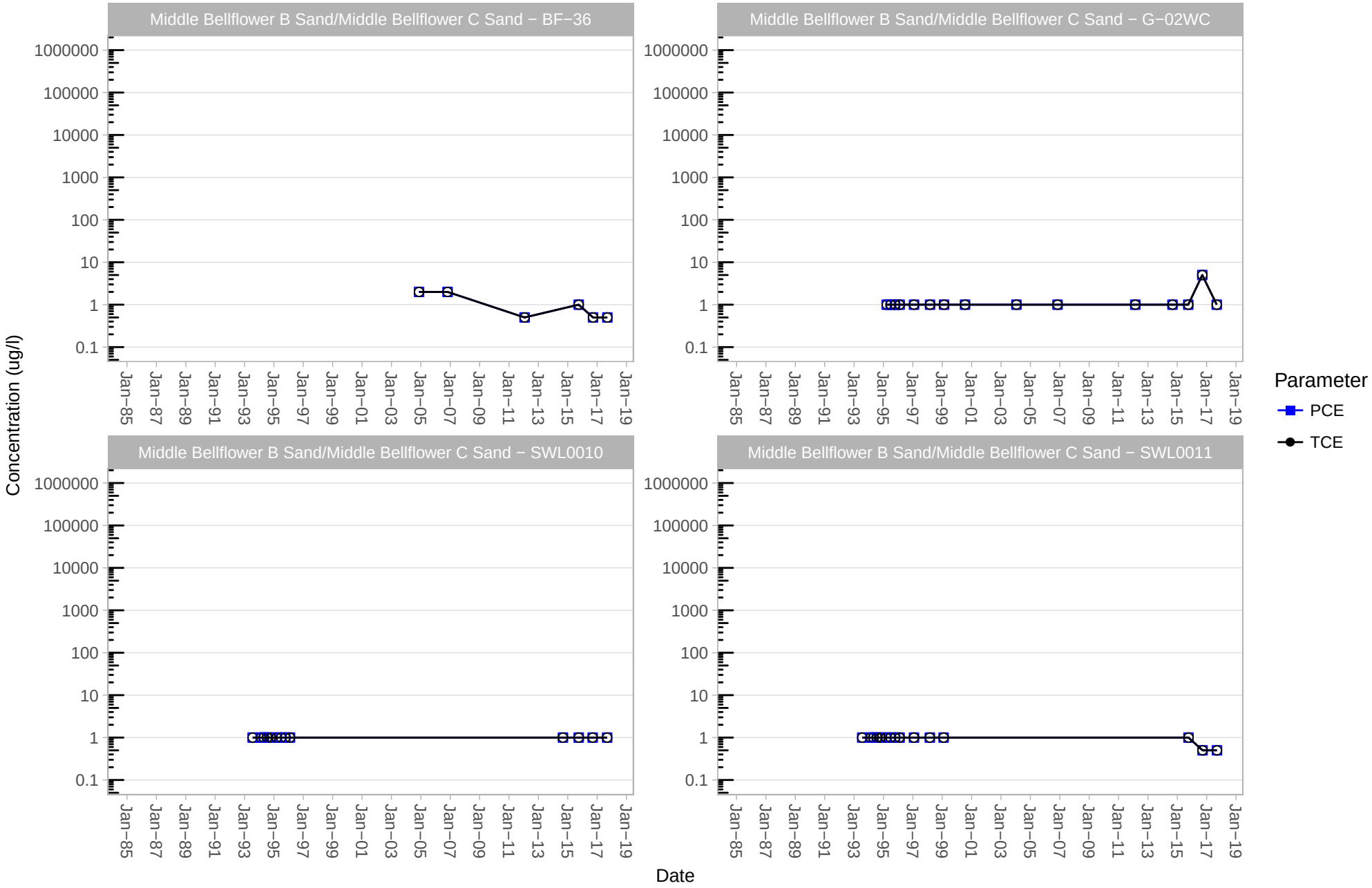
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 15 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

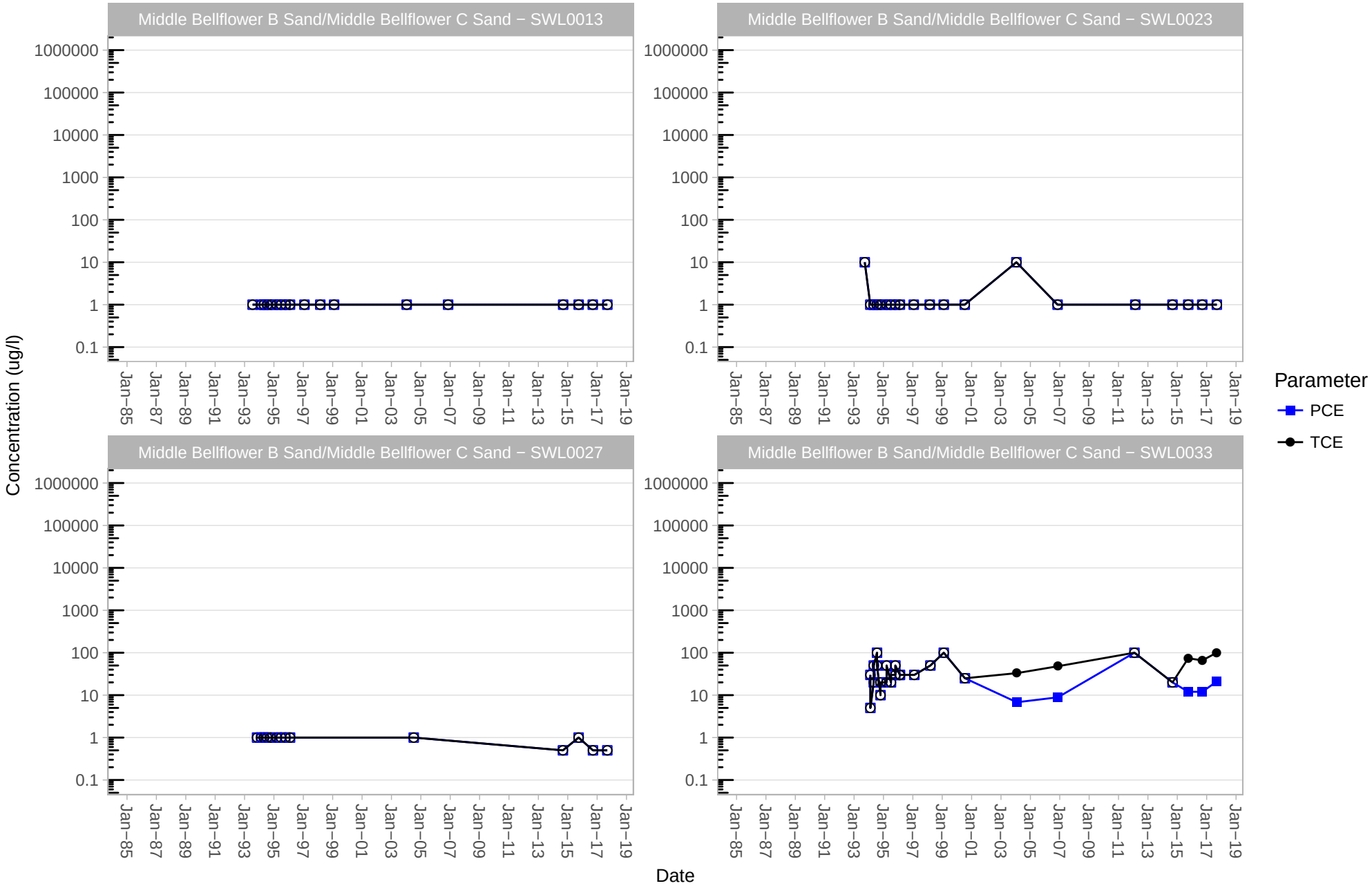
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 16 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

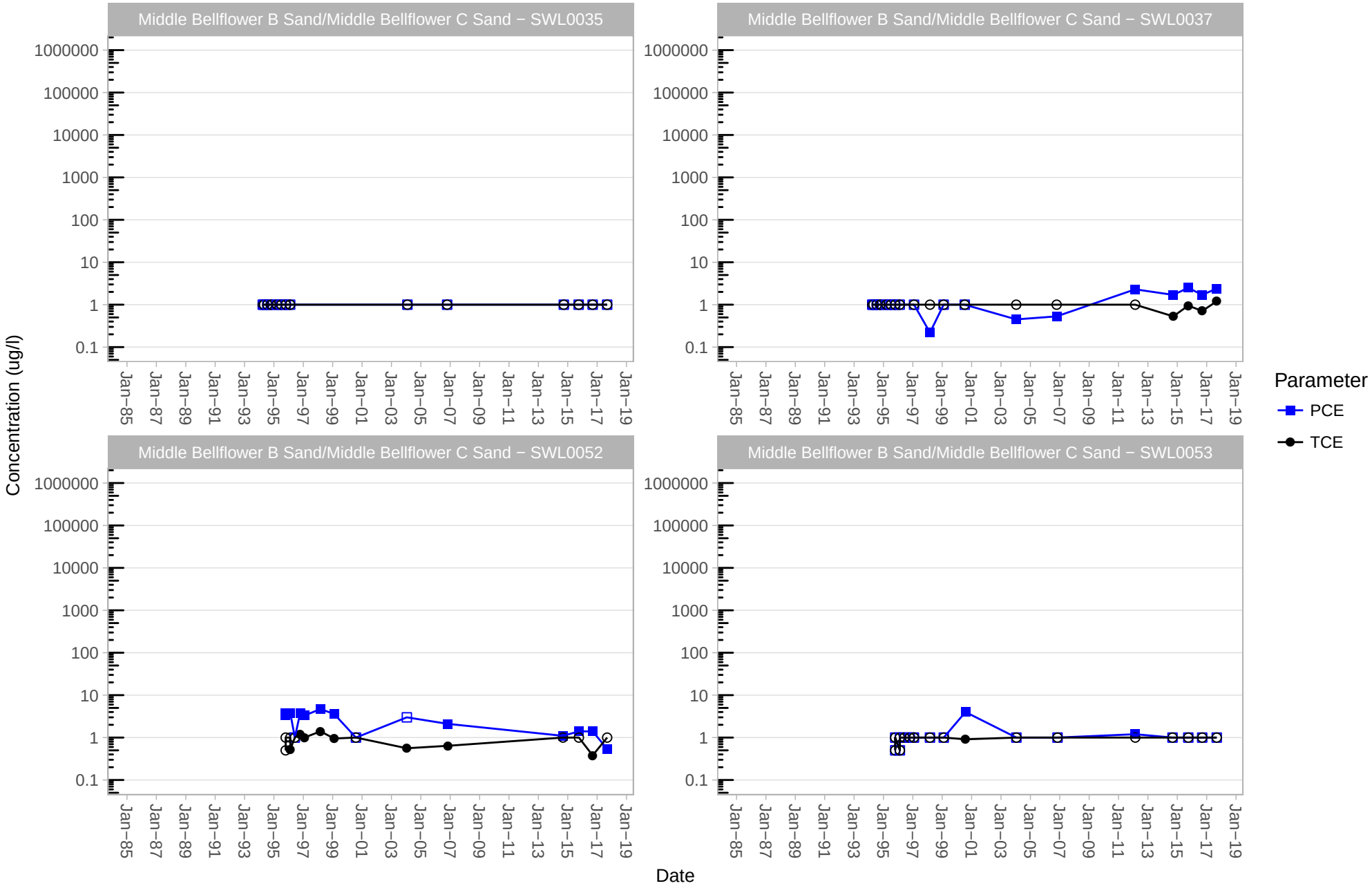
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 17 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

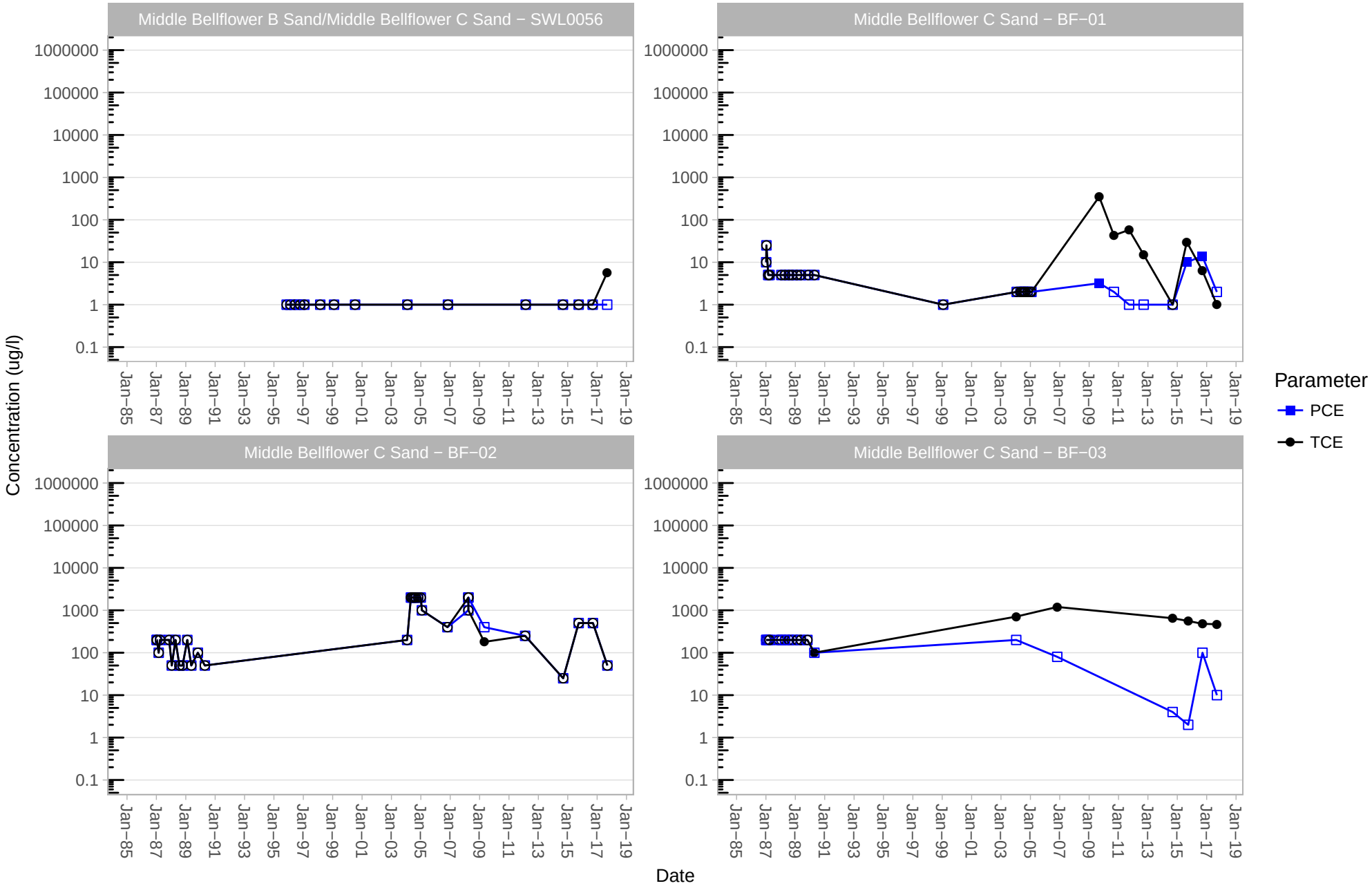
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 18 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

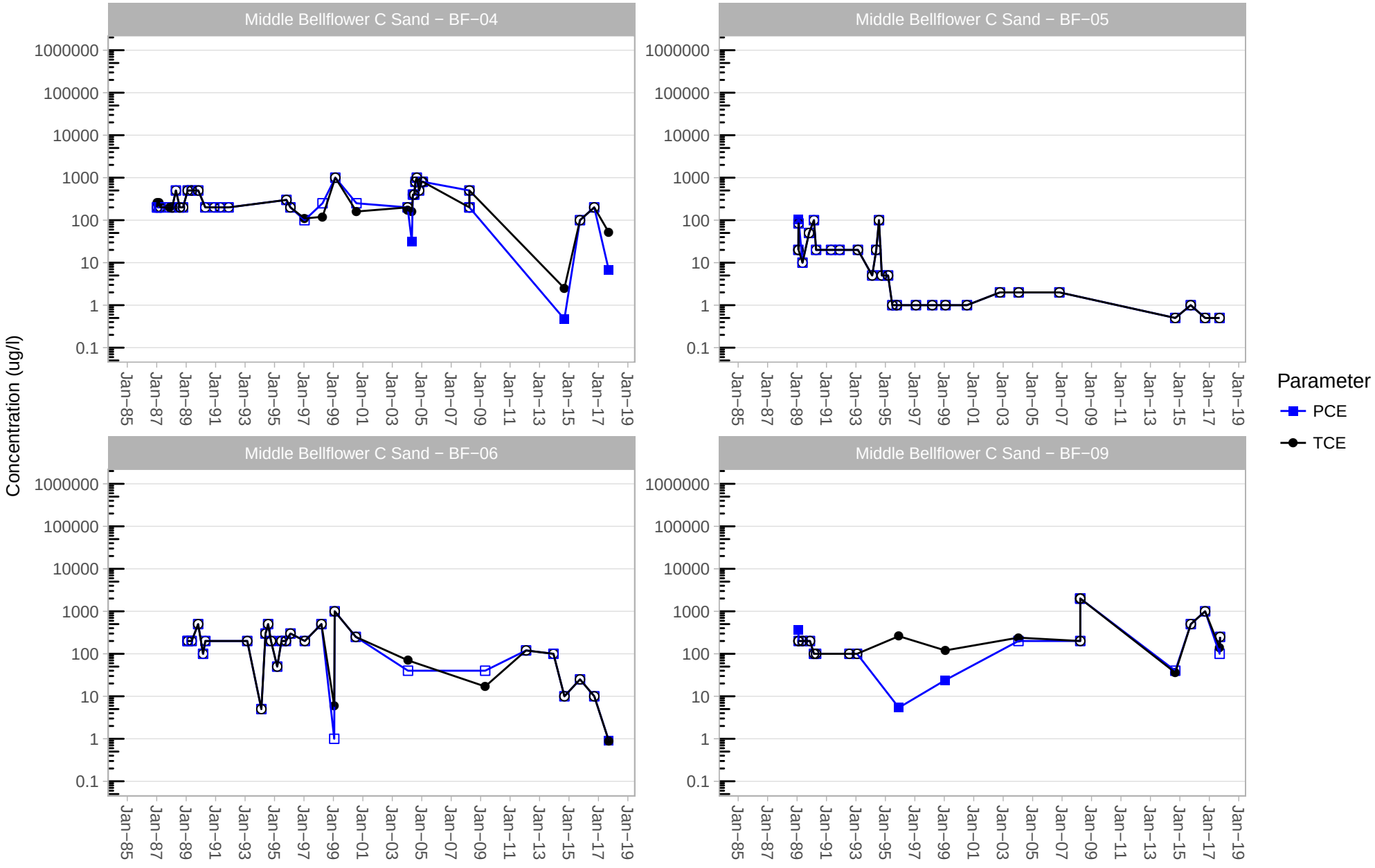
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 19 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

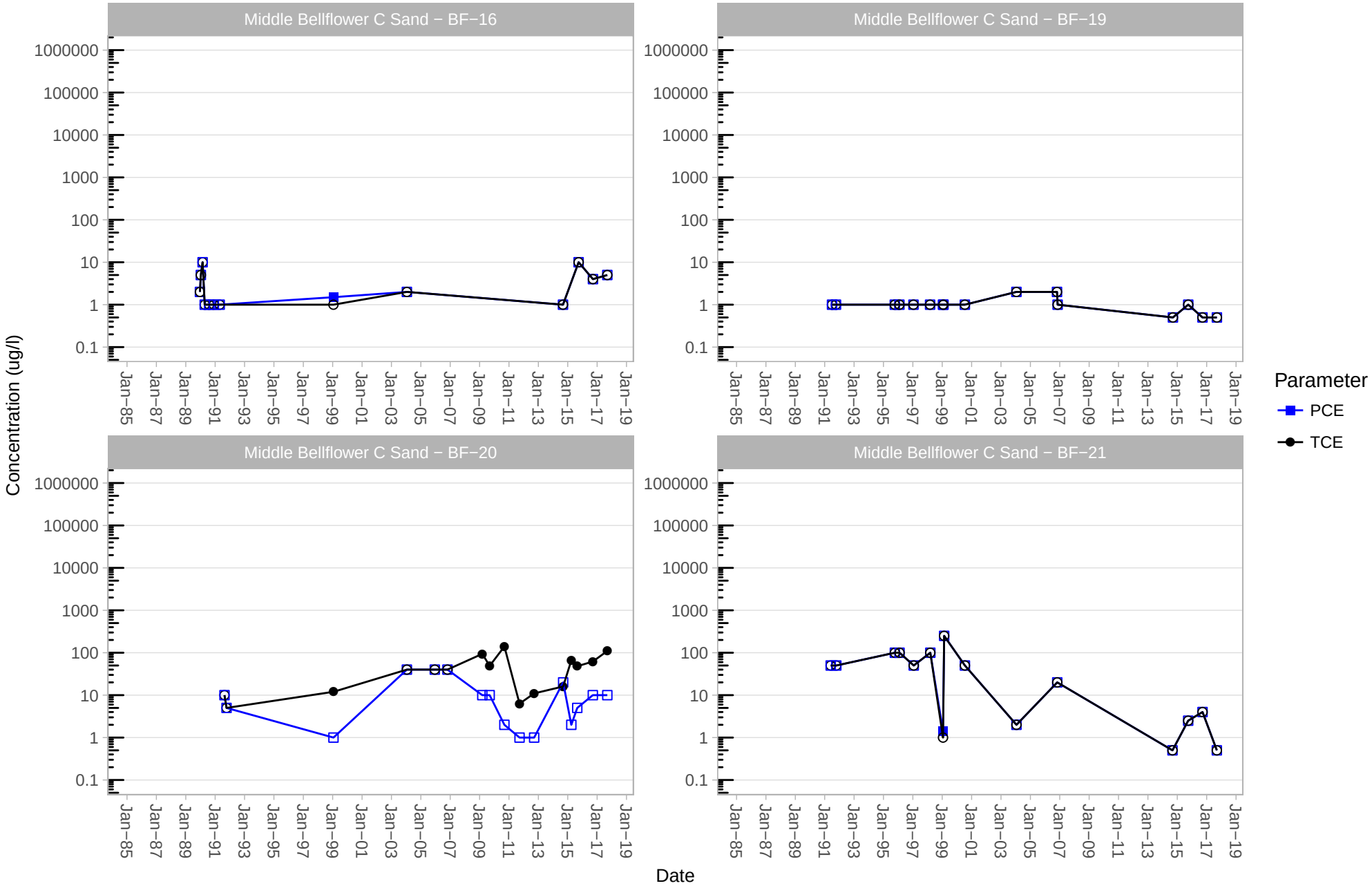
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 20 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

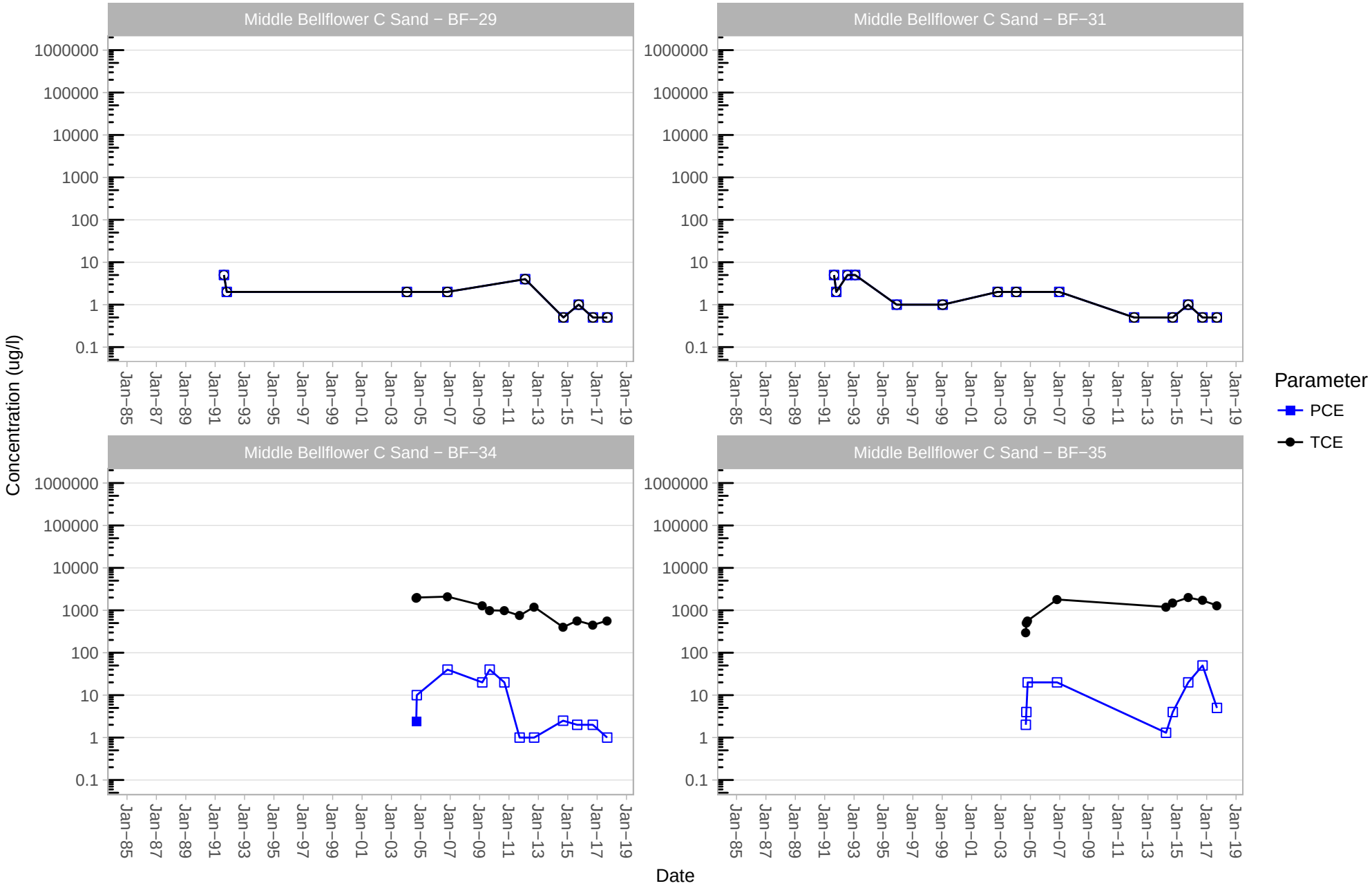
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 21 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

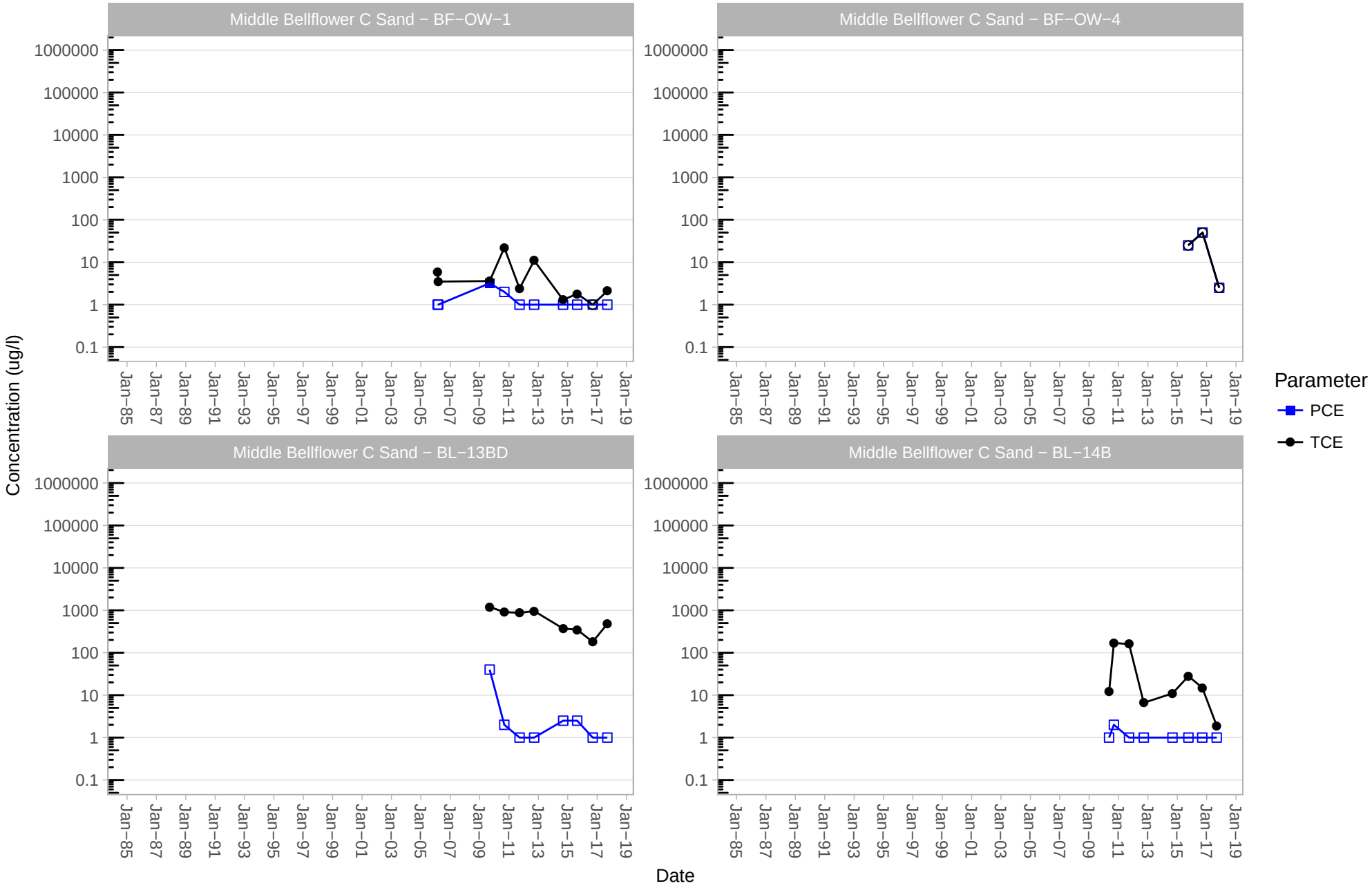
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 22 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

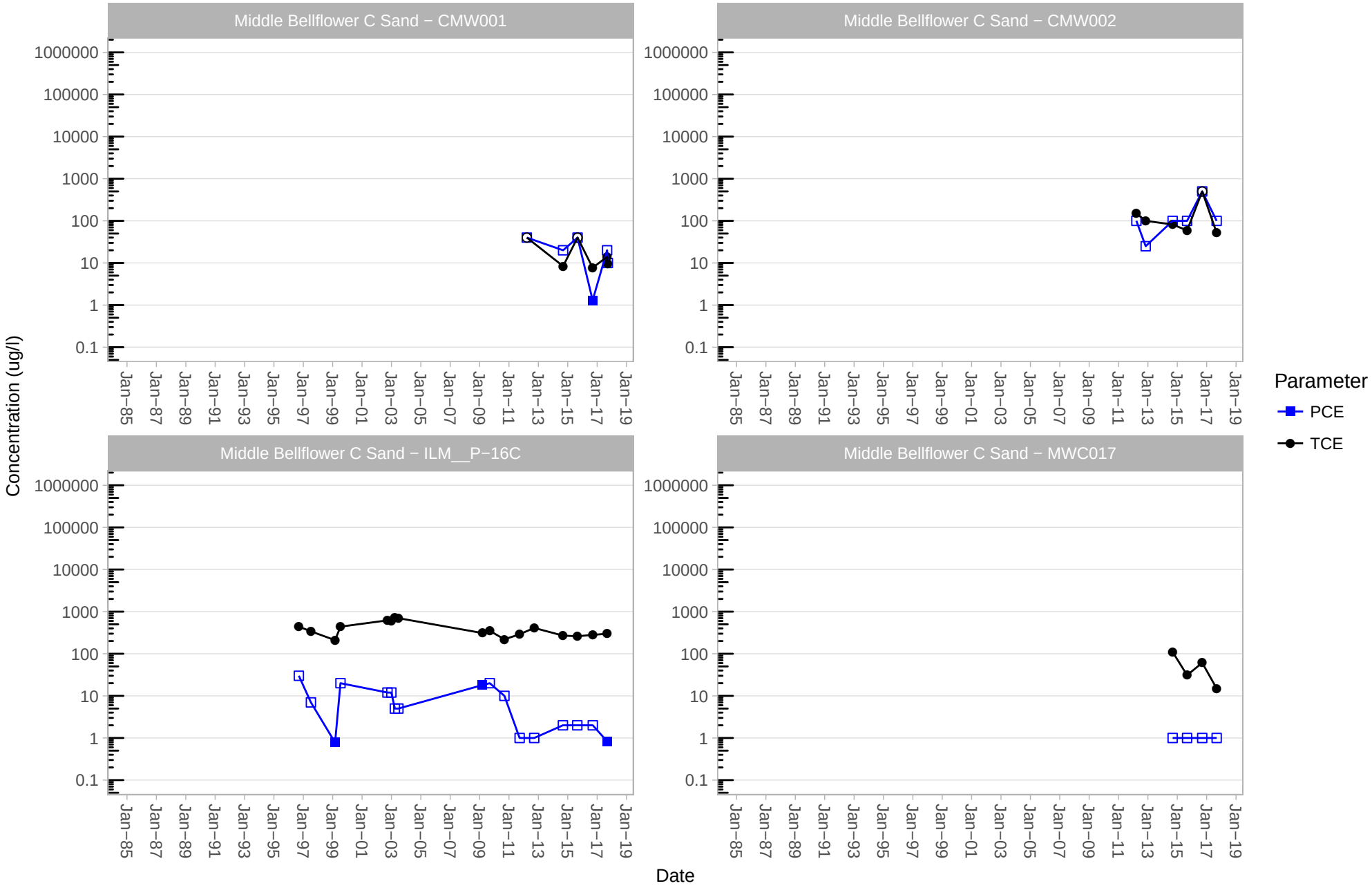
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 23 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

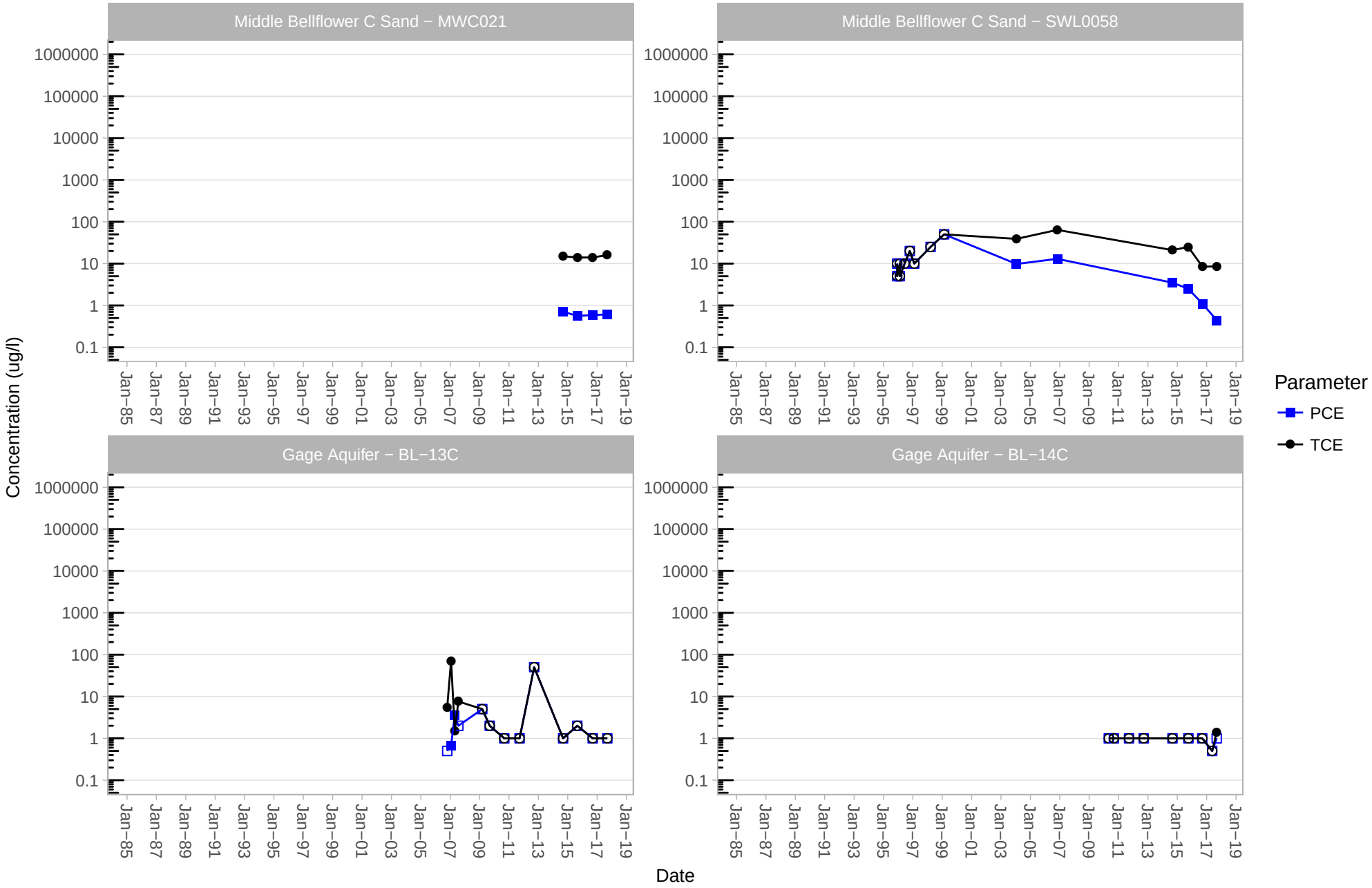
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 24 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

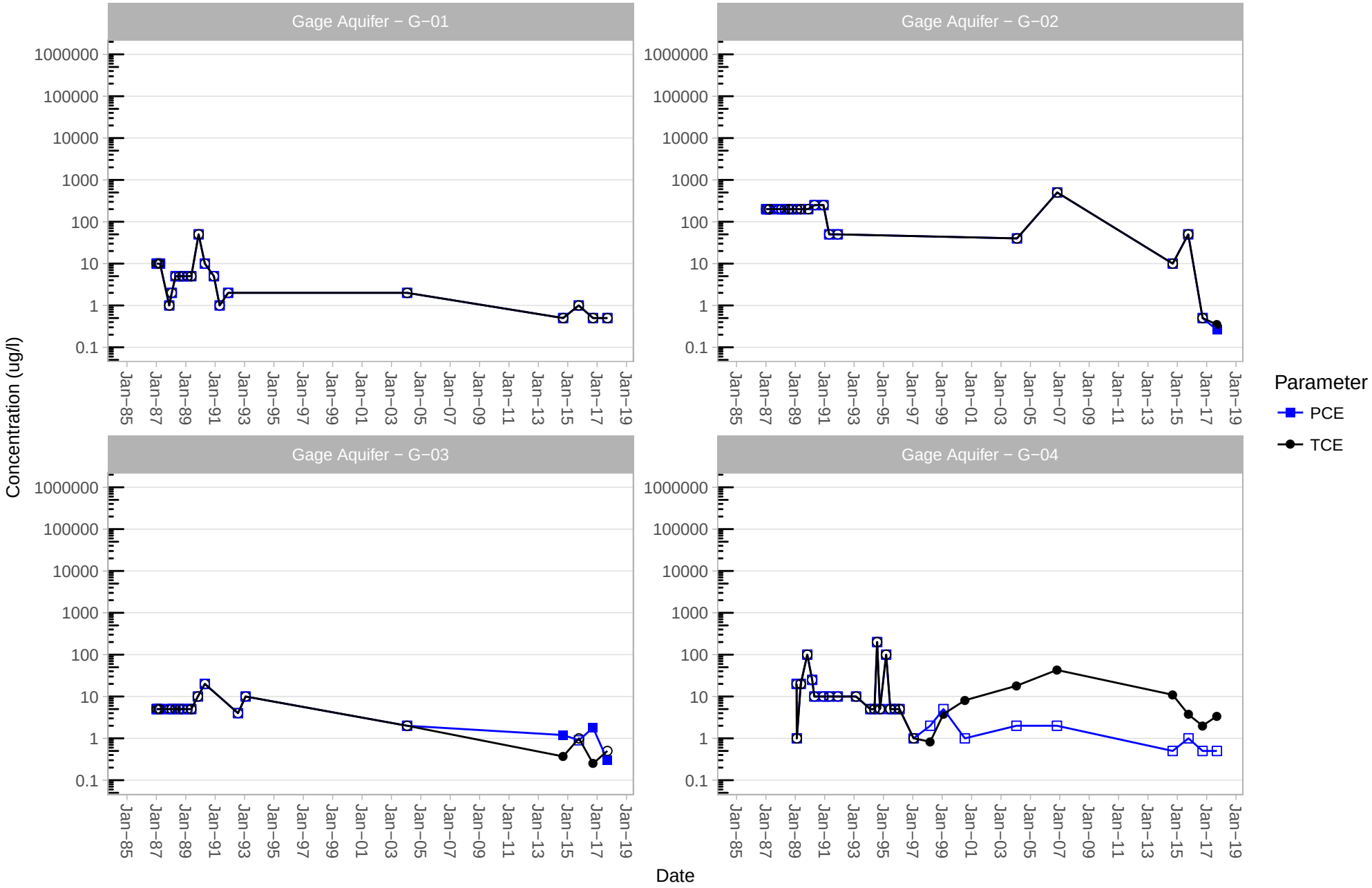
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 25 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

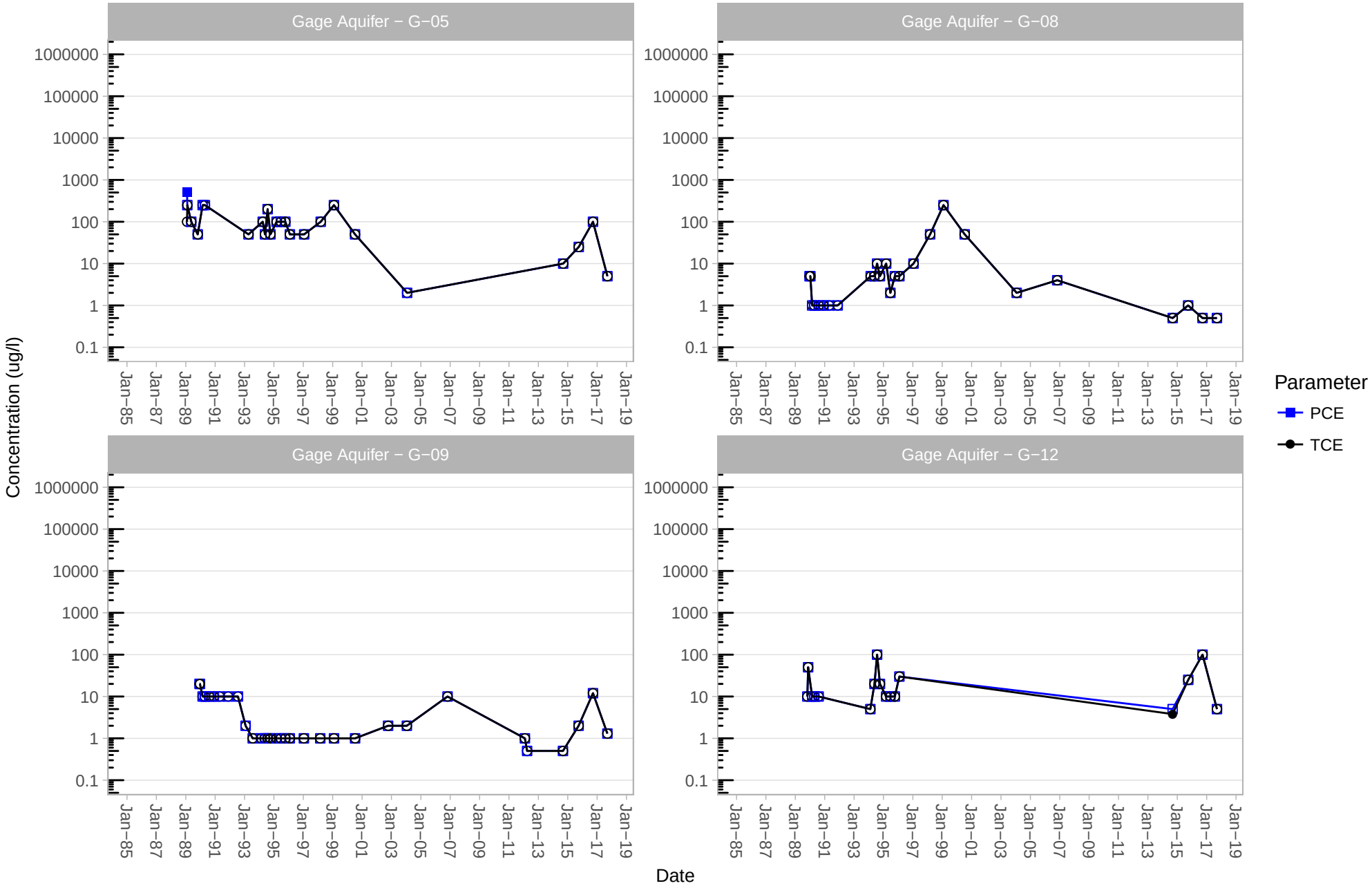
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 26 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

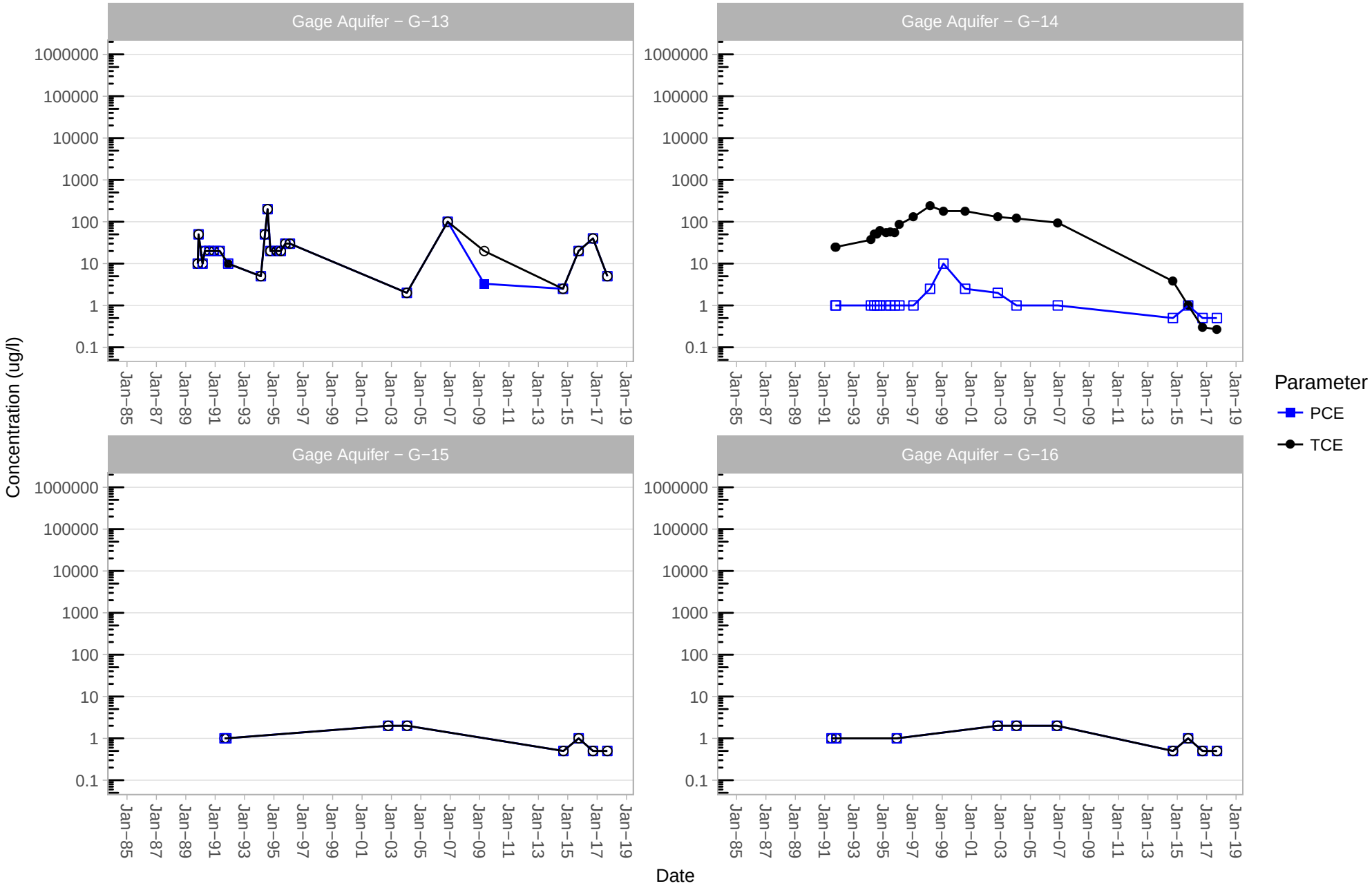
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 27 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

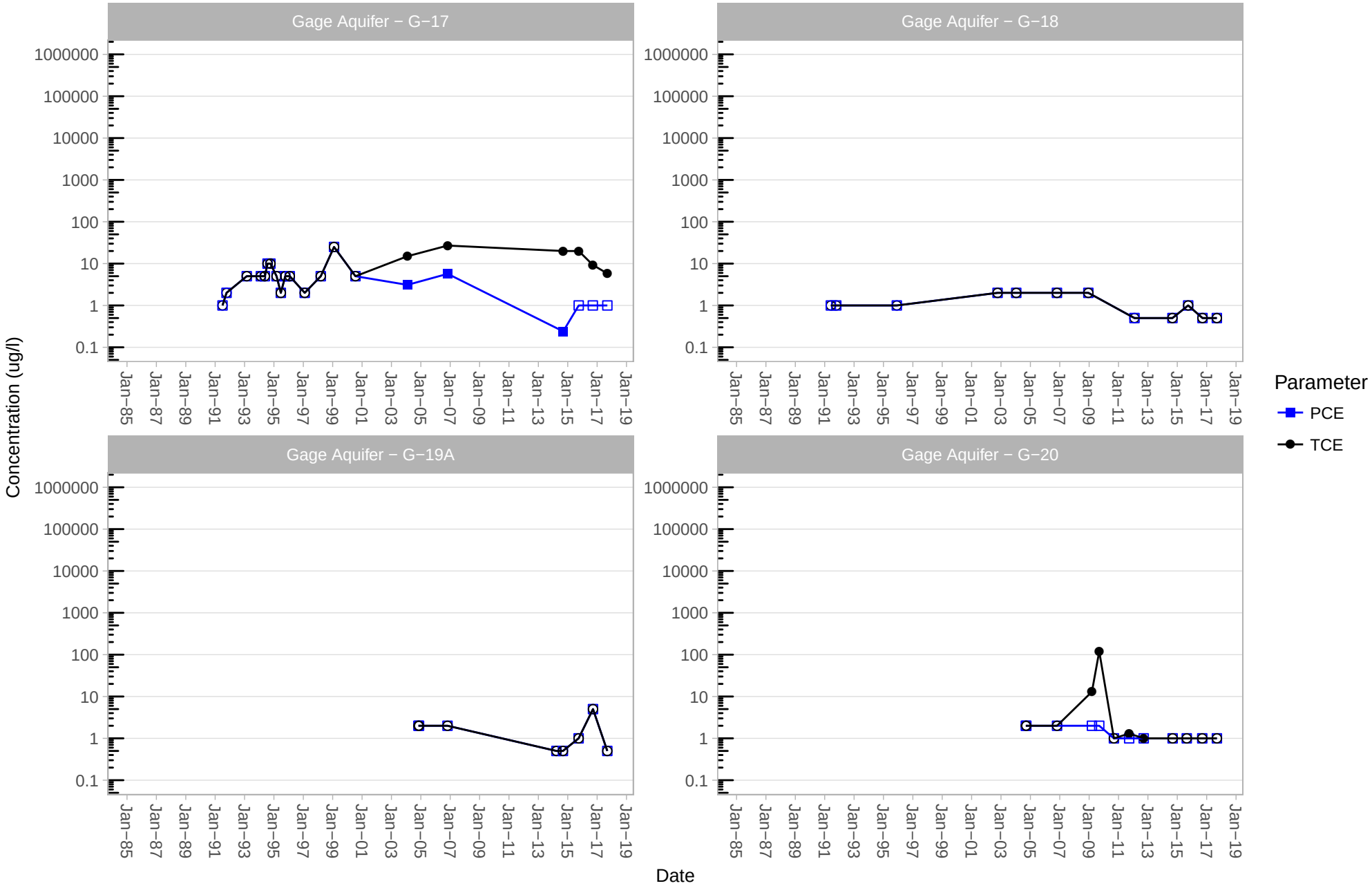
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 28 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

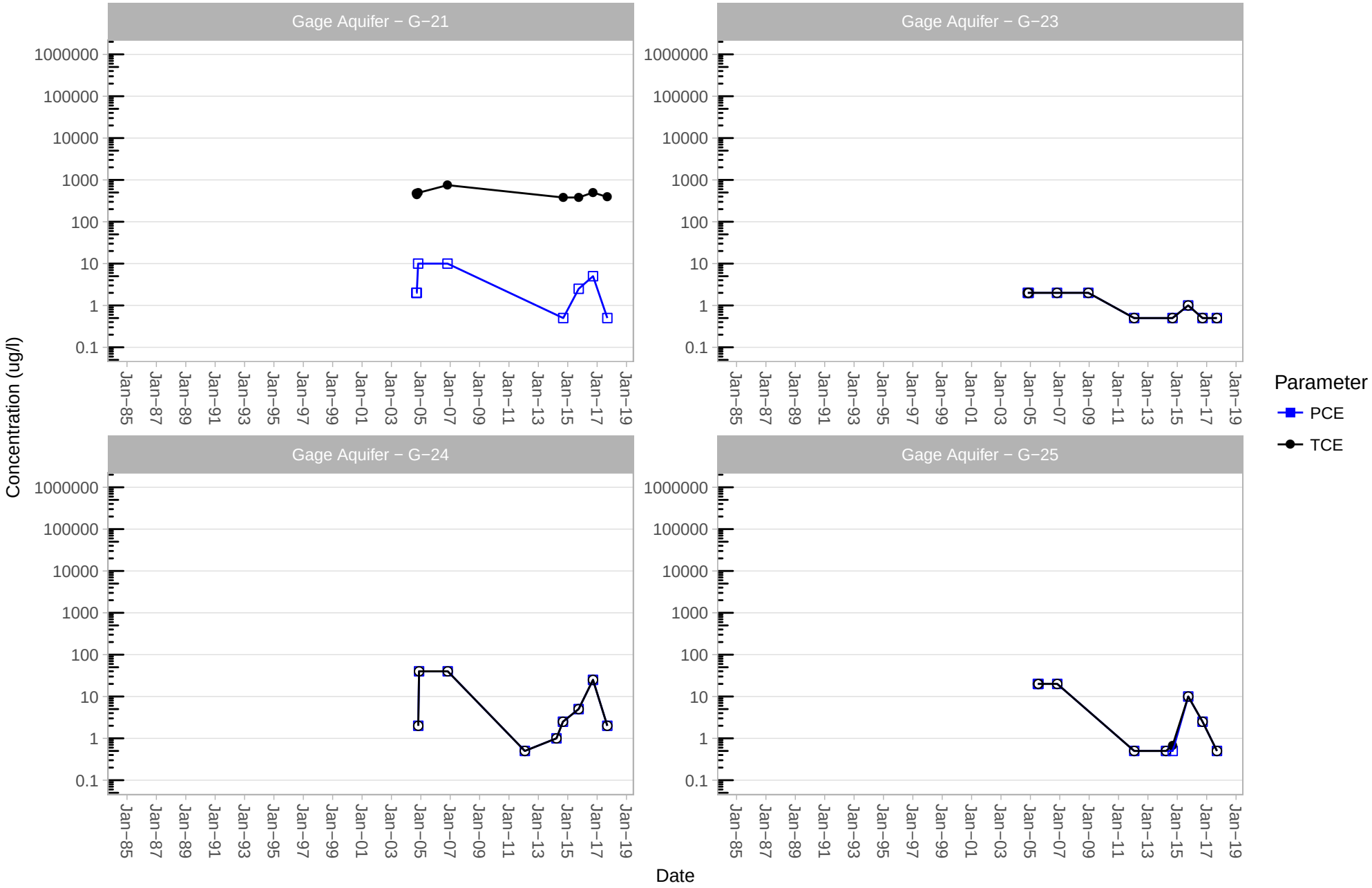
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 29 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

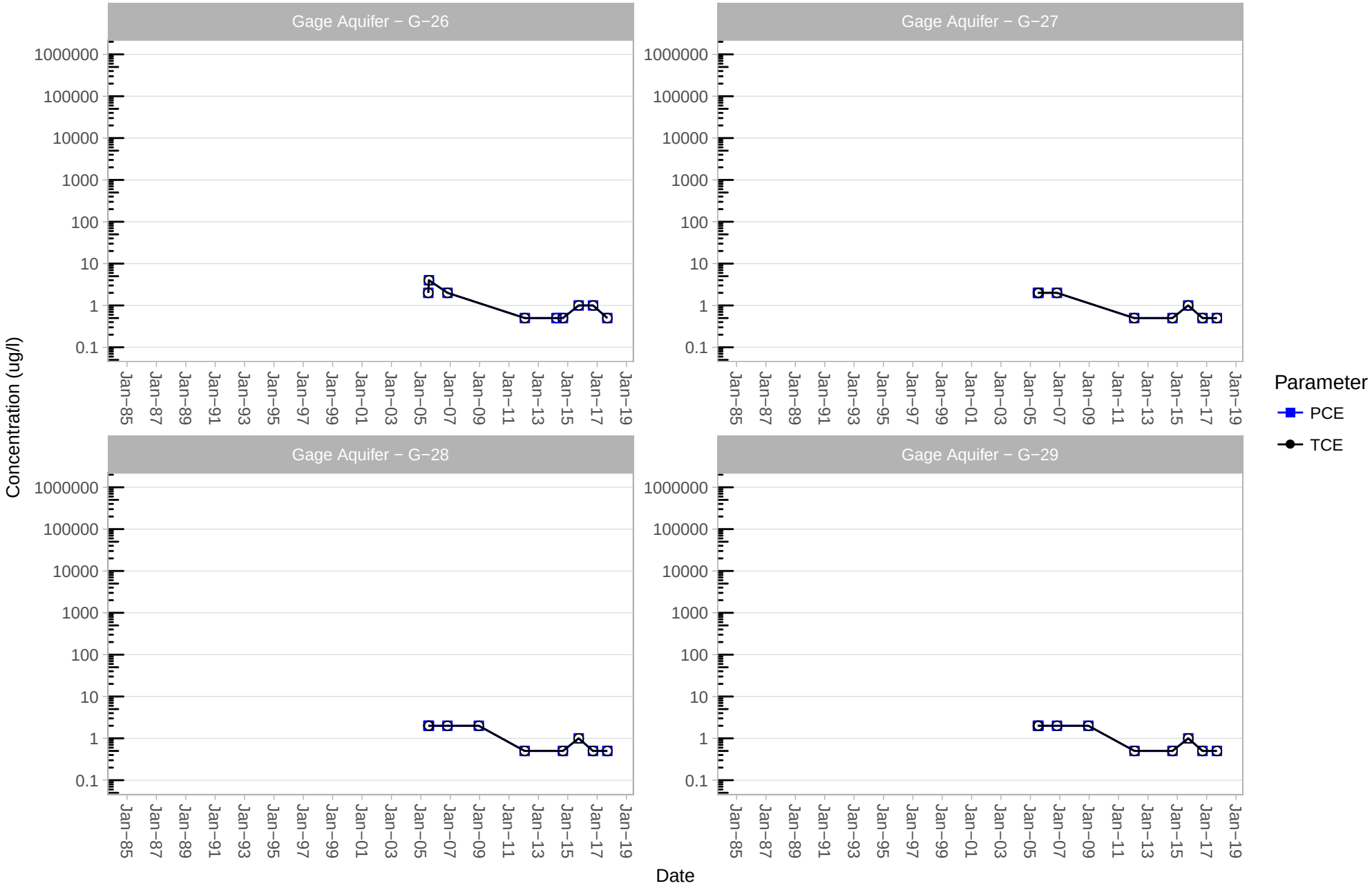
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 30 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

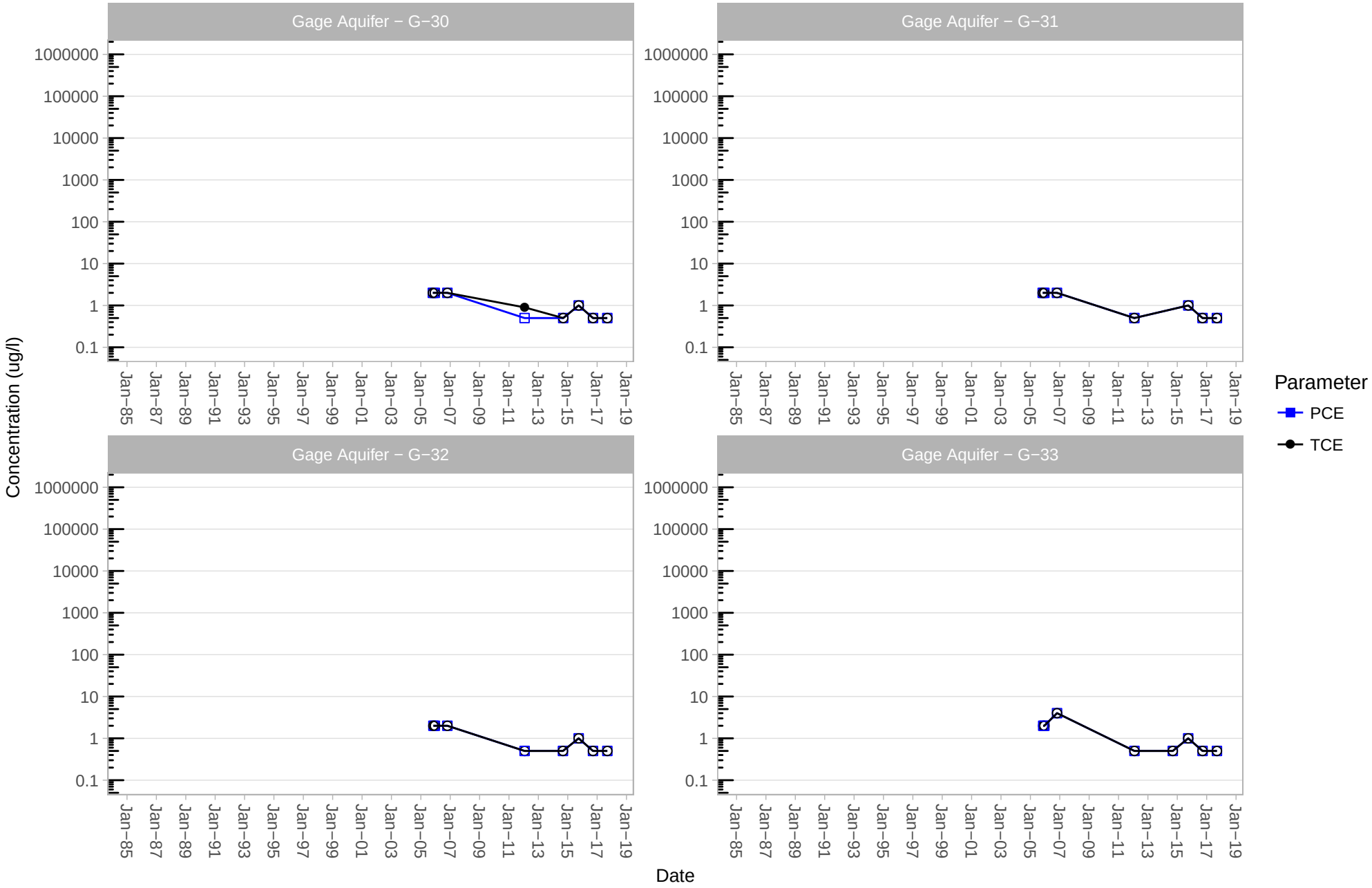
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 31 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

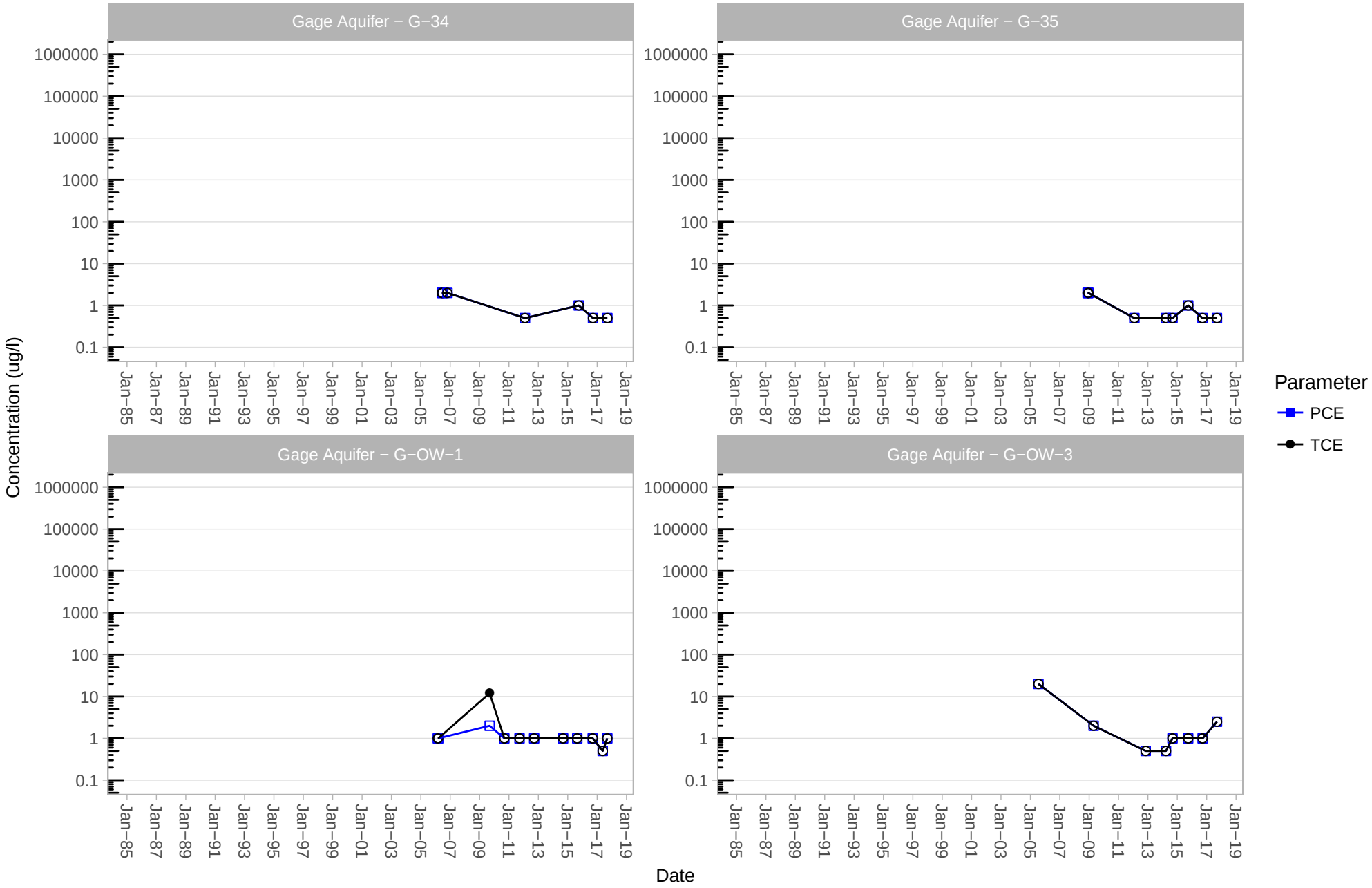
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 32 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

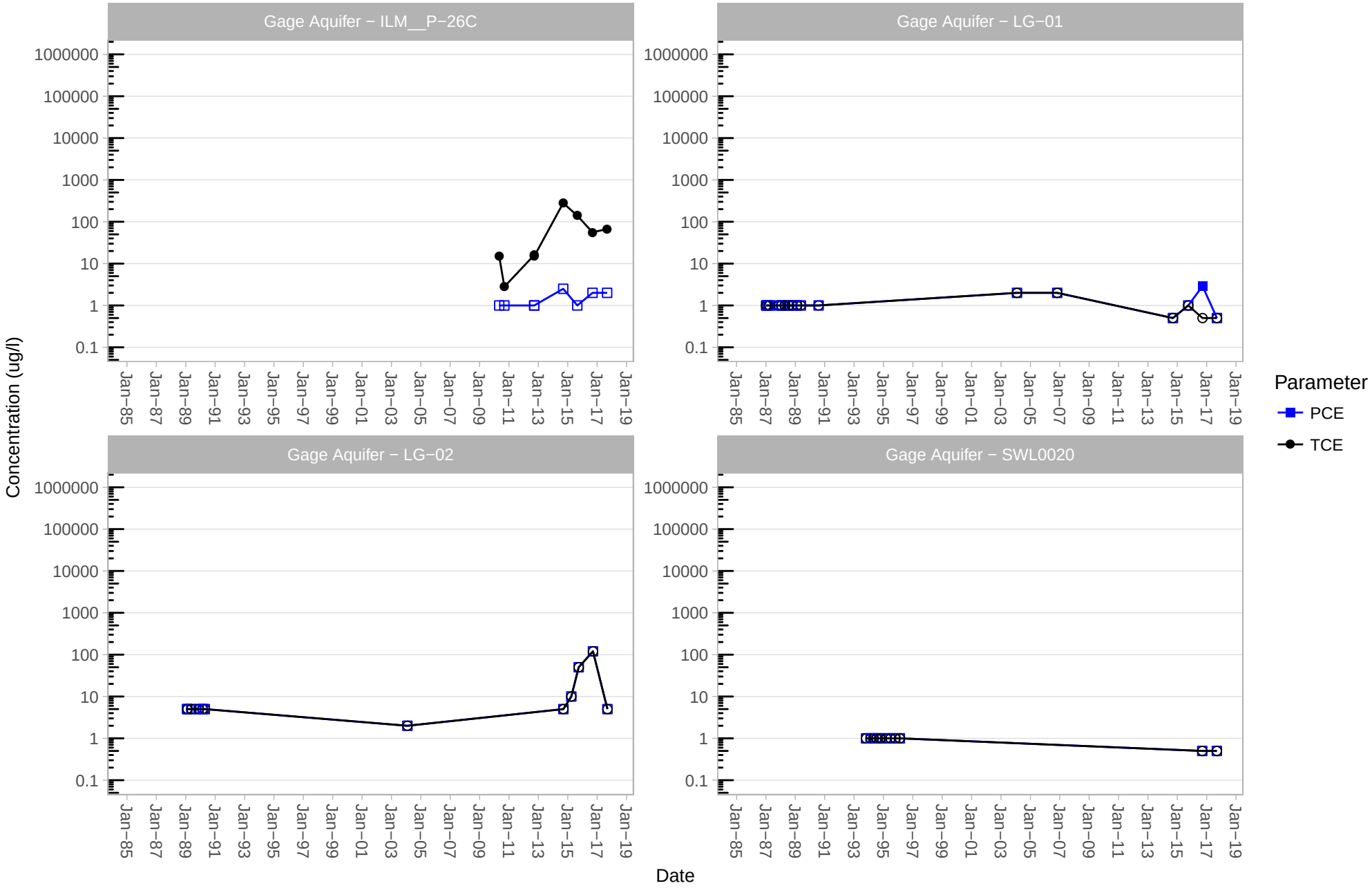
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 33 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

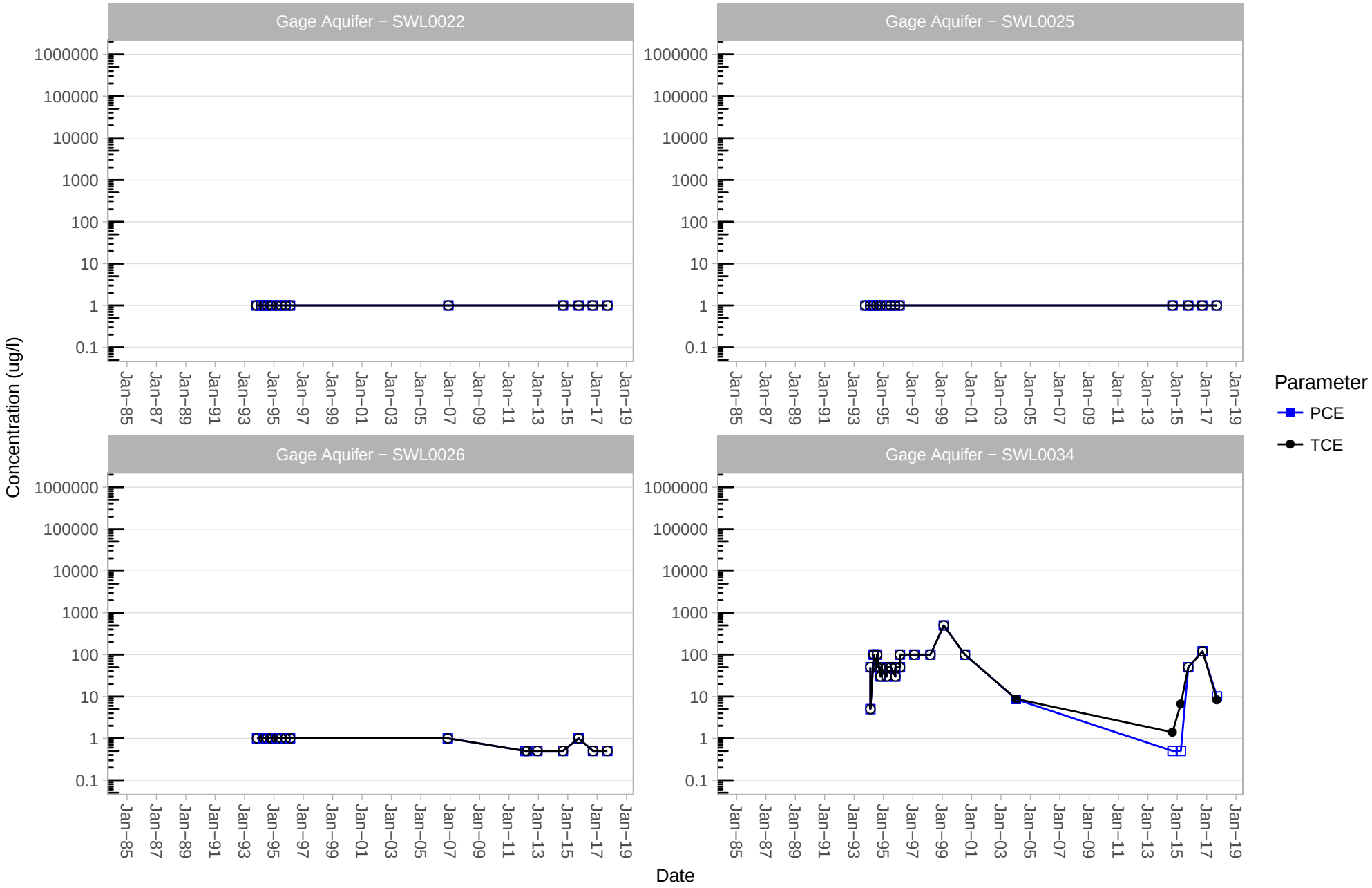
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 34 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

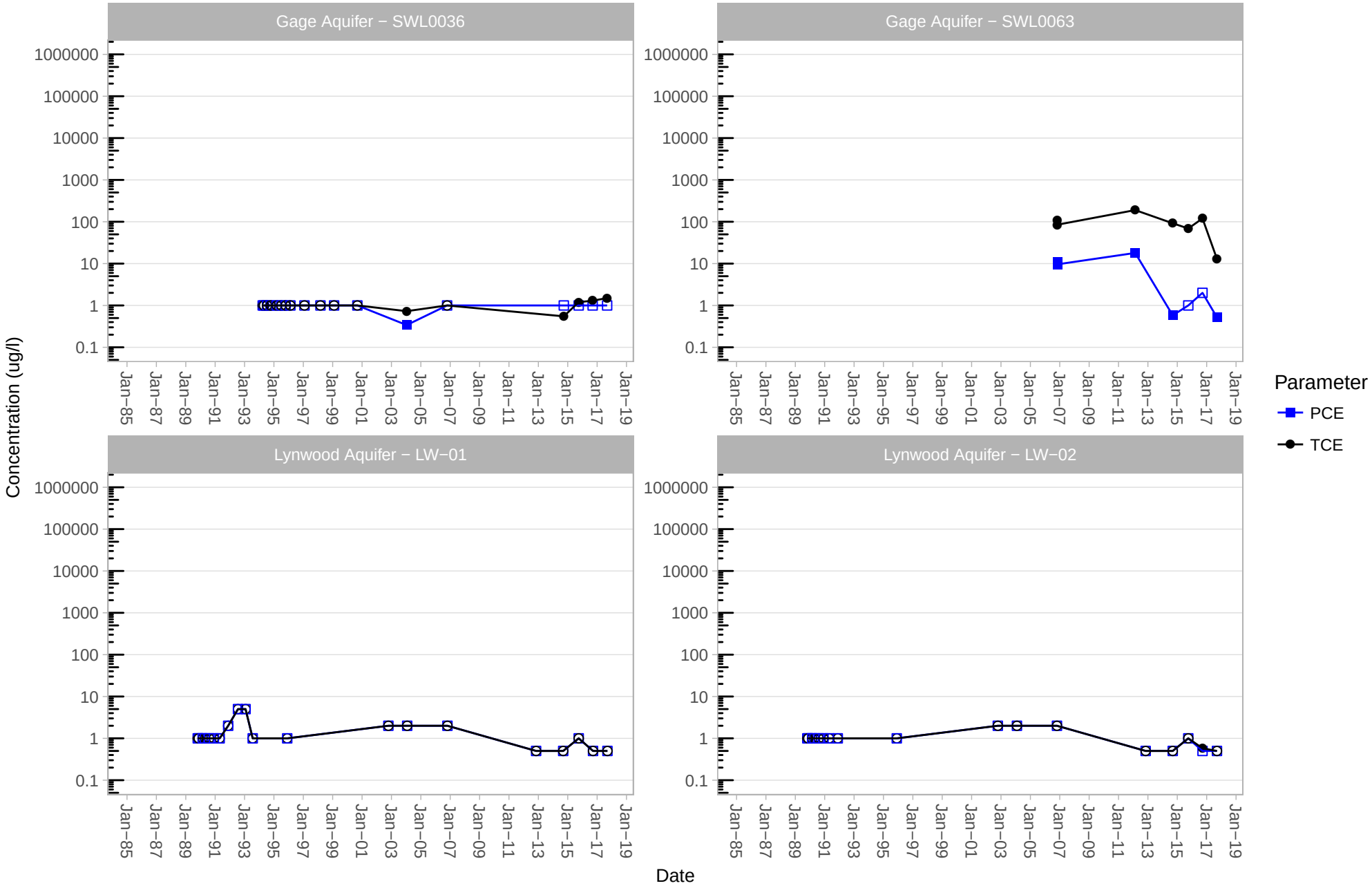
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 35 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

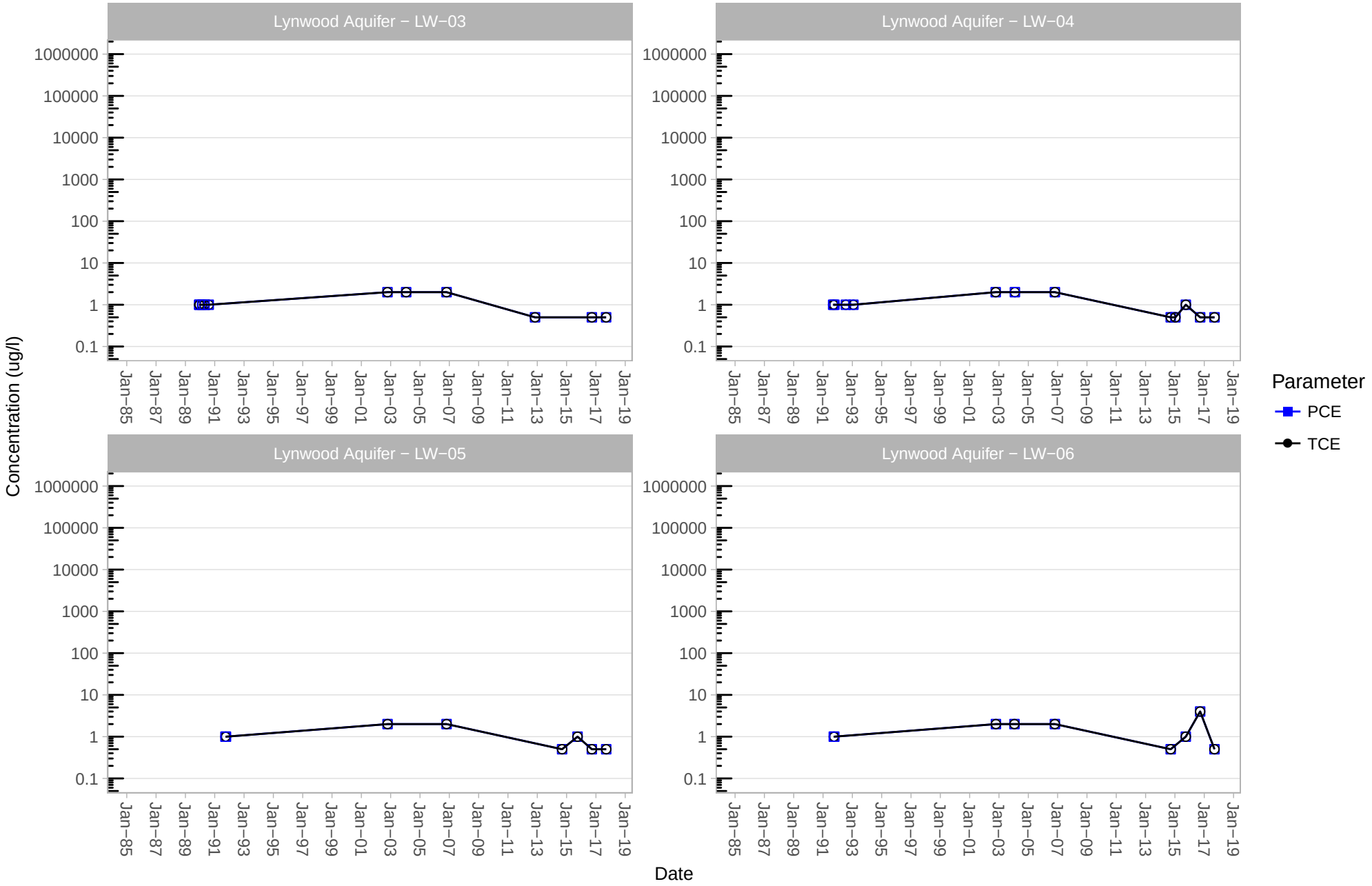
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 36 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

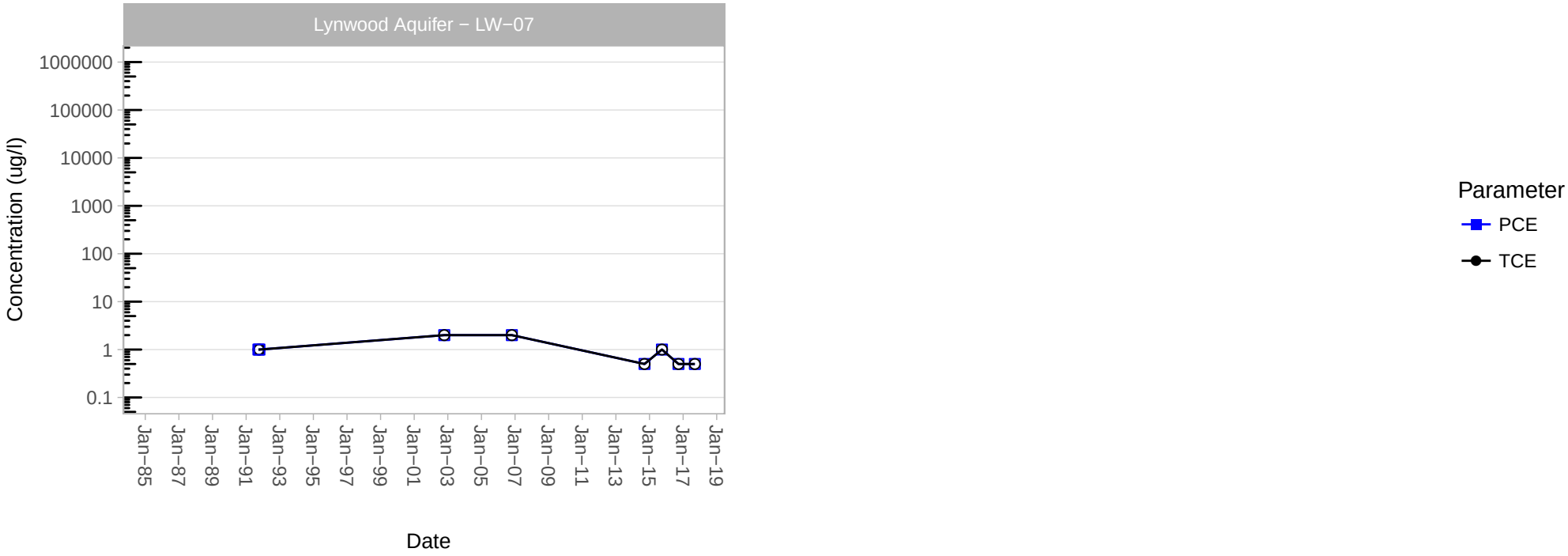
Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix L − Graph 37 − Tetrachloroethene (PCE) and Trichloroethene (TCE) Time Series Plots

Dual Site Groundwater Operable Unit, Los Angeles, California − 2017 Baseline MACR



Notes: Nondetects reported open symbols at the reporting limit

Appendix M

Data Validation

AECOM

Data Validation Memorandum

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TO:	Julie Doane-Allmon	**FILE:**	29500829.08
FROM:	Lily Bayati, Senior Project Chemist	**SITE**:	Del Amo - 2017 Annual Groundwater Sampling Event
DATE:	October 12, 2017		

SUBJECT: Summary of Data Validation for Eurofins/Calscience Reports: 17-09-0412, 17-09-0578, 17-09-0688, 17-09-0829, 17-09-0972, 17-09-1107, 17-09-1110, 17-09-1181, 17-09-1182, and 17-09-1392

Introduction

This report summarizes data validation findings for 87 primary water samples, 11 field duplicates, 18 trip blanks, 18 equipment blanks, and 3 waste samples listed in Table M-1. These samples were collected September 7-19, 2017 as part of the 2017 Annual Groundwater Sampling Event at the Del Amo Superfund Site. Eurofins/Calscience Laboratories in Garden Grove, California performed all analyses. The data were reviewed in accordance with AECOM Standard Operating Procedures and the principles presented in *USEPA National Functional Guidelines For Inorganic Superfund Data Review* (USEPA, 2017), and *USEPA National Functional Guidelines for Superfund Organic Methods Data Review* (USEPA, 2017).

Overall Assessment

The data in the above-referenced Eurofins/Calscience reports, as qualified, are considered valid and usable for the project objectives. The analytical completeness, defined as the percent of analytical results that are valid, including values qualified as estimated, is 100%. Additionally, because all samples in this data set were collected and analyzed under similar prescribed conditions, the data within this set are considered to be comparable.

1.0 Data Review Narratives

Laboratory analyses included volatile organic compounds (VOCs; EPA method 8260B), methane (RSK-175M), alkalinity (standard method; SM 2320B), nitrate and sulfate (EPA method 300.0), ferrous iron (SM 3500-FeB), and carbon dioxide (SM 4500-CO2D). Three waste samples were analyzed for VOCs (EPA method 8260B), TPH carbon range (C4-C44; EPA method 8015B), metals (EPA method 6010B), mercury (EPA method 7470A), and ferrous iron (SM 3500-FeB). The laboratory data were reviewed to evaluate compliance with the indicated test methods and the quality of the data reported (EPA Superfund Stage 2A/2B validation). Full validation, including recalculation (EPA Superfund Stage 4A validation), was performed on more than 10% of the laboratory data. The following summarizes the results of this review.

The areas of review are listed below. A check mark (✓) indicates an area of review in which all data were acceptable. A crossed circle (⊗) signifies areas where issues were identified and considered in evaluating data quality and usability.

- ✓ Data Completeness
- ⊗ Holding Times and Preservation
- ✓ Calibrations (Full Validation)

- ✓ Internal Standards (Full Validation)
- ✓ GC/MS Instrument Performance Check Samples (Full Validation)
- ⊗ Blanks
- ✓ System Monitoring Compounds (Surrogates)
- ⊗ Laboratory Control Samples (LCSs)
- ⊗ Matrix Spike/Matrix Spike Duplicate Samples (MS/MSD)
- ✓ Field Duplicates
- ✓ Laboratory Duplicates
- ✓ Analyte Identification and Quantitation

1.1 Data Completeness
All analyses were performed as requested on the chain-of-custody records (COCs). The laboratory reported all requested analyses and the deliverable data reports were complete.

1.2 Holding Times and Preservation
All analyses were performed within the method-specified holding times with the exceptions listed in the following table. In addition, all samples were collected and preserved appropriately.

Method	Analyte	Sample	Date Collected	Date Analyzed	Qualifier
RSK-175	Carbon Dioxide	GWS02736, GWS02797 GWS02814, GWS02765	9/7/17	9/20/17	J/ UJ
		GWS02722, GWS02754 GWS02732, GWS02735 GWS02759	9/14/17	9/22/17	
EPA 300.0	Nitrate	GWS02727, GWS02815	9/13/17	9/15/17	
SM 350-FeB	Iron II	GWS02792	9/7/17	9/15/17	
EPA 8260B	Tetrachloroethene, Trichloroethene	GWS02813	9/12/17	10/24/17	
		GWS02799, GWS02768	9/13/17	10/24/2017	
		GWS02735, GWS02754 GWS02732, GWS02759	9/14/17	10/25/17	

1.3 Calibration (Full Validation)

1.3.1 Initial Calibration (IC)
Appropriate initial calibrations were performed for each analyte for each method. Compliance requirements for each method were met and did not require data qualification.

1.3.2 Initial Calibration Verification, Continuing Calibration Verification (ICV, CCV)
The acceptance criteria for all ICVs and CCVs were met or did not require qualification.

1.4 Internal Standards (Full Validation)
All internal standard retention times were within ±30 seconds of the associated continuing calibration internal standard retention time. All internal standard area counts were within the acceptance criteria (>50% and <200%) of the associated continuing calibrations internal standard area counts.

1.5 GC/MS Instrument Performance Check Samples (Full Validation)
Compliance requirements for instrument performance check samples were met for EPA 8260B.

1.6 Blanks
Method blanks were analyzed at the proper frequency for the number and types of samples analyzed. Target analytes were either not detected in the associated method blanks, trip blanks and equipment blanks or did not require data qualification with the following exceptions:

Method	Blank	Analyte	Concentration	Qualified Samples	Qualifier
EPA 6010B	MB170921LA4	Silver	0.00162mg/L	IWS00285, IWS00286	U
Note: MB= Method Blank					

1.7 System Monitoring Compounds (Surrogates)
Appropriate numbers of surrogate compounds were spiked into each sample for the EPA 8260B and EPA 8015B analyses. All surrogate compound recoveries were within the laboratory's statistically determined acceptance ranges.

1.8 Laboratory Control Samples (LCSs)
LCSs were prepared and analyzed at the proper frequency for each analysis. All LCS and LCS duplicate (LCSD) recoveries reported and relative percent differences (RPDs) between the results (for applicable analytical batches) were within the laboratory's statistically determined acceptance ranges with the exceptions listed in the following table:

Method	LCS Batch ID	Analyte	LCS Recovery	Qualified Samples	Qualifier
EPA 8260B	170913L043	Tetrachloroethene	141%	GWS02780	J+/ UJ
	170914L026	ETBE	73%	GWS02783	
	170913L014	ETBE	72%	GWS02739, GWS02729 GWS02785, GWS02741 GWS02763, GWS02745	
	170921L036	DIPE	75%	GWS02803, GWS02800	

1.9 Matrix Spike/Matrix Spike Duplicate (MS/MSD)
Several project samples were utilized for the MS/MSD analyses. The average recoveries of all MS/MSDs reported and the RPDs between the results were either within the laboratory's statistically determined acceptance ranges or did not require data qualification with the following exceptions:

Method	Sample	Analyte	Average Recovery	RPD	Qualified Samples	Qualifier
EPA 300.0	GWS02760	Sulfate	123%*	0	GWS02760, GWS02739, GWS02745	J+
	GWS02813	Sulfate	126%*	0	GWS02813, GWS02798 GWS02747, GWS02750, GWS02769, GWS02809	
	GWS02722	Sulfate	161.5%*	0	GWS02759, GWS02735 GWS02732, GWS02754, GWS02722	
	GWS02773	Nitrate	72%*	14	GWS02812, GWS02773, GWS02767	J-/UJ
EPA 8260B	GWS02726	ETBE	65.5%*	1	GWS02753, GWS02726	
		TAME	68.5%*	1		
	GWS02722	Acetone	107%	55*	GWS02722	J
EPA 8015B	IWS00286	GRO (C4-C12)	153%*	2	IWS00285, IWS00286	J+
Notes: * Outlier						

1.10 Field Duplicates
The following samples were submitted to the laboratory as blind field duplicate pairs.

Primary Sample	Field Duplicate
GWS02776	GWS02811
GWS02797	GWS02814
GWS02743	GWS02805
GWS02773	GWS02812
GWS02748	GWS02808
GWS02766	GWS02807

GWS02769	GWS02809
GWS02744	GWS02806
GWS02789	GWS02810
GWS02759	GWS02804
GWS02800	GWS02803

Acceptable field and analytical precision was demonstrated for all analytes for all field duplicate pairs.

1.11 Duplicates
Acceptable analytical precision was demonstrated for all laboratory duplicate analyses.

1.12 Target Analyte Identification and Quantitation (Full Validation)
All analytes reported and the reporting limits obtained comply with project specifications. All dilutions were appropriate. In addition, this data review process included result recalculation and transcription error checking from the raw data for more than 10% of the data. All results checked were confirmed.

Table M-1
Sample Analyzed by Eurofins/ Calscience Laboratories

Sample	SDG	Sample Number	Date Sampled	Analyses Performed
FBS02220 (Trip Blank)	17-09-0412	17-09-0412-1	9/7/17	EPA 8260B
FBS02196 (Equipment Blank)	17-09-0412	17-09-0412-2	9/7/17	EPA 8260B
GWS02776	17-09-0412	17-09-0412-3	9/7/17	EPA 8260B
GWS02811 (Field Duplicate of GWS02776)	17-09-0412	17-09-0412-4	9/7/17	EPA 8260B
GWS02737	17-09-0412	17-09-0412-5	9/7/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02752	17-09-0412	17-09-0412-6	9/7/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02736	17-09-0412	17-09-0412-7	9/7/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02797	17-09-0412	17-09-0412-8	9/7/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02814 (Field Duplicate of GWS02797)	17-09-0412	17-09-0412-9	9/7/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
FBS02195 (Equipment Blank)	17-09-0412	17-09-0412-10	9/7/17	EPA 8260B
FBS02222 (Trip Blank)	17-09-0412	17-09-0412-11	9/7/17	EPA 8260B
GWS02740	17-09-0412	17-09-0412-12	9/7/17	EPA 8260B
GWS02761	17-09-0412	17-09-0412-13	9/7/17	EPA 8260B
GWS02791	17-09-0412	17-09-0412-14	9/7/17	EPA 8260B
GWS02775	17-09-0412	17-09-0412-15	9/7/17	EPA 8260B
FBS02197 (Equipment Blank)	17-09-0412	17-09-0412-16	9/7/17	EPA 8260B
FBS02221 (Trip Blank)	17-09-0412	17-09-0412-17	9/7/17	EPA 8260B
GWS02742	17-09-0412	17-09-0412-18	9/7/17	EPA 8260B
GWS02765	17-09-0412	17-09-0412-19	9/7/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02781	17-09-0412	17-09-0412-20	9/7/17	EPA 8260B

Table M-1
Sample Analyzed by Eurofins/ Calscience Laboratories

Sample	SDG	Sample Number	Date Sampled	Analyses Performed
GWS02717	17-09-0412	17-09-0412-22	9/7/17	EPA 8260B
FBS02223 (Trip Blank)	17-09-0578	17-09-0578-1	9/8/17	EPA 8260B
FBS02198 (Equipment Blank)	17-09-0578	17-09-0578-2	9/8/17	EPA 8260B
GWS02720	17-09-0578	17-09-0578-3	9/8/17	EPA 8260B
GWS02743	17-09-0578	17-09-0578-4	9/8/17	EPA 8260B
GWS02805 (Field Duplicate of GWS02743)	17-09-0578	17-09-0578-5	9/8/17	EPA 8260B
GWS02724	17-09-0578	17-09-0578-6	9/8/17	EPA 8260B
GWS02719	17-09-0578	17-09-0578-7	9/8/17	EPA 8260B
GWS02767	17-09-0578	17-09-0578-8	9/8/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
FBS02199 (Equipment Blank)	17-09-0578	17-09-0578-9	9/8/17	EPA 8260B
FBS02225 (Trip Blank)	17-09-0578	17-09-0578-10	9/8/17	EPA 8260B
GWS02755	17-09-0578	17-09-0578-11	9/8/17	EPA 8260B
GWS02770	17-09-0578	17-09-0578-12	9/8/17	EPA 8260B
GWS02718	17-09-0578	17-09-0578-13	9/8/17	EPA 8260B
GWS02716	17-09-0578	17-09-0578-14	9/8/17	EPA 8260B
GWS02783	17-09-0578	17-09-0578-15	9/8/17	EPA 8260B
FBS02224 (Trip Blank)	17-09-0578	17-09-0578-16	9/8/17	EPA 8260B
FBS02209 (Equipment Blank)	17-09-0578	17-09-0578-17	9/8/17	EPA 8260B
GWS02771	17-09-0578	17-09-0578-18	9/8/17	EPA 8260B
GWS02773	17-09-0578	17-09-0578-19	9/8/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02812 (Field Duplicate of GWS02773)	17-09-0578	17-09-0578-20	9/8/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02751	17-09-0578	17-09-0578-21	9/8/17	EPA 8260B
GWS02774	17-09-0578	17-09-0578-22	9/8/17	EPA 8260B
GWS02780	17-09-0578	17-09-0578-23	9/8/17	EPA 8260B
FBS02208 (Equipment Blank)	17-09-0688	17-09-0688-1	9/11/17	EPA 8260B
FBS02230 (Trip Blank)	17-09-0688	17-09-0688-2	9/11/17	EPA 8260B
GWS02745	17-09-0688	17-09-0688-3	9/11/17	EPA 8260B
GWS02763	17-09-0688	17-09-0688-4	9/11/17	EPA 8260B
GWS02778	17-09-0688	17-09-0688-5	9/11/17	EPA 8260B
GWS02741	17-09-0688	17-09-0688-6	9/11/17	EPA 8260B
FBS02227 (Trip Blank)	17-09-0688	17-09-0688-7	9/11/17	EPA 8260B
FBS02206 (Equipment Blank)	17-09-0688	17-09-0688-8	9/11/17	EPA 8260B
GWS02730	17-09-0688	17-09-0688-9	9/11/17	EPA 8260B
GWS02731	17-09-0688	17-09-0688-10	9/11/17	EPA 8260B
GWS02785	17-09-0688	17-09-0688-11	9/11/17	EPA 8260B
GWS02726	17-09-0688	17-09-0688-12	9/11/17	EPA 8260B
GWS02729	17-09-0688	17-09-0688-13	9/11/17	EPA 8260B

Table M-1
Sample Analyzed by Eurofins/ Calscience Laboratories

Sample	SDG	Sample Number	Date Sampled	Analyses Performed
GWS02739	17-09-0688	17-09-0688-14	9/11/17	EPA 8260B
FBS02207 (Equipment Blank)	17-09-0688	17-09-0688-15	9/11/17	EPA 8260B
FBS02226 (Trip Blank)	17-09-0688	17-09-0688-16	9/11/17	EPA 8260B
GWS02779	17-09-0688	17-09-0688-17	9/11/17	EPA 8260B
GWS02760	17-09-0688	17-09-0688-18	9/11/17	EPA 8260B
GWS02753	17-09-0688	17-09-0688-19	9/11/17	EPA 8260B
FBS02228 (Trip Blank)	17-09-0829	17-09-0829-1	9/12/17	EPA 8260B
FBS02204 (Equipment Blank)	17-09-0829	17-09-0829-2	9/12/17	EPA 8260B
GWS02762	17-09-0829	17-09-0829-3	9/12/17	EPA 8260B
GWS02746	17-09-0829	17-09-0829-4	9/12/17	EPA 8260B
GWS02748	17-09-0829	17-09-0829-5	9/12/17	EPA 8260B
GWS02808 (Field Duplicate of GWS02748)	17-09-0829	17-09-0829-6	9/12/17	EPA 8260B
GWS02790	17-09-0829	17-09-0829-7	9/12/17	EPA 8260B
GWS02777	17-09-0829	17-09-0829-8	9/12/17	EPA 8260B
GWS02750	17-09-0829	17-09-0829-9	9/12/17	EPA 8260B, 300.0; RSK-175 SM 2320 , 3500-FeB, 4500-CO2D
FBS02229 (Trip Blank)	17-09-0829	17-09-0829-10	9/12/17	EPA 8260B
FBS02203 (Equipment Blank)	17-09-0829	17-09-0829-11	9/12/17	EPA 8260B
GWS02802	17-09-0829	17-09-0829-12	9/12/17	EPA 8260B
GWS02766	17-09-0829	17-09-0829-13	9/12/17	EPA 8260B
GWS02807 (Field Duplicate of GWS02766)	17-09-0829	17-09-0829-14	9/12/17	EPA 8260B
GWS02801	17-09-0829	17-09-0829-15	9/12/17	EPA 8260B
GWS02782	17-09-0829	17-09-0829-16	9/12/17	EPA 8260B
GWS02769	17-09-0829	17-09-0829-17	9/12/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02809 (Field Duplicate of GWS02769)	17-09-0829	17-09-0829-18	9/12/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02728	17-09-0829	17-09-0829-19	9/12/17	EPA 8260B
FBS02231 (Trip Blank)	17-09-0829	17-09-0829-20	9/12/17	EPA 8260B
FBS02205 (Equipment Blank)	17-09-0829	17-09-0829-21	9/12/17	EPA 8260B
GWS02747	17-09-0829	17-09-0829-22	9/12/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02738	17-09-0829	17-09-0829-23	9/12/17	EPA 8260B
GWS02734	17-09-0829	17-09-0829-24	9/12/17	EPA 8260B
GWS02786	17-09-0829	17-09-0829-25	9/12/17	EPA 8260B
GWS02788	17-09-0829	17-09-0829-26	9/12/17	EPA 8260B
GWS02798	17-09-0829	17-09-0829-27	9/12/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02813	17-09-0829	17-09-0829-28	9/12/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D

Table M-1
Sample Analyzed by Eurofins/ Calscience Laboratories

Sample	SDG	Sample Number	Date Sampled	Analyses Performed
FBS02233 (Trip Blank)	17-09-0972	17-09-0972-1	9/13/17	EPA 8260B
FBS02211 (Equipment Blank)	17-09-0972	17-09-0972-2	9/13/17	EPA 8260B
GWS02744	17-09-0972	17-09-0972-3	9/13/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02806 (Field Duplicate of GWS02744)	17-09-0972	17-09-0972-4	9/13/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02758	17-09-0972	17-09-0972-5	9/13/17	EPA 8260B
GWS02757	17-09-0972	17-09-0972-6	9/13/17	EPA 8260B
GWS02756	17-09-0972	17-09-0972-7	9/13/17	EPA 8260B
GWS02723	17-09-0972	17-09-0972-8	9/13/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
FBS02234 (Trip Blank)	17-09-0972	17-09-0972-9	9/13/17	EPA 8260B
FBS02210 (Equipment Blank)	17-09-0972	17-09-0972-10	9/13/17	EPA 8260B
GWS02749	17-09-0972	17-09-0972-11	9/13/17	EPA 8260B
GWS02796	17-09-0972	17-09-0972-12	9/13/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02799	17-09-0972	17-09-0972-13	9/13/17	EPA 8260B
GWS02795	17-09-0972	17-09-0972-14	9/13/17	EPA 8260B
GWS02768	17-09-0972	17-09-0972-15	9/13/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
FBS02232 (Trip Blank)	17-09-0972	17-09-0972-16	9/13/17	EPA 8260B
FBS02202 (Equipment Blank)	17-09-0972	17-09-0972-17	9/13/17	EPA 8260B
GWS02727	17-09-0972	17-09-0972-18	9/13/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02815	17-09-0972	17-09-0972-19	9/13/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02794	17-09-0972	17-09-0972-20	9/13/17	EPA 8260B
GWS02784	17-09-0972	17-09-0972-21	9/13/17	EPA 8260B
GWS02793	17-09-0972	17-09-0972-22	9/13/17	EPA 8260B
GWS02789	17-09-0972	17-09-0972-23	9/13/17	EPA 8260B
GWS02810 (Field Duplicate of GWS02789)	17-09-0972	17-09-0972-24	9/13/17	EPA 8260B
FBS02237 (Trip Blank)	17-09-1107	17-09-1107-1	9/14/17	EPA 8260B
FBS02212 (Equipment Blank)	17-09-1107	17-09-1107-2	9/14/17	EPA 8260B
GWS02722	17-09-1107	17-09-1107-3	9/14/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02754	17-09-1107	17-09-1107-4	9/14/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
FBS02238 (Trip Blank)	17-09-1107	17-09-1107-5	9/14/17	EPA 8260B
FBS02213 (Equipment Blank)	17-09-1107	17-09-1107-6	9/14/17	EPA 8260B
GWS02800	17-09-1107	17-09-1107-7	9/14/17	EPA 8260B

Table M-1
Sample Analyzed by Eurofins/ Calscience Laboratories

Sample	SDG	Sample Number	Date Sampled	Analyses Performed
GWS02803 (Field Duplicate of GWS02800)	17-09-1107	17-09-1107-8	9/14/17	EPA 8260B
GWS02721	17-09-1107	17-09-1107-9	9/14/17	EPA 8260B
GWS02772	17-09-1107	17-09-1107-10	9/14/17	EPA 8260B
GWS02732	17-09-1107	17-09-1107-11	9/14/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
FBS02236 (Trip Blank)	17-09-1107	17-09-1107-12	9/14/17	EPA 8260B
FBS02201 (Equipment Blank)	17-09-1107	17-09-1107-13	9/14/17	EPA 8260B
GWS02733	17-09-1107	17-09-1107-14	9/14/17	EPA 8260B
GWS02787	17-09-1107	17-09-1107-15	9/14/17	EPA 8260B
GWS02735	17-09-1107	17-09-1107-16	9/14/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02759	17-09-1107	17-09-1107-17	9/14/17	EPA 8260B, 300.0; RSK-175 SM 2320, 3500-FeB, 4500-CO2D
GWS02804 (Field Duplicate of GWS02759)	17-09-1107	17-09-1107-18	9/14/17	EPA 8260B
IWS00285	17-09-1110	17-09-1110-2	9/14/17	EPA 8015B, 6010B, 7470A, 8260B
GWS02792	17-09-1181	17-09-1181-1	9/7/17	EPA 8260B
GWS02792	17-09-1182	17-09-1182-1	9/7/17	SM 3500-FeB, 6010B (Iron)
IWS00287	17-09-1392	17-09-1392-1	9/19/17	EPA 8015B[1]
IWS00288	17-09-1392	17-09-1392-2	9/19/17	EPA 8015B[1]

SDG: Sample Delivery Group
EPA 8260B: Volatile Organic Compounds (VOCs)
EPA 300.0: Nitrate, Sulfate
RSK-175M: Methane
SM 3500-FeB: Ferrous Iron
SM4500-CO2D: Carbon Dioxide
SM 2320B: Alkalinity
EPA 6010B: Total Metals
EPA 7470A: Mercury
EPA 8015B[1]: Carbon Range (C13-C44)
EPA 8015B: Carbon Range (C4-C44)

ATTACHMENT A
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by AECOM Data Review Team

DATA QUALIFIER DEFINITIONS FOR ORGANIC ANALYES

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+ The result is an estimated quantity, but the result may be biased high.
J- The result is an estimated quantity, but the result may be biased low.
UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

DATA QUALIFIER DEFINITIONS FOR INORGANIC ANALYSES

U The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ The result is an estimated quantity, but the result may be biased high.
J- The result is an estimated quantity, but the result may be biased low.
UJ The analyte was analyzed for, but was not detected. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.
R The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control (QC) criteria. The analyte may or may not be present in the sample.

AECOM DATA QUALIFIER DEFINITIONS — REASON CODE DEFINITIONS

a Analytical sequence deficiency or omission.
b Gross compound breakdown (4,4'-DDT/Endrin).
c Calibration failure; poor or unstable response.
d Laboratory duplicate imprecision.
e Laboratory duplicate control sample imprecision.
f Field duplicate imprecision.
g Poor chromatography.
h Holding time violation.
i Internal standard failure.
j Poor mass spectrographic performance.
k Serial dilution imprecision.
l Laboratory control sample recovery failure.
m Matrix spike/matrix spike duplicate recovery failure.
n Interference check sample recovery failure.
o Calibration blank contamination (metals/inorganics only).
p Preparation blank contamination (metals/inorganics only).
q Quantitation outside linear range.
r Linearity failure in initial calibration.
s Surrogate spike recovery failure (GC organics and GC/MS organics only).
t Instrument tuning failure.
u No valid confirmation column (GC Organics only).
v Value is estimated below the MDA (Rads only).
w Retention time (RT) outside of RT window.
x Field blank contamination.
y Trip blank contamination.
z Method blank contamination.

INTERPRETATION KEY

The following example shows how an analytical result which includes qualifiers assigned by both the AECOM data review team and the analytical laboratory could be displayed in the data tables:

<5.20 Uz | JB

The qualifier assigned by the AECOM data review team precedes the "|"; the qualifier assigned by the laboratory follows it. In this example, the result is qualified as a non-detection data to the bias introduced by contamination of the associated method blank. Presence of the analyte in the method blank is indicated by the laboratory qualifier (B). The qualifier assigned by the AECOM data review team (Uz) indicates that the analyte concentration is considered to be below the adjusted detection limit (quantitation limit) based on the level of contamination in the method blank.

Montrose Superfund Site
Data Quality Assessment
Aqueous Samples

Laboratory SDG #	Sample Ids.	No. of Samples	Sample Date	Parameter/Analytical Method	Data Review Effort	QC Reviewed	Data Usability
J191486	JMWD-01_2017090, JMWD-03_20170905, JMWD-02_20170905	3	9/5/2017	pCBSA/ Modified EPA Method 314.0	Stage 2A	Holding Times, Sample Receipt Conditions, MB, LCS/LCSD, MS/MSD (if available)	No data required qualification as a result of this review effort.
J191578	MWC021_20170906, TMW_14_20170906, IWC001_20170906, MWC017_20170906, MWC024_20170906, MWB029_20170906, CMW001_20170906, CMW002_20170906, CMW00200_20170906	9	9/6/2017	pCBSA/ Modified EPA Method 314.0			No data required qualification as a result of this review effort.
J191687	P-10_20170907, P-26C_20170907, SWL0010_20170907, BL-14C_20170907, SWL0037_20170907, SWL0025_20170907, BL-14B_20170907, P-16C_20170907, SWL0035_20170907, BL-14A_20170907, P-22_20170907, SWL0036_20170907, MW-27_20170907	13	9/7/2017	pCBSA/ Modified EPA Method 314.0			No data required qualification as a result of this review effort.
J191785	SWL0052_20170908, SWL0056_20170908, G-02WC_20170908, SWL0053_20170908, SWL0033_20170908	5	9/8/2017	pCBSA/ Modified EPA Method 314.0			No data required qualification as a result of this review effort.

Montrose Superfund Site
Data Quality Assessment
Aqueous Samples

Laboratory SDG #	Sample Ids.	No. of Samples	Sample Date	Parameter/Analytical Method	Data Review Effort	QC Reviewed	Data Usability
J191886	SWL0026-20170911, BF-22-20170911, G-27-20170911, BF-30-20170911, 22BF-21-20170911, G-24-20170911, G-26-20170911, BF-29-20170911, BF-31-20170911, G-30-20170911, EB-2017091101, TB-2017091101, G-23-20170911, BF-17-20170911, BF-12-20170911, G-18-20170911, G-19A-20170911, BF-24-20170911, MW-25-20170911, MW-22-20170911, EB-2017091102, TB-2017091102	24	9/11/2017	VOAs/EPA Method SW-846 8260B	Stage 2A	Holding Times, Sample Receipt Conditions, MB, TB, EB, LCS/LCSD, MS/MSD (if available)	The results for Methylene chloride in BF-12-20170911, G-18-20170911, G-19A-20170911, MW-25-20170911 and MW-22-20170911 were qualified as not detected (U) at the reporting limit due to trip and equipment blank contamination. May not be true sample cmponent. The result for acetone in TB-2017091101 was qualified as estimated (UJ) due to low LCS recovery. The potential for a false negative exists.
		22		pCBSA/ Modified EPA Method 314.0		Holding Times, Sample Receipt Conditions, MB, LCS/LCSD, MS/MSD (if available)	No data required qualification as a result of this review effort.
J191905	G-OW-01_20170911, BF-OW-01_20170911, BF-OW-0100_20170911, PZL0025_20170911, MW-17_20170911, BF-20_20170911, SWL0055_20170911, BF-01_20170911, MW-08_20170911, SWL0023_20170911, MW-07_20170911, MBFB-OW-01_20170911.	12	9/11/201	pCBSA/ Modified EPA Method 314.0	Stage 2A	Holding Times, Sample Receipt Conditions, MB, LCS/LCSD, MS/MSD (if available)	No data required qualification as a result of this review effort.
J191976	G-34_20170912, BF-36_20170912, G-31_20170912, G-32_20170912, EB_2017091201, EB_2017091202, TB_2017091201, TB_2017091202, SWL0027_20170911, BF-16_20170911, BF-11_20170911, SWL0020_20170911, MW-10_20170912, LW-03_20170912, G-14_20170912, BF-19_20170912, G-15_20170912, G-21_20170912, MW-19_20170912, MW-09_20170912, BF-33_20170912, BF-26_20170912, G-28_20170912, G-29_20170912	24	9/12/2017	VOAs/EPA Method SW-846 8260B	Stage 3	Holding Times, Sample Receipt Conditions, MB, TB, EB, LCS/LCSD, MS/MSD (if available)	The result for Acetone in MW-19_20170912 was qualified as not detected (U) at the reported value due to equipment blank contamination. May not be a true sample component. The results for 2-Butanone in all samples were qualified as estiamted (J, UJ) due to low average relative response factor in the initial calibration. The results for tert-Amyl Ethyl Ether in BF-11_20170911, SWL0020_20170911, MW-10_20170912, LW-03_20170912, G-14_20170912, BF-19_20170912, G-15_20170912, G-21_20170912, EB_2017091201 and BF-16_20170911 were qualified as estimated (UJ) due to low response in the continuing calibration standard. Results may be biased low or there may be false negatives.
		22		pCBSA/ Modified EPA Method 314.0		Holding Times, Sample Receipt Conditions, MB, LCS/LCSD, MS/MSD (if available)	No data required qualification as a result of this review effort.

Montrose Superfund Site
Data Quality Assessment
Aqueous Samples

Laboratory SDG #	Sample Ids.	No. of Samples	Sample Date	Parameter/Analytical Method	Data Review Effort	QC Reviewed	Data Usability
J191999	G-20_20170912, BL-13C_20170912, G-17_20170912, BL-13BD_20170912, MW-31_20170912, BF-13-_20170912, MW-03_20170912, SWL0058_20170912, SWL0022_20170912, SWL0013_20170912, MW-28_20170912, MW-2800_20170912	12	9/12/2017	VOAs/ EPA Method SW-846 8260B	Stage 2A	Holding Times, Sample Receipt Conditions, MB, LCS/LCSD, MS/MSD (if available), calibration, reported concentrations	No data required qualification as a result of this review effort.
J192076	MW-21_20170913, MW-29_20170913, MW-14_20170913, SWL0063_20170913	3	9/13/2017	pCBSA/ Modified EPA Method 314.0	Stage 2A	Holding Times, Sample Receipt Conditions, MB, LCS/LCSD, MS/MSD (if available), calibration, reported concentrations	No data required qualification as a result of this review effort.
J192083	G-04_20170912, BF-05_20170912, MW-12_20170912, BF-28_20170912, BF-25_20170912, BF-27_20170912, BF-14_20170913, SWL0034_20170913, MW-30_20170913, MW-30_20170913_FD, MW-24_20170913, G-08_20170913, BF-15_20170913, BF-15_20170913_FD, BF-04_20170913, BF-03_20170913, LW-06_20170913, MW-05_20170913, MW-11_20170913, MW-11_20170913_FD, BF-23_20170913, BF-32A_20170913, G-33_20170913, G-33_20170913_FD, MW-01_20170913, LG-01_20170913, G-02_20170913, MW-23_20170913, LW-07_20170913, EB_20170913_01, EB_20170913_02, TB_20170913_01, TB_20170913_02	33	9/12/2017	VOAs/EPA Method SW-846 8260B	Stage 2A	Holding Times, Sample Receipt Conditions, MB, EB, TB, Field Duplicates LCS/LCSD, MS/MSD (if available)	The results for all compounds in BF-15_20170913, MW-12_20170912, BF-28_20170912, BF-27_20170912 and BF-14_20170913 were qualified as estimated (J, UJ) due to the presence of headspace in the VO vials. Results may be biased low or there may be false negatives.
		31		pCBSA/ Modified EPA Method 314.0		Holding Times, Sample Receipt Conditions, MB, LCS/LCSD, Field Duplicates, MS/MSD (if available)	No data required qualification as a result of this review effort.
J192202	BF-06_20170914	1	9/14/2017	pCBSA/ Modified EPA Method 314.0	Stage 2A	Holding Times, Sample Receipt Conditions, MB, LCS/LCSD, MS/MSD (if available)	No data required qualification as a result of this review effort.

Montrose Superfund Site
Data Quality Assessment
Aqueous Samples

Laboratory SDG #	Sample Ids.	No. of Samples	Sample Date	Parameter/Analytical Method	Data Review Effort	QC Reviewed	Data Usability
J192212	G-03_20170913, BF-02_20170913, G-13_20170913, G-35_20170913, G-09_20170913, SWL0011_20170914, G-OW-3_20170914, MW-02_20170914, LW-04_20170914, LW-02_20170914, LW-05_20170914, LW-05_20170914_FD, LW-01_20170914, MW-06_20170914, MW-13_20170914, G-05_20170914, LG-02_20170914, G-16_20170914, G-12_20170914, G-12_20170914_FD, MW-26_20170914, SWL0049_20170914, EB_20170914_01, BF-10_20170913, BF-09_20170914, BF-09_20170914_FD, BF-09_20170914_FD, EB_20170914_02, EB_20170914_03, TB_20170914_01, TB_20170914_02, BF-35_20170914_FD, BF-35_20170914, G-25_20170914, MW-04_20170914, MW-04_20170914_FD	36	9/14/2017	VOAs/EPA Method 8260B	Stage 3	Holding Times, Sample Receipt Conditions, MB, LCS/LCSD, Field Duplicates, MS/MSD (if available)	The result for Chlorobenzene in BF-09_20170914 was qualified as estimated (J) because the concentration exceeded the linear calibration range. The result for 2-Butanone in all samples was qualified as estiamted (J, UJ) due to low average relative response factor in the initial calibration. Results may be biased low or there may be false negatives.
		34		pCBSA/ Modified EPA Method 314.0		Holding Times, Sample Receipt Conditions, MB, LCS/LCSD, Field Duplicates, MS/MSD (if available)	No data required qualification as a result of this review effort.
J192878	CMW001_20170925, BF-09_20170925, TRIP BLANKS	3	9/25/2017	VOAs/EPA Method SW-846 8260B	Stage 2A	Holding Times, Sample Receipt Conditions, MB, TB, LCS/LCSD, MS/MSD (if available)	No data required qualification as a result of this review effort.
		2		pCBSA/ Modified EPA Method 314.0		Holding Times, Sample Receipt Conditions, MB, LCS/LCSD, MS/MSD (if available)	No data required qualification as a result of this review effort.

Montrose Superfund Site
Data Quality Assessment
Aqueous Samples

Laboratory SDG #	Sample Ids.	No. of Samples	Sample Date	Parameter/Analytical Method	Data Review Effort	QC Reviewed	Data Usability
440-196255-1	MW-16_20171109	1	11/9/2017	VOAs/EPA Method SW-846 8260B	Stage 3	Holding Times, Sample Receipt Conditions, MB, TB, EB, LCS/LCSD, MS/MSD, Calibration Data	The results for Acetone and 1,2-Dibromo-3-chloropropane were qualified as estimated (J, UJ) due to low response in the continuing calibration standard. The results for Acetone and DIchlorodifluoromethane were qualified as estimated (J, UJ) due to low MS and/or MSD recoveries. Results may be biased low or there may be false negatives.
	BF-OW-04_20171109	1		pCBSA/ Modified EPA Method 314.0		Holding Times, Sample Receipt Conditions, MB, EB, LCS/LCSD, MS/MSD, Calibration Data	No data required qualification as a result of this review effort.
440-196255-1	BF-0W-04_20171109, MBFB-EW-1_20171109, MBFB-EW-1_20171109_FD, TB_20171109, EB_20171109	5	11/9/2017	VOAs/EPA Method SW-846 8260B	Stage 2A	Holding Times, Sample Receipt Conditions, MB, TB, EB,Field Duplicates, LCS/LCSD, MS/MSD	The results for Acetone and 1,2-Dibromo-3-chloropropane in all samples were qualified as estimated (J, UJ) due to low response in the continuing calibration standard. The results for Acetone and DIchlorodifluoromethane in all samples except the equipment blank were qualified as estimated (J, UJ) due to low MS and/or MSD recoveries. Results may be biased low or there may be false negatives.
	MW-16_20171109, MBFB-EW-1_20171109, MBFB-EW-1_20171109_FD, EB_20171109	4		pCBSA/ Modified EPA Method 314.0		Holding Times, Sample Receipt Conditions, MB, EB, Field Duplicates, LCS/LCSD, MS/MSD	The result for pCBSA in EB_20171109 was qualified as estimated (UJ) due to low recovery in the Method Reporting Limit Standard. The potential for a false negative exists.

Appendix N

Laboratory Reports
(USB Drive for hard copy reports)

Appendix O

Additional Dilution and 8260 SIM Data

Table O-1
Comparison of Dilutions
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR

Location ID	Sample ID	Analyte	Original Concentration (RL/MDL)	Diluted Concentration (RL/MDL)
PZL0026	GWS02732	Tetrachloroethene	<50/19	<25/9.7
		Trichloroethene	<50/18	<25/9.2
SWL0004	GWS02735	Tetrachloroethene	<500/190	<250/97
		Trichloroethene	<500/180	<250/92
SWL0048	GWS02768	Tetrachloroethene	<1000/390	<500/190
		Trichloroethene	<1000/370	<500/180
SWL0068	GWS02754	Tetrachloroethene	<1000/390	<500/190
		Trichloroethene	<1000/370	<500/180
MW-04HD	GWS02759	Tetrachloroethene	<2000/770	<1000/390
		Trichloroethene	<2000/740	<1000/370
MW-12	GWS02813	Tetrachloroethene	<10/3.9	<5.0/1.9
		Trichloroethene	<10/3.7	<5.0/1.8
MW-29	GWS02799	Tetrachloroethene	<100/39	<50/19
		Trichloroethene	<100/37	<50/18

Note:
Units in µg/l

Table O-2
Comparison of EPA Method 8260B and EPA Method 8260 Single Ion Method (SIM) Data
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR

Analytes	California Maximum Contaminant Level	Well ID:	PZL0009						PZL0012						SWL0004							
		Sample ID:	GWS02411	GWS02506	GWS02606	GWS02719	GWS02710		GWS02414	GWS02509	GWS02609	GWS02722	GWS02722		GWS02427	GWS02522	GWS02623	GWS02735	GWS02708		GWS02711 (Dup)	
		Lab ID:	09/10/14	09/30/15	09/15/16	09/08/17	09/15/16	09/15/16	09/05/14	10/02/15	09/14/16	09/14/17	09/14/17	09/14/17	09/12/14	10/01/15	09/19/16	09/14/17	09/19/16	09/19/16	09/19/16	09/19/16
		Sample Date:	Calscience				Test America		Calscience				Test America		Calscience				Test America			
		Method ID:	8260B	8260B	8260B	8260B	8260B	8260B SIM	8260B	8260B	8260B	8260B	8260B	8260BSIM	8260B	8260B	8260B	8260B	8260B	8260B SIM	8260B	8260B SIM
Acetone		ug/l	ND (<20)	ND (<20)	ND (<20)	ND (<20)	ND (<20)	-	**78**	ND (<200)	ND (<100)	**32 J**	**39**	-	ND (<5000)	ND (<10000)	ND (<10000)	ND (<10000)	ND (<4000)	-	ND (<4000)	-
Tert-Amyl-Methyl Ether (TAME)		ug/l	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.50)	-	ND (<5.0)	ND (<20)	ND (<10)	ND (<2.0)	ND (<0.50)	-	ND (<500)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<100)	-	ND (<100)	-
Benzene	1	ug/l	**11**	**9.1**	**6.2**	**240**	**5.0**	-	ND (<1.2)	ND (<5.0)	ND (<2.5)	**1.7**	**2.1**	-	**46000**	**49000**	**80000**	**72000**	**78000**	-	**73000**	-
Bromobenzene		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Bromochloromethane		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Bromodichloromethane		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Bromoform		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<1.0)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<200)	-	ND (<200)	-
Bromomethane		ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<0.50)	-	ND (<25)	ND (<100)	ND (<50)	ND (<10)	ND (<0.50)	-	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	ND (<100)	-	ND (<100)	-
2-Butanone		ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5.0)	-	ND (<25)	ND (<100)	**13 J**	ND (<10)	ND (<5.0)	-	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	ND (<1000)	-	ND (<1000)	-
Tert-Butyl Alcohol (TBA)		ug/l	-	**10**	-	-	**9.5 J**	-	**2800**	**6700**	**6900**	**5500**	**8400**	-	-	ND (<5000)	-	-	ND (<2000)	-	ND (<2000)	-
n-Butylbenzene		ug/l	ND (<1.0)	ND (<1.0)	**2.0**	**11**	**2.2**	-	ND (<2.5)	ND (<10)	ND (<5.0)	**0.60 J**	ND (<1.0)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<200)	-	ND (<200)	-
sec-Butylbenzene		ug/l	**21**	**19**	**14**	**22**	**12**	-	ND (<2.5)	ND (<10)	ND (<5.0)	**0.32 J**	**0.31 J**	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
tert-Butylbenzene		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Carbon Disulfide		ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<10)	-	-	ND (<25)	ND (<100)	ND (<50)	ND (<10)	-	-	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	-	-	-	-
Carbon Tetrachloride	0.5	ug/l	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.20)	ND (<1.2)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<0.20)	ND (<120)	ND (<250)	ND (<250)	ND (<250)	ND (<100)	ND (<0.50)	ND (<100)	ND (<0.50)
Chlorobenzene	70	ug/l	**0.27 J**	**0.27 J**	**0.24 J**	**0.41 J**	ND (<0.50)	**0.22**	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	**5.2**	**1.9**	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	ND (<0.50)	ND (<100)	ND (<0.50)
Chlorodibromomethane		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Chloroethane		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	-	ND (<12)	ND (<50)	ND (<25)	ND (<5.0)	ND (<1.0)	-	ND (<1200)	ND (<2500)	ND (<2500)	ND (<2500)	ND (<200)	-	ND (<200)	-
Chloroform		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Chloromethane		ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<0.50)	-	ND (<25)	ND (<100)	ND (<50)	ND (<10)	ND (<0.50)	-	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	ND (<100)	-	ND (<100)	-
2-Chlorotoluene		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
4-Chlorotoluene		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Cyclohexane		ug/l	**71**	**80**	**47**	**10**	-	-	ND (<25)	ND (<100)	ND (<50)	ND (<10)	-	-	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	-	-	-	-
Cyclohexanone		ug/l	-	-	ND (<50)	-	-	-	-	-	-	-	-	-	-	-	ND (<25000)	-	-	-	-	-
Di-isopropyl ether (DIPE)		ug/l	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.50)	-	ND (<5.0)	ND (<20)	ND (<10)	ND (<2.0)	ND (<0.50)	-	ND (<500)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<100)	-	ND (<100)	-
1,2-Dibromo-3-Chloropropane	0.2	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	-	ND (<12)	ND (<50)	ND (<25)	ND (<5.0)	ND (<1.0)	-	ND (<1200)	ND (<2500)	ND (<2500)	ND (<2500)	ND (<200)	-	ND (<200)	-
1,2-Dibromoethane	0.05	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Dibromomethane		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Dichlordifluoromethane		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<1.0)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<200)	-	ND (<200)	-
1,2-Dichlorobenzene	600	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	ND (<0.50)	ND (<100)	ND (<0.50)
1,3-Dichlorobenzene		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
1,4-Dichlorobenzene	5	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	ND (<0.50)	ND (<100)	ND (<0.50)
1,1-Dichloroethane	5	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	**83 J**	ND (<500)	**160 J**	ND (<500)	**100**	**76**	**120**	**78**
1,2-Dichloroethane	0.5	ug/l	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.20)	ND (<1.2)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<0.20)	ND (<120)	ND (<250)	ND (<250)	ND (<250)	ND (<100)	**0.40 J**	ND (<100)	**0.38 J**
1,1-Dichloroethene	6	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	**0.12 J**	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	**0.90**	ND (<100)	**0.91**
c-1,2-Dichloroethene	6	ug/l	**0.88 J**	**0.98 J**	**0.96 J**	**0.79 J**	**0.70**	**0.94**	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	**5.2**	ND (<100)	**5.2**
t-1,2-Dichloroethene	10	ug/l	**0.52 J**	**0.78 J**	**0.66 J**	**0.79 J**	**0.52**	**0.60**	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	**36**	**56 J**	**37**
1,2-Dichloropropane	5	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	ND (<0.50)	ND (<100)	ND (<0.50)
1,3-Dichloropropane		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
2,2-Dichloropropane		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<1.0)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<200)	-	ND (<200)	-
1,1-Dichloropropene		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
c-1,3-Dichloropropene		ug/l	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	-	ND (<1.2)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<0.50)	-	ND (<120)	ND (<250)	ND (<250)	ND (<250)	ND (<100)	-	ND (<100)	-
t-1,3-Dichloropropene		ug/l	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	-	ND (<1.2)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<0.50)	-	ND (<120)	ND (<250)	ND (<250)	ND (<250)	ND (<100)	-	ND (<100)	-
Ethanol		ug/l	ND (<100)	ND (<100)	ND (<100)	ND (<100)	-	-	ND (<250)	ND (<1000)	ND (<500)	ND (<100)	-	-	ND (<25000)	ND (<50000)	ND (<50000)	ND (<50000)	-	-	-	-
Ethyl tert-Butyl Ether (ETBE)		ug/l	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.50)	-	ND (<5.0)	ND (<20)	ND (<10)	ND (<2.0)	**0.40 J**	-	ND (<500)	ND (<1000)	ND (<1000)	ND (<1000)	ND (<100)	-	ND (<100)	-
Ethylbenzene	300	ug/l	**0.93 J**	**0.94 J**	**0.81 J**	**1500**	**0.65**	**0.74**	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	**0.31**	**44 J**	ND (<500)	ND (<500)	**94 J**	**54 J**	**53**	**63 J**	**55**
Freon 11 (Trichlorofluoromethane)	150	ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<0.50)	ND (<0.20)	ND (<25)	ND (<100)	ND (<50)	ND (<10)	ND (<0.50)	ND (<0.20)	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	ND (<100)	ND (<0.50)	ND (<100)	ND (<0.50)
Hexachloro-1,3-Butadiene		ug/l	-	-	-	-	ND (<0.50)	-	-	-	-	-	ND (<0.50)	-	-	-	-	-	ND (<100)	-	ND (<100)	-
2-Hexanone		ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5.0)	-	ND (<25)	ND (<100)	ND (<50)	ND (<10)	ND (<5.0)	-	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	ND (<1000)	-	ND (<1000)	-
Isopropylbenzene		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	**23**	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
p-Isopropyltoluene		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Methyl Tert-butyl ether (MTBE)	13	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	**3.2**	**15**	**4.3 J**	**4.7**	**11**	**5.4**	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	ND (<0.50)	ND (<100)	ND (<0.50)
4-Methyl-2-Pentanone		ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<5.0)	-	ND (<25)	ND (<100)	ND (<50)	ND (<10)	ND (<5.0)	-	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	ND (<1000)	-	ND (<1000)	-
Methylene Chloride	5	ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<2.0)	-	ND (<25)	ND (<100)	ND (<50)	ND (<10)	ND (<2.0)	-	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	ND (<400)	-	ND (<400)	-
Naphthalene		ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<10)	ND (<1.0)	-	ND (<25)	ND (<100)	ND (<50)	ND (<10)	ND (<1.0)	-	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	ND (<200)	-	ND (<200)	-
n-Propylbenzene		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	**7.1**	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Styrene	100	ug/l	ND (<1.0)	**0.20 J**	ND (<1.0)	**1.7**	ND (<0.50)	**0.10 J**	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	**10**	ND (<100)	**11**
1,1,1,2-Tetrachloroethane		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
1,1,2,2-Tetrachloroethane	1	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	ND (<0.50)	ND (<100)	ND (<0.50)
Tetrachloroethene	5	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<250)	ND (<100)	ND (<0.50)	ND (<100)	ND (<0.50)
Toluene	150	ug/l	**0.58 J**	**0.60 J**	**0.51 J**	**11**	**0.45 J**	**0.48**	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	**160 J**	ND (<100)	**10**	ND (<100)	**11**
1,1,2-Trichloro-1,2,2-Trifluoroethane	1200	ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<10)	-	ND (<20)	ND (<25)	ND (<100)	ND (<50)	ND (<10)	-	ND (<0.20)	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	-	ND (<0.50)	-	ND (<0.50)
1,2,3-Trichlorobenzene		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<1.0)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<200)	-	ND (<200)	-
1,2,4-Trichlorobenzene	5	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.20)	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<200)	ND (<0.50)	ND (<200)	ND (<0.50)
1,1,1-Trichloroethane	200	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	ND (<0.50)	ND (<100)	ND (<0.50)
1,1,2-Trichloroethane	5	ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	ND (<0.50)	ND (<100)	ND (<0.50)
Trichloroethene	5	ug/l	**4.0**	**5.9**	**5.5**	**3.5**	**4.8**	**5.1**	ND (<2.5) UJ	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<250)	ND (<500)	ND (<500)	ND (<250)	ND (<100)	**2.6**	ND (<100)	**2.5**
1,2,3-Trichloropropane		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	-	ND (<12)	ND (<50)	ND (<25)	ND (<5.0)	ND (<1.0)	-	ND (<1200)	ND (<2500)	ND (<2500)	ND (<2500)	ND (<200)	-	ND (<200)	-
1,2,4-Trimethylbenzene		ug/l	**0.74 J**	**0.92 J**	**14**	ND (<1.0)	**0.66**	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
1,3,5-Trimethylbenzene		ug/l	ND (<1.0)	ND (<1.0)	**0.48 J**	ND (<1.0)	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Vinyl Acetate		ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<10)	-	-	ND (<25)	ND (<100)	ND (<50)	ND (<10)	-	-	ND (<2500)	ND (<5000)	ND (<5000)	ND (<5000)	-	-	-	-
Vinyl Chloride	0.5	ug/l	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.50)	**0.10 J**	ND (<1.2)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<0.20)	ND (<120)	ND (<250)	ND (<250)	ND (<250)	ND (<100)	**4.7**	ND (<100)	**4.7**
m,p-Xylene		ug/l	**0.99 J**	**1.0**	**0.75 J**	**2.8**	**0.61 J**	-	ND (<2.5)	ND (<10)	ND (<5.0)	**0.83 J**	ND (<1.0)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<200)	-	ND (<200)	-
o-Xylene		ug/l	ND (<1.0)	ND (<1.0)	ND (<1.0)	**0.84 J**	ND (<0.50)	-	ND (<2.5)	ND (<10)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-	ND (<250)	ND (<500)	ND (<500)	ND (<500)	ND (<100)	-	ND (<100)	-
Xylenes (Total)	1750	ug/l	-	-	-	-	**0.61 J**	-	-	-	-	-	ND (<1.0)	-	-	-	-	-	ND (<200)	-	ND (<200)	-

Table O-2
Comparison of EPA Method 8260B and EPA Method 8260 Single Ion Method (SIM) Data
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR

Analytes	California Maximum Contaminant Level	Well ID:	SWL0065									XMW-01HD						XMW-02HD					
		Sample ID:	GWS02485	GWS02576	GWS02678	GWS02789	GWS02810	GWS02789		GWS02810 (Dup)		GWS02447	GWS02540	GWS02689	GWS02756	GWS02709		GWS02448	GWS02541	GWS02690	GWS02757	GWS02757	
		Lab ID:	09/11/14	10/01/15	09/19/16	09/13/17	09/13/17	09/13/17	09/13/17	09/13/17	09/13/17	09/11/14	10/01/15	09/19/16	09/13/17	09/19/16	09/19/16	09/10/14	10/02/15	09/15/16	09/13/17	09/13/17	09/13/17
		Sample Date:	Calscience					Test America				Calscience				Test America		Calscience				Test America	
		Method ID:	8260B	8260B	8260B	8260B	8260B	8260B	8260BSIM	8260B	8260BSIM	8260B	8260B	8260B	8260B	8260B	8260B SIM	8260B	8260B	8260B	8260B	8260B	8260BSIM
Acetone		ug/l	ND (<100)	ND (<100)	ND (<100)	ND (<20)	ND (<20)	ND (<20)	-	ND (<20)	-	**18 J**	ND (<100)	ND (<100)	ND (<100)	ND (<100)	-	ND (<200)	ND (<200)	ND (<400)	ND (<20)	ND (<20)	-
Tert-Amyl-Methyl Ether (TAME)		ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<2.0)	ND (<2.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<2.0)	ND (<10)	ND (<10)	ND (<10)	ND (<2.5)	-	ND (<20)	ND (<20)	ND (<40)	ND (<2.0)	ND (<0.50)	-
Benzene	1	ug/l	**470**	ND (<2.5)	ND (<2.5)	**0.28 J**	**0.34 J**	**0.36 J**	-	**0.41 J**	-	**62**	**100**	**29**	**190**	**48**	-	ND (<5.0)	ND (<5.0)	ND (<10)	ND (<0.50)	ND (<0.50)	-
Bromobenzene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Bromochloromethane		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Bromodichloromethane		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Bromoform		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	-	ND (<1.0)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<1.0)	-
Bromomethane		ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	ND (<0.50)	-	ND (<0.50)	-	ND (<10)	ND (<50)	ND (<50)	ND (<50)	ND (<2.5)	-	ND (<100)	ND (<100)	ND (<200)	ND (<10)	ND (<0.50)	-
2-Butanone		ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	ND (<5.0)	-	ND (<5.0)	-	**3.0 J**	ND (<50)	ND (<50)	ND (<50)	ND (<25)	-	ND (<100)	ND (<100)	ND (<200)	ND (<10)	ND (<5.0)	-
Tert-Butyl Alcohol (TBA)		ug/l	-	ND (<50)	-	-	-	**8.7 J**	-	**9.7 J**	-	-	**2900**	**16000**	**4600**	**2500**	-	-	**7700**	**1700**	**1500**	**340**	-
n-Butylbenzene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	-	ND (<1.0)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<1.0)	-
sec-Butylbenzene		ug/l	**4.7 J**	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
tert-Butylbenzene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Carbon Disulfide		ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	-	-	-	-	ND (<10)	ND (<50)	ND (<50)	ND (<50)	-	-	ND (<100)	ND (<100)	ND (<200)	ND (<10)	-	-
Carbon Tetrachloride	0.5	ug/l	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<0.50)	ND (<5.0)	ND (<5.0)	ND (<10)	ND (<0.50)	ND (<0.50)	ND (<0.20)
Chlorobenzene	70	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	**1.0**	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	**0.43**
Chlorodibromomethane		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Chloroethane		ug/l	ND (<25)	ND (<25)	ND (<25)	ND (<5.0)	ND (<5.0)	ND (<1.0)	-	ND (<1.0)	-	ND (<5.0)	ND (<25)	ND (<25)	ND (<25)	ND (<5.0)	-	ND (<50)	ND (<50)	ND (<100)	ND (<5.0)	ND (<1.0)	-
Chloroform		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Chloromethane		ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	ND (<0.50)	-	ND (<0.50)	-	ND (<10)	ND (<50)	ND (<50)	ND (<50)	ND (<2.5)	-	ND (<100)	ND (<100)	ND (<200)	ND (<10)	ND (<0.50)	-
2-Chlorotoluene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
4-Chlorotoluene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Cyclohexane		ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	-	-	-	-	ND (<10)	ND (<50)	ND (<50)	ND (<50)	-	-	ND (<100)	ND (<100)	ND (<200)	ND (<10)	-	-
Cyclohexanone		ug/l	-	-	ND (<250)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-isopropyl ether (DIPE)		ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<2.0)	ND (<2.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<2.0)	ND (<10)	ND (<10)	ND (<10)	ND (<2.5)	-	ND (<20)	ND (<20)	ND (<40)	ND (<2.0)	ND (<0.50)	-
1,2-Dibromo-3-Chloropropane	0.2	ug/l	ND (<25)	ND (<25)	ND (<25)	ND (<5.0)	ND (<5.0)	ND (<1.0)	-	ND (<1.0)	-	ND (<5.0)	ND (<25)	ND (<25)	ND (<25)	ND (<5.0)	-	ND (<50)	ND (<50)	ND (<100)	ND (<5.0)	ND (<1.0)	-
1,2-Dibromoethane	0.05	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Dibromomethane		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Dichlordifluoromethane		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	-	ND (<1.0)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<1.0)	-
1,2-Dichlorobenzene	600	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,3-Dichlorobenzene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
1,4-Dichlorobenzene	5	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,1-Dichloroethane	5	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,2-Dichloroethane	0.5	ug/l	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<0.50)	ND (<5.0)	ND (<5.0)	ND (<10)	ND (<0.50)	ND (<0.50)	ND (<0.20)
1,1-Dichloroethene	6	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
c-1,2-Dichloroethene	6	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
t-1,2-Dichloroethene	10	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,2-Dichloropropane	5	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,3-Dichloropropane		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
2,2-Dichloropropane		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	-	ND (<1.0)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<1.0)	-
1,1-Dichloropropene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
c-1,3-Dichloropropene		ug/l	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<0.50)	-	ND (<0.50)	-	ND (<0.50)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	-	ND (<5.0)	ND (<5.0)	ND (<10)	ND (<0.50)	ND (<0.50)	-
t-1,3-Dichloropropene		ug/l	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<0.50)	-	ND (<0.50)	-	ND (<0.50)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	-	ND (<5.0)	ND (<5.0)	ND (<10)	ND (<0.50)	ND (<0.50)	-
Ethanol		ug/l	ND (<500)	ND (<500)	ND (<500)	ND (<100)	ND (<100)	-	-	-	-	ND (<100)	ND (<500)	ND (<500)	ND (<500)	-	-	ND (<1000)	ND (<1000)	ND (<2000)	ND (<100)	-	-
Ethyl tert-Butyl Ether (ETBE)		ug/l	ND (<10)	ND (<10)	ND (<10)	ND (<2.0)	ND (<2.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<2.0)	ND (<10)	ND (<10)	ND (<10)	**1.3 J**	-	ND (<20)	ND (<20)	ND (<40)	ND (<2.0)	**0.58**	-
Ethylbenzene	300	ug/l	**30**	ND (<5.0)	ND (<5.0)	**1.0**	**0.99 J**	**0.91**	**0.99**	**0.93**	**0.88**	**0.44 J**	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	**0.69**	ND (<10)	ND (<10)	ND (<20)	**0.19 J**	**0.41 J**	**0.34**
Freon 11 (Trichlorofluoromethane)	150	ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<10)	ND (<50)	ND (<50)	ND (<50)	ND (<2.5)	ND (<0.50)	ND (<100)	ND (<100)	ND (<200)	ND (<10)	ND (<0.50)	ND (<0.20)
Hexachloro-1,3-Butadiene		ug/l	-	-	-	-	-	ND (<0.50)	-	ND (<0.50)	-	-	-	-	-	ND (<2.5)	-	-	-	-	-	ND (<0.50)	-
2-Hexanone		ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	ND (<5.0)	-	ND (<5.0)	-	ND (<10)	ND (<50)	ND (<50)	ND (<50)	ND (<25)	-	ND (<100)	ND (<100)	ND (<200)	ND (<10)	ND (<5.0)	-
Isopropylbenzene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
p-Isopropyltoluene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Methyl Tert-butyl ether (MTBE)	13	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	**6.9**	**7.6**	**6.8**	**5.4**	**5.8**	**6.1**	ND (<10)	**21**	ND (<20)	**1.4**	**7.7**	**1.0**
4-Methyl-2-Pentanone		ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	ND (<5.0)	-	ND (<5.0)	-	ND (<10)	ND (<50)	ND (<50)	ND (<50)	ND (<25)	-	ND (<100)	ND (<100)	ND (<200)	ND (<10)	ND (<5.0)	-
Methylene Chloride	5	ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	ND (<2.0)	-	ND (<2.0)	-	ND (<10)	ND (<50)	ND (<50)	ND (<50)	ND (<10)	-	ND (<100)	ND (<100)	ND (<200)	ND (<10)	ND (<2.0)	-
Naphthalene		ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	ND (<1.0)	-	ND (<1.0)	-	ND (<10)	ND (<50)	ND (<50)	ND (<50)	ND (<5.0)	-	ND (<100)	ND (<100)	ND (<200)	ND (<10)	**0.40 J**	-
n-Propylbenzene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Styrene	100	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,1,1,2-Tetrachloroethane		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
1,1,2,2-Tetrachloroethane	1	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
Tetrachloroethene	5	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
Toluene	150	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	**0.17 J**
1,1,2-Trichloro-1,2,2-Trifluoroethane	1200	ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	-	ND (<0.20)	-	ND (<0.20)	ND (<10)	ND (<50)	ND (<50)	ND (<50)	-	ND (<0.50)	ND (<100)	ND (<100)	ND (<200)	ND (<10)	-	ND (<0.20)
1,2,3-Trichlorobenzene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	-	ND (<1.0)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<1.0)	-
1,2,4-Trichlorobenzene	5	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.20)	ND (<1.0)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<1.0)	ND (<0.20)
1,1,1-Trichloroethane	200	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,1,2-Trichloroethane	5	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
Trichloroethene	5	ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	ND (<0.50)	ND (<10)	**8.8 J**	ND (<20)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,2,3-Trichloropropane		ug/l	ND (<25)	ND (<25)	ND (<25)	ND (<5.0)	ND (<5.0)	ND (<1.0)	-	ND (<1.0)	-	ND (<5.0)	ND (<25)	ND (<25)	ND (<25)	ND (<5.0)	-	ND (<50)	ND (<50)	ND (<100)	ND (<5.0)	ND (<1.0)	-
1,2,4-Trimethylbenzene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
1,3,5-Trimethylbenzene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Vinyl Acetate		ug/l	ND (<50)	ND (<50)	ND (<50)	ND (<10)	ND (<10)	-	-	-	-	ND (<10)	ND (<50)	ND (<50)	ND (<50)	-	-	ND (<100)	ND (<100)	ND (<200)	ND (<10)	-	-
Vinyl Chloride	0.5	ug/l	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<0.20)	ND (<0.50)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<0.50)	ND (<5.0)	ND (<5.0)	ND (<10)	ND (<0.50)	ND (<0.50)	ND (<0.20)
m,p-Xylene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	-	ND (<1.0)	-	ND (<1.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<1.0)	-
o-Xylene		ug/l	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	-	ND (<0.50)	-	**0.38 J**	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<2.5)	-	ND (<10)	ND (<10)	ND (<20)	ND (<1.0)	ND (<0.50)	-
Xylenes (Total)	1750	ug/l	-	-	-	-	-	ND (<1.0)	-	ND (<1.0)	-	-	-	-	-	ND (<5.0)	-	-	-	-	-	ND (<1.0)	-

Table O-2
Comparison of EPA Method 8260B and EPA Method 8260 Single Ion Method (SIM) Data
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR

Analytes	California Maximum Contaminant Level	Well ID:	XMW-03HD					
		Sample ID:	GWS02449	GWS02542	GWS02691	GWS02758	GWS02758	
		Lab ID:	09/09/14	10/02/15	09/14/16	09/13/17	09/13/17	09/13/17
		Sample Date:	Calscience				Test America	
		Method ID:	8260B	8260B	8260B	8260B	8260B	8260BSIM
Acetone		ug/l	ND (<20)	ND (<400)	ND (<100)	**16 J**	**45**	-
Tert-Amyl-Methyl Ether (TAME)		ug/l	-	ND (<40)	ND (<10)	ND (<2.0)	ND (<0.50)	-
Benzene	1	ug/l	ND (<0.50)	ND (<10)	ND (<2.5)	ND (<0.50)	ND (<0.50)	-
Bromobenzene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Bromochloromethane		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Bromodichloromethane		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Bromoform		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<1.0)	-
Bromomethane		ug/l	ND (<10)	ND (<200)	ND (<50)	ND (<10)	ND (<0.50)	-
2-Butanone		ug/l	ND (<10)	ND (<200)	**32 J**	ND (<10)	ND (<5.0)	-
Tert-Butyl Alcohol (TBA)		ug/l	-	**1700**	**18000**	**3100**	**14000**	-
n-Butylbenzene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<1.0)	-
sec-Butylbenzene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
tert-Butylbenzene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Carbon Disulfide		ug/l	ND (<10)	ND (<200)	ND (<50)	ND (<10)	-	-
Carbon Tetrachloride	0.5	ug/l	ND (<0.50)	ND (<10)	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<0.20)
Chlorobenzene	70	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	**2.8**	**1.5**
Chlorodibromomethane		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Chloroethane		ug/l	ND (<5.0)	ND (<100)	ND (<25)	ND (<5.0)	ND (<1.0)	-
Chloroform		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Chloromethane		ug/l	ND (<10)	ND (<200)	ND (<50)	ND (<10)	ND (<0.50)	-
2-Chlorotoluene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
4-Chlorotoluene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Cyclohexane		ug/l	ND (<10)	ND (<200)	ND (<50)	ND (<10)	-	-
Cyclohexanone		ug/l	-	-	-	-	-	-
Di-isopropyl ether (DIPE)		ug/l	-	ND (<40)	ND (<10)	ND (<2.0)	ND (<0.50)	-
1,2-Dibromo-3-Chloropropane	0.2	ug/l	ND (<5.0)	ND (<100)	ND (<25)	ND (<5.0)	ND (<1.0)	-
1,2-Dibromoethane	0.05	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Dibromomethane		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Dichlordifluoromethane		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<1.0)	-
1,2-Dichlorobenzene	600	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,3-Dichlorobenzene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
1,4-Dichlorobenzene	5	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,1-Dichloroethane	5	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,2-Dichloroethane	0.5	ug/l	ND (<0.50)	ND (<10)	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<0.20)
1,1-Dichloroethene	6	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
c-1,2-Dichloroethene	6	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
t-1,2-Dichloroethene	10	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,2-Dichloropropane	5	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,3-Dichloropropane		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
2,2-Dichloropropane		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<1.0)	-
1,1-Dichloropropene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
c-1,3-Dichloropropene		ug/l	ND (<0.50)	ND (<10)	ND (<2.5)	ND (<0.50)	ND (<0.50)	-
t-1,3-Dichloropropene		ug/l	ND (<0.50)	ND (<10)	ND (<2.5)	ND (<0.50)	ND (<0.50)	-
Ethanol		ug/l	-	ND (<2000)	ND (<500)	ND (<100)	-	-
Ethyl tert-Butyl Ether (ETBE)		ug/l	-	ND (<40)	ND (<10)	ND (<2.0)	ND (<0.50)	-
Ethylbenzene	300	ug/l	**0.22 J**	ND (<20)	ND (<5.0)	**0.56 J**	**0.85**	**0.72**
Freon 11 (Trichlorofluoromethane)	150	ug/l	ND (<10)	ND (<200)	ND (<50)	ND (<10)	ND (<0.50)	ND (<0.20)
Hexachloro-1,3-Butadiene		ug/l	-	-	-	-	ND (<0.50)	-
2-Hexanone		ug/l	ND (<10)	ND (<200)	ND (<50)	ND (<10)	ND (<5.0)	-
Isopropylbenzene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
p-Isopropyltoluene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Methyl Tert-butyl ether (MTBE)	13	ug/l	**3.1**	ND (<20)	**4.5 J**	**4.1**	**16**	**3.3**
4-Methyl-2-Pentanone		ug/l	ND (<10)	ND (<200)	ND (<50)	ND (<10)	ND (<5.0)	-
Methylene Chloride	5	ug/l	ND (<10)	ND (<200)	ND (<50)	ND (<10)	ND (<2.0)	-
Naphthalene		ug/l	ND (<10)	ND (<200)	ND (<50)	ND (<10)	**0.60 J**	-
n-Propylbenzene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Styrene	100	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,1,1,2-Tetrachloroethane		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
1,1,2,2-Tetrachloroethane	1	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
Tetrachloroethene	5	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
Toluene	150	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	**0.28 J**	ND (<0.50)	**0.75**
1,1,2-Trichloro-1,2,2-Trifluoroethane	1200	ug/l	ND (<10)	ND (<200)	ND (<50)	ND (<10)	-	ND (<0.20)
1,2,3-Trichlorobenzene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<1.0)	-
1,2,4-Trichlorobenzene	5	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<0.20)
1,1,1-Trichloroethane	200	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,1,2-Trichloroethane	5	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
Trichloroethene	5	ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.20)
1,2,3-Trichloropropane		ug/l	ND (<5.0)	ND (<100)	ND (<25)	ND (<5.0)	ND (<1.0)	-
1,2,4-Trimethylbenzene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
1,3,5-Trimethylbenzene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Vinyl Acetate		ug/l	ND (<10)	ND (<200)	ND (<50)	ND (<10)	-	-
Vinyl Chloride	0.5	ug/l	ND (<0.50)	ND (<10)	ND (<2.5)	ND (<0.50)	ND (<0.50)	ND (<0.20)
m,p-Xylene		ug/l	**0.36 J**	ND (<20)	**1.3 J**	**0.65 J**	ND (<1.0)	-
o-Xylene		ug/l	ND (<1.0)	ND (<20)	ND (<5.0)	ND (<1.0)	ND (<0.50)	-
Xylenes (Total)	1750	ug/l	-	-	-	-	ND (<1.0)	-

Appendix P

Technical Memorandum:
Conversion of Survey Data From NGVD 29 to NAVD 88

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Date: December 28, 2017

TECHNICAL MEMORANDUM
CONVERSION OF SURVEY DATA FROM NGVD 29 TO NAVD 88
MONTROSE CHEMICAL AND DEL AMO SUPERFUND SITES
DUAL SITE GROUNDWATER OPERABLE UNIT

INTRODUCTION

This technical memorandum, submitted on behalf of Montrose Chemical Corporation of California and Shell Oil Company, presents survey data for the Montrose Chemical and Del Amo Superfund Sites, Dual Site Groundwater Operable Unit (Dual Site) that have been converted from the National Geodetic Vertical Datum of 1929 (NGVD 29) to the North American Vertical Datum of 1988 (NAVD 88). The conversion was completed to provide an updated and unified coordinate system for Dual Site data as requested by the US Environmental Protection Agency in an email dated September 1, 2017.

SCOPE OF WORK AND RESULTS

The data conversion, undertaken in October, 2017, included 237 Montrose- and Del Amo-owned groundwater wells. Conversion was performed using United States Army Corps of Engineers, Army Geospatial Center, Corpscon software, Version 6.0. The software is described on the Corpscon website (http://www.agc.army.mil/Missions/Corpscon.aspx) as follows:

> Corpscon Version 6.0, is a MS-Windows-based program which allows the user to convert coordinates between Geographic, State Plane, Universal Transverse Mercator (UTM) and US National Grid systems on the North American Datum of 1927 (NAD 27), the North American Datum of 1983 (NAD 83) and High Accuracy Reference Networks (HARNs). Corpscon uses the National Geodetic Survey (NGS) program Nadcon to convert between NAD 27, NAD 83 and HARNs. Corpscon, Version 6.0, performs vertical conversions to and from the National Geodetic Vertical Datum of 1929 (NGVD 29) and the North American Vertical Datum of 1988 (NAVD 88). Vertical conversions are based on the NGS program Vertcon and can be performed for the continental U.S. only.

Wells for which a conversion was performed are listed in Table 1 along with their respective pre- and post-conversion survey data. The conversion correction value varied slightly based on well location, ranging from 2.372 to 2.497. The converted survey data have now been incorporated into the Montrose and Del Amo databases and Dual Site elevation data will be reported in the NAVD 88 format in future MACRs and other documents. Wells where NAVD 88 data were already available were not converted, and are not included in Table 1.

Table 1

SUMMARY OF NGVD 29 TO NAVD 88 CONVERSIONS

Technical Memorandum, Conversion of Survey Data From NGVD 29 to NAVD 88

Montrose Chemical and Del Amo Superfund Sites

Dual Site Groundwater Operable Unit

Well ID	Well Owner	Easting	Northing	Conversion Correction Value	Measuring Point	
					NGVD 29	NAVD 88
G-01WC	Del Amo	6473073.336	1766324.961	2.464	26.75	29.21
G-02WC	Del Amo	6472414.162	1765677.097	2.464	34.16	36.62
GW-07A	Del Amo	6475264.402	1766404.137	2.470	25.68	28.15
GW-07C	Del Amo	6475258.873	1766395.654	2.470	25.56	28.03
MW-01HD	Del Amo	6474174.023	1766819.360	2.464	30.97	33.43
MW-02HD	Del Amo	6474270.017	1766816.043	2.464	30.60	33.06
MW-03HD	Del Amo	6474259.308	1766722.972	2.467	29.79	32.26
MW-04HD	Del Amo	6474164.553	1766677.382	2.464	30.41	32.87
PZL0001	Del Amo	6474812.484	1766647.243	2.467	24.40	26.87
PZL0002	Del Amo	6473299.734	1770675.477	2.454	36.76	39.21
PZL0003	Del Amo	6471517.449	1770885.871	2.451	42.31	44.76
PZL0004	Del Amo	6473353.074	1767874.433	2.457	32.24	34.70
PZL0005	Del Amo	6474789.922	1769199.472	2.461	23.16	25.62
PZL0006	Del Amo	6472738.170	1768396.194	2.454	34.55	37.00
PZL0007	Del Amo	6474785.735	1767933.409	2.464	19.24	21.70
PZL0008	Del Amo	6473195.927	1769525.751	2.457	34.00	36.46
PZL0009	Del Amo	6472296.521	1768810.676	2.454	40.82	43.27
PZL0010	Del Amo	6473318.736	1768861.306	2.457	34.84	37.30
PZL0011	Del Amo	6474432.840	1767667.557	2.464	23.72	26.18
PZL0012	Del Amo	6474123.602	1767297.555	2.464	29.58	32.04
PZL0013	Del Amo	6474133.174	1766865.497	2.464	31.94	34.40
PZL0014	Del Amo	6472077.954	1769549.442	2.451	35.38	37.83
PZL0015	Del Amo	6472103.924	1769842.374	2.451	37.81	40.26
PZL0016	Del Amo	6471505.807	1768908.292	2.451	37.26	39.71
PZL0017	Del Amo	6472447.964	1770454.275	2.454	39.43	41.88
PZL0018	Del Amo	6472903.341	1766933.560	2.461	34.30	36.76
PZL0019	Del Amo	6472188.908	1766812.910	2.457	38.27	40.73
PZL0020	Del Amo	6472348.481	1766681.376	2.457	36.87	39.33
PZL0022	Del Amo	6473048.331	1766626.062	2.461	34.47	36.93
PZL0024	Del Amo	6472818.422	1766626.821	2.461	33.95	36.41
PZL0025	Del Amo	6472096.121	1766636.806	2.457	35.80	38.26
PZL0026	Del Amo	6474446.562	1766978.470	2.464	28.67	31.13
SWL0001	Del Amo	6471665.176	1768412.936	2.451	40.63	43.08
SWL0002	Del Amo	6471585.143	1768404.000	2.451	39.92	42.37
SWL0003	Del Amo	6471608.564	1768530.930	2.451	41.17	43.62
SWL0004	Del Amo	6471694.346	1768373.137	2.451	41.87	44.32
SWL0005	Del Amo	6473389.016	1766525.932	2.464	29.23	31.69
SWL0006	Del Amo	6472438.642	1766124.044	2.461	26.35	28.81
SWL0007	Del Amo	6471523.036	1769884.294	2.451	41.42	43.87
SWL0008	Del Amo	6472338.100	1766566.403	2.457	32.36	34.82
SWL0009	Del Amo	6475377.131	1767137.410	2.467	22.53	25.00
SWL0010	Del Amo	6475377.158	1767145.410	2.467	22.72	25.19
SWL0011	Del Amo	6473573.454	1766958.350	2.461	32.00	34.46
SWL0012	Del Amo	6473377.204	1769758.067	2.457	34.77	37.23
SWL0013	Del Amo	6473586.458	1766959.307	2.461	32.29	34.75

Table 1

SUMMARY OF NGVD 29 TO NAVD 88 CONVERSIONS

Technical Memorandum, Conversion of Survey Data From NGVD 29 to NAVD 88

Montrose Chemical and Del Amo Superfund Sites

Dual Site Groundwater Operable Unit

Well ID	Well Owner	Easting	Northing	Conversion Correction Value	Measuring Point	
					NGVD 29	NAVD 88
SWL0014	Del Amo	6473922.130	1765948.137	2.467	23.28	25.75
SWL0015	Del Amo	6474546.209	1765963.079	2.470	23.98	26.45
SWL0016	Del Amo	6473034.746	1767810.079	2.457	33.21	35.67
SWL0017	Del Amo	6473077.628	1768832.100	2.457	36.54	39.00
SWL0018	Del Amo	6472889.453	1766967.608	2.461	34.31	36.77
SWL0019	Del Amo	6474533.196	1765959.122	2.470	23.96	26.43
SWL0020	Del Amo	6474518.175	1765953.171	2.470	23.97	26.44
SWL0021	Del Amo	6474228.310	1766179.541	2.467	28.52	30.99
SWL0022	Del Amo	6473599.459	1766959.264	2.461	32.42	34.88
SWL0023	Del Amo	6474497.046	1766519.275	2.467	27.74	30.21
SWL0024	Del Amo	6474511.040	1766517.229	2.467	27.70	30.17
SWL0025	Del Amo	6475377.191	1767155.411	2.467	22.58	25.05
SWL0026	Del Amo	6473734.568	1765085.203	2.470	22.47	24.94
SWL0027	Del Amo	6473729.836	1765075.718	2.470	22.07	24.54
SWL0028	Del Amo	6473742.840	1765076.675	2.470	22.22	24.69
SWL0031	Del Amo	6471442.178	1768960.905	2.451	42.43	44.88
SWL0032	Del Amo	6471747.086	1768384.464	2.451	41.83	44.28
SWL0033	Del Amo	6472042.130	1766277.362	2.457	35.88	38.34
SWL0034	Del Amo	6472041.176	1766291.366	2.457	35.49	37.95
SWL0035	Del Amo	6473054.517	1767801.214	2.457	32.30	34.76
SWL0036	Del Amo	6473037.578	1767789.369	2.457	32.63	35.09
SWL0037	Del Amo	6473046.363	1767815.141	2.457	32.99	35.45
SWL0038	Del Amo	6471799.980	1769863.378	2.451	38.81	41.26
SWL0039	Del Amo	6472368.082	1769886.504	2.454	37.39	39.84
SWL0040	Del Amo	6473036.434	1766627.102	2.461	34.00	36.46
SWL0041	Del Amo	6473061.328	1766625.020	2.461	34.07	36.53
SWL0042	Del Amo	6474699.905	1765566.548	2.470	24.52	26.99
SWL0043	Del Amo	6473894.109	1765942.229	2.467	21.59	24.06
SWL0044	Del Amo	6472744.110	1766866.081	2.461	37.83	40.29
SWL0045	Del Amo	6472874.800	1770398.863	2.454	40.22	42.67
SWL0046	Del Amo	6474119.907	1767994.610	2.461	28.98	31.44
SWL0047	Del Amo	6472355.294	1768136.442	2.454	36.33	38.78
SWL0048	Del Amo	6472582.972	1767340.542	2.457	36.29	38.75
SWL0049	Del Amo	6470999.201	1766313.807	2.454	32.50	34.95
SWL0050	Del Amo	6472483.333	1766634.928	2.461	37.58	40.04
SWL0051	Del Amo	6472472.294	1766320.945	2.461	26.21	28.67
SWL0052	Del Amo	6473455.095	1766246.697	2.464	22.87	25.33
SWL0053	Del Amo	6473455.056	1766234.696	2.464	22.57	25.03
SWL0054	Del Amo	6471852.254	1767829.083	2.454	40.03	42.48
SWL0055	Del Amo	6472496.337	1766635.885	2.461	37.31	39.77
SWL0056	Del Amo	6473090.411	1765591.460	2.464	28.73	31.19
SWL0057	Del Amo	6473090.956	1765604.859	2.464	28.35	30.81
SWL0058	Del Amo	6472006.440	1767036.826	2.457	40.67	43.13
SWL0059	Del Amo	6471569.957	1769194.397	2.451	42.34	44.79
SWL0060	Del Amo	6474740.988	1767194.012	2.467	24.95	27.42

Table 1

SUMMARY OF NGVD 29 TO NAVD 88 CONVERSIONS

Technical Memorandum, Conversion of Survey Data From NGVD 29 to NAVD 88

Montrose Chemical and Del Amo Superfund Sites

Dual Site Groundwater Operable Unit

Well ID	Well Owner	Easting	Northing	Conversion Correction Value	Measuring Point	
					NGVD 29	NAVD 88
SWL0061	Del Amo	6471539.332	1768416.442	2.451	40.64	43.09
SWL0063	Del Amo	6472309.211	1767683.283	2.454	38.68	41.13
SWL0064	Del Amo	6471514.936	1767756.984	2.451	39.67	42.12
SWL0065	Del Amo	6472234.264	1767778.943	2.454	36.65	39.10
SWL0066	Del Amo	6471832.983	1767826.127	2.454	40.29	42.74
SWL0067	Del Amo	6471504.855	1768621.243	2.451	38.36	40.81
SWL0068	Del Amo	6474527.505	1767504.335	2.464	25.40	27.86
XP-02	Del Amo	6472662.095	1766983.659	2.457	35.36	37.82
XP-03	Del Amo	6473382.015	1766525.955	2.464	29.32	31.78
BF-02	Montrose	6470194.991	1767168.514	2.448	49.50	51.95
BF-03	Montrose	6470477.017	1767474.602	2.448	48.27	50.72
BF-04	Montrose	6470494.141	1767209.529	2.451	47.64	50.09
BF-05	Montrose	6471297.580	1767330.884	2.451	39.37	41.82
BF-06	Montrose	6471204.174	1766907.167	2.454	41.70	44.15
BF-07	Montrose	6470946.241	1766629.001	2.454	42.59	45.04
BF-08	Montrose	6470393.082	1766588.825	2.451	39.79	42.24
BF-09	Montrose	6470241.892	1767440.376	2.448	48.69	51.14
BF-10	Montrose	6473090.813	1765561.857	2.464	28.67	31.13
BF-11	Montrose	6472386.010	1763515.055	2.470	33.66	36.13
BF-12	Montrose	6473357.998	1764101.884	2.470	22.20	24.67
BF-13	Montrose	6473187.180	1766578.601	2.461	29.52	31.98
BF-14	Montrose	6472054.430	1765763.290	2.461	36.30	38.76
BF-15	Montrose	6471440.998	1765641.307	2.457	22.82	25.28
BF-16	Montrose	6471860.809	1763461.786	2.467	35.31	37.78
BF-17	Montrose	6473002.039	1763817.041	2.470	22.67	25.14
BF-18	Montrose	6469851.466	1768223.712	2.444	50.44	52.88
BF-19	Montrose	6471330.949	1768046.817	2.451	40.44	42.89
BF-21	Montrose	6470681.128	1764784.762	2.457	39.67	42.13
BF-22	Montrose	6471470.139	1763265.063	2.467	34.29	36.76
BF-23	Montrose	6472439.585	1766107.040	2.461	25.93	28.39
BF-24	Montrose	6472165.234	1764492.845	2.464	31.18	33.64
BF-25	Montrose	6473358.282	1762675.794	2.477	23.70	26.18
BF-26	Montrose	6473650.682	1762187.798	2.480	35.48	37.96
BF-27	Montrose	6473093.681	1762195.636	2.477	24.18	26.66
BF-28	Montrose	6474076.947	1762866.434	2.480	33.84	36.32
BF-29	Montrose	6470038.387	1764267.852	2.457	39.62	42.08
BF-30	Montrose	6470961.823	1762874.716	2.467	24.58	27.05
BF-31	Montrose	6469369.847	1763812.031	2.454	37.55	40.00
BF-32A	Montrose	6468400.000	1765704.000	2.444	50.81	53.25
BF-33	Montrose	6468187.258	1763046.889	2.451	35.98	38.43
BF-35	Montrose	6470273.000	1768012.000	2.448	50.34	52.79
BF-36	Montrose	6475580.000	1762458.000	2.487	34.65	37.14
BF-EW-1	Montrose	6470901.720	1766650.000	2.454	36.14	38.59
BF-EW-2	Montrose	6472152.800	1764201.280	2.467	23.27	25.74
BF-EW-3	Montrose	6471337.250	1764981.870	2.461	19.12	21.58

Table 1

SUMMARY OF NGVD 29 TO NAVD 88 CONVERSIONS

Technical Memorandum, Conversion of Survey Data From NGVD 29 to NAVD 88

Montrose Chemical and Del Amo Superfund Sites

Dual Site Groundwater Operable Unit

Well ID	Well Owner	Easting	Northing	Conversion Correction Value	Measuring Point	
					NGVD 29	NAVD 88
BF-EW-4	Montrose	6472464.820	1763305.650	2.470	28.42	30.89
BF-EW-5	Montrose	6470443.110	1767019.170	2.451	38.24	40.69
BF-IW-1	Montrose	6468136.000	1767145.000	2.438	55.13	57.57
BF-IW-2	Montrose	6473751.000	1765087.000	2.470	21.43	23.90
BF-OW-3	Montrose	6472153.000	1764310.000	2.467	29.32	31.79
BF-OW-4	Montrose	6470639.000	1764290.000	2.461	41.20	43.66
EWB001	Montrose	6470379.718	1769603.186	2.444	46.69	49.14
EWC002	Montrose	6470267.000	1768368.000	2.444	49.31	51.76
G-01	Montrose	6470099.688	1767682.860	2.448	46.66	49.11
G-02	Montrose	6470673.747	1767087.929	2.451	43.26	45.71
G-03	Montrose	6470157.989	1767168.636	2.448	49.70	52.15
G-04	Montrose	6471310.583	1767331.841	2.451	39.70	42.15
G-05	Montrose	6471186.170	1766906.226	2.454	41.71	44.16
G-06	Montrose	6470964.242	1766628.942	2.454	42.53	44.98
G-08	Montrose	6471450.998	1765641.274	2.457	22.52	24.98
G-09	Montrose	6473090.860	1765575.858	2.464	28.58	31.04
G-12	Montrose	6472427.704	1766143.081	2.461	25.85	28.31
G-13	Montrose	6472054.510	1765787.291	2.461	36.09	38.55
G-14	Montrose	6471292.928	1768040.942	2.451	40.62	43.07
G-15	Montrose	6469946.000	1766709.000	2.448	48.71	51.16
G-16	Montrose	6471049.940	1765629.597	2.457	37.10	39.56
G-17	Montrose	6472314.277	1766922.503	2.457	35.99	38.45
G-18	Montrose	6473238.421	1764836.325	2.467	21.70	24.17
G-19A	Montrose	6472417.000	1764936.000	2.464	35.23	37.69
G-21	Montrose	6470519.000	1768012.000	2.448	47.67	50.12
G-22	Montrose	6473268.000	1763886.000	2.474	24.22	26.69
G-23	Montrose	6472398.000	1763657.000	2.470	34.83	37.30
G-24	Montrose	6470681.000	1764757.000	2.457	40.40	42.86
G-25	Montrose	6469340.000	1765603.000	2.448	46.06	48.51
G-26	Montrose	6470301.000	1763544.000	2.461	35.72	38.18
G-27	Montrose	6471795.000	1762885.000	2.470	24.52	26.99
G-28	Montrose	6473638.000	1762189.000	2.480	35.54	38.02
G-29	Montrose	6474905.000	1762931.000	2.484	35.42	37.90
G-30	Montrose	6468585.000	1763761.000	2.451	44.96	47.41
G-31	Montrose	6476041.000	1760760.000	2.497	36.60	39.10
G-32	Montrose	6476388.000	1762108.000	2.493	32.68	35.17
G-33	Montrose	6468401.000	1765698.000	2.444	50.14	52.58
G-34	Montrose	6473574.000	1760638.000	2.487	39.44	41.93
G-35	Montrose	6473727.900	1763463.000	2.477	32.07	34.55
G-EW-1	Montrose	6470895.000	1766669.000	2.454	35.89	38.34
G-EW-2	Montrose	6473281.000	1763875.000	2.474	19.42	21.89
G-EW-3	Montrose	6470596.000	1764290.000	2.461	36.30	38.76
G-EW-4	Montrose	6472157.260	1765619.650	2.461	33.19	35.65
G-EW-5	Montrose	6472165.148	1764470.293	2.464	32.37	34.83
G-IW-1	Montrose	6468136.000	1767186.000	2.438	49.80	52.24

Table 1

SUMMARY OF NGVD 29 TO NAVD 88 CONVERSIONS

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Montrose Chemical and Del Amo Superfund Sites

Dual Site Groundwater Operable Unit

Well ID	Well Owner	Easting	Northing	Conversion Correction Value	Measuring Point	
					NGVD 29	NAVD 88
G-IW-2	Montrose	6473365.000	1766760.000	2.461	28.18	30.64
G-IW-3	Montrose	6468014.770	1767693.650	2.434	46.76	49.19
G-IW-4	Montrose	6473296.550	1766816.890	2.461	28.60	31.06
G-IW-5	Montrose	6473398.450	1766643.270	2.464	27.24	29.70
G-IW-6	Montrose	6473197.181	1766578.568	2.461	25.17	27.63
G-IW-7	Montrose	6468137.540	1767503.520	2.438	49.61	52.05
G-OW-3	Montrose	6472153.000	1764310.000	2.467	29.32	31.79
G-OW-4	Montrose	6470639.000	1764290.000	2.461	41.20	43.66
GW-07B	Montrose	6475269.674	1766395.719	2.470	25.47	27.94
GW-07D	Montrose	6475259.627	1766381.751	2.470	25.44	27.91
IWC002	Montrose	6470239.000	1768669.000	2.444	49.11	51.56
LBF-OW-2	Montrose	6470924.000	1766656.000	2.454	41.80	44.25
LBF-OW-3	Montrose	6472153.000	1764310.000	2.467	29.34	31.81
LG-01	Montrose	6470673.578	1767036.926	2.451	43.26	45.71
LG-02	Montrose	6470381.494	1767317.907	2.448	44.61	47.06
LW-01	Montrose	6470378.000	1767335.000	2.448	45.02	47.47
LW-02	Montrose	6471244.208	1766917.035	2.454	42.07	44.52
LW-03	Montrose	6471311.926	1768039.880	2.451	40.33	42.78
LW-04	Montrose	6470873.219	1766623.242	2.454	42.64	45.09
LW-05	Montrose	6470127.706	1767687.768	2.448	46.25	48.70
LW-06	Montrose	6470682.000	1767580.000	2.451	46.57	49.02
LW-07	Montrose	6470176.000	1767188.000	2.448	48.68	51.13
MBFB-EW-1	Montrose	6470927.140	1766640.490	2.454	37.75	40.20
MW-01	Montrose	6470666.000	1767001.000	2.451	42.77	45.22
MW-02	Montrose	6470208.772	1767404.483	2.448	48.73	51.18
MW-04	Montrose	6470117.659	1767673.800	2.448	46.69	49.14
MW-05	Montrose	6470682.444	1767600.931	2.448	46.57	49.02
MW-06	Montrose	6470194.121	1766905.501	2.448	45.68	48.13
MW-09	Montrose	6470361.531	1767934.011	2.448	50.47	52.92
MW-10	Montrose	6470936.916	1768042.118	2.448	43.20	45.65
MW-11	Montrose	6470888.525	1767320.234	2.451	42.69	45.14
MW-12	Montrose	6471288.540	1767318.913	2.451	40.17	42.62
MW-13	Montrose	6471218.177	1766908.120	2.454	42.34	44.79
MW-14	Montrose	6470929.241	1766629.057	2.454	43.12	45.57
MW-16	Montrose	6469760.601	1765847.867	2.451	41.31	43.76
MW-19	Montrose	6470660.507	1768527.060	2.448	46.65	49.10
MW-20	Montrose	6471636.000	1768459.000	2.451	43.18	45.63
MW-21	Montrose	6471985.000	1767907.000	2.454	36.56	39.01
MW-22	Montrose	6470229.784	1765594.303	2.454	41.85	44.30
MW-23	Montrose	6472078.497	1765783.212	2.461	36.35	38.81
MW-24	Montrose	6471429.997	1765641.343	2.457	22.40	24.86
MW-25	Montrose	6471681.360	1764840.464	2.461	31.98	34.44
MW-26	Montrose	6470879.845	1765603.157	2.457	39.17	41.63
MW-27	Montrose	6471344.000	1768047.000	2.451	40.50	42.95
MW-28	Montrose	6471854.000	1767659.000	2.454	39.82	42.27

Table 1

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Montrose Chemical and Del Amo Superfund Sites

Dual Site Groundwater Operable Unit

Well ID	Well Owner	Easting	Northing	Conversion Correction Value	Measuring Point	
					NGVD 29	NAVD 88
MW-29	Montrose	6471830.253	1766922.101	2.454	39.14	41.59
MW-30	Montrose	6471695.078	1766266.507	2.457	37.59	40.05
UBA-EW-1	Montrose	6470466.320	1767031.530	2.451	38.07	40.52
UBA-EW-3	Montrose	6470864.340	1766342.280	2.454	33.93	36.38
UBE-01	Montrose	6470255.000	1767467.000	2.448	49.35	51.80
UBE-02	Montrose	6470398.000	1767535.000	2.448	45.78	48.23
UBE-03	Montrose	6470373.000	1767304.000	2.448	44.86	47.31
UBE-04	Montrose	6470371.000	1767629.000	2.448	46.56	49.01
UBE-05	Montrose	6470514.000	1767347.000	2.451	47.42	49.87
UBT-01	Montrose	6470232.000	1767444.000	2.448	49.05	51.50
UBT-02	Montrose	6470246.000	1767437.000	2.448	49.19	51.64
UBT-03	Montrose	6470262.000	1767473.000	2.448	49.31	51.76

Appendix Q

Hydrogeologic Data

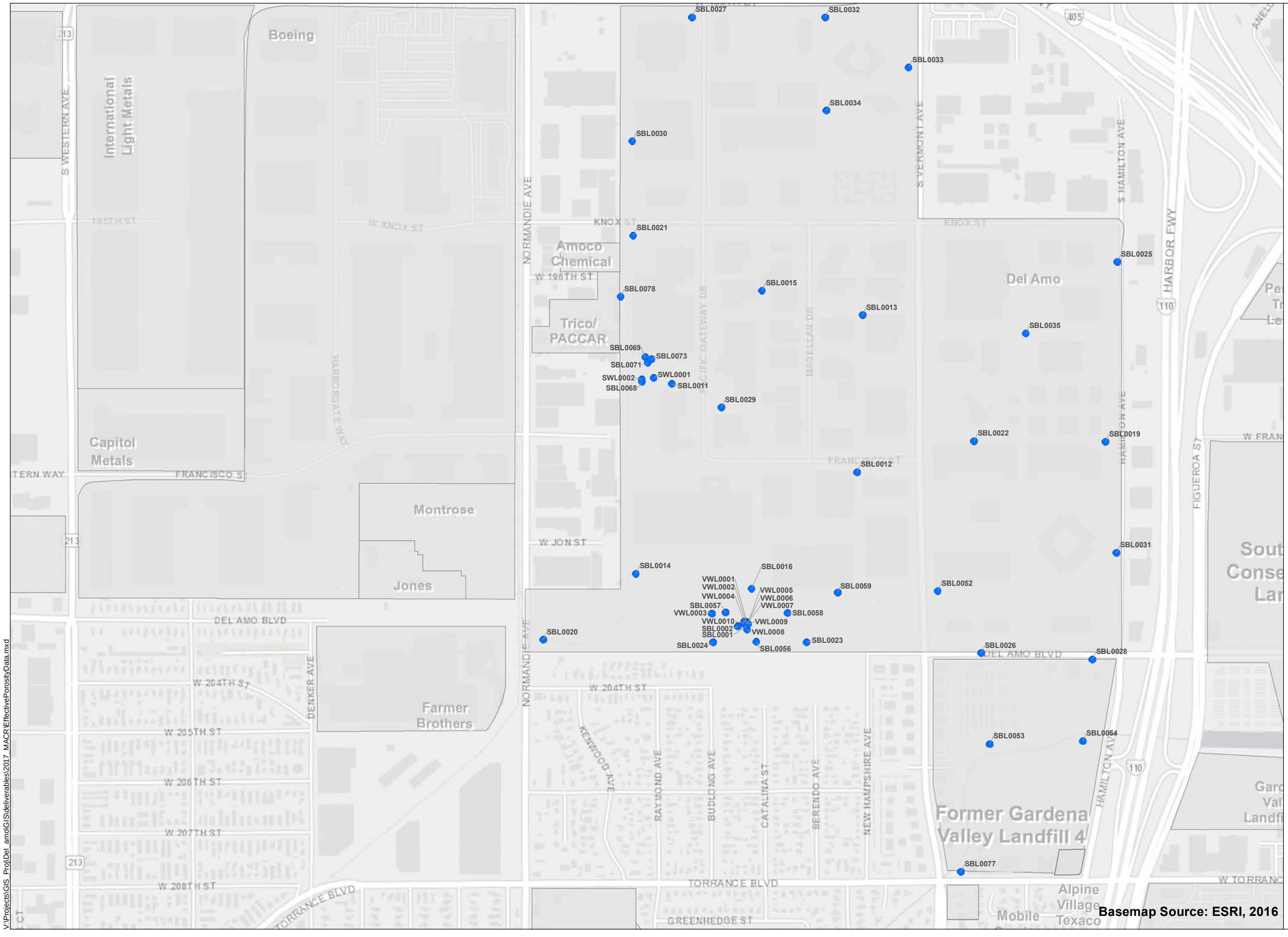
Figure Q-1

Effective Porosity Data

Dual Site Groundwater Operable Unit
Los Angeles, California

2017 Baseline MACR

Soil Boring with effective porosity data



N

0 300 600 Feet

1 inch = 600 feet

Basemap Source: ESRI, 2016

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Table Q-1
Summary of Hydrogeologic Properties
Montrose Chemical and Del Amo Superfund Sites
Dual Site Groundwater Operable Unit
2017 Baseline MACR

Boring/Well Location	HSU	Transmissivity (ft^2/minute)	Hydraulic Conductivity, K (feet/day)
SWL0005	Water Table/UBF	0.02	1.6
SWL0006	Water Table/UBF	0.025	1.7
SWL0009	Water Table/UBF	0.004	0.2
SWL0012	Water Table/UBF	0.059	5.2
SWL0016	Water Table/UBF	0.046	4.9
SWL0017	Water Table/UBF	0.016	1.4
SWL0021	Water Table/UBF	0.02	1.8
SWL0039	Water Table/UBF	0.13	10
SWL0042	Water Table/UBF	0.02	1.8
SWL0044	Water Table/UBF	0.001	0.1
SWL0046	Water Table/UBF	0.023	2.9
SWL0057	Water Table/UBF	0.053	4.7
Mean			**3.0**
As reported in CH2M Model	*Water Table/UBF*		*20*
SWL0011	Merged MBFB/MBFC	0.77	18
SWL0023	Merged MBFB/MBFC	0.96	21
SWL0037	Merged MBFB/MBFC	0.5	12
SWL0047	Merged MBFB/MBFC	0.35	9
SWL0049	Water Table/MBFB	0.42	50
XMW-28	Water Table/MBFB	0.011	10
Mean			**20**
As reported in CH2M Model	*MBFB*		*20*
As reported in CH2M Model	*MBFM*		*0.1*
SWL0014	Merged MBFB/MBFC	1.1	27
XBF-5	MBFC	5.5	400
XBF-7	MBFC	1.3	190
XBF-9	MBFC	3.5	260
XBF-11	Merged MBFB/MBFC	2.8	62
XBF-13	Merged MBFB/MBFC	1.3	32
XBF-15	Merged MBFB/MBFC	5	170
Mean			**163**
As reported in CH2M Model	*MBFC*		*10-150*
As reported in CH2M Model	*LBF*		*0.0008 to 0.27*
XDA-1B	Gage	0.98	23
XG-5	Gage	1.5	35
XG-11	Gage	1.3	31
XG-13	Gage	0.92	36
Mean			**31.25**
As reported in CH2M Model	*Gage*		*16-20*
As reported in CH2M Model	*GLA*		*0.017*
As reported in CH2M Model	*Lynwood*		*113*

Table Q-2
Soil Effective Porosity
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR
Date Created: 12/7/2017

Boring ID	Sample Date	HSU	Sample Depth	Effective Porosity	
				Horizontal	Vertical
				%vb	%vb
SBL0001	9/9/92	--	15.8	7.94	1.07
	9/9/92	--	20.3	7.23	0.36
SBL0002	9/10/92	--	21.0	4.81	12.97
	9/10/92	--	26.0	10.60	10.90
	9/10/92	--	26.3	10.60	16.00
SBL0011	10/13/92	MBFM	69.5	7.09	3.47
SBL0012	11/17/92	UBF	30.0	26.80	25.10
	11/18/92	LBF	133.0	22.90	26.40
	11/18/92	LBF	142.5	11.00	9.30
SBL0013	11/17/92	UBF	31.5	25.40	25.70
	11/18/92	UBF	72.0	13.10	18.30
	11/19/92	Merged MBFB/MBFC	115.5	24.80	15.20
	11/19/92	LBF	171.5	10.40	11.70
SBL0014	11/19/92	UBF	34.0	6.30	5.70
	11/20/92	MBFC	119.0	17.70	12.10
	11/20/92	LBF	135.0	13.50	5.70
SBL0015	11/23/92	UBF	34.0	6.70	8.60
	11/23/92	MBFB	77.0	12.80	15.30
	11/23/92	MBFC	110.0	17.30	15.90
	11/24/92	MBFC	145.0	14.90	13.80
SBL0016	11/23/92	UBF	45.0	11.60	13.50
	11/24/92	Merged MBFB/MBFC	110.0	11.80	12.10
	11/24/92	Merged MBFB/MBFC	134.0	10.20	12.30
SBL0019	11/30/92	UBF	48.5	8.20	6.39
	12/1/92	Merged MBFB/MBFC	122.7	10.24	12.49
	12/1/92	LBF	128.0	7.76	7.27
	12/1/92	LBF	159.6	10.26	4.89
	12/2/92	LBF	168.5	18.73	14.46
SBL0020	12/1/92	UBF	42.0	16.55	15.14
	12/1/92	UBF	48.5	5.57	5.61
	12/1/92	UBF	52.0	21.69	12.52
	12/2/92	MBFM	79.5	7.39	6.54
	12/2/92	MBFM	81.0	6.63	6.30
	12/2/92	MBFC	111.0	15.60	15.90
	12/2/92	LBF	140.5	7.31	5.17
	12/2/92	LBF	143.0	14.60	11.90
SBL0021	12/4/92	MBFM	97.0	6.48	7.08
	12/4/92	MBFC	104.0	10.10	FAIL
	12/4/92	LBF	137.5	6.25	5.09
	12/7/92	GAGE	197.5	12.10	11.70
	12/8/92	GLA	235.0	14.30	8.35

Table Q-2
Soil Effective Porosity
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR
Date Created: 12/7/2017

Boring ID	Sample Date	HSU	Sample Depth	Effective Porosity	
				Horizontal	Vertical
				%vb	%vb
SBL0022	12/4/92	UBF	35.0	28.40	33.20
	12/4/92	UBF	63.0	8.90	6.47
	12/7/92	Merged MBFB/MBFC	89.0	17.80	11.40
	12/7/92	LBF	152.0	20.40	14.50
	12/8/92	GAGE	200.0	12.10	17.20
SBL0023	12/10/92	UBF	47.0	9.98	14.60
	12/10/92	Merged MBFB/MBFC	81.0	28.90	28.30
	12/10/92	Merged MBFB/MBFC	125.0	22.80	16.90
SBL0024	12/9/92	UBF	41.0	7.89	8.63
	12/9/92	Merged MBFB/MBFC	111.0	7.16	8.11
	12/9/92	LBF	144.0	8.98	9.33
SBL0025	12/14/92	UBF	29.0	33.20	24.50
	12/14/92	Merged MBFB/MBFC	90.0	6.80	7.41
	12/15/92	Merged MBFB/MBFC	130.0	16.00	9.21
	12/15/92	LBF	150.0	24.80	16.50
SBL0026	12/15/92	UBF	35.0	13.50	10.90
	12/16/92	UBF	71.0	16.30	18.40
	12/16/92	Merged MBFB/MBFC	140.0	9.52	17.70
	12/17/92	LBF	160.0	10.60	3.50
SBL0027	12/16/92	UBF	25.0	24.60	15.80
	12/16/92	UBF	50.0	5.74	6.46
	12/18/92	MBFC	151.0	26.20	28.10
	12/18/92	LBF	158.0	9.46	10.40
	12/18/92	GAGE	186.0	18.40	29.20
SBL0028	12/18/92	UBF	38.0	14.70	4.82
	12/18/92	UBF	72.0	16.30	20.50
	12/18/92	Merged MBFB/MBFC	121.0	15.80	8.82
	12/22/92	Merged MBFB/MBFC	155.5	9.04	8.54
SBL0029	12/22/92	UBF	46.0	12.60	19.10
	12/23/92	Merged MBFB/MBFC	80.0	23.60	15.40
	1/4/93	Merged MBFB/MBFC	129.0	10.60	7.95
	1/4/93	LBF	145.5	8.64	11.40
SBL0030	1/4/93	UBF	40.0	26.90	28.70
	1/4/93	MBFB	90.0	2.81	11.60
	1/5/93	MBFC	123.0	FAIL	6.38
	1/5/93	MBFC	132.0	5.96	6.66
SBL0031	1/6/93	UBF	46.0	6.71	5.45
	1/6/93	UBF	71.0	8.35	7.22
	1/7/93	Merged MBFB/MBFC	105.0	7.49	14.50
	1/7/93	LBF	150.0	6.50	6.04

Table Q-2
Soil Effective Porosity
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR
Date Created: 12/7/2017

Boring ID	Sample Date	HSU	Sample Depth	Effective Porosity	
				Horizontal	Vertical
				%vb	%vb
SBL0032	1/11/93	UBF	37.0	35.00	14.30
	1/8/93	UBF	52.0	5.42	5.55
	1/11/93	UBF	73.0	13.80	16.40
	1/11/93	MBFB	105.0	9.62	15.50
	1/11/93	MBFC	136.0	6.92	5.38
SBL0033	1/11/93	GLA	81.0	8.04	10.70
	1/12/93	GLA	120.0	19.40	17.20
	1/13/93	GLA	154.0	7.89	8.83
	1/13/93	GLA	172.0	6.30	6.71
	1/14/93	GLA	261.5	12.10	15.00
SBL0034	1/13/93	UBF	39.0	18.00	22.60
	1/14/93	UBF	52.0	15.80	12.60
	1/14/93	MBFB	104.0	8.23	16.60
	1/14/93	LBF	174.0	21.00	23.90
SBL0035	1/18/93	UBF	37.0	33.00	8.99
	1/18/93	UBF	60.0	9.68	10.00
	1/19/93	Merged MBFB/MBFC	97.0	25.60	11.20
	1/19/93	LBF	140.0	6.79	5.58
	1/19/93	LBF	145.0	7.54	9.76
SBL0052	6/19/93	Merged MBFB/MBFC	105.0	35.40	27.90
	6/19/93	Merged MBFB/MBFC	141.5	44.10	41.70
	6/19/93	LBF	170.0	39.90	44.10
SBL0053	7/7/93	UBF	59.0	8.03	10.50
	7/7/93	Merged MBFB/MBFC	86.0	16.90	10.60
	7/7/93	Merged MBFB/MBFC	124.0	13.40	13.30
	7/7/93	LBF	146.5	13.80	8.20
	7/7/93	LBF	155.0	9.60	10.10
	7/7/93	GAGE	170.0	7.07	6.87
SBL0054	7/7/93	UBF	78.0	15.30	13.40
	7/7/93	Merged MBFB/MBFC	132.0	12.90	4.40
	7/7/93	LBF	154.0	6.70	14.80
	7/7/93	LBF	175.0	7.17	9.48
	7/8/93	GAGE	187.0	16.90	12.50
SBL0056	7/20/93	--	10.0	25.10	23.10
	7/20/93	--	20.0	15.20	15.30
	7/20/93	--	51.0		33.90
SBL0057	7/21/93	--	10.0	13.50	17.10
	7/21/93	--	20.5	24.70	25.90
	7/21/93	--	58.0		16.40
SBL0058	7/21/93	--	10.0	25.50	22.20
	7/21/93	--	20.0	24.10	11.10
	7/21/93	--	55.0		20.00

Table Q-2
Soil Effective Porosity
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR
Date Created: 12/7/2017

Boring ID	Sample Date	HSU	Sample Depth	Effective Porosity	
				Horizontal	Vertical
				%vb	%vb
SBL0059	7/22/93	UBF	64.0	2.90	18.60
	7/22/93	UBF	69.0	11.90	13.90
	7/22/93	Merged MBFB/MBFC	139.0	29.90	22.00
	7/22/93	LBF	168.0	12.60	8.70
	7/22/93	GAGE	187.0	9.80	13.30
SBL0068	7/28/93	--	7.0	21.50	18.00
	7/28/93	--	20.0	9.70	15.80
	7/28/93	--	25.0	16.20	25.40
	7/28/93	--	55.0	40.50	44.00
SBL0069	7/28/93	--	8.0	18.70	14.90
	7/28/93	--	30.0	36.30	35.40
	7/29/93	--	43.5	29.00	24.40
	7/29/93	--	47.0	17.50	10.00
	7/29/93	--	53.0	42.90	42.10
SBL0071	7/30/93	--	27.0	39.70	37.60
	7/30/93	--	34.0	3.50	6.20
	8/2/93	--	71.0		12.20
SBL0073	8/3/93	--	13.0	23.10	23.70
	8/3/93	--	55.5	39.40	36.70
SBL0077	9/28/93	Merged MBFB/MBFC	130.0	8.91	12.70
	9/28/93	LBF	150.0	3.25	18.30
	9/28/93	GAGE	165.0	13.50	11.10
SBL0078	10/27/93	UBF	63.0	2.65	8.69
	10/28/93	MBFB	84.0	3.54	5.75
	10/28/93	MBFM	97.0	13.30	11.20
	10/28/93	MBFC	112.0	5.54	13.80
	10/28/93	LBF	157.0	3.78	10.40
	10/28/93	GAGE	164.0	5.77	3.26
SWL0001	10/13/92	UBF	72.0	7.67	17.20
SWL0002	10/13/92	UBF	61.0	12.20	12.10
VWL0001	9/15/92	UBF	30.3	22.60	18.10
	9/16/92	UBF	48.3	28.40	27.20
VWL0002	9/16/92	UBF	53.3	32.90	24.50
VWL0003	9/17/92	UBF	30.5	35.40	39.20
	9/17/92	UBF	35.0	26.10	21.90
	9/17/92	UBF	40.0	17.60	20.30
VWL0004	9/17/92	UBF	36.5	23.20	12.80
	9/17/92	UBF	55.0	16.50	11.80
	9/17/92	UBF	55.5	26.50	16.60
VWL0005	9/18/92	UBF	31.0	6.16	18.40
	9/18/92	UBF	37.5	23.10	27.60
VWL0006	9/18/92	UBF	31.5	11.60	3.82
	9/18/92	UBF	37.5	26.40	23.20

Table Q-2
Soil Effective Porosity
Dual Site Groundwater Operable Unit
Los Angeles, California
2017 Baseline MACR
Date Created: 12/7/2017

Boring ID	Sample Date	HSU	Sample Depth	Effective Porosity	
				Horizontal	Vertical
				%vb	%vb
VWL0007	9/21/92	UBF	31.3	34.80	42.40
	9/21/92	UBF	37.3	17.80	18.20
VWL0008	9/21/92	UBF	30.0	21.30	16.40
	9/21/92	UBF	35.0	8.75	7.62
	9/21/92	UBF	40.0	6.03	6.42
VWL0009	9/21/92	UBF	30.3	16.80	23.20
	9/21/92	UBF	37.5	1.77	4.59
VWL0010	9/22/92	UBF	31.3	13.70	5.08
	9/22/92	UBF	37.0	10.20	11.40
	9/22/92	UBF	41.3	6.72	5.16

Note:
-- Boring not included in cross sections

Appendix R

Historical NAPL Thickness

Appendix R
Summary of NAPL Thickness Data
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

ID	HSU [a]	Date	NAPL Thickness
EWL0002	UBF	6/28/96	0.03
		8/20/96	0.01
		9/5/96	0.06
		9/9/96	0.07
		9/10/96	0.07
EWL0003	UBF/MBFB	6/21/96	4.75
		8/20/96	5.87
		9/5/96	3.87
		9/5/96	3.88
		9/5/96	5.85
		9/5/96	5.86
		9/5/96	5.87
		9/6/96	5.9
		9/10/96	6.04
EWL0004	UBF/MBFB	6/28/96	0.85
		8/20/96	0.86
MW-07	Water Table / MBFB	10/12/95	0.19
MW-20	Water Table / MBFB	4/16/90	1.08
		4/22/91	0.78
		9/21/92	8.37
		10/27/92	7.38
		10/28/92	7.29
		10/28/92	7.35
		10/29/92	0.97
		10/29/92	1.01
		10/29/92	1.04
		10/29/92	1.05
		10/29/92	1.07
		10/29/92	1.1
		10/29/92	1.11
		10/29/92	1.12
		10/29/92	1.17
		10/29/92	1.19
		10/29/92	1.23
		10/29/92	1.24
		10/29/92	1.26
		10/29/92	1.32
		10/29/92	1.34
		10/29/92	1.36
		10/29/92	1.37
		10/29/92	1.45
		10/29/92	2.51
		10/29/92	7.91
		10/30/92	1.65
		10/30/92	1.66

Appendix R
Summary of NAPL Thickness Data
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

ID	HSU [a]	Date	NAPL Thickness
MW-20 (cont.)	Water Table / MBFB	10/30/92	1.67
		10/30/92	1.77
		10/31/92	2.09
		11/4/92	2.69
		11/5/92	2.63
		11/6/92	2.83
		11/12/92	3.27
		11/16/92	3.41
		11/16/92	3.42
		11/17/92	0.35
		11/17/92	3.47
		11/18/92	0.49
		11/18/92	0.55
		11/19/92	0.01
		11/19/92	0.69
		11/24/92	0.685
		11/30/92	1.02
		12/1/92	0.96
		12/3/92	1.01
		12/7/92	1.14
		12/10/92	1.34
		12/11/92	1.41
		12/14/92	1.58
		12/15/92	1.41
		12/16/92	1.79
		12/16/92	1.81
		12/17/92	1.56
		12/18/92	1.63
		12/21/92	1.83
		12/22/92	1.95
		12/23/92	1.93
		12/29/92	2.17
		12/30/92	2.32
		1/5/93	2.28
		1/5/93	2.29
		1/6/93	1.92
		1/7/93	2.06
		1/15/93	2.62
		1/28/93	2.71
		2/9/93	3.57
		2/16/93	3.51
		3/3/93	3.62
		3/16/93	3.73
		4/20/93	3.79
		5/18/93	4.21

Appendix R
Summary of NAPL Thickness Data
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

ID	HSU [a]	Date	NAPL Thickness
MW-20 (cont.)	Water Table / MBFB	5/21/93	4.17
		6/24/93	4.28
		7/29/93	4.64
		8/5/93	4.57
		8/12/93	4.5
		8/18/93	4.42
		9/1/93	4.52
		11/9/93	4.61
		11/15/93	4.29
		11/22/93	4.13
		11/29/93	3.96
		12/6/93	3.9
		12/13/93	3.84
		12/20/93	3.86
		12/22/93	3.89
		12/23/93	3.75
		12/28/93	3.75
		12/30/93	3.5
		12/31/93	3.43
		1/4/94	3.35
		1/5/94	3.155
		1/5/94	3.19
		1/6/94	3.45
		1/6/94	3.48
		1/6/94	3.49
		1/7/94	3.54
		1/7/94	3.63
		1/7/94	3.68
		1/10/94	3.39
		1/10/94	3.42
		1/11/94	3.32
		1/11/94	3.36
		1/11/94	3.49
		1/12/94	3.45
		1/12/94	3.49
		1/12/94	3.56
		1/13/94	3.13
		1/13/94	3.2
		1/13/94	3.38
		1/14/94	3.075
		1/14/94	3.08
		1/14/94	3.13
		1/17/94	3.19
		1/17/94	3.29
		1/17/94	3.34

Appendix R
Summary of NAPL Thickness Data
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

ID	HSU [a]	Date	NAPL Thickness
MW-20 (cont.)	Water Table / MBFB	1/18/94	3
		1/18/94	3.03
		1/18/94	3.14
		1/19/94	3.11
		1/19/94	3.12
		1/19/94	3.145
		1/20/94	3.33
		1/20/94	3.37
		1/20/94	3.39
		1/21/94	3.27
		1/21/94	3.37
		1/21/94	3.42
		1/24/94	2.98
		1/24/94	3.11
		1/24/94	3.14
		1/25/94	3.05
		1/25/94	3.09
		1/25/94	3.15
		1/26/94	3.02
		1/26/94	3.03
		1/26/94	3.15
		1/26/94	3.26
		1/26/94	3.27
		1/27/94	2.86
		1/27/94	2.88
		1/27/94	2.95
		1/27/94	2.955
		1/28/94	3.11
		1/28/94	3.16
		1/28/94	3.19
		1/31/94	3.15
		1/31/94	3.23
		1/31/94	3.25
		2/1/94	3.02
		2/1/94	3.16
		2/1/94	3.23
		2/2/94	2.78
		2/2/94	2.82
		2/2/94	2.87
		2/3/94	2.81
		2/3/94	2.82
		2/3/94	2.91
		2/4/94	2.78
		2/4/94	2.82
		2/4/94	2.83

Appendix R
Summary of NAPL Thickness Data
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

ID	HSU [a]	Date	NAPL Thickness
MW-20 (cont.)	Water Table / MBFB	2/10/94	2.76
		2/11/94	2.59
		2/14/94	3.25
		2/15/94	3.17
		2/16/94	2.92
		2/17/94	2.91
		2/23/94	2.25
		2/25/94	2.09
		2/28/94	2.18
		3/1/94	2.21
		3/2/94	2.17
		3/3/94	2.27
		3/4/94	2.15
		3/7/94	2.12
		3/8/94	2.28
		3/15/94	1.94
		3/16/94	1.94
		3/17/94	1.89
		3/18/94	1.88
		3/25/94	1.84
		3/28/94	1.84
		3/29/94	1.86
		4/13/94	1.5
		4/14/94	1.57
		4/22/94	1.38
		5/2/94	0.69
		5/2/94	1.14
		5/24/94	0.7
		5/27/94	0.7
		5/31/94	0.78
		6/13/94	0.55
		6/20/94	0.64
		7/12/94	0.38
		8/26/94	0.02
		9/9/94	0.08
		9/14/94	0.16
		9/19/94	0.06
		9/20/94	0.04
		9/23/94	0.04
		10/4/94	0.01
		11/30/94	0.62
		12/5/94	0.63
		12/14/94	0.5
		12/22/94	0.77
		1/9/95	0.22

Appendix R
Summary of NAPL Thickness Data
Montrose Chemical and Del Amo Superfund Sites,
Dual Site Groundwater Operable Unit
2017 Baseline MACR

ID	HSU [a]	Date	NAPL Thickness
MW-20 (cont.)	Water Table / MBFB	1/19/95	1.05
		1/26/95	1.4
		2/1/95	0.98
		2/9/95	1.22
		2/15/95	1.23
		2/21/95	1.21
		3/3/95	1.27
		3/7/95	1.33
		3/30/95	1.34
		4/12/95	1.39
		4/26/95	1.38
		5/4/95	1.44
		5/10/95	1.5
		5/17/95	1.72
		5/24/95	1.59
		5/30/95	1.64
		6/16/95	1.72
		6/20/95	1.03
		7/7/95	1.89
		7/27/95	1.82
		8/3/95	1.9
		8/17/95	1.24
		8/17/95	2.07
		8/24/95	1.4
		8/30/95	1.33
		9/29/95	1.45
		10/5/95	1.53
		10/9/95	0.18
		11/2/95	1.57
		2/17/98	1.32
		1/26/99	1.54
		1/21/04	0.74
		2/14/12	1.86
		9/6/17	0.00
MW-21	Water Table / MBFB	2/2/94	0.01
		2/3/94	0.01
		2/4/94	0.01
OWL002B	MBFB	9/6/96	0.005
OWL003B	MBFB	9/5/96	0.01
		9/6/96	0.01

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ID	HSU [a]	Date	NAPL Thickness
OWL004A	UBF	6/21/96	0.05
		6/28/96	0.08
		9/5/96	0.18
		9/5/96	0.19
		9/5/96	0.2
		9/5/96	0.21
		9/6/96	0.19
		9/9/96	0.19
		9/10/96	0.19
OWL004B	MBFB	9/5/96	0.19
OWL005A	UBF	5/31/96	0.13
		6/21/96	0.18
		6/28/96	0.2
		9/5/96	0.25
		9/5/96	0.26
		9/5/96	0.27
		9/5/96	0.3
		9/6/96	0.25
		9/9/96	0.21
OWL005B	MBFB	9/5/96	0.02
OWL006A	UBF	6/21/96	0.01
		9/5/96	0.01
OWL006B	MBFB	8/20/96	0.17
		9/5/96	0.32
		9/5/96	0.33
		9/5/96	0.34
		9/5/96	0.35
		9/6/96	0.34
		9/9/96	0.35
		9/10/96	0.34
OWL007A	UBF	6/21/96	0.01
		9/5/96	0.74
		9/6/96	0.01
OWL007B	UBF/MBFB	6/21/96	0.25
		6/28/96	0.28
		8/20/96	0.47
		9/3/96	0.72
		9/5/96	0.74
		9/5/96	0.75
		9/6/96	0.72
		9/9/96	0.74
OWL008A	UBF	9/5/96	0.01
		9/6/96	0.005
OWL010A	UBF	9/6/96	0.01
OWL010B	MBFB	9/6/96	0.01

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ID	HSU [a]	Date	NAPL Thickness
OWL011A	MBFB	6/21/96	0.05
		6/28/96	0.05
		9/5/96	0.05
		9/6/96	0.06
OWL011B	MBFB	9/6/96	0.005
PZL0019	Water Table	9/3/14	1.65
		9/1/15	13.94
		9/6/17	6.85
SWL0001	MBFB	10/23/92	0.75
		10/27/92	1.05
		10/28/92	1.01
		10/28/92	1.02
		10/30/92	1.1
		10/31/92	1.17
		11/3/92	0.04
		11/4/92	0.1
		11/5/92	0.13
		11/6/92	0.14
		11/10/92	0.44
		11/12/92	0.49
		11/16/92	0.42
		11/16/92	0.62
		11/17/92	0.37
		11/17/92	0.4
		11/18/92	0.16
		11/18/92	0.4
		11/19/92	0.23
		11/24/92	0.37
		11/30/92	0.57
		12/1/92	0.52
		12/2/92	0.4
		12/3/92	0.55
		12/7/92	0.51
		12/10/92	0.69
		12/11/92	0.74
		12/14/92	0.88
		12/15/92	0.77
		12/16/92	1.05
		12/16/92	1.08
		12/17/92	0.85
		12/18/92	0.87
		12/21/92	1.03
		12/22/92	1.17
		12/23/92	1.15
		12/29/92	1.29

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ID	HSU [a]	Date	NAPL Thickness
SWL0001 (cont.)	MBFB	12/30/92	1.4
		1/5/93	1.16
		1/5/93	1.24
		1/6/93	0.94
		1/7/93	1.03
		1/15/93	1.37
		1/28/93	1.12
		2/9/93	1.7
		2/16/93	1.65
		3/3/93	1.61
		3/16/93	1.69
		4/20/93	1.87
		5/21/93	2.11
		6/24/93	2.39
		7/29/93	2.77
		8/5/93	2.74
		8/12/93	2.69
		8/18/93	2.68
		9/1/93	0.28
		11/9/93	3.3
		11/15/93	3.135
		11/22/93	3.01
		11/29/93	3.06
		12/6/93	3.01
		12/13/93	3.02
		12/20/93	3.08
		12/22/93	3.17
		12/23/93	3.08
		12/28/93	3.08
		12/30/93	2.94
		12/31/93	2.78
		1/4/94	2.87
		1/5/94	2.725
		1/5/94	2.755
		1/6/94	2.93
		1/6/94	2.96
		1/6/94	2.97
		1/7/94	3.01
		1/7/94	3.09
		1/7/94	3.1
		1/10/94	2.88
		1/10/94	2.91
		1/10/94	2.92
		1/11/94	2.85
		1/11/94	2.91

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ID	HSU [a]	Date	NAPL Thickness
SWL0001 (cont.)	MBFB	1/11/94	2.97
		1/12/94	2.965
		1/12/94	3.01
		1/12/94	3.045
		1/13/94	2.765
		1/13/94	2.84
		1/13/94	2.92
		1/14/94	2.72
		1/14/94	2.75
		1/17/94	2.835
		1/17/94	2.91
		1/18/94	2.7
		1/18/94	2.76
		1/18/94	2.835
		1/19/94	2.79
		1/19/94	2.8
		1/19/94	2.81
		1/20/94	2.96
		1/20/94	2.98
		1/20/94	2.99
		1/21/94	2.94
		1/21/94	3.02
		1/21/94	3.03
		1/24/94	2.72
		1/24/94	2.73
		1/24/94	2.82
		1/24/94	2.83
		1/25/94	2.77
		1/25/94	2.81
		1/25/94	2.82
		1/25/94	2.86
		1/26/94	2.78
		1/26/94	2.79
		1/26/94	2.865
		1/26/94	2.87
		1/26/94	2.93
		1/26/94	2.94
		1/27/94	2.66
		1/27/94	2.68
		1/27/94	2.69
		1/27/94	2.71
		1/28/94	2.85
		1/28/94	2.88
		1/28/94	2.89
		1/31/94	2.94

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ID	HSU [a]	Date	NAPL Thickness
SWL0001 (cont.)	MBFB	1/31/94	2.99
		1/31/94	3.02
		2/1/94	2.87
		2/1/94	2.98
		2/1/94	3.02
		2/2/94	2.69
		2/2/94	2.73
		2/2/94	2.78
		2/3/94	2.67
		2/3/94	2.71
		2/3/94	2.76
		2/4/94	2.67
		2/4/94	2.7
		2/4/94	2.71
		2/10/94	2.75
		2/11/94	2.68
		2/14/94	2.6
		2/15/94	2.65
		2/16/94	2.61
		2/17/94	2.62
		2/23/94	2.63
		2/25/94	2.51
		3/1/94	2.68
		3/2/94	2.65
		3/3/94	2.66
		3/4/94	2.68
		3/7/94	2.56
		3/8/94	2.79
		3/15/94	2.55
		3/16/94	2.54
		3/17/94	2.54
		3/18/94	2.5
		3/25/94	2.56
		3/28/94	2.56
		3/29/94	2.6
		4/13/94	2.57
		4/14/94	2.61
		4/22/94	0.06
		5/3/94	2.71
		5/24/94	1
		5/27/94	2.88
		5/31/94	0.05
		6/13/94	2.01
		6/20/94	3.07
		8/26/94	1.65

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ID	HSU [a]	Date	NAPL Thickness
SWL0001 (cont.)	MBFB	9/9/94	3.4
		9/14/94	0.41
		9/14/94	3.47
		9/19/94	3.44
		9/19/94	3.51
		9/20/94	3.5
		9/23/94	3.51
		9/26/94	3.4
		11/29/94	3.71
		11/30/94	3.55
		12/5/94	3.52
		12/14/94	3.59
		12/22/94	3.58
		1/9/95	3
		1/19/95	3.56
		1/26/95	2.97
		2/1/95	3.36
		2/9/95	3.28
		2/15/95	3.27
		2/21/95	3.36
		3/1/95	3.2
		3/3/95	2.3
		3/7/95	3.38
		3/30/95	3.79
		4/12/95	3.25
		4/26/95	3.21
		5/4/95	3.26
		5/10/95	3.3
		5/17/95	3.4
		5/24/95	3.37
		5/30/95	3.38
		6/16/95	3.46
		7/7/95	3.61
		7/27/95	3.59
		8/3/95	3.64
		8/17/95	3.77
		8/24/95	3.72
		8/30/95	3.68
		9/29/95	3.81
		10/5/95	3.87
		10/9/95	4.41
		11/2/95	3.92
		12/1/95	3.83
		1/8/96	3.88
		1/12/96	3.91

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ID	HSU [a]	Date	NAPL Thickness
SWL0001 (cont.)	MBFB	1/22/96	3.93
		1/29/96	3.21
		2/13/96	3.91
		9/5/96	0.29
		9/5/96	0.82
		9/10/96	6.01
		1/26/99	0.45
		1/21/04	2.68
		2/14/12	1.6
		9/6/17	0.15
SWL0003	Water Table / MBFB	12/17/92	0.01
SWL0032	MBFB	12/22/93	0.095
		12/23/93	0.1
		12/30/93	0.1
		12/31/93	0.1
		1/4/94	0.11
		1/5/94	0.115
		1/5/94	0.12
		1/6/94	0.11
		1/7/94	0.11
		1/7/94	0.12
		1/10/94	0.11
		1/10/94	0.12
		1/11/94	0.095
		1/11/94	0.1
		1/11/94	0.11
		1/12/94	0.1
		1/12/94	0.11
		1/13/94	0.1
		1/14/94	0.1
		1/17/94	0.115
		1/17/94	0.12
		1/18/94	0.1
		1/18/94	0.11
		1/19/94	0.1
		1/19/94	0.11
		1/19/94	0.115
		1/20/94	0.1
		1/21/94	0.1
		1/21/94	0.115
		1/21/94	0.12
		1/24/94	0.1
		1/24/94	0.11
		1/24/94	0.13
		1/25/94	0.1

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ID	HSU [a]	Date	NAPL Thickness
SWL0032 (cont.)	MBFB	1/25/94	0.12
		1/26/94	0.1
		1/26/94	0.11
		1/26/94	0.12
		1/27/94	0.11
		1/27/94	0.115
		1/27/94	0.12
		1/28/94	0.11
		1/31/94	0.11
		2/1/94	0.11
		2/1/94	0.12
		2/2/94	0.1
		2/2/94	0.11
		2/2/94	0.12
		2/3/94	0.1
		2/3/94	0.11
		2/4/94	0.1
		2/4/94	0.11
		2/10/94	0.1
		2/11/94	0.11
		2/14/94	0.1
		2/15/94	0.1
		2/16/94	0.1
		2/17/94	0.11
		2/23/94	0.1
		2/25/94	0.1
		2/28/94	0.09
		3/1/94	0.09
		3/2/94	0.1
		3/3/94	0.09
		3/4/94	0.09
		3/7/94	0.1
		3/8/94	0.09
		3/15/94	0.1
		3/16/94	0.1
		3/17/94	0.1
		3/18/94	0.09
		3/25/94	0.1
		3/28/94	0.1
		3/29/94	0.12
		4/13/94	0.08
		4/14/94	0.08
		8/26/94	0.03
		9/9/94	0.08
		9/19/94	0.12

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ID	HSU [a]	Date	NAPL Thickness
SWL0032 (cont.)	MBFB	9/20/94	0.13
		9/23/94	0.14
		9/26/94	0.13
		12/22/94	0.38
		1/19/95	0.47
		2/9/95	0.54
		2/15/95	0.57
		2/21/95	0.51
		3/1/95	0.61
		3/3/95	0.6
		3/7/95	0.62
		3/30/95	0.58
		4/12/95	0.72
		4/26/95	0.77
		5/4/95	0.78
		5/10/95	0.83
		5/17/95	0.84
		5/23/95	0.83
		5/24/95	0.87
		5/30/95	0.83
		6/16/95	0.88
		6/20/95	0.88
		7/7/95	0.94
		7/27/95	0.98
		8/3/95	1
		8/17/95	1.05
		8/24/95	1.05
		8/30/95	1.07
		9/29/95	1.14
		10/5/95	1.16
		10/9/95	1.17
		11/2/95	1.21
		12/1/95	1.29
		1/8/96	1.39
		1/12/96	1.4
		1/22/96	1.37
		1/29/96	1.46
		2/13/96	1.47
		10/9/96	1.89
		1/14/97	1.91
		2/17/98	2.02
		1/26/99	2.01
		1/21/04	2.4
		2/14/12	2.48
		9/3/14	2.33

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ID	HSU [a]	Date	NAPL Thickness
SWL0032 (cont.)	MBFB	9/1/15	2.15
		9/7/16	0.16
		9/6/17	0.06
XP-01 [b]	MBFB	3/15/93	7.55
		5/6/93	7.71
		7/10/95	7.34

Notes:

[a] - Historical data is recorded with the HSU designation that was used at that tin

[b] - Well XP-01 destroyed on January 4, 2001.