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SFPP Norwalk Pump Station
Norwalk, California

Third Quarter 2021 Remediation Progress Report

Final

October 15, 2021

Kinder Morgan, Inc.



SFPP Norwalk Pump Station

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October 15, 2021
Date

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Acronyms and Abbreviations

µg/L	microgram(s) per liter
ASTM	ASTM International
Ba ¹⁴ CO ₃	barium carbonate
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CH2M	CH2M HILL, now part of Jacobs Engineering Group Inc.
CO ₂	carbon dioxide
COPC	contaminant(s) of potential concern
DFSP	Defense Fuel Support Point
DTSC	Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
ft ² /day	square foot/feet per day
gal/year	gallon(s) per year
gal/acre/year	gallon(s) per acre per year
GWE	groundwater extraction
GWTS	groundwater treatment system
HSVE	horizontal soil vapor extraction
IRAP	interim remedial action plan
Jacobs	Jacobs Engineering Group Inc.
Kinder Morgan	Kinder Morgan, Inc.
lb/year	pound(s) per year
LGAC	liquid-phase granular activated carbon
LNAPL	light nonaqueous phase liquid
MTBE	methyl tertiary butyl ether
No.	number
NSZD	natural source zone depletion
OWS	oil-water separator
PID	photoionization detector
ppmv	parts per million by volume
ROC	radius of capture
RSL	regional screening level
RTO	regenerative thermal oxidizer
scfm	standard cubic feet per minute

SFPP	SFPP, L.P., an indirect subsidiary of Kinder Morgan, Inc.
site	SFPP, L.P. Norwalk Pump Station located within Defense Fuel Support Point Norwalk, at 15306 Norwalk Boulevard, Norwalk, California
SVE	soil vapor extraction
TFE	total fluids extraction
TPH	total petroleum hydrocarbons
TPH-g	total petroleum hydrocarbons quantified as gasoline
VOC	volatile organic compound
Water Board	California Regional Water Quality Control Board, Los Angeles Region

1. Introduction

This report summarizes remediation activities performed at the SFPP, L.P. (SFPP) Norwalk Pump Station located within Defense Fuel Support Point (DFSP) Norwalk, at 15306 Norwalk Boulevard, Norwalk, California (the site; Figure 1) during the third quarter 2021 reporting period.

This progress report is submitted pursuant to a request from the California Regional Water Quality Control Board, Los Angeles Region (Water Board) in its letter dated October 25, 2006 (Water Board, 2006). Additional site background information can be found in the *Conceptual Site Model and Proposed Alternate Interim Remedy for Soil, Groundwater, and Light Nonaqueous Phase Liquid* report (CH2M¹, 2013), and in previously submitted quarterly remediation progress reports and semiannual groundwater monitoring reports, available for download on “GeoTracker,” the Water Board’s internet-accessible database system.

This report summarizes the various remediation systems at the site and describes remediation activities for the period of July 1 through September 30, 2021, with documentation of the following tasks:

- Operation and maintenance of all active remediation systems performed by Kinder Morgan, Inc. (Kinder Morgan) field personnel and outside subcontractors, including laboratory analysis of various compliance and performance samples (Appendix A).
- Completion and implementation of remediation system improvements.
- Continued implementation and evaluation of the natural source zone depletion (NSZD) performance monitoring pilot study.
- Installation of two additional soil vapor monitoring points on September 29, 2021, in the offsite/south-central and southeastern offsite areas.

This report also provides interpretation and recommendations regarding ongoing remediation optimization and progress toward achieving remediation technology transition points, including the following supplemental documentation:

- An updated summary of NSZD performance in the south-central area (Appendix B), including recently analyzed and calculated NSZD rates using helium diffusion data and the gradient method. Helium diffusion data were collected in October of 2020 at a subset of nested soil vapor monitoring locations.
- Documentation of remedial progress in the southeastern area associated with horizontal biosparge well BS-02, NSZD measurements from the southeastern area soil vapor extraction (SVE) wells, and predicted timeframe to reach a transition to NSZD in the southeastern area. Supplemental BS-02 monitoring data are in Appendix C.
- Documentation of remedial progress in the offsite/south-central area associated with horizontal biosparge (BS-03) well and horizontal SVE (HSVE) well (HSVE-01). Supplemental BS-03 data are in Appendix D.

The remediation activities performed from July through September 2021 and the progress achieved through those activities are summarized in the following sections.

¹ CH2M HILL (CH2M) is now part of Jacobs Engineering Group Inc. (Jacobs).

2. Description of Remediation Systems

Kinder Morgan currently operates three refined fuel pipelines (two 16-inch and one 24-inch) that traverse the southern border of the site. These pipelines previously supplied fuel products to the former tank farm, and various block valves and other connection points were identified as potential sources of historical subsurface releases in the south-central and southeastern areas of the site. Between the third quarter of 2016 and the second quarter of 2017, the pipelines were modified to remove all valves and connections so that the pipelines now span across the site in a continuous manner, reducing the potential for future releases that could have occurred at those connection points.

Kinder Morgan operates remediation systems consisting of vertical and horizontal SVE, horizontal biosparge, TFE (extraction of free product, groundwater, or both, using a top-loading pump), GWE (extraction of groundwater using a bottom-loading pump), and treatment of extracted soil vapors and groundwater to address the south-central and southeastern areas of the site.

The objectives of the remediation systems are to contain and control the migration of hydrocarbon constituents in groundwater and soil vapor, and to remove hydrocarbon mass from soil and groundwater. The remediation systems consist of the following remediation wells:

- South-central area (currently inactive)
 - 13 TFE wells
 - 24 onsite SVE wells
 - 1 horizontal biosparge well (BS-01)
- Offsite/south-central area
 - 7 TFE wells (only GMW-O-12 was temporarily active)
 - 6 offsite SVE wells (five are collocated with TFE wells, inactive)
 - 1 horizontal biosparge well (BS-03, currently active)
 - 1 horizontal SVE well (HSVE-01, currently active)
- Southeastern area
 - 4 TFE wells (GMW-O-15, GMW-O-18, GMW-36, and GMW-SF-9, inactive)
 - 1 GWE well (GMW-SF-10, inactive)
 - 9 SVE wells (3 co-located with TFE wells, currently active)
 - 1 horizontal biosparge well (BS-02, currently active)

A summary of remediation wells in the south-central, southeastern, and offsite/south-central areas and their operational status at the end of the third quarter of 2021 is presented in Table 1. The remediation system layout is shown on Figure 2. A brief description of each system is provided in Sections 2.1 through 2.3.

In addition, as a transitional remedy, in May 2020, Kinder Morgan implemented an NSZD performance monitoring pilot study in the south-central and southeastern areas of the site, as described in the NSZD Work Plan (Jacobs, 2019b), and approved by the Water Board in a letter dated April 8, 2020 (Water Board, 2020). NSZD is a term used to describe the collective, naturally occurring processes of dissolution, volatilization, and biodegradation that result in mass losses of light nonaqueous phase liquid (LNAPL) petroleum hydrocarbon constituents from the subsurface. Under favorable conditions, NSZD processes are often capable of contaminant reduction rates on par with active remedies. The purpose of the NSZD pilot study is to evaluate the rate of NSZD under the following conditions at the site:

- 1) South-central area prior to horizontal biosparging operations (based on historical soil vapor probe data)
- 2) South-central area following nearly 3 years of treatment with horizontal biosparging
- 3) Southeastern area prior to the startup of the recently installed horizontal biosparging system
- 4) Southeastern area following the operation of the recently installed horizontal biosparging system

To facilitate the pilot study, previously active remedies (i.e., SVE, TFE, and horizontal biosparge) in the south-central area were temporarily suspended in May 2020 to allow for data collection in that area under ambient conditions. Additionally, TFE and GWE systems were temporarily suspended in February 2021, as noted previously in remediation reports from the first and second quarters of 2021, while other active remedies in the southeastern and offsite/south-central areas remain online.

The pilot study consists of three separate sampling/monitoring events over the course of 18 to 24 months, whereby complementary field methodologies will be used to collect carbon dioxide (CO₂) efflux measurements and soil gas samples for laboratory analysis. The new data, coupled with historical soil vapor monitoring data, will be used to calculate current NSZD rates, which will be evaluated in conjunction with other historical remediation performance monitoring data such as SVE influent and effluent concentrations, groundwater hydrocarbon concentrations, and TFE influent and effluent data. Ultimately, the pilot study will inform the approach for potentially transitioning to an NSZD remedy at the site.

The first (baseline) NSZD sampling/monitoring event was conducted in May 2020, with the south-central remediation systems turned off and just prior to startup of the southeastern remediation systems. The second event was conducted in November 2020; the third event is scheduled to occur in the fourth quarter of this year. Additionally, supplemental NSZD data are being collected intermittently from the SVE system and soil vapor monitoring points on an interim basis. The initial NSZD pilot study results are included in Appendix B of this report; updates will be included in subsequent quarterly remediation progress reports. A discussion of current NSZD results is provided in Section 4.1.

2.1 Groundwater Treatment System

The main groundwater treatment system (GWTS) processes free product and groundwater recovered from the south-central, offsite/south-central, and southeastern parts of the site. Free product and groundwater recovered by pneumatically operated, top-loading total fluid pumps and bottom-loading groundwater pumps are piped to a dissolved air flotation unit (oil-water separator [OWS]). Free product, if any, from the OWS is collected in a storage tank and recycled at an offsite location. Water from the OWS is conveyed to a 300-gallon tank and then treated using liquid-phase granular activated carbon (LGAC) to remove hydrocarbons including benzene, toluene, ethylbenzene, and xylenes (BTEX). Treated water is routed through an onsite 3,000-gallon equalization tank. Two fluidized bed bioreactors installed downstream of the equalization tank treat fuel oxygenates such as tertiary butyl alcohol (TBA) and methyl tertiary butyl ether (MTBE). The treated groundwater then passes through polishing LGAC units prior to discharge to a storm drain that leads to Coyote Creek. Discharge to Coyote Creek is performed in accordance with a National Pollutant Discharge Elimination System permit (Permit Number [No.] CA0063509; Order No. R4-2016-0309).

No groundwater was extracted during the third quarter of 2021. Groundwater extraction was suspended on February 23, 2021, in accordance with Water Board approval on January 20, 2021 (Waterboard, 2021a). This temporary pause in hydraulic control is similar to the temporary shutdown of the south-central GWE system in May 2020. Suspension of the GWE system is contingent on the ongoing stability of the dissolved-phase distributions and trends at the site. As a contingency measure, if future groundwater trends indicate unstable conditions, TFE and GWE wells can be selectively restarted, as needed.

2.2 Horizontal Biosparge System

The layout of the horizontal biosparging wells at the site is illustrated on Figure 2. Each well is constructed of 4-inch-diameter polyvinyl chloride with varying screen lengths placed at approximately 45 feet below ground surface (bgs).

2.2.1 Biosparge Well BS-01 (Not Operating)

In December 2014, Kinder Morgan completed installation of a horizontal biosparge system in the south-central area of the site, which consists of a horizontal biosparge well (BS-01) and a 500-standard-cubic-foot-per-minute (scfm) compressor. To reduce the potential for off-gassing of volatile organic compounds (VOCs) while biosparging, the SVE system (described below) has an interlock that will not allow the biosparge to operate without the SVE system running. Further details regarding the construction of the biosparge well are documented in the report titled *Horizontal Biosparge Well and Soil Vapor Monitoring Probe Completion Report* (CH2M, 2015). BS-01 has been offline since December 2019 as part of the NSZD pilot study.

2.2.2 Biosparge Well BS-02 (Operating)

A second horizontal biosparge well (BS-02) was installed in the southeastern area of the site in November 2017. The design of the second biosparge well is similar to the south-central biosparge well. The lateral distance of the screen interval is 240 feet centered below the southeastern area hydrocarbon plume. A construction completion report documenting construction activities and specifications was submitted on July 12, 2018 (Jacobs, 2018). The 500-scfm sparge compressor was turned off temporarily and a new air sparge compressor (883 scfm) was installed in the fourth quarter 2018 to deliver ambient air to both the south-central and southeastern sparge wells. The 500-scfm and 883-scfm compressors are appropriately sized to deliver ambient air to both the south-central and southeastern sparge wells, and to allow for future system expansion. BS-02 was turned on in May 2020 and is currently operating at a flow between 180 and 190 scfm, as of September 2021.

Starting in the first quarter 2021 and continuing as C-14 data are collected, an operational efficiency correction (i.e., system downtime correction) and C-14 modern carbon correction was applied to the cumulative mass removed as detailed in Appendix C. Based on the carbon C-14 isotopic data derived from barium carbonate (BaCO_3) samples analyzed in the first quarter 2021, a mass biodegradation correction was applied to account for CO_2 production from biogenic sources (i.e., hydrocarbon sources other than petroleum). The correction factor was multiplied by the equivalent mass biodegraded by CO_2 to calculate the CO_2 production from petrogenic sources (i.e., degradation of petroleum). This corrected value was added to the cumulative equivalent mass removed as VOCs to calculate the cumulative mass removed and biodegraded to date in the southeastern area. The C-14 correction factor (modern carbon) ranged from 0.35 to 0.45 (i.e., for every pound of CO_2 removed, only 65 to 55 percent of that represents petroleum degradation). Section 4.1 provides an in-depth discussion of the NSZD investigation. Additional details regarding the operation of BS-02 during the third quarter of 2021 are discussed in Section 4.3.

2.2.3 Biosparge Well BS-03 (Operating)

A new horizontal biosparge well (BS-03) was installed in the offsite/south-central area in December 2019. The length of the BS-03 well screen is 500 feet and the total length of the well is 770 feet. BS-03 is centered below the offsite/south-central area hydrocarbon plume. A well installation completion report documenting construction activities and specifications was submitted to the Water Board in June 2020 (Jacobs, 2020a). Construction activities to connect the BS-03 wellhead to the treatment system were completed in October 2020.

Startup activities began at BS-03 in May 2021, shortly after startup and sustained operation of HSVE-01 in early April 2021 (see details of HSVE-01 startup and operation in Section 2.3). BS-03 is currently operating at a flow of 250 scfm, as of September 2021. Additional details regarding the operation of BS-03 during the third quarter of 2021 are discussed in Section 4.3.

2.3 Soil Vapor Extraction System

SVE is performed using a blower to remove soil vapors from the south-central and southeastern areas of the site. The extracted vapors are conveyed to a knock-out tank that separates entrained moisture from the soil vapors. Accumulated moisture in the knock-out tank is treated by the main GWTS described in Section 2.1. The soil vapors are then treated in a regenerative thermal oxidizer (RTO) where VOCs are converted to CO₂ and water prior to being discharged to the atmosphere. Operations of the GWTS and SVE system are conducted in accordance with Permits to Operate (Permit No. G46188 A/N 578779 and No. G46187 A/N 578777) issued by the South Coast Air Quality Management District.

The south-central SVE system remains offline as part of the NSZD pilot study. The expanded southeastern SVE system was restarted on May 15, 2020; the well network includes VEW-3, VEW-4, PZ-5, GMW-O-16, GMW-O-19, and MW-8, and TFE/SVE wells GMW-O-15, GMW-O-18, and GMW-36. These wells connect to the RTO via a new dedicated 1,200-foot-long, 6-inch-diameter high-density polyethylene header. The expanded southeastern SVE system flow is monitored through two methods, a summation of flows from the individual well heads and a combined flow measurement in the southeastern SVE header. During the third quarter the southeastern SVE header flow has been consistently measuring below the summation of well head flows. The flows from the summation of individual wells have been approximately 220 scfm consistently, and the flow at the SVE header this quarter has ranged from 130 to 140 scfm, under a vacuum pressure of 56 to 57 inches of water. The difference in summation of flows from the well heads to the header will be reconciled in the fourth quarter 2021, by correcting errors in field equipment instrumentation.

HSVE-01 was installed in the offsite/south-central area in December 2019 and is designed to extract vapors created from operating the new horizontal biosparge well BS-03. HSVE-01 is constructed of 6-inch-diameter Schedule 10 stainless-steel casing and screen and was completed to a depth of approximately 20 feet bgs. The length of the HSVE-01 screen is 500 feet, and the total length of the well is 745 feet. A construction completion report documenting construction activities and specifications was submitted to the Water Board in June 2020 (Jacobs, 2020a). Construction activities to connect the HSVE-01 wellhead to the treatment system were completed in October 2020.

HSVE-01 startup activities began in April 2021. At that time, the vertical SVE well network in the offsite/south-central area was inoperative. Baseline soil vapor data were collected prior to the startup of HSVE-01, along with a radius of influence evaluation at soil vapor monitoring points and select groundwater well locations. In addition, ongoing evaluation and data collection continued following the startup of both HSVE-01 and BS-03. These data helped establish a comprehensive evaluation of subsurface conditions prior to startup and now through sustained operation of both HSVE-01 and BS-03 through the third quarter of 2021. HSVE-01 is currently operating at a flow between 450 and 500 scfm, as of September 2021. Additional details regarding the operation of HSVE-01 during the third quarter of 2021 are discussed in Section 4.3.

Figure 3 illustrates the mass of VOCs removed quarterly by the soil vapor extraction system.

3. Remediation System Operation and Maintenance

During the third quarter 2021 reporting period, operation and maintenance of the remediation systems included the following tasks:

- Performed ongoing weekly maintenance on the RTO system.
- Conducted as needed supplemental monitoring of the BS-02 and BS-03 biosparging systems and surrounding monitoring points (approximately biweekly).

During the third quarter of 2021, the remediation systems operated continuously, with the following exceptions:

- The GWTS has remained offline since February 23, 2021, with no discharge since that time.
- On July 17, 2021 the biosparge systems compressor lost power. On July 21, 2021 the compressor power was restored and restarted.
- On August 6, 2021 the SVE, BS-02, and BS-03 shutdown due to a compressor fault. Systems were restarted on August 7, 2021.
- On August 9, 2021 the SVE, BS-02, and BS-03 shutdown due to another compressor fault. A new compressor was installed on August 24, 2021, and the systems were restarted.
- On September 2, 2021 the biosparge systems went offline due blowoff protection alarm. The vent valve was serviced on September 7, 2021, and the systems were restarted.

During the third quarter of 2021, the GWTS did not operate. The SVE system was operational 86.0 percent of the time. The biosparge systems were operational 61.7 percent of the time. Table 2 presents the SVE system operation summary.

Photoionization detector (PID) measurements and analytical results for extracted vapor during the third quarter of 2021 are summarized in Tables 3 and 4, respectively. The groundwater remediation system historical operation activities are summarized in Table 5. The historical monthly extracted groundwater analytical results are summarized in Table 6. Table 7 presents the biosparge systems operational summary. Table 8 presents the soil vapor probe analytical results for August 2021. Historical (post-2007) gauging results for select TFE and SVE wells are provided in Table 9.

4. Remediation Progress and Optimization

As summarized in this section, and noted previously, since February 23, 2021, the GWTS operation has been temporarily suspended as detailed in Jacobs *Request for Approval to Temporarily Suspend Hydraulic Control in the Southeastern and Offsite/South-Central Areas, SFPP Norwalk Pump Station, Norwalk, California* submitted to the Water Board electronically on January 8, 2021 (Jacobs, 2021a), and conditionally approved by the Water Board via electronic mail on January 20, 2021 (Water Board, 2021).

At the time of the GWTS suspension, the system had not recovered LNAPL since 2017 and has recovered less than 125 pounds of hydrocarbons as dissolved phase on average since 2016. Sitewide decreases in dissolved-phase concentrations (discussed in detail in Section 5) have led to decreases in influent hydrocarbon groundwater concentrations. When comparing the late stage GWTS removal rate (<125 lbs/yr, on average, since 2016) with the rates while biosparging is operating:

- Approximately 3,600 to 360,000 lbs/year more for BS-01 (historical min-max range) when it was operating
- Approximately 3,800 lbs/year more for BS-02 (actively operating)
- Approximately 23,000 lbs/year more for BS-03 (actively operating)

The biosparging systems represent several orders of magnitude greater mass removal than active hydraulic recovery remedies. The low dissolved-phase liquid mass recovery compared to the mass removal rate of biosparging and SVE activities at the site is one of the reasons for the discontinuation of the GWTS. The other reason for the discontinuation of the GWTS is the ongoing stable and declining dissolved-phase concentrations and distributions, which are described in Section 4.2.

NSZD rates measured across the site in 2020 with no active remediation operating were approximately 1,400 gallons per year (gal/year) (approximately 10,000 pounds per year [lb/year]), as described in the next section, which is greater than the current mass removal rate achieved by the GWTS. The southeastern area baseline passive NSZD rate (approximately 3,000 lb/yr) is now approximately equal to that of the mass removal rate (approximately 3,000 lbs/year) achieved by biosparging and SVE in the southeastern area (BS-02). The combination of these data indicates continued operation of the GWTS hydraulic control wells no longer provides a significant remedial benefit. In addition, active biosparging in the southeastern area (BS-02) is reaching a transition point, removing less mass than passive NSZD rates for the southeastern area, signifying a transition point to passive NSZD for this area.

4.1 Natural Source Zone Depletion Assessment

NSZD is being evaluated at the site to compare active remedies with ambient degradation rates of the remaining petroleum hydrocarbons at the site. To evaluate ambient NSZD at the site, the active remediation systems must be temporarily suspended, including hydraulic control and recovery (that is, groundwater pump and treat), SVE, and biosparging, as recommended in the *Biosparging Effectiveness Evaluation and Recommendations, South-Central Area* (Jacobs, 2019a). A more thorough NSZD evaluation is expected to be completed following the suspension of active remediation systems at the site. Jacobs is awaiting results from continued barium carbonate ($\text{Ba}^{14}\text{CO}_3$) sampling that has been conducted since the NSZD technical memorandum titled *Natural Source Zone Depletion Preliminary Results, SFPP Norwalk Pump Station, Norwalk, California* (Jacobs, 2020b) was completed. Recent barium carbonate sampling data were submitted for analysis this quarter and should be completed in the fourth quarter 2021 for summary.

The preliminary results of the baseline NSZD assessment (Jacobs, 2020b) are presented in Appendix B.

The comparative analysis of E-Flux trap and Ba¹⁴CO₃ sampling techniques for the analysis of the carbon-14 (¹⁴C) signature of CO₂ efflux showed that both methods produce comparable results. Going forward, Ba¹⁴CO₃ sampling techniques will be used at the site as they allow collection of NSZD data in the offsite/south-central area where surface flux meters would not be effective because the area is mostly paved private (residential) property, and Ba¹⁴CO₃ sampling techniques allow the collection of a higher density of samples across the site.

This NSZD evaluation evaluates NSZD processes occurring in the subsurface with consideration of historical and future remedial activities (e.g., biosparging operation). NSZD rates with active remedies temporarily suspended were measured at up to approximately 1,400 gal/year (10,000 lb/year) in terms of biodegradation occurring in the subsurface.

The south-central area NSZD footprint is approximately 7 acres, the southeastern area is approximately 3 acres, and the offsite/south-central area is approximately 4 acres based on current dissolved-phase extents. On average across the site, this equates to approximately 100 gallons per acre per year (gal/acre/year) (700 lb/acre/year), recognizing each area at the site is at a different remedial phase and those average degradation rates vary in each area accordingly.

Exhibit 1 summarizes the overall preliminary NSZD rates divided by area and separated by treatment phase. While biosparging is active in a given area the NSZD rate is estimated based on the total biodegradation captured by the SVE network in that area. While biosparging is not active in a given area the NSZD rate is calculated using either a gradient method with vapor probe data or NSZD surface flux measurements (i.e., LICOR meter). For example, Exhibit 1 illustrates the pre-biosparging NSZD rate for all areas, followed by the biosparging NSZD rate based on SVE influent analysis, followed by the post-biosparging NSZD rate (currently only available for the south-central area where biosparging has transitioned to NSZD). As illustrated in Exhibit 1, pre-biosparging NSZD rates are elevated due to the total degradation mass remaining in treatment areas. These rates then increase initially during biosparging (the higher range of the rates) and decrease near their transition point to passive NSZD (the lower range of the rates). Finally, the post-biosparging passive NSZD rate represents an NSZD rate near or above the transition point during biosparging but below the pre-biosparging rate. These metrics are not absolute as there is a limited overall petroleum mass to degrade, but do support and illustrate the concepts of effective active remediation and provide part of the basis for transitioning from active to passive remedies. In summary, each of these areas is transitioned to passive NSZD when the active biosparging NSZD rate no longer exceeds the passive NSZD rate.

		Treatment Phase		
		Pre-Biosparging	During Biosparging	Post-Biosparging
Treatment Area	NSZD Rate (gal/year) [year]			
	SOUTHEASTERN AVERAGE	1,600 [2014] - 200 [2020]	2,600 [2019] - 300 [2021]	Pending Biosparge Transition
	SOUTH-CENTRAL AVERAGE	1,700 [2014]	2,100 [2014] - 1,100 [2018]	800-1,200 [2020-2021]
	OFFSITE/SOUTH-CENTRAL	200-600 [2014-2021]	11,200 [2021]	Pending Biosparge Transition

Exhibit 1. Preliminary NSZD Rates and Treatment Phases

In the offsite/south-central area, a majority of the surface cover consists of buildings and roadways, making it difficult to measure NSZD using NSZD surface flux methods (flux chamber or flux traps). Therefore, NSZD is calculated using the existing soil vapor monitoring probes and the NSZD gradient method (CRC CARE, 2018). The gradient method requires measuring the permeability in the vadose zone. To determine the permeability, helium diffusion tests were conducted in October 2020. Helium was injected and extracted at a series of

nested soil vapor monitoring locations (SVM-9, SVM-12, SVM-17, SVM-18, SVM-19, SVM-20, SVM-21, SVM-23, SVM-24, and SVM-25), each of which has either two or three depths (approximately – 5 feet, 10+ feet, or 15+ feet) per location (see Appendix B.1 for soil vapor probe depth details). Note that the locations tested were distributed across the entire site as the gradient method will be used as a comparative method to evaluate NSZD across all areas of the site. A helium diffusion rate was calculated for each depth interval in the nested locations using the methods outlined in the Cooperative Research Centre for Contamination Assessment and Remediation of the Environment (CRC CARE) Technical Memo No. 44 (CRC CARE, 2018). As additional operational data are collected, location-specific helium diffusion values will be used to refine the location-specific NSZD rates; however, for these preliminary calculations, the calculated helium diffusion values were averaged and then converted into diffusion rates for oxygen and carbon dioxide using defined stoichiometric ratios. Additionally, the soil type in the vadose zone is relatively homogeneous at the site and averaging the diffusion values (similar to hydraulic conductivity values) provides a representative value.

Mass of oxygen and carbon dioxide was calculated by converting the historical average, annually from 2014 to the August 2021 sampling event, to percent concentration of each respective gas at each location into grams of gas per volume using the method outlined in the CRC CARE Technical Memo No. 44 (CRC CARE, 2018).

The NSZD rate for each location was then calculated using the diffusion and mass gradient values into Fick's Law (CRC CARE, 2018). Finally, these NSZD rates were corrected to account for modern carbon by applying the preliminary correction factor established from $Ba^{14}CO_3$ samples collected at the site previously (see Appendix B). This NSZD gradient method is only comprehensively applicable to areas of the site when they are not undergoing biosparging operations because during biosparging operations a majority of the gas distribution is under advective flow. In those cases, the NSZD rate is estimated based on the supplemental operational data from each biosparging operation area where the entire areas biodegradation gases are captured by the local SVE system. The corrected NSZD rates for the sampled soil vapor monitoring locations across the site from 2014 to 2021 while biosparging systems were not active ranged from 0 to 1,156 gal/acre/year of hydrocarbon, averaging 84 gal/acre/year of hydrocarbon.

- For the offsite/south-central area the range was 0 to 1,156 gal/acre/year of hydrocarbon, averaging 68 gal/acre/year of hydrocarbon.
- For the south-central area the range was 0 to 996 gal/acre/year of hydrocarbon, averaging 121 gal/acre/year of hydrocarbon.
- For the southeastern area the range was 0 to 284 gal/acre/year of hydrocarbon, averaging 45 gal/acre/year of hydrocarbon.

Exhibit 1 tabulates NSZD rates for each area based on the phase of remediation being completed. Exhibit 2 illustrates a breakdown of NSZD rates by site area over time. For more detail on the helium diffusion and gradient method calculations, see Appendix B.

These NSZD rates calculated from the helium diffusion and gradient method demonstrate another means of quantifying the biodegradation processes occurring in the subsurface at the site. Locations that did not observe an upward CO_2 gradient were assumed to have an NSZD rate of zero. This in-depth evaluation will be outlined in an interim remedial action plan (IRAP) focused on NSZD as the primary treatment method. The IRAP is targeted for submittal in the first half of 2022, following the suspension of BS-02 operation. A graphic representation of the preliminary average of yearly NSZD rates across the site, as calculated using the gradient method, is included as Exhibit 2. These values will continue to be refined as additional data are collected and submitted in the forthcoming IRAP report.

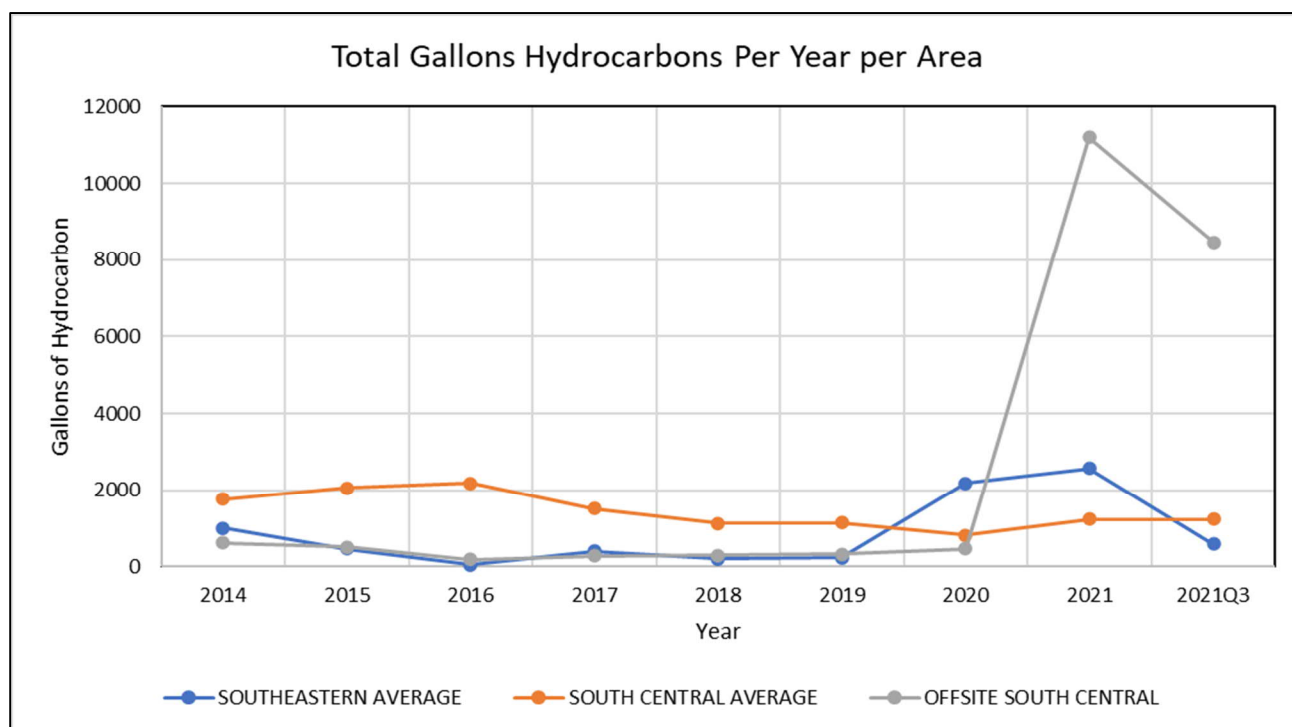


Exhibit 2. Average Annual Gallons of Hydrocarbon per Area

4.2 Summary of Hydrocarbon Mass Removal from the Groundwater Treatment System

No groundwater was extracted during the third quarter of 2021 (Table 5). Approximately 109.2 million gallons of groundwater have been extracted since GWTS operations first began in 1996.

Since 1995, a total of 14,426 gallons of product (104,250 pounds) has been removed by TFE, vacuum truck, or manual bailing operations. No product has been removed since 2017. The estimated mass removal (pounds) of hydrocarbons by the GWTS is shown in Table 5. Mass removal estimates between 1996 and 2005 are based on BTEX and MTBE concentrations in the groundwater influent (total petroleum hydrocarbon [TPH] data were not available) and total volume of extracted groundwater. Mass removal estimates between 2006 and 2011 are based on groundwater influent concentrations of TPH quantified as gasoline (TPH-g) and TPH quantified as fuel product, and the total volume of extracted groundwater. Mass removal estimates between 2012 and the first quarter 2021 are based on groundwater influent TPH-total concentrations (TPH-total includes TPH quantified as gasoline, diesel, and oil) and the total volume of extracted groundwater.

Since GWE first began in 1996, hydrocarbon mass removed by the GWTS is estimated to be 18,470 pounds, of which approximately 18,000 pounds had been removed by 2016. Since 2016, less than 500 pounds of hydrocarbon mass have been removed (less than 125 lb/year). No groundwater has been extracted since February 2021. Figure 4 is a time-series chart that shows this general decrease in dissolved-phase hydrocarbon concentrations in the extracted groundwater.

4.3 Summary of Hydrocarbon Mass Removal from the Biosparge and Soil Vapor Extraction Systems

Several remedial systems (horizontal biosparge and horizontal SVE) across the site were active in the third quarter of 2021. Each of those remedial systems (HSVE-01, BS-02, and BS-03) are detailed in this section.

Horizontal Soil Vapor Extraction Well (HSVE-01) and Biosparging Well BS-03

The offsite/south-central horizontal SVE (HSVE-01) started up in the second quarter of 2021 and has continued operating (with some minor downtime) through the third quarter of 2021. Additional detailed data and narrative of the offsite/south-central horizontal SVE system are provided in Appendix D.

During the third quarter of 2021, HSVE-01 flow was on average 482 scfm. Vacuum for HSVE-01 during the third quarter of 2021 was on average 53 inches of water. VOC concentrations in HSVE-01 have averaged approximately 500 parts per million by volume (ppmv). The approximate VOC levels observed during operation of HSVE-01 during the third quarter of 2021, with BS-03 operating at 150-250 scfm are illustrated on Exhibit 3. Observed patterns in flow and VOCs during the third quarter of 2021 are attributable to intermittent shutdown and restarts from various operational adjustments (see Section 3), as well as drip leg condensate clearings, which were increased in frequency this quarter. Drip legs are collection pipes along the SVE conveyance line that accumulate excess water/moisture and prevent build up in the line. There are four drip legs along the HSVE-01 conveyance line to the manifold.

The offsite/south-central biosparge (BS-03) operated for 1,711 hours, and 76.7 percent uptime during the third quarter. The biosparge system flow (air injection) rate ranged from approximately 113 to 300 scfm. The relatively lower flow reflects the gradual, stepwise startup procedure following intermittent operation of HSVE-01 due to maintenance (Exhibit 3). Currently, BS-03 is operating at approximately 250 scfm as of September 30, 2021. Additional detailed data and narrative of the offsite/south-central biosparge system are provided in Appendix D.

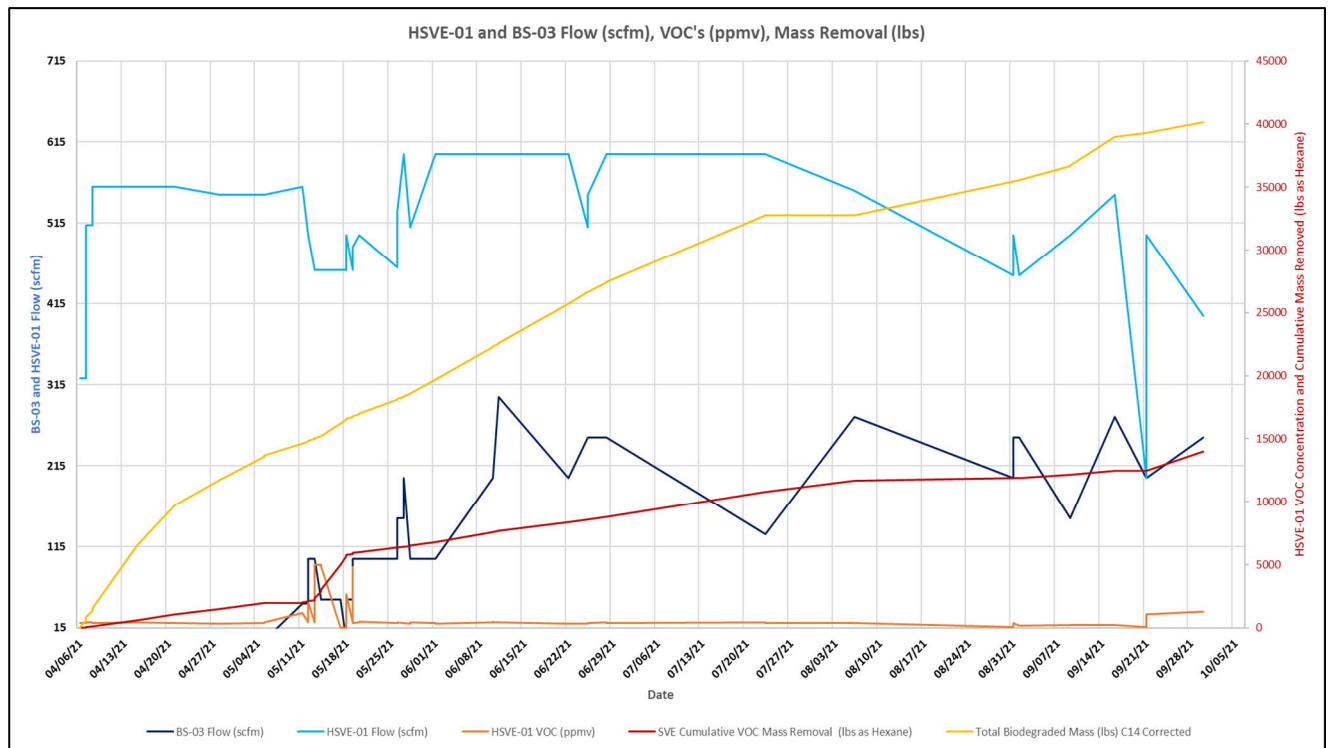


Exhibit 3. HSVE-01 and BS-03 Flow-scfm and VOCs-ppmv from April 2021 through September 2021

Groundwater elevations and LNAPL thicknesses were continuously evaluated in the field during startup of HSVE-01 and BS-02. Following initial startup of BS-03, it was noted the previously observed LNAPL thickness in select monitoring well locations were no longer present and average groundwater elevation increased slightly from approximately 31 feet below top of casing, to 29 feet below top of casing. Gradually, groundwater elevations have since decreased back to approximately 30 feet below top of casing at the end of the second quarter 2021 and remained through the third quarter of 2021 (Table 9). Only one well illustrated increased observations in water levels, GMW-O-14, which is adjacent to BS-03. See Appendix D for detailed data and operations narrative. See Appendix E for this quarter's groundwater technical memorandum.

Monthly vapor samples from the SVE system (influent, influent post-dilution, and effluent) were collected on July 1, August 3, and September 2, 2021. The vapor samples were delivered to Air Technology Laboratories in City of Industry, California, for the following analyses:

- Fixed gases (methane, CO₂, oxygen, and argon) using ASTM International (ASTM) D1946
- VOCs using U.S. Environmental Protection Agency (EPA) Method TO-15
- Total VOCs using EPA Method TO-3

The laboratory analytical reports and chain-of-custody documents for these samples are included in Appendix A.

Based on weekly monitoring of the influent vapor concentration, vapor extraction flow rate, and hours of operation, the total mass of VOCs removed by SVE was 4,894 pounds during the third quarter of 2021. Total mass recovered by the SVE system has consistently decreased since the first quarter of 2016 (where a high of 74,148 pounds of VOCs were recovered), when biosparging in the south-central area was implemented (see Figure 3). This finding is consistent with laboratory analytical data demonstrating that the influent VOC concentrations (BTEX and MTBE) have consistently decreased since initiating biosparging activities (Table 4, Figure 5), until startup of BS-02 (May 2020) and BS-03 (May 2021). The cumulative mass of VOCs removed since SVE was implemented in September 1995 is 3,637,878 pounds (Table 2). This cumulative mass removed by SVE does not include the mass removed by naturally occurring in-situ biodegradation.

Additionally, C-14 data collected have been used to plot the cumulative mass biodegraded in the offsite/south-central area, which accounts for additional petroleum mass destruction as well as the VOC removal rate of the SVE system. Ranges of modern carbon and C-14 corrected cumulative mass removed are depicted in Exhibit 3. The primary observation from these data is that more than 70 percent of the mass removal occurring in the HSVE-01/BS-03 area is occurring through biodegradation and NSZD mechanisms.

Exhibit 4 illustrates the soil vapor field monitoring data prior to startup and during sustained operation of HSVE-01 and BS-03.

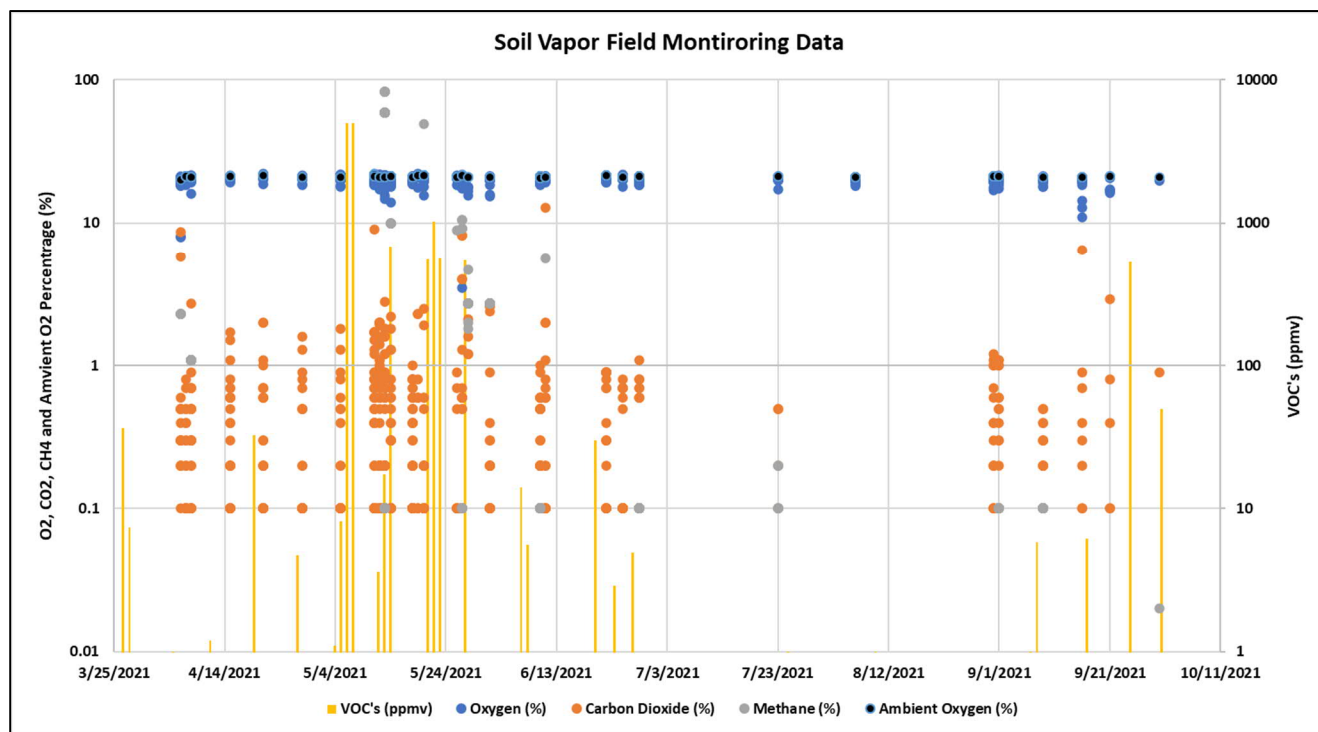


Exhibit 4. Soil Vapor Monitoring Field Screening Data (oxygen-%, carbon dioxide-%, methane-%, ambient oxygen-%, and VOC's-ppmv) from April 2021 through September 2021

Initial baseline soil vapor monitoring data collected on April 6, prior to HSVE-01 startup, indicated most locations with fixed gases in the following ranges, except as noted:

- Oxygen – 18.1% to 21.3%
 - SVM-10D and SVM-16D were 8.1% and 8.0%, respectively
- Carbon Dioxide – 0.0% to 0.6%
 - SVM-10D and SVM-16D were 5.8% and 8.7%, respectively
- Methane – 0.0%
 - SVM-16D was 2.3%

Existing SVE wells and monitoring wells were included as part of the vapor monitoring program; however, their relatively long screens that intersect the water table allow for direct volatilization of vapors from groundwater. Additionally, these SVE wells contain a large volume of air that is not purged during every sampling event; therefore, they can only be directly compared with a subset of soil vapor monitoring points. Generally, these existing SVE wells and monitoring wells contain higher VOC concentrations and over- or underestimate actual vacuum or pressure in the subsurface; however, they are still a useful indicator for optimization of BS-03 flows.

During the third quarter 2021 operation of HSVE-01 and BS-03, soil vapor field monitoring data (VOCs) were slightly elevated (>10 ppmv) at two locations in mid-September 2021 (Exhibit 4); SVM-07S and SVM-07D. These locations became elevated after recognition that the drip legs for the HSVE-01 system needed a more frequent clearing schedule (2x per week to 4x per week). If and when drip legs along the system become full, vacuum and flow can be affected, thus causing accumulation of VOCs at certain locations (i.e., SVM-07). These VOC accumulations only transiently increased and decreased after drip leg clearing. All other monitoring locations during the third quarter of 2021 were below 10 ppmv for VOCs.

Cumulative VOCs captured by HSVE-01 from startup (April 2021) through September 30, 2021, were calculated using the same method as was used for previous SVE mass removal estimates and were observed to be approximately 14,000 pounds, averaging 63 lbs/day over the 95-day operation period. With biodegradation included, HSVE-01 has removed approximately 52,000 pounds of mass in this area. See Appendix D for detailed data and operations narrative.

Radius of capture (ROC) data were collected in the field at select soil vapor field monitoring during third quarter 2021 HSVE-01 and BS-03 operations. Appendix D contains detailed data and a narrative regarding the ROC field data. Exhibit 4.1 illustrates the upper bound, lower bound, and average ROC of the measured vacuums versus perpendicular horizontal distance to HSVE-01, which ranges from approximately 190 to 250 feet and averages 225 feet. These ROCs have maintained relatively steady capture, even with the ramp-up of BS-03 to 250 scfm.

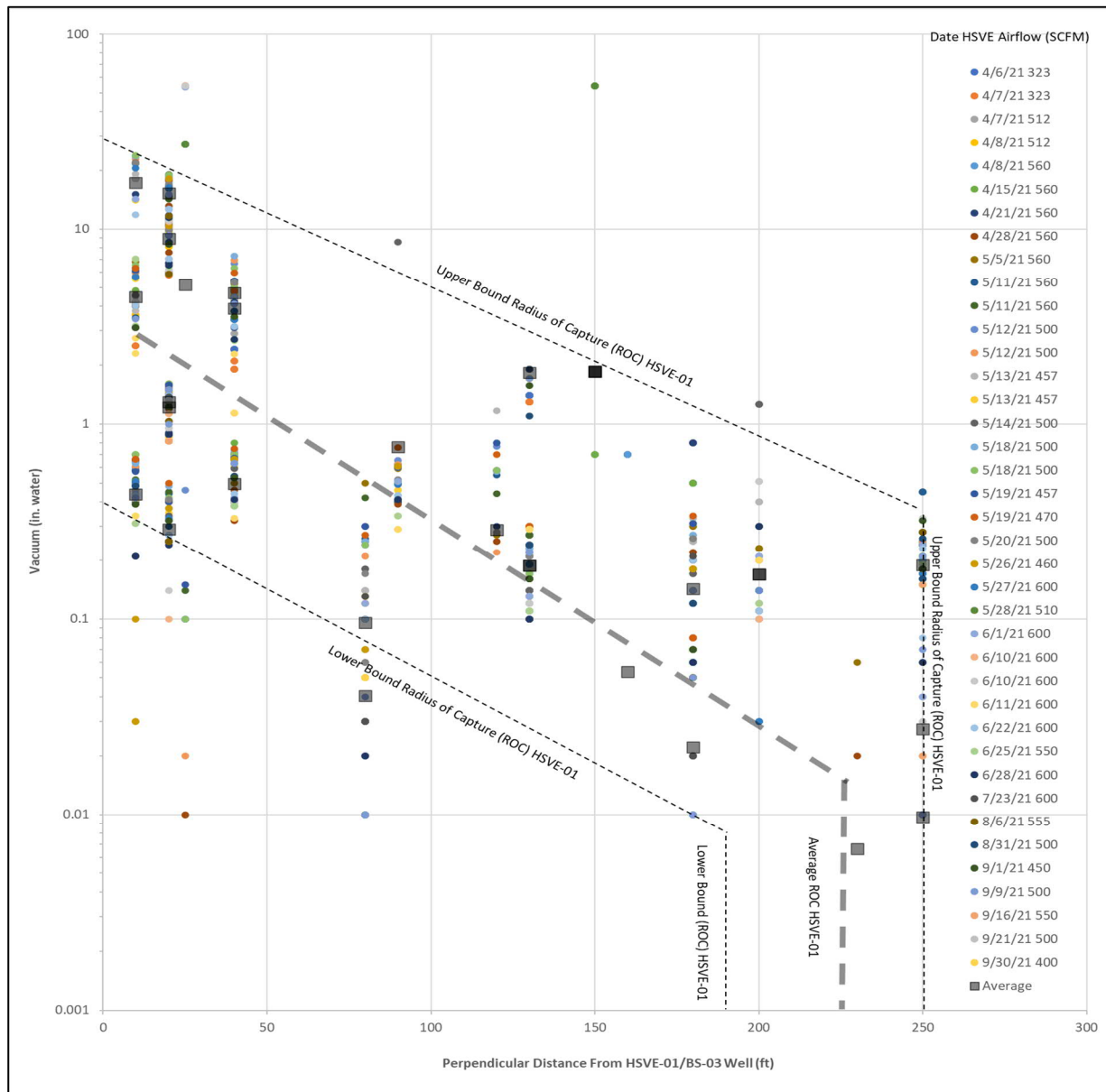


Exhibit 4.1. Radius of Capture (ROC) based on Field Data Collected during Second and Third Quarter 2021 HSVE-01 Startup and Sustained Operation

Overall, the combination of limited VOC detection in vapor points in the offsite/south-central area combined with the sustained radius of capture on average of at least 200 feet supports continued operation and optimization of BS-03 and HSVE-01 without adversely affecting surficial soil vapors or aboveground residential locations.

Biosparge (BS-02):

The southeastern biosparge system (BS-02) operated for 1,711 hours, and 76.7 percent uptime during the third quarter of 2021 (Table 7). A detailed narrative of the southeastern biosparge system is provided in Appendix C. Exhibit 5 illustrates the SVE mass removal over time at BS-02 and Exhibit 6 illustrates the composition of the mass removal over time at BS-02.

Supplemental data have been collected from the SVE header that extracts air from the southeastern treatment area. These data are summarized in Appendix C. The calculations used to determine the mass removal based on the BS-02 supplemental data are the same as for the overall SVE system. A summary of the supplemental data collected at BS-02 compared with the systemwide SVE data is provided in Exhibit 5, parsed by BS-03 supplemental data as well. Seasonal variations are apparent over the course of SVE operations, which accounts for the divergence in mass recovery rate near the beginning of BS-02 startup; however, later operation data indicate that mass removal rates are similar for the overall system mass removal and the offsite/south-central area mass removal (detailed data and analysis of BS-03 operations are described in the following section). The offsite/south-central area (BS-03) data on Exhibit 5 illustrate alignment to overall system mass removal data, indicating BS-02 is no longer contributing mass recovery at the site beyond what could be achieved under passive NSZD rates. This observation confirms that mass recovery in the southeastern area related to BS-02 operations has reached a transition point.

Exhibit 5 is an updated version (through the third quarter of 2021) of the vapor mass recovery rate over time graph originally provided in the *Biosparging Effectiveness Evaluation and Recommendations, South-Central Area* (Jacobs, 2019a). The annotated summary of the SVE system provided in Exhibit 5 illustrates the vapor mass recovery rate over time as well as the cumulative vapor mass recovered to date. Annotations illustrate the significant remedial changes that have occurred and are anticipated to occur at the site in relation to the SVE system operation. As previously noted in the operation of BS-01, there was an initial increase (up to 1,000 lb/day, 360,000 lb/year) in vapor recovery rate followed by a steady decrease in vapor recovery rate (down to 10 lb/day, 3,600 lb/year) following the startup and continuous operation of the south-central biosparge system. When this remedial system (BS-01) reached approximately 10 lb/day in vapor recovery rate, it was suspended.

The same decline curve pattern can be observed in the startup and operation of BS-02, where initial recovery was approximately 300 lb/day, or approximately 100,000 lb/year. The decline trend in vapor recovery at BS-02 through the third quarter of 2021 (average VOC mass removal rate during the third quarter of 2021 is currently 10.5 lb/day, or 3,800 lb/year), indicates a practical transition point to a passive NSZD remedy for the southeastern area is recommended in the fourth quarter of 2021.

As noted in Section 4, NSZD rates across the site are approximately 1,400 gal/year (approximately 10,000 lb/year). Passive NSZD rates in the southeastern area (BS-02) are now greater than active biosparging rates at BS-02. Exhibit 5.1 illustrates this concept (VOC removal rate vs. cumulative removal rate comparative to currently calculated NSZD rates), helping demonstrate the transition point to NSZD has arrived and that suspension of BS-02 is recommended in the fourth quarter 2021, in preparation for the IRAP to be submitted in the first half of 2022.

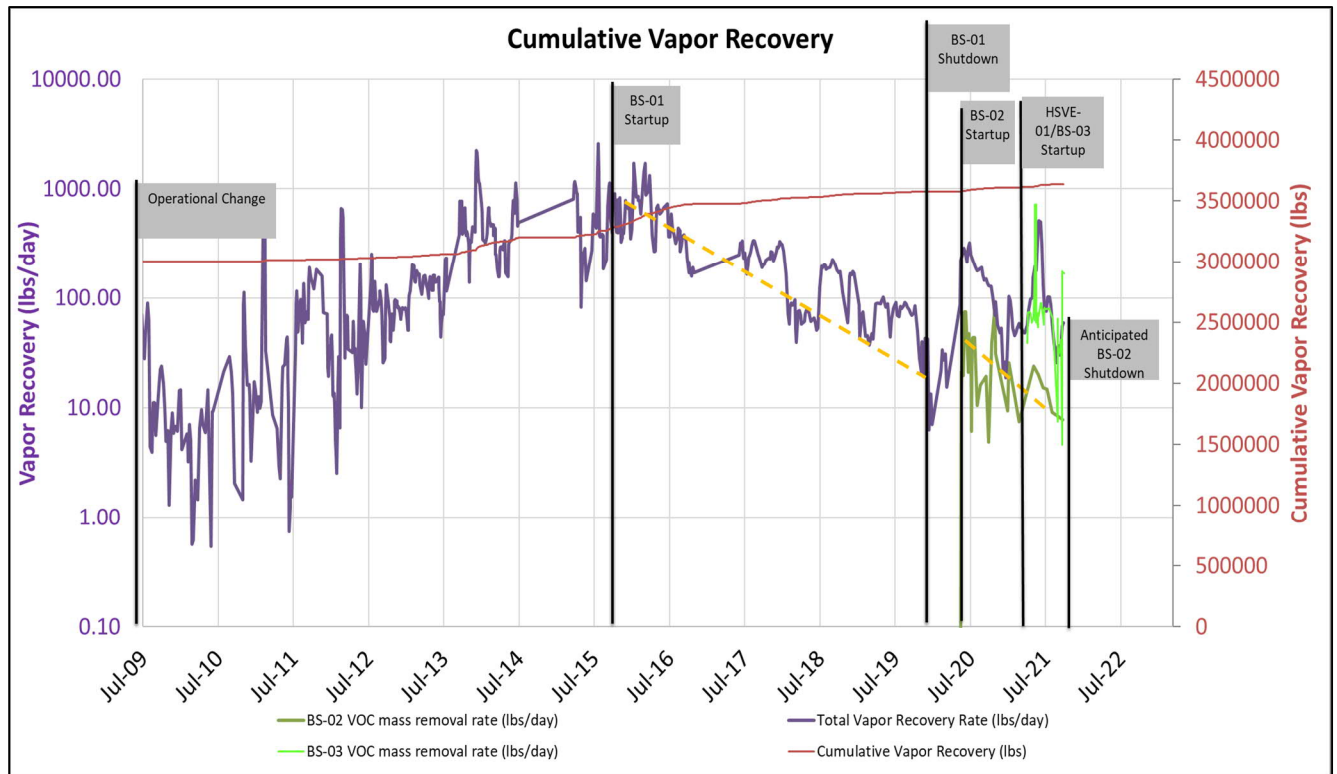


Exhibit 5. Vapor Mass Recovery Rate Over Time

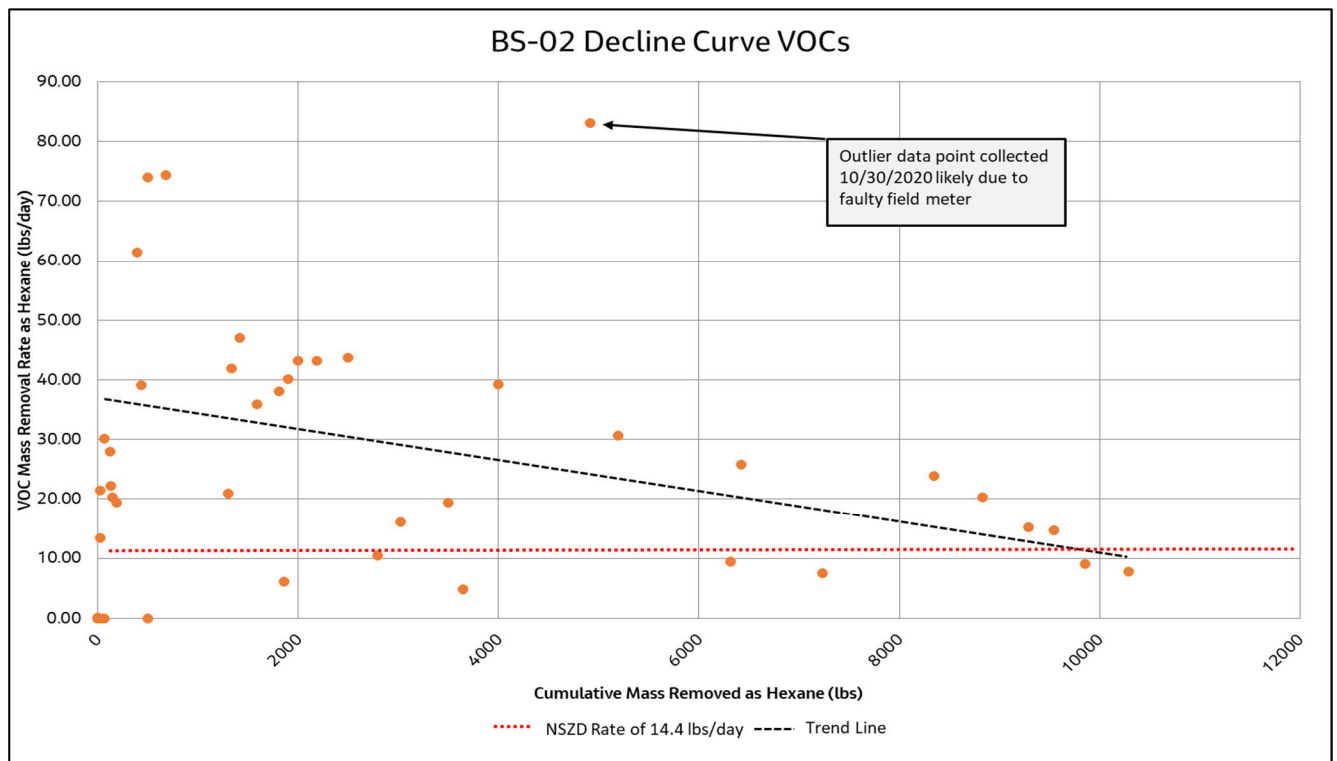


Exhibit 5.1. BS-02 Decline Curve VOCs versus Cumulative Mass Removed

Additionally, C-14 data collected have been used to plot the cumulative mass biodegraded in the southeastern area, which accounts for additional petroleum mass destruction as well as the VOC removal rate of the SVE system. Ranges of modern carbon and C-14 corrected cumulative mass removed are depicted in Exhibit 6. The primary observation from these data is that more than 70 percent of the mass removal occurring in the BS-02 area is occurring through biodegradation and NSZD mechanisms.

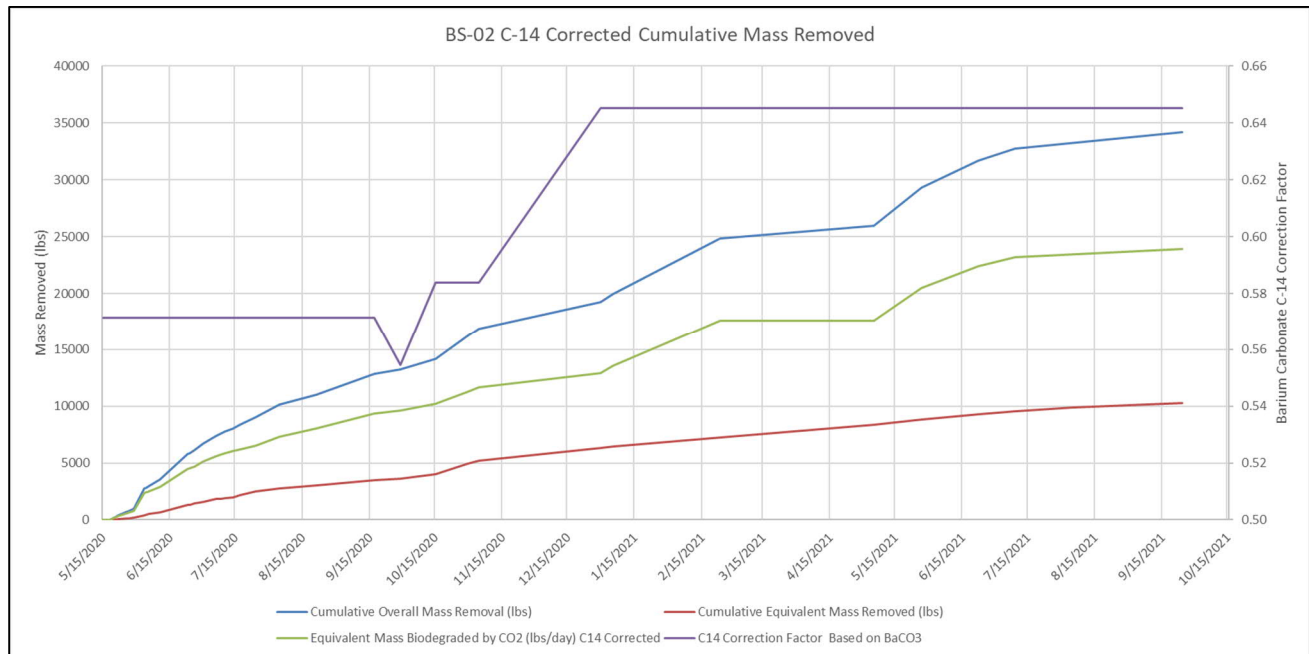


Exhibit 6. BS-02 C-14 Corrected Cumulative Mass Removed

In addition to the above-mentioned metrics pointing towards a transition point for the BS-02 system and southeastern area, monitoring of formation gases through soil vapor monitoring points and SVE wells in the southeastern area also indicate and support the transition to NSZD. Exhibit 7 illustrates the VOC's and oxygen concentration at the SVE header (influent monitoring) for BS-02 over time. Observed VOC's since system startup have declined from approximately 600 ppmv to less than 200 ppmv, demonstrating remedial progress. In addition, oxygen concentrations have increased from approximately 18 percent to around 20 percent, near atmospheric concentrations.

Individual well trends in the southeastern area support these data observations at the SVE header (influent). Exhibit 8 illustrates individual well trends in the southeastern area (mass removal rate vs. cumulative mass removed), demonstrating that only a handful of wells (PZ-5, GMW-36, GMW-O-16, and GMW-O-19) are contributing to the overall VOC's observed at the header (BS-02). All other wells are no longer significantly contributing to the mass removal in this area. Of the 4 wells contributing to the overall VOC's observed at the header, only 2 currently (as of August 2021) have removal rates >5.0 lbs/day (GMW-O-16 and GMW-36). Both of these wells have demonstrated declines in both observed VOC's over time as well of dissolved-phase constituents over time (see Appendix E for groundwater statistical analysis data). Each of these wells is decreasing, stable, or nondetect for TPH-g and benzene based on recent groundwater data and statistical analysis. GMW-O-16 and GMW-36 have both reduced in TPH-g by more than approximately 90 percent from historical highs.

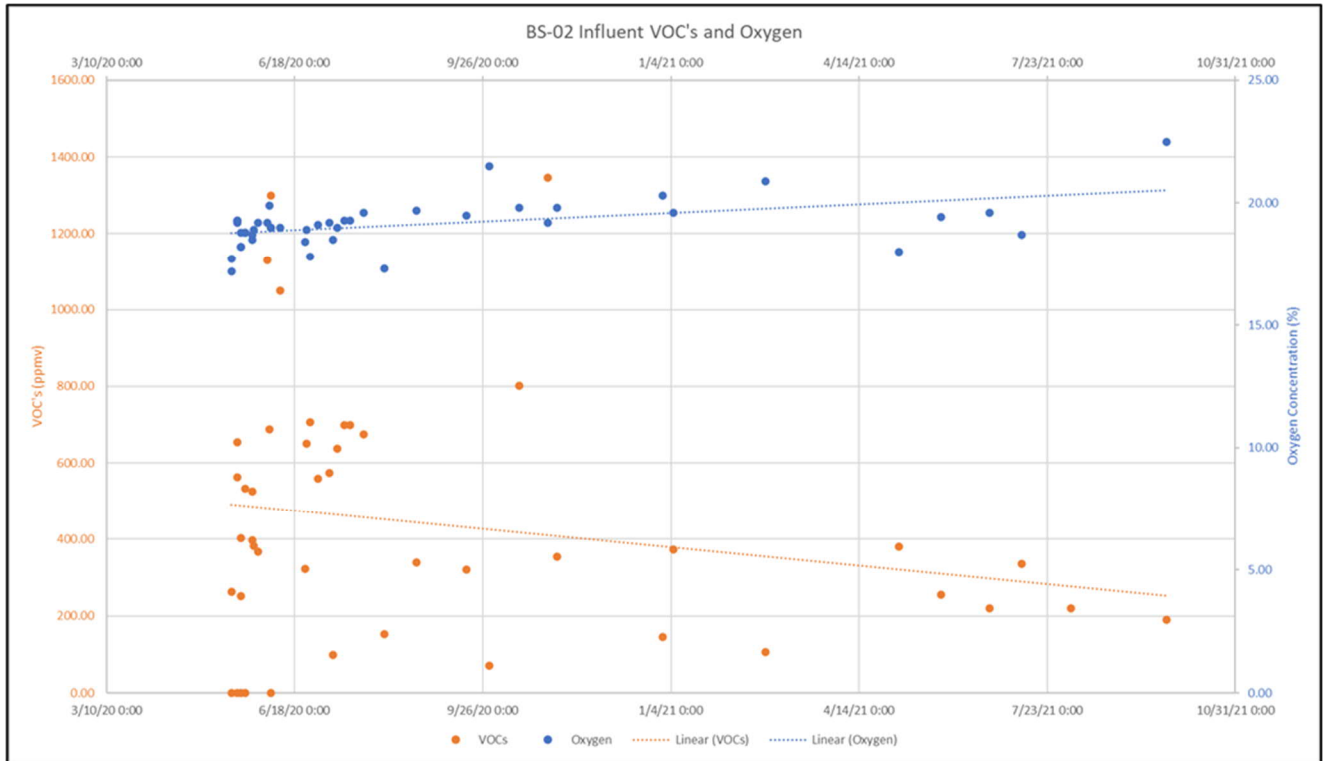


Exhibit 7. BS-02 Influent VOC's and Oxygen Concentrations over Time

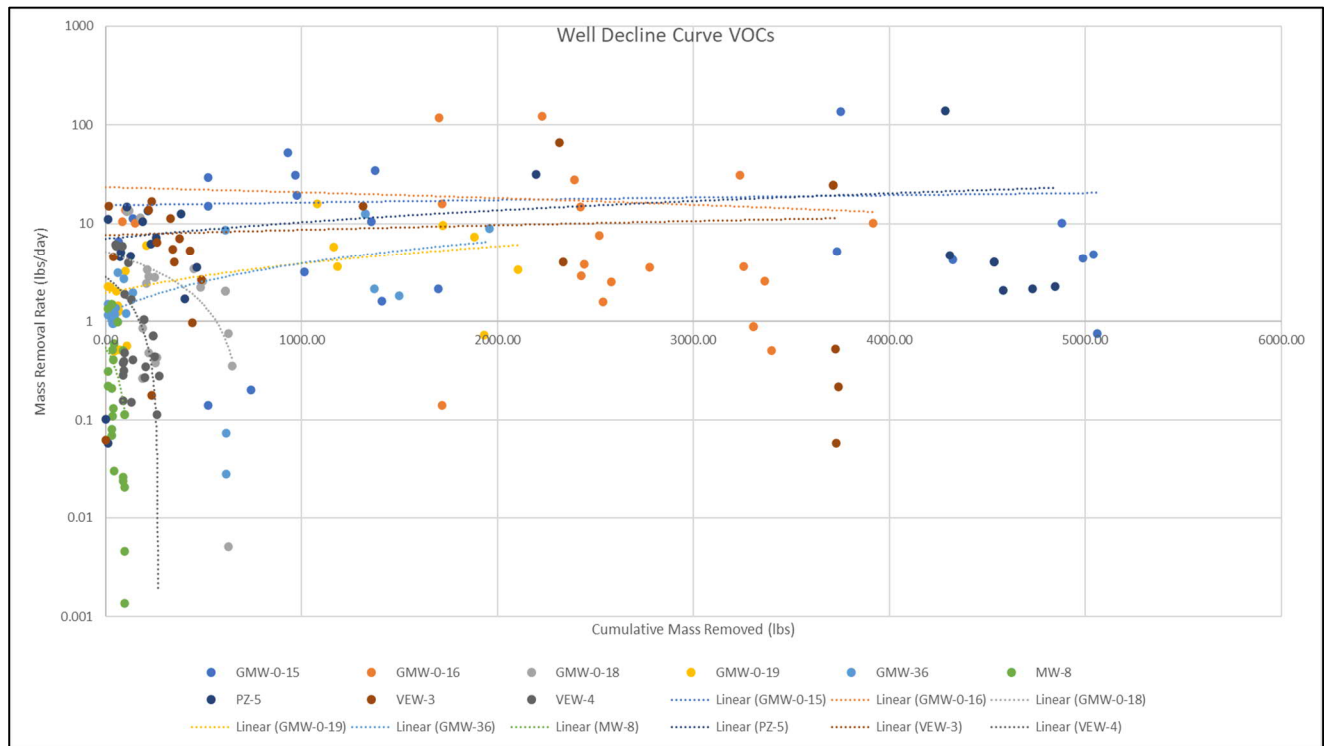


Exhibit 8. Individual Well Decline Curves (Mass Removal Rate lbs/day vs. Cumulative Mass Removed lbs)

The trends related to BS-02 and the southeastern area demonstrate the transition point for biosparging in the southeastern area have been met and transitioning to passive NSZD in the southeastern area will result in a similar mass removal rate as active biosparging. It is recommended that suspension of BS-02 occur in the fourth quarter 2021. The suspension of BS-02 will allow for ambient conditions to return to the southeastern area, meeting the assumptions needed to collect the phase III NSZD data in November or December of 2021.

Following suspension of southeastern remedial operations and NSZD data collection in the fourth quarter 2021, quarterly sampling (soil gas and groundwater) will continue to be monitored. If sampling data indicate unexpected changes in vapor concentrations or dissolved-phase constituents, the following contingency measures can be taken:

- Continue to measure NSZD rates
- Turn on SVE to select wells temporarily
 - This would alter/affect the NSZD evaluation in the area
- Restart the BS-02 biosparging system

5. Current Site Conditions, Trends, and Interpretation

Routine sampling and monitoring of groundwater, soil gas, and SVE influent and effluent are performed to evaluate changes to the nature and extent of petroleum hydrocarbon impacts across the site as a result of ongoing remedial activities, including active treatment systems and natural biodegradation. Currently, limited groundwater sampling as part of the active remedial operations is performed during the first and third quarter of each year by Jacobs. In addition, sitewide groundwater monitoring is performed by Jacobs and SGI during the second quarter (first semiannual monitoring event) and fourth quarter (second semiannual monitoring event) of each year. The most recent report and data are presented in the *First Semiannual 2021 Groundwater Monitoring and Sampling Report, Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk, California* (SGI, 2021), submitted to the Water Board in July 2021. The third quarter groundwater monitoring data, analysis, and summary are included in Appendix E to this report as a technical memorandum.

5.1 Groundwater Monitoring Results and Stability Trend Analysis

In general, groundwater monitoring data indicate that the dissolved-phase plumes are stable, decreasing, or both, across the site as a result of operating treatment systems and from natural biodegradation. A statistical analysis of site groundwater data was conducted in the third quarter of 2021, which included data collected up to August 2021 (see Appendix E).

To summarize, the statistical groundwater analysis from the third quarter 2021 reporting period demonstrated that the overwhelming majority of wells at the site (214 of 218 analyzed, or 98 percent) were either nondetect, decreasing, or stable in trends for TPH-g (using the whole dataset). These observed trends are anticipated to continue declining as remedial progress continues in each respective area of the site. The exceptions to nondetect, decreasing, or stable trends were at GMW-29 (south-central area), GMW-O-18 (southeastern area), MW-15 (south-central area), and PZ-5 (southeastern area). An analysis of more recent data (post-2016 to present) of these four wells illustrates that two are stable (GMW-O-18 and PZ-5) and one has not been sampled recently (MW-15 in 2014, now decommissioned and replaced with MW-15R, which as of May 2021 is nondetect and a stable trend).

Only one well, GMW-29 (south-central area), indicates an increasing statistical Mann-Kendall trend based on the latest dataset in August 2021. This well was recently sampled after identifying the need (the well had not recently been sampled since 2016) last quarter, as well as per the letter in response to the Water Board's April 8, 2020, comments on the *Biosparging Effectiveness Evaluation and Recommendations, South-Central Area* (Jacobs, 2019a), where it was stated that several wells (GMW-29 and GMW-O-12) containing LNAPL would be sampled. GMW-29, as indicated in this quarter's groundwater technical memorandum (Appendix E), contained approximately 0.66 feet of LNAPL in August 2021. GMW-29 sampling resulted in 2,200 micrograms per liter ($\mu\text{g/L}$) of TPH-g in August 2021, a 97 percent reduction from its historical high (74,000 $\mu\text{g/L}$) in 2016.

Two additional wells which contained LNAPL (GMW-23), or sheen (GMW-O-12) were sampled in August 2021. GMW-O-12, similar to GMW-29, resulted in a significantly lower TPH-g value (5,300 $\mu\text{g/L}$) from its historical high (34,000 $\mu\text{g/L}$ in 2013), an 84 percent reduction. GMW-23, also resulted in a lower TPH-g value (19,000 $\mu\text{g/L}$) from its historical high (37,000 $\mu\text{g/L}$ in 2015), a 48.6 percent reduction. Both wells illustrate stable statistical trends. These reductions in TPH-g are likely due to phase changing of LNAPL via biosparging and SVE in this area. Once liquid LNAPL is volatilized over time which can significantly help reduce the mass, and in this case, subsequently reduce dissolved-phase concentrations.

In addition, following the baildown of LNAPL and sampling at GMW-23 in August 2021, gauging was continued throughout the quarter at this well, to assist in calculating transmissivity. Using the American Petroleum Institutes (API) transmissivity workbook (API, 2016), gauging data (depth to product, depth to water) were input to calculate an estimated transmissivity at the well. From the initial thickness measured in late August 2021

(5.62 feet of LNAPL), only 2.21 feet of LNAPL was present in the well as of late September 2021. GMW-23 remains at or below 0.01 square foot per day (ft^2/day), an order of magnitude below the effective LNAPL recovery metric established by the Interstate Technology Research Council (ITRC, 2018) of 0.1-0.8 ft^2/day . The API workbook and analysis for this well (GMW-23) is included in Appendix F.

5.2 Soil Vapor Monitoring Program

During the third quarter of 2021, soil vapor samples were collected from 14 probes using 1.4-liter Summa canisters, as indicated in Table 8. The samples were analyzed by the American Analytics laboratory for VOCs using EPA Method TO-15, TPH-g using EPA Method TO-3, and fixed gases (CO_2 , methane, and oxygen) using EPA Method 3CM. Included in the TO-15 list of analytes were BTEX, MTBE, naphthalene, tertiary butyl alcohol, 1,2-dichloroethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-butylbenzene, sec-butylbenzene, isopropylbenzene, n-propylbenzene, and 2-propanol (the leak test compound). These constituents were identified as contaminants of potential concern (COPCs) based on the results of the 2006 soil gas investigation and human health risk assessment (Geomatrix, 2006).

5.3 Soil Vapor Monitoring Results

Table 8 presents the analytical results for samples collected during the August 2021 sampling event. Laboratory analytical reports are included in Appendix A. A summary of results is provided below:

- During the third quarter 2021 sampling event, there were no onsite COPCs detected.
- The offsite probes SVM-5 (5-foot depth) and SVM-16 (22-foot depth) were the only probes with COPC detections. 1,2,4-trimethylbenzene and m,p-xylenes were detected in SVM-5 (5-foot depth) at 0.021 $\mu\text{g}/\text{L}$ and 0.024 $\mu\text{g}/\text{L}$, respectively. M,p-xylenes was detected at a concentration of 0.020 $\mu\text{g}/\text{L}$, in SVM-16 (22-foot depth). All COPCs were below EPA's residential regional screening level (RSL) in air (EPA, 2021), and the attenuation factor in HERO Note 2 for calculating Department of Toxic Substances Control (DTSC)-modified screening levels (DTSC, 2020).
- The leak test compound (2-propanol) was detected in SVM-2 (5-foot depth) at a concentration of 1.2 (J) $\mu\text{g}/\text{L}$, and in SVM-12 (7-foot depth) at a concentration of 0.41 (J) $\mu\text{g}/\text{L}$. The concentrations are less than 10 times the concentration of the laboratory reporting limit (0.2 $\mu\text{g}/\text{L}$). According to the DTSC Advisory (DTSC, 2015), if a leak test compound is detected at a concentration 10 times or greater than the laboratory reporting limit, then corrective actions are required to be taken in order to confirm ambient air breakthrough or leaks in the sampling train. Therefore, no corrective action was required or performed.
- Other detected compounds that were also detected during this sampling event included bromodichloromethane, chloroform, dichloromethane, tetrachloroethylene (PCE), and TPH-g. Almost all the detected non-COPC concentrations were below DTSC modified screening levels (DTSC, 2020), and EPA RSLs (EPA, 2021), or there are no established screening levels.
 - Only a few locations exceeded the current residential soil gas screening level, including; SVM-3-5 and SVM-3-15 (bromodichloromethane and chloroform), SVM-11-22 (tetrachloroethylene), SVM-14R-16 (chloroform), SVM-15-15 (dichloromethane)
- As indicated in previous versions of this report, VOCs detected in the shallow soil vapor still do not pose an unacceptable human health risk to residents (Jacobs, 2019c).

Soil gas sampling from up to 14 double- and/or triple-nested probes located across the site is performed quarterly. A recent review of the offsite/south-central soil vapor probe network (discussed in the *Review of the Offsite Soil Vapor Monitoring Probe Network* technical memorandum [Jacobs, 2020c]) found that probe locations are distributed evenly within the area's most likely to have the highest vapor concentrations (that is, the areas located directly above observed residual LNAPL and dissolved-phase impacts). In total, the probe locations

have greater than 90 percent nondetect values for TPH-g (C₄ to C₁₂) and other COPCs since data collection efforts began in 2012 (Jacobs, 2020c). However, during their review of that technical memorandum, the Water Board issued comments in a letter dated June 14, 2021, in which they identified a data gap in the vapor monitoring network in the offsite/residential area along Cheshire Street, and requested that Kinder Morgan submit a work plan for the installation of additional probes (Water Board, 2021b).

Two dual-nested soil vapor probes (SVM-26 and SVM-27) were installed September 29, 2021, south of the site, along the sidewalk adjacent to Cheshire Street (Figure 2). The probes were installed and completed per the *Work Plan for Offsite Soil Vapor Probe Installation* submitted to the Water Board and dated July 29, 2021 (Jacobs, 2021b). The two new soil vapor probes will be sampled during the fourth quarter 2021. Soil samples were also collected in accordance with the work plan. Analytical results are expected back approximately 10 days from submission (September 30, 2021). Those results will be summarized in the fourth quarter 2021 report. Approximately 15 gallons of equipment decontamination water and 30 gallons of soil cuttings were produced. These waste streams were drummed separately in two (2) new 55-gallon drums. These two drums were labeled "pending classification" and are currently staged within the secondary containment at the treatment system pad. The waste will be removed from the site promptly once the analytical results are complete and reviewed.

6. Observations, Planned Fourth Quarter Activities, and Path Forward

6.1 Primary Observations

The primary observations detailed in this report are summarized as follows:

- A sustained reduction in liquid mass recovery occurred both in terms of product (no product has been recovered at the site since 2017) and dissolved-phase mass removal (averaging less than 125 lb/year since 2016).
- Ongoing NSZD occurred under ambient conditions at rates of at least 1,400 gal/year (approximately 10,000 lb/year) in the south-central and southeastern areas.
 - Recently updated analysis of the helium diffusion data collected in October 2020 assisted in quantifying NSZD rates using the gradient method at a series of nested soil vapor monitoring locations. These data indicate NSZD rates range from 0 to 1,156 gal/acre/year in the south-central, offsite/south-central, and southeastern areas of the site at the soil vapor monitoring locations.
- The initial observation of BS-02 biosparging performance with initial mass removal rates of 300 lb/day has showed a steady decline in a similar trend as BS-01, currently at a mass removal rate of 10.5 lbs/day (similar to the transition point for BS-01, 10 lbs/day).
 - BS-02 has reached its practical NSZD transition point based on the available data collected to date. Jacobs recommends suspending remedial operations in the fourth quarter 2021 following quarterly sampling to transition to the NSZD data collection efforts under ambient conditions.
- HSVE-01 and BS-03 operation during the third quarter of 2021 have resulted in limited VOC detection in soil vapor points in the offsite/south-central area. Combined with the sustained radius of capture of at least 200 feet, observed system performance supports continued operation and optimization of BS-03 and HSVE-01 without adversely affecting surficial soil vapors or aboveground residential locations.
 - HSVE-01 has removed approximately 14,000 pounds of VOCs, averaging 63.2 lbs/day over the 95-day operation period during the third quarter of 2021. With biodegradation included, HSVE-01 has removed approximately 52,000 pounds of mass in this area.
- The stability of the groundwater dissolved-phase plume is based on individual well analysis, with the exception of one well that contained LNAPL during the most recent sampling event and was sampled (GMW-29). Based on the recent sampling result, this well has reduced 97 percent in TPH-g since 2016 and will continue to be monitored to demonstrate stability.
- The LNAPL present in GMW-23 has a transmissivity (0.01 ft²/day) an order of magnitude below the ITRC effective recoverability endpoint. Monitoring at this well will continue as it is still recovering to static fluid levels.
- Two new soil vapor probes were installed in the offsite/south-central and offsite/southeastern area of the site. These probes will be sampled in the fourth quarter 2021.

6.2 Planned Fourth Quarter 2021 Activities

The following maintenance activities and other tasks are planned for the fourth quarter of 2021:

- Conduct one quarterly soil vapor monitoring event and one quarterly groundwater monitoring event.
- Obtain approval to suspended BS-02 operations in the southeastern area, in preparation for phase III NSZD data collection efforts in November or December 2021.

- Conduct NSZD data collection event in November or December 2021.
- Continue to operate and optimize the offsite/south-central horizontal SVE well, HSVE-01, and horizontal biosparge well BS-03.
- Measure weekly VOC concentrations (as hexane) at the influent and effluent of the RTO system.
- Collect monthly vapor samples at the influent and effluent of the RTO system and analyze the samples for VOCs using EPA Methods TO-15, total VOCs as hexane using method TO-3, and fixed gases using method ASTM D1946.
- Perform weekly maintenance and monitoring of the offsite/south-central and southeastern SVE and biosparge systems.
- Measure quarterly individual well vapor concentrations with a PID at the manifold.

6.3 Recommendations and Path Forward

During the fourth quarter 2021, Kinder Morgan plans to continue remedial activities in the offsite/south-central area of the site with the operation of BS-03 and HSVE-01, along with the associated vertical SVE well network (if needed). Kinder Morgan plans to suspended operations at BS-02 and transition to phase III of the NSZD data collection efforts in November or December 2021. Continued evaluation of monitoring data for these remedial systems (BS-03 and HSVE-01) will be collected during the fourth quarter 2021 operations, with data collection slowly decreasing over time as these systems stabilize and achieve steady-state conditions. These data will be presented in the next quarterly remediation progress report.

With respect to the GWE system, both the TFE and GWE wells will remain offline across all three Kinder Morgan treatment areas until further notice, as described above.

The remediation activities and progress for the fourth quarter 2021 will be described in the Fourth Quarter 2021 Remediation Progress Report, to be submitted in January 2022.

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Tables

Table 1. Remediation Well Construction and Status

SFPP Norwalk Pump Station, Norwalk, California

Remediation Area	Remediation Well ID	Installation Date	Top of Well Casing Elevation	Well Screen Interval	Remediation Well Function	Well Operation Status During Third Quarter 2021	
			(feet msl)	(feet bgs)		SVE/BS	TFE/GWE
South-Central	MW-SF-1	6/18/1990	78.93	25 - 40	SVE	OFF	OFF
	MW-SF-2	6/18/1990	78.53	25 - 40	SVE; TFE	OFF	OFF
	MW-SF-3	6/18/1990	78.12	25 - 40	SVE; TFE	OFF	OFF
	MW-SF-4	6/19/1990	79.38	25 - 40	SVE	OFF	--
	MW-SF-5	9/19/1990	79.74	23 - 38	SVE	OFF	--
	MW-SF-6	9/19/1990	76.80	25 - 40	SVE; TFE	OFF	OFF
	MW-SF-9	6/15/1995	74.10	--	SVE	OFF	--
	MW-SF-10	9/23/2003	76.53	10 - 30	SVE	OFF	--
	MW-SF-11	6/19/2007	78.56	20 - 40	SVE; TFE	OFF	OFF
	MW-SF-12	6/18/2007	78.07	20 - 40	SVE; TFE	OFF	OFF
	MW-SF-13	6/19/2007	73.40	20 - 40	SVE; TFE	OFF	OFF
	MW-SF-14	6/21/2007	78.16	20 - 40	SVE; TFE	OFF	OFF
	MW-SF-15	6/21/2007	78.27	20 - 40	SVE; TFE	OFF	OFF
	MW-SF-16	6/20/2007	78.21	20 - 40	SVE; TFE	OFF	OFF
	MW-SF-17	--	--	--	SVE	OFF	--
	MW-18 (MID)	6/10/1991	75.67	50 - 60	SVE	OFF	--
	GMW-9	7/8/1991	77.16	20 - 50	SVE; TFE	OFF	OFF
	GMW-10	7/8/1991	N/A	25 - 50	SVE; TFE	OFF	OFF
	GMW-22	8/2/1991	77.24	25 - 60	SVE; TFE	OFF	OFF
	GMW-24	8/5/1991	77.48	25 - 60	SVE; TFE	OFF	OFF
	GMW-25	1/10/1992	78.14	20 - 50	SVE; TFE	OFF	OFF
	GWR-3	1/10/1992	77.60	20 - 50	SVE; TFE	OFF	OFF
	VEW-1	09/19/90	--	5 - 25	SVE	OFF	--
VEW-2	09/19/90	--	5 - 25	SVE	OFF	--	
BS-01	08/27/14	75.06	--	BIOSPARGE	OFF	--	
South-Central Offsite	MW-O-1	1/22/1991	75.48	25 - 40	SVE	OFF	--
	MW-O-2	1/23/1991	71.90	25 - 40	SVE; TFE	OFF	OFF
	GMW-O-11	5/20/1992	74.17	20 - 50	SVE; TFE	OFF	OFF
	GMW-O-12	5/21/1992	73.49	20 - 50	SVE	ON	--
	GMW-O-20	6/15/1995	73.32	--	SVE; TFE	OFF	OFF
	GMW-O-21	10/1/1997	71.43	26 - 46	TFE	--	OFF
	GMW-O-23	6/25/2007	73.63	20 - 40	SVE; TFE	OFF	OFF
	HSVE-01	12/17/2019	--	--	SVE	ON	--
	BS-03	12/13/2019	--	--	BIOSPARGE	ON	--
	HW-1	9/6/1992	--	--	SVE	Abandoned 2019	
	HW-2	9/6/1992	--	--	SVE	Abandoned 2019	

Table 1. Remediation Well Construction and Status

SFPP Norwalk Pump Station, Norwalk, California

Remediation Area	Remediation Well ID	Installation Date	Top of Well Casing Elevation	Well Screen Interval	Remediation Well Function	Well Operation Status During Third Quarter 2021	
			(feet msl)	(feet bgs)		SVE/BS	TFE/GWE
Southeastern	GMW-O-15	4/19/1994	74.23	20 - 50	SVE; TFE	ON	OFF
	GMW-O-16	4/19/1994	74.10	20 - 50	SVE	ON	--
	GMW-O-18	7/25/1994	74.36	21 - 40	SVE; TFE	ON	OFF
	GMW-O-19	7/29/1994	74.46	20 - 40	SVE	ON	--
	GMW-36	4/11/1994	76.66	20 - 50	SVE; TFE	ON	OFF
	GMW-SF-9	4/1/2003	73.05	37 - 46	TFE	--	OFF
	GMW-SF-10	4/2/2003	75.77	37 - 46	TFE	--	OFF
	MW-8	8/24/1990	76.06	18 - 48	SVE	ON	--
	VEW-3	3/7/2019	--	23 - 32.5	SVE	ON	--
	VEW-4	3/8/2019	--	23 - 32.5	SVE	ON	--
	VEW-5	3/8/2019	--	23 - 32.5	SVE	ON	--
	BS-02	11/21/17	--	--	BIOSPARGE	ON	--
West Side Barrier	BW-2	5/20/1996	73.57	27 - 47	GWE	--	OFF
	BW-3	5/17/1996	74.16	31 - 50	GWE	--	OFF
	BW-4	5/20/1996	74.61	28 - 47	GWE	--	OFF
	BW-5	5/23/1996	73.59	27 - 46	GWE	--	OFF
	BW-6	5/22/1996	73.48	28 - 47	GWE	--	OFF
	BW-7	5/22/1996	74.65	27 - 46	GWE	--	OFF
	BW-8	5/21/1996	75.08	27 - 46	GWE	--	OFF
	BW-9	5/21/1996	76.19	27 - 46	GWE	--	OFF

Notes:

-- = information not available or not applicable

bgs = below ground surface

BS = biosparge

GWE = groundwater extraction

HSVE = horizontal soil vapor extraction

msl = above mean sea level based on the National Geodetic Vertical Datum of 1929

SVE = soil vapor extraction

TFE = total fluids extraction

Table 2. Vapor Remediation System Operation Summary
SFPP Norwalk Pump Station, Norwalk, California

System Inspection Date	Cumulative Hours of Operation (hours)	Incremental Hours of Operation (hours)	Influent PID Reading (ppmv as hexane)	System Flow (scfm)	Header Vacuum (in. H ₂ O)	Mass Removed (pounds) ^a
1995 Totals	1,240		--	--	--	281,065
1996 Totals	7,208	5,968	--	--	--	516,717
1997 Totals	12,865	5,657	--	--	--	435,631
1998 Totals	17,877	5,012	--	--	--	276,950
1999 Totals	23,600	5,723	--	--	--	390,836
2000 Totals	29,690	6,090	--	--	--	359,092
2001 Totals	33,671	3,981	--	--	--	224,091
2002 Totals	36,358	2,687	--	--	--	79,363
2003 Totals	39,676	3,319	--	--	--	64,671
2004 Totals	44,193	4,517	--	--	--	120,240
2005 Totals	49,750	5,557	--	--	--	212,175
2006 Totals	52,735	2,985	--	--	--	17,263
2007 Totals	58,319	2,058	--	--	--	7,378
2008 Totals	64,233	5,915	--	--	--	5,878
2009 Totals	68,858	4,625	--	--	--	9,387
2010 Totals	72,369	3,511	--	--	--	1,502
2011 Totals	77,489	5,120	--	--	--	14,664
2012 Totals	84,173	6,684	--	--	--	22,260
2013 Totals	90,414	6,241	--	--	--	90,880
2014 Totals	94,083	3,688	--	--	--	67,744
2015 Totals	98,408	4,325	--	--	--	122,706
2016 Totals	104,405	7,694	--	--	--	156,193
2017 Totals	108,262	3,857	--	--	--	42,194
2018 Totals	115,346	7,084	--	--	--	38,999
2019 Totals	122,413	7,067	--	--	--	19,583
2020 Totals	127,703	1,675	--	--	--	32,070
1/1/2021	127,773	70	--	--	--	--
1/5/2021	127,872	99	252	1,411	50	425
1/12/2021	128,040	168	196	1,513	50	601
1/19/2021	128,210	170	146	1,559	50	467
1/26/2021	128,376	166	96	1,458	50	280
2/2/2021	128,543	167	116	1,508	50	352
2/9/2021	128,711	168	108	1,464	50	320
2/16/2021	128,878	167	146	1,435	50	422
2/23/2021	129,023	145	138	1,391	50	336
3/2/2021	129,164	141	134	1,319	50	301
3/9/2021	129,334	170	126	1,491	50	385
3/16/2021	129,501	167	108	1,354	50	295
3/23/2021	129,668	167	126	1,481	50	376
3/30/2021	129,835	167	108	1,604	50	349
First Quarter 2021 Total	129,835	2,132	--	--	--	4,908

Table 2. Vapor Remediation System Operation Summary

SFPP Norwalk Pump Station, Norwalk, California

System Inspection Date	Cumulative Hours of Operation (hours)	Incremental Hours of Operation (hours)	Influent PID Reading (ppmv as hexane)	System Flow (scfm)	Header Vacuum (in. H ₂ O)	Mass Removed (pounds) ^a
4/6/2021	130,004	169	184	1,609	50	447
4/13/2021	130,141	137	268	1,561	50	528
4/20/2021	130,306	165	402	1,483	56	703
4/29/2021	130,526	220	288	1,960	55	911
5/4/2021	130,647	121	448	1,602	56	1,047
5/11/2021	130,812	165	394	1,626	56	1,275
5/18/2021	130,978	166	318	1,835	55	1,168
5/25/2021	131,147	169	914	1,760	55	3,279
6/1/2021	131,314	167	1,314	1,479	55	3,914
6/8/2021	131,485	171	1,040	1,445	55	3,099
6/15/2021	131,651	166	498	1,799	55	1,046
6/22/2021	131,820	169	398	1,806	55	761
6/29/2021	131,987	167	210	1,797	55	367
Second Quarter 2021 Total	131,987	2,152	--	--	--	18,546
7/6/2021	132,152	165	336	1,644	55	671
7/13/2021	132,319	167	330	1,524	55	727
7/21/2021	132,511	192	284	1,688	55	797
7/27/2021	132,657	146	279	1,747	55	443
8/3/2021	132,824	167	214	1,700	55	318
8/12/2021	132,943	119	104	1,838	55	161
8/24/2021	133,023	80	62	1,794	55	63
8/31/2021	133,187	164	180	1,663	55	361
9/7/2021	133,354	167	68	1,671	55	141
9/14/2021	133,523	169	138	1,620	55	280
9/21/2021	133,693	170	246	1,603	55	497
9/30/2021	133,909	216	172	1,579	55	435
Third Quarter 2021 Total	133,909	1,922	--	--	--	4,894
Cumulative Totals	133,909	--	--	--	--	3,637,878

Notes:

^a The total mass removed is based on influent FID or PID readings, hours of operation, and flow rate.

-- = not applicable or not available

FID = flame ionization detector

in. H₂O = inches of water

PID = photoionization detector

ppmv = parts per million by volume

scfm = standard cubic feet per minute

TPH-g = total petroleum hydrocarbons quantified as gasoline (C₄ to C₁₂)

Table 3. Remediation Well Vapor Concentrations

SFPP Norwalk Pump Station, Norwalk, California

Remediation Area	Remediation Well ID	Remediation Well Function	June 15, 2021 (ppmv as Hexane) ^a	September 14, 2021 (ppmv as Hexane) ^a
South-Central	MW-SF-1	SVE	-- ^b	-- ^b
	MW-SF-2	SVE; TFE	-- ^b	-- ^b
	MW-SF-3	SVE; TFE	-- ^b	-- ^b
	MW-SF-4	SVE	-- ^b	-- ^b
	MW-SF-5	SVE	-- ^b	-- ^b
	MW-SF-6	SVE; TFE	-- ^b	-- ^b
	MW-SF-9	SVE	-- ^b	-- ^b
	MW-SF-10	SVE	-- ^b	-- ^b
	MW-SF-11	SVE; TFE	-- ^b	-- ^b
	MW-SF-12	SVE; TFE	-- ^b	-- ^b
	MW-SF-13	SVE; TFE	-- ^b	-- ^b
	MW-SF-14	SVE; TFE	-- ^b	-- ^b
	MW-SF-15	SVE; TFE	-- ^b	-- ^b
	MW-SF-16	SVE; TFE	-- ^b	-- ^b
	MW-SF-17	SVE; TFE	-- ^b	-- ^b
	MW-18 (MID)	SVE	-- ^b	-- ^b
	GMW-9	SVE; TFE	-- ^b	-- ^b
	GMW-10	SVE	-- ^b	-- ^b
	GMW-22	SVE; TFE	-- ^b	-- ^b
	GMW-24	SVE; TFE	-- ^b	-- ^b
	GMW-25	SVE; GWE	-- ^b	-- ^b
	GWR-3	SVE; GWE	-- ^b	-- ^b
VEW-1	SVE	-- ^b	-- ^b	
VEW-2	SVE	-- ^b	-- ^b	
South-Central Offsite	MW-O-1	SVE	-- ^b	-- ^b
	MW-O-2	SVE; TFE	-- ^b	-- ^b
	GMW-O-11	SVE; TFE	-- ^b	-- ^b
	GMW-O-12	SVE	212	-- ^b
	GMW-O-20	SVE; TFE	-- ^b	-- ^b
	GMW-O-23	SVE; TFE	-- ^b	-- ^b
	HW-1	SVE	Abandoned 2019	
	HW-2	SVE	Abandoned 2019	
	HSVE-01	SVE	268	192
Southeastern	GMW-36	SVE; TFE	395	46
	GMW-O-15	SVE; TFE		
	GMW-O-16	SVE		
	GMW-O-18	SVE; TFE		
	GMW-O-19	SVE		
	MW-8	SVE		
	VEW-3	SVE		
	VEW-4	SVE		
VEW-5	SVE			

Notes:

^a Vapor readings measured in the field with an Eagle 2 PID calibrated using 50 ppmv of hexane.

^b Vapor lines remained closed for the natural source zone depletion study.

-- = not applicable or not available

GWE = groundwater extraction

PID = photoionization detector

ppmv = parts per million by volume

SVE = soil vapor extraction

TFE = total fluids extraction

Table 4. Extracted Vapor Analytical Results^a
 SFPP Norwalk Pump Station, Norwalk, California

Date Sampled	ASTM D-1946			EPA TO-3		SCAQMD 25.1	EPA TO-15 (VOCs) ^b				
	Methane (%v)	Carbon Dioxide (%v)	Oxygen and Argon (%v)	TPH-g (ppmv)	TVOC (ppmv)	TGNMOC (ppmv)	Benzene (ppbv)	Ethyl-benzene (ppbv)	Toluene (ppbv)	Xylenes (ppbv)	MTBE (ppbv)
8/3/2007	<0.5	<0.5	22.0	63	---	---	650	220	1,100	1,420	55
9/5/2007	<0.5	<0.5	22.0	9	---	---	32	48	140	320	18
10/2/2007	<0.5	<0.5	21.9	27	---	---	250	75	430	610	20
11/2/2007	<0.5	<0.5	22.1	5	---	---	40	10	74	95	7
2/1/2008	<0.5	<0.5	21.8	100	---	---	830	260	2,200	1,850	<50
3/4/2008	<0.5	<0.5	21.7	50	---	---	380	98	570	1,250	36
4/8/2008	<0.5	<0.5	22.2	69	---	---	290	110	480	1,040	41
5/23/2008	<0.5	<0.5	21.8	14	---	---	180	24	190	280	23
6/3/2008	<0.5	<0.5	21.7	30	---	---	380	42	400	330	70
7/2/2008	<0.5	<0.5	21.4	49	---	---	32	6	34	45	10
8/19/2008	<0.5	1.7	20.8	50	---	---	390	63	230	450	40
9/5/2008	<0.5	2.0	21.2	22	---	---	130	39	130	340	42
10/7/2008	<0.5	1.43	21.4	10	---	---	41	15	54	181	6.8
11/4/2008	<0.5	2.08	21.1	7.5	---	---	31	47	190	242	<2.0
3/6/2009	<0.5	<0.5	22.0	83	---	---	1,900	180	990	770	240
4/17/2009	<0.5	<0.5	22.2	3.1	---	---	140	8	37	68	26
5/29/2009	<0.5	1.08	21.0	130	---	---	1,700	640	3,700	3,100	100
8/18/2009	<0.5	0.78	21.7	28	---	---	380	37	290	310	33
8/25/2009	<0.5	0.87	20.6	37	---	---	500	44	320	293	20
9/18/2009	<0.5	0.37	21.6	11	---	---	75	11	39	107	3
10/29/2009	<0.5	1.80	18.2	77	---	---	350	45	250	440	4
11/25/2009	<0.5	<0.5	21.1	14	---	---	110	12	110	164	11
12/15/2009	<0.5	<0.5	21.7	7	---	---	28	3	20	47	<3.2
2/26/2010	<0.5	0.4	21.2	20	---	---	300	18	220	260	21
3/26/2010	<0.5	1.0	20.2	18	---	---	380	20	110	90	5
5/4/2010	<0.5	0.4	21.4	13	---	---	100	42	170	222	3
6/29/2010	<0.5	0.4	21.3	9	---	---	74	13	66	82	<5.0
8/3/2010	<0.5	0.6	20.4	29	---	---	210	13	64	85	9
8/31/2010	0.0039 ^c	<0.5	21.4	11	---	---	72	12	66	87	8
9/14/2010	<0.5	<0.5	21.6	6	---	---	63	15	57	84	<3.2
11/2/2010	--	--	--	11	---	---	140	<10	31	28	<10
11/17/2010	0.00075	0.4	22.0	--	---	---	--	--	--	--	--
12/28/2010	0.0052	0.27	22.0	16	---	---	160	37	230	324	4.5
1/14/2011	0.016	0.20	22.0	68	---	---	340	34	89	183	<10
2/8/2011	0.026	0.24	21.0	210	---	---	3,000	1,700	11,000	7,400	110
3/29/2011	0.013	0.13	20.0	5	---	---	170	15	18	41.5	<2.5
4/26/2011	0.0011	0.079	20.0	1.9	---	---	16	2.4	8.8	7.7	<1.2
5/17/2011	0.021	0.65	22.0	90	---	---	2,600	140	2,200	1,100	220
6/17/2011	0.001	0.20	22.0	3	---	---	59	8.1	31	56	<0.25
7/19/2011	0.0056	0.49	22.0	80	---	---	1,800	130	2,200	1,000	<31
8/16/2011	0.0026	0.31	22.0	140	---	---	3,000	600	4,000	2,330	490
9/20/2011	--	--	--	100	---	---	2,100	740.0	2,700	2,040	660
11/22/2011	0.070	0.70	20.0	11	---	---	150	12.0	67	35	<5.0
12/20/2011	0.020	0.34	22.0	0	---	---	110	<25	260	216	<25
1/10/2012	0.010	0.66	20.0	11	---	---	150	14	86	160	<12
2/28/2012	0.0067	0.90	20.0	27	---	---	140	42	140	224	<25
3/13/2012	0.0044	0.71	20.0	27	---	---	440	38	450	241	<25
4/27/2012	0.0290	0.22	21.0	39	---	---	540	42	630	299	<25
5/22/2012	0.0100	0.31	20.0	65	---	---	590	350	770	2,070	<12
6/19/2012	0.0028	0.41	21.0	17	---	---	130	26	150	162	<12
7/27/2012	0.0059	0.40	21.0	13	---	---	46	<5	33	78	<5
8/30/2012	0.0049	0.56	21.0	69	---	---	150	<25	66	194	<25
9/25/2012	0.0073	0.80	21.0	57	---	---	190	19	120	283	<2.5
10/30/2012	0.0099	0.96	21.0	50	---	---	380	<50	230	130	<50
12/11/2012	0.0074	0.84	21.0	53	---	---	130	17	110	173	<5.0
1/29/2013	0.0028	0.29	22.0	1.4	---	---	8.7	<1.2	9.4	9.6	<1.2
2/12/2013	0.0057	0.88	21.0	60	---	---	500	<50	440	400	<50
3/19/2013	0.0058	0.80	21.0	77	---	---	560	66	490	520	<40

Table 4. Extracted Vapor Analytical Results^a
 SFPP Norwalk Pump Station, Norwalk, California

Date Sampled	ASTM D-1946			EPA TO-3		SCAQMD 25.1	EPA TO-15 (VOCs) ^b				
	Methane (%v)	Carbon Dioxide (%v)	Oxygen and Argon (%v)	TPH-g (ppmv)	TVOC (ppmv)	TGNMOC (ppmv)	Benzene (ppbv)	Ethyl-benzene (ppbv)	Toluene (ppbv)	Xylenes (ppbv)	MTBE (ppbv)
4/16/2013	0.0079	0.74	21.0	53	---	---	430	29	240	193	<25
5/14/2013	0.017	1.6	19	280	---	---	1,700	190	1,800	840	<12
6/28/2013	0.0068	<0.010	21	22	---	---	190	<25	130	131	<25
SVE system down for repair from July 16, 2013, to September 17, 2013.											
9/20/2013	0.014	1	21	590	---	---	4,200	520	3,600	2,830	<40
10/15/2013	0.011	0.68	21	410	---	---	3,500	360	2,800	1,970	<20
11/12/2013	0.012	0.66	21	430	---	---	2,900	440	2,600	1,930	<15
12/10/2013	0.013	0.92	21	910	---	---	8,400	920	7,200	5,500	<50
1/17/2014	0.0077	0.57	21	350	---	---	6,600	6,800	8,200	23,300	3,000
2/11/2014	0.011	0.60	21	640	---	---	6,600	570	6,000	3,800	<100
3/21/2014	0.0050	0.40	21	390	---	---	4,500	290	4,000	1,930	<50
4/21/2014	0.011	0.65	21	700	---	---	6,900	370	6,900	3,400	<40
SVE system down for repair from April 29, 2014, to May 13, 2014.											
5/27/2014	0.011	0.56	21	530	---	---	6,600	570	8,900	3,820	<50
6/13/2014	0.0076	0.49	21	780	---	---	10,000	1,200	15,000	7,100	<80
SVE system down for repair and permit modification from July 1, 2014, to March 27, 2015.											
3/31/2015	0.090	1.3	20	1,400	---	1,300	12,000	1,000	11,000	7,400	<200
4/7/2015	0.014	0.56	21	---	---	710	8,200	8,200	610	3,260	<160
5/5/2015	---	---	---	---	---	760	6,100	1,100	9,600	7,200	<140
6/30/2015	0.0065	0.37	21	---	---	270	3,100	380	3,800	2,820	<160
7/14/2015	0.0094	0.62	21	---	---	650	7,000	950	7,900	6,100	<200
8/4/2015	0.0053	0.49	21	---	---	560	6,200	710	7,700	4,800	<0.097
8/17/2015 ^c	---	---	---	---	---	470	4,800	500	5,400	3,600	<0.099
8/17/2015 ^c	---	---	---	---	---	470	5,000	520	5,800	3,870	<0.100
8/17/2015 ^c	---	---	---	---	---	480	5,100	580	6,100	4,000	<0.097
8/17/2015 ^c	---	---	---	---	---	480	5,200	580	6,300	4,100	<0.099
9/1/2015 ^c	---	---	---	---	---	670	7,000	850	8,700	6,900	<0.097
9/1/2015 ^c	---	---	---	---	---	930	12,000	1,500	14,000	11,400	<0.140
9/1/2015 ^c	---	---	---	---	---	890	12,000	2,300	20,000	14,300	<0.140
10/6/2015	0.0067	0.43	21	---	---	960	14,000	3,100	25,000	15,900	<200
11/10/2015	0.0028	0.30	21	---	860	---	9,100	1,800	15,000	9,400	<97
12/10/2015	0.004	0.41	21	---	580	---	6,400	1,200	10,000	7,600	<120
1/4/2016 ^c	0.0059	0.27	22	---	750	---	9,600	2,400	20,000	13,500	<220
2/4/2016 ^c	0.0038	0.58	21	---	2,000	---	16,000	2,600	29,000	19,300	<610
3/3/2016 ^c	0.004	0.64	21	---	1,200	---	11,000	3,000	27,000	27,500	<130
4/5/2016	0.033	0.49	21	---	400	---	3,900	5,500	7,300	4,600	<63
5/13/2016	0.0034	0.50	21	---	290	---	2,200	300	4,300	810	<23
6/7/2016	0.0065	0.32	21	---	150	---	1,000	25 J	1,100	117 J	<36
7/7/2016	0.014	0.48	21	---	170	---	1,000	220	2,500	1,630	<51
8/2/2016	0.0047	0.54	21	---	260	---	1,900	720	5,000	7,400	<22
9/7/2016	0.0066	0.53	21	---	250	---	1,600	680	3,800	5,000	<21
10/13/2016	0.0096	0.67	21	---	250	---	2,700	680	3,800	5,200	<36
11/1/2016	0.0025	0.62	21	---	260	---	1,600	540	3,800	4,600	<40
SVE system was offline for installation of new RTO from November 1, 2016, to June 6, 2017.											
6/7/2017	0.029	1.1	21	--	190	--	960	220	1,200	1,170	<42
7/13/2017	0.055	1.3	20	---	550	---	6,800	1,100	6,600	9,900	<44
8/3/2017	0.013	0.85	21	---	340	--	4,200	750	5,600	7,500	<110
9/12/2017	0.0079	0.89	21	--	290	---	3,000	530	4,600	5,500	510
10/13/2017	0.0091	0.85	21	---	280	--	3,400	540	4,100	5,500	830
11/10/2017	0.0064	0.87	21	---	230	---	3,200	320	2,400	3,050	<84
12/8/2017	0.0040	0.77	21	---	250	---	3,600	350	3,000	3,700	<81
1/4/2018	0.0047	0.72	21	--	230	--	3,900	440	3,100	4,000	970
2/6/2018	0.0042	0.42	22	--	27	--	140	23	150	310	<5.1
3/13/2018	0.0038	0.74	21	--	79	--	680	110	460	1,150	<11
4/15/2018	0.0034	0.49	22	--	33	--	460	53	280	400	<2.0
5/11/2018	0.0046	0.72	21	--	64	--	660	74	410	850	<11
6/7/2018	0.0031	0.65	21	--	58	--	570	83	320	504	<9.7
7/3/2018	0.0063	0.78	21	--	210	--	4,700	570	2,700	3,940	1,100

Table 4. Extracted Vapor Analytical Results^a
 SFPP Norwalk Pump Station, Norwalk, California

Date Sampled	ASTM D-1946			EPA TO-3		SCAQMD 25.1	EPA TO-15 (VOCs) ^b				
	Methane (%v)	Carbon Dioxide (%v)	Oxygen and Argon (%v)	TPH-g (ppmv)	TVOC (ppmv)	TGNMOC (ppmv)	Benzene (ppbv)	Ethyl-benzene (ppbv)	Toluene (ppbv)	Xylenes (ppbv)	MTBE (ppbv)
8/2/2018	0.0048	0.69	22	--	160	--	3,000	320	2,300	2,380	<40
9/6/2018	0.0044	0.81	21	--	190	--	3,900	550	4,000	5,000	<42
10/5/2018	0.0034	0.85	22	--	180	--	1,200	180	1,400	1,850	<42
11/20/2018	0.0088	0.80	21	--	150	--	1,200	270	1,100	1,290	<11
12/7/2018	0.0038	0.75	22	--	190	--	1,700	360	2,100	2,140	<20
1/11/2019	0.0061	1.5	19	--	46	--	190	25	160	350	<11
2/7/2019	0.0023	0.82	21	--	74	--	240	67	280	990	<10
3/12/2019	<0.0034	0.58	22	--	31	--	110	31	130	570	<4.9
4/4/2019	0.0044	0.80	21	--	160	--	2,400	400	2,000	2,730	550
5/7/2019	0.023	0.78	21	--	120	--	1,900	330	1,500	2,520	410
6/4/2019	0.0037	0.64	21	--	110	--	1,000	260	880	1,550	<19
7/9/2019	0.036	0.64	21	--	99	--	860	190	820	1,210	400
8/18/2019	0.0037	0.64	21	--	97	--	850	220	940	1,630	230
9/12/2019	0.0019	0.0084	22	--	58 ^c	--	640 ^c	78 ^c	520 ^c	880 ^c	200 ^c
10/4/2019	0.0037	0.64	21	--	17	--	61	21	67	470	<3.6
11/7/2019	0.0067	0.67	21	--	19	--	66	26	56	480	<2.0
12/12/2019	0.023	1.1	20	--	30	--	220	23	100	158	140
January-20	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d
2/14/2020	0.0360	1.1	21	--	17	--	63	7.7	12	480	<5.0
3/1/2020	0.0039	0.68	21	--	23	--	75	19	33	263	<2.8
April-20	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d	-- ^d
5/21/2020	0.017	0.020	21	--	420	--	2,800	190	4,800	1,720	<40
6/2/2020	0.011	0.93	21	--	260	--	2,500	180	3,100	1,480	<40
7/2/2020	0.0088	1.4	21	--	180	--	1,200	130	1,200	1,470	930
8/1/2020	0.0058	0.90	21	--	250	--	1,300	1,000	4,500	9,100	770
9/1/2020	0.011	0.87	21	--	150	--	490	270	2,300	3,310	650
10/1/2020	0.015	0.82	21	--	93	--	320	200	1,700	2,790	470
11/1/2020	0.0084	1.1	21	--	130	--	560	340	2,300	3,440	540
12/4/2020	<0.0024	0.20	22	--	1.6	--	22	2.9	26	35	5.9
1/12/2021	<0.0024	0.60	21	--	54	--	280	120	510	1,720	220
2/2/2021	<0.0024	0.52	22	--	42	--	260	140	850	1,800	190
3/1/2021	<0.0027	0.80	21	--	58	--	470	100	970	2,280	170
4/1/2021	<0.0040	0.44	21	--	30	--	240	65	640	590	130
5/1/2021	<0.0025	1.2	21	--	160	--	520	560	2,100	3,410	<25
6/1/2021	<0.0024	1.2	21	--	320	--	1,400	970	2,900	3,540	<30
7/1/2021	<0.0024	0.73	21	--	110	--	800	520	1,400	1,900	<12
8/3/2021	<0.0025	1.0	21	--	100	--	850	380	1,700	2,390	<17
9/2/2021	<0.0025	0.94	21	--	74	--	490	300	940	2,210	<8

Notes:

^a Influent vapor samples were collected from the manifold conveying soil vapors extracted from the south-central and southeastern areas.

^b Other detected VOCs are included in the laboratory analytical reports in Appendix A.

^c Influent vapor samples were collected after dilution before entering the SVE combustion chamber.

^d System was off for entire month.

J = Resulting analyte concentration is between the reporting limit and the method detection limit

<0.5 = not detected at or above the laboratory reporting limit shown

EPA = U.S. Environmental Protection Agency

ASTM = ASTM International

%v = percent by volume

-- = not applicable

MTBE = methyl tertiary butyl ether

ppbv = parts per billion by volume

ppmv = parts per million by volume

RTO = regenerative thermal oxidizer

SCAQMD = South Coast Air Quality Management District

SVE = soil vapor extraction

TGNMOC = total gaseous nonmethane organic carbon

TPH-g = total petroleum hydrocarbons quantified as gasoline (C4-C12)

TVOC = total volatile organic compound

VOC = volatile organic compound

Table 5. Groundwater Remediation System Operation Summary
SFPP Norwalk Pump Station, Norwalk, California

System Inspection Date	Groundwater Removed from South-Central and Southeastern Areas (gallons)	Groundwater Removed from West Side Barrier Area (gallons)	Total Groundwater Removed (gallons)	Influent TPH-Total Concentration (µg/L)	Estimated Hydrocarbon Mass Removed from South-Central, Southeastern, and West Side Barrier Areas (pounds) ^a	Product Recovery (pounds)	Product Recovery (gallons)
1996 Totals	1,802,103	0	1,802,103	--	273	36,098	4,995
1997 Totals	7,031,533	0	7,031,533	--		15,928	2,204
1998 Totals	4,064,700	0	4,064,700	--		6,186	856
1999 Totals	3,891,600	2,338,129	6,229,729	--	385	3,252	450
2000 Totals	2,290,580	2,454,971	4,745,551	--	295	1,662	230
2001 Totals	1,401,473	1,131,700	2,533,173	--	229	0	0
2002 Totals	1,452,229	2,931,167	4,383,396	--	110	0	0
2003 Totals	1,607,095	2,281,956	3,889,051	--	65	72	10
2004 Totals	1,695,361	3,854,470	5,549,831	--	229	0	0
2005 Totals	1,537,925	4,244,674	5,782,599	--	273	0	0
2006 Totals	1,699,567	5,089,615	6,789,182	--	684	600	83
2007 Totals	3,368,481	2,167,724	5,536,205	--		643	89
2008 Totals ^b	4,283,026	405,954	4,688,980	--	520	0	0
2009 Totals	2,309,627	0	2,309,627	--	105	0	0
2010 Totals ^c	3,342,227	2,292	3,344,519	--	363	0	0
2011 Totals	5,530,317	0	5,530,317	--	585	0	0
2012 Totals	7,368,318	0	7,368,318	--	699	0	0
2013 Totals	6,439,733	0	6,439,733	--	568	14	2.0
2014 Totals	3,410,427	0	3,410,427	--	2,236	16,875	2,335
2015 Totals	4,817,906	0	4,817,906	--	5,959	21,162	2,928
2016 Totals	2,428,279	0	2,428,279	--	4,506	1,749	242
2017 Totals	3,858,644	0	3,858,644	--	325	14	2.0
2018 Totals	2,854,384	0	2,854,384	--	37	0	0
2019 Totals	2,326,626	0	2,326,626	--	9.27	0	0
2020 Totals ^d	1,078,986	0	1,078,986	--	8.12	0	0

Table 5. Groundwater Remediation System Operation Summary
SFPP Norwalk Pump Station, Norwalk, California

System Inspection Date	Groundwater Removed from South-Central and Southeastern Areas (gallons)	Groundwater Removed from West Side Barrier Area (gallons)	Total Groundwater Removed (gallons)	Influent TPH-Total Concentration (µg/L)	Estimated Hydrocarbon Mass Removed from South-Central, Southeastern, and West Side Barrier Areas (pounds) ^a	Product Recovery (pounds)	Product Recovery (gallons)
First Quarter 2021 Total	405,432	0	405,432	--	4,558	0	0
Second Quarter 2021 Total	0	GWTS is offline, last date of groundwater extraction was February 23, 2021				0	0
Third Quarter 2021 Total	0	GWTS is offline, last date of groundwater extraction was February 23, 2021				0	0
Cumulative Totals	82,296,579	26,902,652	109,199,231	--	18,470	104,256	14,426

Notes:

^a Estimated hydrocarbon mass removed (pounds) between 1996 and 2005 is based on concentrations of dissolved BTEX and MTBE in the groundwater influent and volume of groundwater extracted. Estimated hydrocarbon mass removed (pounds) between 2006 and 2011 is based on concentrations of TPH-g and TPH-fp in the groundwater influent and volume of groundwater extracted. Estimated hydrocarbon mass removed (pounds) between 2012 and 2015 is based on concentrations of dissolved TPH-total in the groundwater influent and volume of extracted groundwater.

^b Groundwater removal in the West Side Barrier area was discontinued in August 2008.

^c Groundwater extraction from West Side Barrier area wells BW-3 and BW-6 was resumed on May 14, 2010, to evaluate the efficacy of blending water with lower selenium concentrations from these wells with groundwater extracted from the south-central and southeastern areas. Groundwater removal from the West Side Barrier area was discontinued again on June 22, 2010.

^d Groundwater treatment system was operated briefly on April 1, 14, and 15, 2020, for necessary maintenance purposes.

-- = not applicable

µg/L = micrograms per liter

BTEX = benzene, toluene, ethylbenzene, and xylenes

MTBE = methyl tertiary butyl ether

TPH-d = total petroleum hydrocarbons quantified as diesel (C13-C22)

TPH-fp = total petroleum hydrocarbons quantified as fuel product (C7-C28)

TPH-g = total petroleum hydrocarbons quantified as gasoline (C4-C12)

TPH-o = total petroleum hydrocarbons quantified as oil (C23-C36)

TPH-total = total petroleum hydrocarbons quantified as gasoline, diesel, and oil (C4-C36)

Product Density: 0.866 g/cm³ - Jacobs 2019aa - Biosparging Effectiveness Evaluation and Recommendations, South-Central Area (Report)

1 g/cm³ = 8.345 lb/gal

Table 6. Extracted Groundwater Analytical Results^a

SFPP Norwalk Pump Station, Norwalk, California

Date Sampled	EPA 8015M					EPA 8260B Volatile Organic Compounds (VOCs) ^b								
	TPH-g (µg/L)	TPH-d (µg/L)	TPH-o (µg/L)	TPH-total (µg/L)	TPH-fp (µg/L)	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
3/6/1996	--	--	--	--	--	2,600	790	7,200	9,100	---	--	--	--	--
7/23/1998	--	--	--	--	--	750	<10	360	300	---	--	--	--	--
8/27/1998	--	--	--	--	--	1,000	71	530	800	---	--	--	--	--
10/1/1998	--	--	--	--	--	1,200	<10	1,400	1,680	---	--	--	--	--
11/19/1998	--	--	--	--	--	1,600	140	2,600	2,900	---	--	--	--	--
12/17/1998	--	--	--	--	--	4,500	380	4,500	3,900	---	--	--	--	--
1/28/1999	--	--	--	--	--	520	79	660	840	---	--	--	--	--
3/25/1999	--	--	--	--	--	540	160	1,800	4,100	---	--	--	--	--
4/2/1999	--	--	--	--	--	620	76	520	1,200	---	--	--	--	--
4/15/1999	--	--	--	--	--	1,400	99	800	1,480	---	--	--	--	--
5/6/1999	--	--	--	--	--	1,340	180	1,240	1,730	---	--	--	--	--
6/3/1999	--	--	--	--	--	3,410	343	2,240	2,770	---	--	--	--	--
8/5/1999	--	--	--	--	--	3,200	780	5,400	5,200	---	--	--	--	--
9/23/1999	--	--	--	--	--	2,700	130	1,200	720	---	--	--	--	--
9/30/1999	--	--	--	--	--	1,300	77	480	560	---	--	--	--	--
10/13/1999	--	--	--	--	--	1,400	100	660	720	---	--	--	--	--
11/4/1999	--	--	--	--	--	3,000	500	5,600	4,500	---	--	--	--	--
12/9/1999	--	--	--	--	--	4,500	280	1,400	1,480	---	--	--	--	--
1/13/2000	--	--	--	--	--	9,000	7,600	14,000	44,000	---	--	--	--	--
2/11/2000	--	--	--	--	--	2,300	<100	1,200	1,240	3,100	--	--	--	--
3/10/2000	--	--	--	--	--	380	20	110	430	740	--	--	--	--
4/13/2000	--	--	--	--	--	1,300	550	450	920	970	--	--	--	--
6/2/2000	--	--	--	--	--	840	56	240	980	920	--	--	--	--
6/15/2000	--	--	--	--	--	1,600	82	900	990	2,700	--	--	--	--
8/3/2000	--	--	--	--	--	1,900	410	3,500	4,400	2,700	--	--	--	--
8/28/2000	--	--	--	--	--	620	33	200	380	1,800	--	--	--	--
9/20/2000	--	--	--	--	--	460	<20	73	255	1,300	--	--	--	--
10/25/2000	--	--	--	--	--	20	<20	<20	216	6,700	--	--	--	--
11/15/2000	--	--	--	--	--	560	24	210	490	3,700	--	--	--	--
3/22/2001	--	--	--	--	--	3,800	360	3,900	3,160	5,500	--	--	--	--
4/30/2001	--	--	--	--	--	4,100	710	5,800	5,600	8,300	--	--	--	--
5/23/2001	--	--	--	--	--	3,400	160	1,100	1,070	3,900	--	--	--	--
6/22/2001	--	--	--	--	--	1,700	85	680	680	2,200	--	--	--	--
7/16/2001	--	--	--	--	--	2,300	130	1,100	1,350	2,100	--	--	--	--
9/5/2001	--	--	--	--	--	1,500	170	1,200	1,890	1,100	--	--	--	--
1/23/2002	--	--	--	--	--	<0.5	<1	<1	<2	2	--	--	--	--
2/28/2002	--	--	--	--	--	<0.5	<1	<1	<2	96	--	--	--	--
3/25/2002	--	--	--	--	--	<0.5	<1	<1	<2	87	--	--	--	--

Table 6. Extracted Groundwater Analytical Results^a
 SFPP Norwalk Pump Station, Norwalk, California

Date Sampled	EPA 8015M					EPA 8260B Volatile Organic Compounds (VOCs) ^b									
	TPH-g (µg/L)	TPH-d (µg/L)	TPH-o (µg/L)	TPH-total (µg/L)	TPH-fp (µg/L)	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
5/1/2002	--	--	--	--	--	1,900	31	190	480	1,100	--	--	--	--	
5/17/2002	--	--	--	--	--	1,400	50	180	970	1,000	--	--	--	--	
6/4/2002	--	--	--	--	--	2,700	57	280	530	1,300	--	--	--	--	
7/18/2002	--	--	--	--	--	3,800	66	530	1,160	330	--	--	--	--	
8/8/2002	--	--	--	--	--	4,800	49	610	1,290	460	--	--	--	--	
9/3/2002	--	--	--	--	--	260	<5	5	71	600	--	--	--	--	
10/18/2002	--	--	--	--	--	1,200	70	490	820	570	--	--	--	--	
11/26/2002	--	--	--	--	--	1,300	68	130	590	860	--	--	--	--	
12/27/2002	--	--	--	--	--	1	<1	<1	<2	58	--	--	--	--	
1/30/2003	--	--	--	--	--	<0.5	<1	<1	<2	37	--	--	--	--	
2/26/2003	--	--	--	--	--	4	<1	<1	4	140	--	--	--	--	
3/17/2003	--	--	--	--	--	2,800	23	170	480	570	--	--	--	--	
4/30/2003	--	--	--	--	--	3,700	350	2,200	4,600	490	--	--	--	--	
6/13/2003	--	--	--	--	--	1,200	17	120	510	740	--	--	--	--	
6/19/2003	--	--	--	--	--	680	<10	35	239	680	--	--	--	--	
7/3/2003	--	--	--	--	--	2,600	160	610	2,290	450	--	--	--	--	
7/25/2003	--	--	--	--	--	300	6	3	39	230	--	--	--	--	
8/20/2003	--	--	--	--	--	830	19	130	350	290	--	--	--	--	
9/11/2003	--	--	--	--	--	270	<10	<10	46	420	--	--	--	--	
10/16/2003	--	--	--	--	--	380	<10	<10	121	490	--	--	--	--	
11/17/2003	--	--	--	--	--	93	6	22	106	200	--	--	--	--	
12/19/2003	--	--	--	--	--	300	27	110	1,010	62	--	--	--	--	
1/30/2004	--	--	--	--	--	700	140	740	1,740	22	--	--	--	--	
2/17/2004	--	--	--	--	--	300	47	440	1,150	19	--	--	--	--	
3/8/2004	--	--	--	--	--	52	<5.0	10	149	23	--	--	--	--	
3/21/2004	--	--	--	--	--	420	11	29	318	120	--	--	--	--	
6/28/2004	--	--	--	--	--	740	26	46	337	81	--	--	--	--	
7/30/2004	--	--	--	--	--	660	18	68	280	87	--	--	--	--	
8/27/2004	--	--	--	--	--	1,500	47	140	530	77	--	--	--	--	
9/28/2004	--	--	--	--	--	400	10	32	252	64	--	--	--	--	
10/15/2004	--	--	--	--	--	950	31	130	316	64	--	--	--	--	
11/12/2004	--	--	--	--	--	2,100	1,500	390	15,800	3,000	--	--	--	--	
12/10/2004	--	--	--	--	--	700	320	1,100	3,900	110	--	--	--	--	
1/28/2005	--	--	--	--	--	460	140	520	2,260	610	--	--	--	--	
2/25/2005	--	--	--	--	--	5,700	200	650	1,560	1,300	--	--	--	--	
3/22/2005	--	--	--	--	--	<5	<10	<10	26	1,000	--	--	--	--	
4/21/2005	--	--	--	--	--	680	8	21	108	420	--	--	--	--	
5/20/2005	--	--	--	--	--	6	<5	9	50	<5	--	--	--	--	

Table 6. Extracted Groundwater Analytical Results^a
 SFPP Norwalk Pump Station, Norwalk, California

Date Sampled	EPA 8015M					EPA 8260B Volatile Organic Compounds (VOCs) ^b									
	TPH-g (µg/L)	TPH-d (µg/L)	TPH-o (µg/L)	TPH-total (µg/L)	TPH-fp (µg/L)	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
6/28/2005	--	--	--	--	--	450	80	690	1,030	1,600	--	--	--	--	
7/27/2005	--	--	--	--	--	2,000	170	1,700	5,000	1,200	--	--	--	--	
8/31/2005	--	--	--	--	--	660	34	320	670	220	--	--	--	--	
9/28/2005	--	--	--	--	--	1,800	310	2,800	4,700	360	--	--	--	--	
10/26/2005	--	--	--	--	--	940	330	1,800	3,600	530	--	--	--	--	
11/30/2005	--	--	--	--	--	900	170	900	2,790	760	--	--	--	--	
12/20/2005	--	--	--	--	--	2,500	350	2,600	4,100	2,300	--	--	--	--	
7/11/2007	--	--	--	--	--	4,800	130	890	1,040	690	--	--	--	--	
8/7/2007	14,000	--	--	--	11,000	5,400	140	1,100	770	540	--	--	--	--	
9/25/2007	12,000	--	--	--	30,000	3,400	310	1,600	2,390	540	--	--	--	--	
10/16/2007	8,900	--	--	--	8,400	3,400	94	520	660	390	--	--	--	--	
11/2/2007	44,000	--	--	--	6,500	3,200	130	860	1,160	570	--	--	--	--	
11/30/2007	6,000	--	--	--	5,200	1,800	48	170	490	450	--	--	--	--	
12/21/2007	7,200	--	--	--	4,200	2,100	41	170	430	750	--	--	--	--	
1/4/2008	4,300	--	--	--	7,200	3,300	49	300	540	620	--	--	--	--	
1/18/2008	11,000	--	--	--	2,200	3,600	140	650	850	620	--	--	--	--	
2/1/2008	8,700	--	--	--	5,700	3,600	100	440	930	560	--	--	--	--	
3/4/2008	7,200	--	--	--	4,900	3,900	120	510	770	620	--	--	--	--	
4/8/2008	8,100	--	--	--	10,000	2,800	96	280	580	640	--	--	--	--	
5/6/2008	5,300	--	--	--	2,800	2,900	76	190	328	430	--	--	--	--	
6/3/2008	8,400	--	--	--	6,800	3,700	110	450	480	320	--	--	--	--	
7/2/2008	9,200	--	--	--	4,300 ^c	4,500	75	620	650	400	--	--	--	--	
8/19/2008	4,000	--	--	--	6,600	2,600	57	76	215	450	--	--	--	--	
9/5/2008	160	--	--	--	<500	<12	<25	<25	<25	<25	--	--	--	--	
10/7/2008	<100	--	--	--	<500	0.36 J	<1.0	<1.0	1.59	1.7	--	--	--	--	
11/4/2008	12,000	--	--	--	660,000	2,500	140	220	760	160	--	--	--	--	
12/4/2008	1,300	--	--	--	1,500	600	8.2	28	73	130	--	--	--	--	
1/6/2009	1,500	--	--	--	980	560	23	41	110	320	--	--	--	--	
3/6/2009	2,500	--	--	--	1,500	1,100	33	51	114	65	--	--	--	--	
4/7/2009	3,100	--	--	--	6,900	1,100	36	230	207	210	--	--	--	--	
5/13/2009	690	--	--	--	1,500	120	3.2	14	60	24	--	--	--	--	
6/12/2009	150	--	--	--	<500	<0.50	<1.0	<1.0	0.71 J	44	--	--	--	--	
7/10/2009	4,500	--	--	--	560	1,500	41	68	175	150	--	--	--	--	
8/4/2009	2,000	--	--	--	1,000	1,200	16	18	64	100	--	--	--	--	
9/1/2009	4,800	--	--	--	3,500	380	45	25	328	5.4 J	--	--	--	--	
10/6/2009	3,900	--	--	--	4,600	3,200	21	15	35	82	--	--	--	--	
10/27/2009	1,000	--	--	--	<500	520	4	15	10	180	--	--	--	--	
11/3/2009	120	--	--	--	<500	2	0.55 J	0.61 J	3	40	--	--	--	--	

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SFPP Norwalk Pump Station, Norwalk, California

Date Sampled	EPA 8015M					EPA 8260B Volatile Organic Compounds (VOCs) ^b									
	TPH-g (µg/L)	TPH-d (µg/L)	TPH-o (µg/L)	TPH-total (µg/L)	TPH-fp (µg/L)	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
11/25/2009	5,700	--	--	--	4,000	3,100	26	13	48	88	--	--	--	--	
2/16/2010	8,000	--	--	--	5,900	4,700	110	1,300	800	1,800	--	--	--	--	
3/9/2010	7,000	--	--	--	5,900	6,600	110	460	550	410	--	--	--	--	
4/20/2010	10,000	--	--	--	11,000	6,000	44	230	174	130	--	--	--	--	
5/14/2010	8,500	--	--	--	2,100	3,600	67	380	400	210	--	--	--	--	
6/25/2010	4,600	--	--	--	2,600	2,200	61	540	380	170	--	--	--	--	
7/20/2010	21,000	--	--	--	21,000	3,400	370	3,000	2,550	2,300	--	--	--	--	
8/3/2010	3,400	--	--	--	1,500	1,400	17	140	161	390	--	--	--	--	
8/10/2010	5,800	--	--	--	3,400	2,600	40	190	169	140	--	--	--	--	
9/14/2010	9,400	--	--	--	10,000	4,900	170	1,100	1,340	380	--	--	--	--	
10/12/2010	5,700	--	--	--	1,000	2,200	43	140	138	120	--	--	--	--	
11/16/2010	1,100	--	--	--	1,600	290	4	15	78	84	--	--	--	--	
12/14/2010	7,100	--	--	--	3,200	2,600	76	200	315	340	--	--	--	--	
1/14/2011	7,400	--	--	--	3,500	3,700	56	110	220	280	--	--	--	--	
2/8/2011	5,600	--	--	--	3,500	2,400	43	110	190	420	--	--	--	--	
3/25/2011	3,100	--	--	--	1,200	1,300	51	92	200	300	--	--	--	--	
4/26/2011	1,400	--	--	--	1,200	610	5.8	5.7	20	130	--	--	--	--	
5/17/2011	3,300	--	--	--	1,700	3,600	82	180	300	240	--	--	--	--	
6/21/2011	1,200	--	--	--	720	860	9.6	31	82	190	2,200	6.6	<0.07	<0.1	
7/27/2011	14,000	10,000	44J	--	-- ^d	2,800	150	490	2,100	350	2,800	27	<0.07	<0.1	
8/26/2011	7,400	--	--	--	57,000	1,400	120	480	1,300	270	1,600	16	<0.07	<0.1	
9/23/2011	6,400	--	--	--	2,800	2,800	83.0	160	340	300	1,300	22	<0.07	<0.1	
10/25/2011	6,000	--	--	--	2,300	3,000	52	93	200	200	970	20	<0.70	<1.0	
11/22/2011	5,900	--	--	--	2,000	3,600	62	140	240	300	2,900	26	<0.07	<0.1	
12/20/2011	780	--	--	--	2,000	330	8	14	43	160	1,000	18	<0.07	<0.1	
1/10/2012	5,300	--	--	--	1,900	3,400	36	70	170	200	960	26	<0.07	<0.1	
2/21/2012	4,900	--	--	--	<13	3,400	19	16	48	120	2,200	21	<0.07	<0.1	
3/13/2012	6,100	--	--	--	2,100	2,900	43	79	180	120	1,600	23	<0.07	<0.1	
4/27/2012	5,100	--	--	--	2,200	3,800	49	61	150	150	500	38	<0.13	<0.12	
5/22/2012	6,800	--	--	--	31,000	2,800	49	140	262	150	690	30	<0.13	<0.12	
6/19/2012	5,300	--	--	--	36,000	3,200	45	230	200	220	2,800	33	<0.13	<0.12	
7/20/2012	5,600	2,400	210	8,200	--	3,000	71	72	510	170	2,700	26	<0.13	<0.12	
8/21/2012	3,600	1,100	140	4,900	--	2,400	26	41	80	110	1,500	22	<0.13	<0.12	
9/25/2012	2,100	710	71	2,800	--	1,700	25	35	86	150	690	17	<1.0	<1.0	
10/30/2012	2,600	700	74	3,374	--	1,400	15	13	52	54	1,200	14	<0.061	<0.054	
11/30/2012	860	8,200	260	9,320	--	1,100	2.4	4.4	12	23	690	<0.038	<0.061	<0.054	
12/27/2012	6,200	820	86	7,106	--	2,000	39	76	130	120	1,300	20	<0.061	<0.054	
1/15/2013	3,400	14,000	400	17,800	--	800	12	25	130	43	1,200	8.7	<0.061	<0.054	

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 SFPP Norwalk Pump Station, Norwalk, California

Date Sampled	EPA 8015M					EPA 8260B Volatile Organic Compounds (VOCs) ^b									
	TPH-g (µg/L)	TPH-d (µg/L)	TPH-o (µg/L)	TPH-total (µg/L)	TPH-fp (µg/L)	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
2/12/2013	9,900	3,100	150	13,150	--	2,100	110	440	820	110	330	22	<0.061	<0.054	
3/5/2013	3,954	970	80	5,004	--	1,400	21	23	87	63	1,200	15	<0.061	<0.054	
3/15/2013	--	--	--	--	--	1,400	25	49	98	74	570	14	<0.061	<0.054	
4/16/2013	1,100	1,300	270	2,670	--	370	6	19	56	73	530	17	<0.061	<0.054	
5/14/2013	4,300	830	99	5,229	--	2,000	52	98	181	61	270	22	<0.061	<0.054	
6/28/2013	2,900	870	150	3,920	--	1,100	18	58	76	92	500	11	<0.061	<0.054	
7/16/2013	3,600	1,000	130	4,730	--	870	19	47	140	100	600	14	<0.061	<0.054	
8/16/2013	3,800	5,900	530	10,230	--	1,400	13	32	85	77	550	27	<0.061	<0.054	
9/24/2013	5,800	12,000	550	18,350	--	990	53	400	630	78	440	20	<0.061	<0.054	
10/15/2013	3,300	650	120	4,070	--	1,400	11	37	150	43	250	15	<0.061	<0.054	
11/12/2013	5,600	3,500	190	9,290	--	570	99	230	660	89	550	20	<0.061	<0.054	
12/13/2013	12,500	14,000	400	26,900	--	560	170	690	1,500	52	220	17	<0.061	<0.054	
1/17/2014	5,900	980	130	7,010	--	4,200	13	18	61	89	810	40	<0.061	<0.054	
2/11/2014	12,000	63,000	2,500	77,500	--	640	130	560	1,990	45	290	12	<0.061	<0.054	
3/21/2014	42,000	77,000	2,000	121,000	--	3,700	440	3,300	3,900	100	360	17	<0.061	<0.054	
4/21/2014	100,000	30,000	880	130,000	--	6,000	1,300	9,800	9,000	<0.098	<1.0	12	<0.061	<0.054	
5/20/2014	33,000	15,000	470	48,000	--	1,400	570	2,700	5,400	30	<0.40	16	<0.061	<0.054	
6/13/2014	77,000	33,000	1,100	110,000	--	7,700	1,900	10,000	13,000	38	<0.40	12	<0.061	<0.054	
7/12/2014	28,000	82	<52	28,082	--	2,800	820	3,700	6,800	34	<0.40	18J	<25	<25	
The GWTS was down between July 29, 2014, and December 1, 2014, to facilitate processing of the modifications to SCAQMD Permit No. F14166 for the GWTS.															
1/15/2015	8,000	5,600	270	13,870	--	2,200	22	140	430	21	390	11	<0.12	<0.11	
2/20/2015	120,000	47,000	1,500	170,000	--	3,000	350	1,600	3,000	43	<0.80	17	<0.12	<0.11	
3/3/2015	65,000	480,000	15,000	560,000	--	6,600	1,700	9,300	12,000	670	<0.80	11	<0.12	<0.11	
4/7/2015	105,000	92,000	2,900	200,000	--	9,000	2,100	18,000	13,000	1,200	<0.80	8.7	<0.12	17	
5/19/2015	73,000	90,000	2,400	165,400	--	8,200	1,600	17,000	12,000	380	<0.60	25	<0.078	<0.078	
6/2/2015	78,000	89,000	3,100	170,100	--	3,200	530	3,700	7,100	1,100	<0.60	13	<0.078	8.3	
7/30/2015	31,000	16,000	570	47,570	--	3,100	720	5,100	6,200	820	<0.60	27	<0.078	6.2	
8/6/2015	30,000	17,000	570	37,570	--	2,600	500	3,100	6,200	700	<0.60	16	<0.078	6.4	
9/15/2015	50,000	79,000	2,700	129,000	--	3,200	1,800	6,500	14,000	820	<0.60	15	<0.078	7.7	
10/8/2015	51,000	55,000	1,800	107,800	--	5,700	1,400	11,000	11,000	680	<0.60	16	<0.078	6.2	
11/24/2015	45,000	74,000	2,800	121,800	--	3,400	1,100	7,000	7,800	<0.31	<1.5	16	<0.20	<0.20	
12/3/2015	40,000	120,000	4,000	164,000	--	4,800	1,100	7,700	8,300	580	<1.5	19	<0.20	5.9	
1/21/2016	88,000	2,500,000	97,000	2,685,000	--	4,200	1,700	10,000	14,000	380	<0.60	12	<0.078	<0.078	
2/2/2016	31,000	110,000	4,700	145,700	--	2,600	750	4,600	9,500	430	<0.60	8.6	<0.078	<0.078	
4/5/2016	32,000	31,000	1,100	64,100	--	1,500	450	2,200	12,000	390	<3.0	<0.17	<0.39	<0.39	
5/3/2016	2,600	20,000	680	23,280	--	990	18	83	260	6.0	100	7.1	<0.039	<0.039	
6/14/2016	1,900	4,400	280	6,580	--	290	21	110	400	8.6	<5.0	6.00	<1.0	<1.0	
The GWTS was down between June 24, 2016, and September 9, 2016, to facilitate installation of the new DAF/OWS.															

Table 6. Extracted Groundwater Analytical Results^a
 SFPP Norwalk Pump Station, Norwalk, California

Date Sampled	EPA 8015M					EPA 8260B Volatile Organic Compounds (VOCs) ^b									
	TPH-g (µg/L)	TPH-d (µg/L)	TPH-o (µg/L)	TPH-total (µg/L)	TPH-fp (µg/L)	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
9/20/2016	32	230	130	390	--	<0.036	0.18 J	0.080 J	2.6	2.2	150	10	<0.039	<0.039	
10/21/2016	10,000	9,300	360	20,000	--	320	320	1,100	2,700	5.1	<0.30	5.3	<0.039	<0.039	
11/8/2016	1,100	1,500	130	2,800	--	2.5	<0.036	2.6	160	2.4	66	9.1	<0.039	<0.039	
12/27/2016	140	390	130	660	--	1.2	<0.042	<0.042	2.0 J	1.4	2200	8.7	<0.039	<0.039	
1/19/2017	190	340	120	640	--	6.9	0.24 J	0.15 J	<1.5	2.4	2300	8.1	<0.15	<0.12	
2/3/2017	390	490	170	1,000	--	4.2	0.89 J	3.5	30	3.5	1700	5.1	<0.15	<0.12	
3/3/2017	790	320	78	1,200	--	180	5	1.7 J	24	4.2	620	3.0	<0.15	<0.12	
4/7/2017	1,200	780	140	2,100	--	740	21	23	87	7.5	120	4.8	<0.15	<0.12	
5/4/2017	20	300	100	430	--	0.18 J	<0.036	0.12 J	<1.5	1.4	320	<0.017	<0.039	<0.039	
6/20/2017	11,000	54,000	3,000	68,000	--	1,400	100	400	2,300	15	<18	8.1 J	<1.5	<1.2	
7/20/2017	17 J	400	180	600	--	<1.0	<1.0	<2.0	<2.0	1.2	38	4.2	<1.0	<1.0	
8/3/2017	39 J	410	310	760	--	<1.0	<1.0	<2.0	<2.0	1.3	25	4.2	<1.0	<1.0	
9/20/2017	940	2,400	1,300	4,600	--	<1.0	0.15 J	0.17 J	4.4	0.59	5.4	0.70 J	<1.0	<1.0	
10/10/2017	860	1,200	240	2,300	--	<1.0	5.2	13	120	3.7	26	6.5	<1.0	<1.0	
11/8/2017	4,000	27,000	2,000	33,000	--	24	6.7	8.7	690	70	<5.0	8.8	<1.0	<1.0	
12/15/2017	1,400	2,300	500	4,200	--	6.0	1.6	5.9	52	120	200	<1.0	<1.0	<1.0	
1/4/2018	1,800	1,500	560	3,900	--	190	4.9	30	410	160	240	5.4	<1.0	<1.0	
2/8/2018	36	640	530	1,200	--	0.53 J	<1.0	0.62 J	2.4	2.4	<5.0	2.1	<1.0	<1.0	
2/27/2018	220	560	240	100	--	3.9	0.55 J	1.6 J	9.3	2.3	26	5.5	<1.0	<1.0	
3/27/2018	430	380	330	1,100	--	5.3	0.83 J	<2.0	11	43	410	2.1	<1.0	<1.0	
4/24/2018	49 J	370	410	830 J	--	<1.0	<1.0	<2.0	<2.0	1.7	230	1.6	<1.0	<1.0	
5/22/2018	45 J	120	180	340	--	<1.0	<1.0	<2.0	<2.0	0.94 J	330	0.45 J	<1.0	<1.0	
7/3/2018	4,700	1,300	2,300	8,300	--	220	140	35	1,300	92	1,500	0.91 J	<1.0	<1.0	
7/31/2018	200	260	220	680	--	14	1.0	<2.0	3.0	27	320	2.6	<1.0	<1.0	
8/31/2018	130	200	460	790	--	5.1	0.35 J	1.0 J	4.8	39	610	<1.0	<1.0	<1.0	
9/25/2018	<50	280	350	630	--	<1.0	<1.0	<2.0	<2.0	23	52	2.3	<1.0	<1.0	
10/23/2018	74	<32	<80	74 J	--	1.2	<1.0	<2.0	<2.0	2.2	38	3.8	<1.0	<1.0	
11/12/2018	<50	120	<100	120	--	<1.0	<1.0	<2.0	<2.0	1.4	120	4.1	<1.0	<1.0	
12/14/2018	170	210	77	460	--	1.8	0.49 J	0.94 J	5.3	14	180	1.4	<1.0	<1.0	
1/29/2019	100	250	64	410	--	<1.0	<1.0	<2.0	<2.0	2.6	<5.0	1.7	<1.0	<1.0	
2/7/2019	36 J	210	93	340	--	<1.0	<1.0	<2.0	2.0 J	1.1	22	0.82 J	<1.0	<1.0	
3/8/2019	38 J	270	110	420	--	<1.0	<1.0	<2.0	<2.0	1.7	22	3.8	<1.0	<1.0	
4/29/2019	33 J	220	97	350	--	<1.0	<1.0	<2.0	<2.0	1.2	1,100	2.7	<1.0	<1.0	
5/28/2019	31 J	270	120	420	--	<1.0	<1.0	<2.0	<2.0	1.8	16	2.6	<1.0	<1.0	
6/20/2019	170	210	82	460	--	86	1.1	1.9 J	11	2.8	220	4.5	<1.0	<1.0	
7/31/2019	200	130	60	390	--	130	1.9	0.75	11	1.6	320	6.9	<1.0	<1.0	
8/22/2019	840	350	420	1,600	--	670	11	2.6	44	2.3	190	11	<1.0	<1.0	
9/12/2019	440	180	87	650	--	140	1.8	0.61 J	8	1.2	110	3.4	<1.0	<1.0	

Table 6. Extracted Groundwater Analytical Results^a
 SFPP Norwalk Pump Station, Norwalk, California

Date Sampled	EPA 8015M					EPA 8260B Volatile Organic Compounds (VOCs) ^b									
	TPH-g (µg/L)	TPH-d (µg/L)	TPH-o (µg/L)	TPH-total (µg/L)	TPH-fp (µg/L)	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	
10/8/2019	28 J	250	140	420	--	<1.0	<1.0	<2.0	<2.0	<1.0	<5.0	0.94 J	<1.0	<1.0	
11/19/2019	19 ^e B, J	170	150	330	--	<1.0	<1.0	<2.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	
December-19	-- ^f	-- ^f	-- ^f	-- ^f	--	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	
January-20	-- ^f	-- ^f	-- ^f	-- ^f	--	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	
February-20	-- ^f	-- ^f	-- ^f	-- ^f	--	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	
March-20	-- ^f	-- ^f	-- ^f	-- ^f	--	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	
April-20	-- ^f	-- ^f	-- ^f	-- ^f	--	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	-- ^f	
5/21/2020	92	140	46	280	--	8.9	0.73 J	0.27 J	1.6 J	5.2	23	2.7	<1.0	<1.0	
6/12/2020	39 J	240	69	350	--	0.65 J	<1.0	<2.0	<2.0	2.1	<5.0	3.0	<1.0	<1.0	
7/23/2020	320	450	89	860	--	530	1.8	2.1	18	5.3	41	15	<1.0	<1.0	
8/11/2020	800	430	110	1,300	--	610	7.0	3.6	21	10	<10	13	<2.0	<2.0	
9/29/2020	39 J	46	71	160	--	<1.0	<1.0	<2.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	
10/27/2020	660	260	120	1,000	--	270	1.9	1.0 J	6.8	1.0	8.7	4.0	<1.0	<1.0	
11/23/2020	620	810	160	1,600	--	250	2.2	1.1 J	5.5	7.0	70	24	<1.0	<1.0	
12/8/2020	890	480	150	1,500	--	490	4.2	1.4 J	8.0	6.3	55	9.9	<1.0	<1.0	
1/22/2021	330	430	330	1,100	--	190	8.2	0.87 J	8.0	5.4	86	18	<1.0	<1.0	
2/2/2021	370	440	390	1,200	--	140	4.7	0.61 J	4.2	3.0	44	8.9	<1.0	<1.0	
March 2021	GWTS is offline, last date of groundwater extraction was February 23, 2021.						--	--	--	--	--	--	--	--	--

Notes:

^a Influent samples were collected from the manifold conveying groundwater extracted from the south-central and southeastern areas.

^b Other detected VOCs are included in the laboratory analytical reports in Appendix A.

^c TPH-fp result from extracted groundwater sample collected on July 2, 2008.

^d The July 27, 2011 sample, and samples collected after July 20, 2012, were analyzed for TPH-g, TPH-d, and TPH-o.

^e The concentration detected in method blank sample was 12 µg/L (J).

^f The GWTS remained down for the entire month due to a malfunction with the chart recorder and leaking effluent polishing carbon vessel.

-- = not analyzed

<X = not detected at or above the laboratory reporting limit "X"

J = analyte detected above the laboratory method detection limit and below the laboratory reporting limit; reported value is an estimate.

B = analyte detected in the associated method blank

µg/L = micrograms per liter

ppm = parts per million

DAF = dissolved air flotation

DIPE = di-isopropyl ether

ETBE = ethyl tertiary butyl ether

GWTS = groundwater treatment system

MTBE = methyl tertiary butyl ether

OWS = oil-water separator

SCAQMD = South Coast Air Quality Management District

TAME = tertiary amyl methyl ether

TBA = tertiary butyl alcohol

TPH-d = total petroleum hydrocarbons quantified as diesel (C13-C22)

TPH-fp = total petroleum hydrocarbons quantified as fuel product (C7-C28)

TPH-g = total petroleum hydrocarbons quantified as gasoline (C4-C12)

TPH-o = total petroleum hydrocarbons quantified as oil (C23-C36)

TPH-total = total petroleum hydrocarbons quantified as gasoline, diesel, and oil (C4-C36)

Table 7. Biosparge System Operation Summary
SFPP Norwalk Pump Station, Norwalk, California

System Inspection Date	Cumulative Hours of Operation (hours)	Incremental Hours of Operation (hours)	Incremental Uptime (%)	BS-02 System Flow (scfm)	BS-02 Sparge Leg Pressure (psi)	BS-03 System Flow (scfm)	BS-03 Sparge Leg Pressure (psi)
2016 Totals	5,302	5,302	--	--	--	--	--
2017 Totals	8,580	3,278	--	--	--	--	--
2018 Totals	14,216	5,636	64.7	--	--	--	--
2019 Totals	20,332	6,116	69.8	--	--	--	--
2020 Totals	25,120	4,788	54.8	--	--	--	--
1/5/2021	25,291	171	100	171	2	--	--
1/12/2021	25,458	167	99	194	2	--	--
1/19/2021	25,627	169	100	180	2	--	--
1/26/2021	25,794	167	99	183	2	--	--
2/2/2021	25,961	167	99	178	2	--	--
2/9/2021	26,129	168	100	181	2	--	--
2/16/2021	26,297	168	100	180	2	--	--
2/23/2021	26,373	76	45	80	2	--	--
3/2/2021	26,494	121	72	192	2	--	--
3/9/2021	26,660	166	99	182	2	--	--
3/16/2021	26,825	165	98	193	3	--	--
3/23/2021	26,995	170	100	170	2	--	--
3/30/2021	27,162	167	99	186	2	--	--
First Quarter 2021 Total	27,162	2,042	93.5	--	--	--	--
4/6/2021	27,331	169	100	189	2	--	--
4/13/2021	27,512	181	100	86	2	--	--
4/20/2021	27,634	122	73	176	2	--	--
4/29/2021	27,852	218	100	170	2	--	--
5/4/2021	27,973	121	100	185	2	--	--
5/11/2021	28,138	165	98	193	5	50	2
5/18/2021	--	--	--	--	--	--	--
5/25/2021	28,450	312	93	121	2	164	2
6/1/2021	28,617	167	99	189	2	125	2
6/8/2021	28,785	168	100	100	2	100	2
6/15/2021	28,954	169	100	180	2	94	2
6/22/2021	29,120	166	99	190	2	203	2
6/29/2021	29,289	169	100	189	2	265	4
Second Quarter 2021 Total	29,289	2,127	97.4	--	--	--	--
7/6/2021	29,453	164	100	90	2	113	2
7/13/2021	29,620	167	99	183	2	249	2
7/21/2021	29,712	92	48	--	--	--	--
7/27/2021	29,853	141	98	185	6	216	6
8/3/2021	30,021	168	100	186	4	219	4
8/12/2021	30,138	117	54	172	6	250	6
8/24/2021	30,218	80	28	--	--	208	5
8/31/2021	30,381	163	97	121	4	238	4
9/7/2021	30,445	64	38	0	0	0	0
9/14/2021	30,613	168	100	197	6	257	21
9/21/2021	30,781	168	100	188	4	199	4
9/30/2021	31,000	219	101	184	4	194	4
Third Quarter 2021 Total	31,000	1,711	76.7	--	--	--	--
Cumulative Totals	31,000	--	61.7	--	--	--	--

Notes:

- = not applicable or not available
- psi = pounds per square inch
- scfm = standard cubic feet per minute

Table 8. Field Measurements and Laboratory Soil Vapor Analytical Results – August 2021

SFPF Norwalk Pump Station, Norwalk, California

Analyte Type	Analyte	Unit	Current Residential Soil Gas Screening Level ^{a, b}	Current Commercial Soil Gas Screening Level ^{a, b}	SVM-1-5 08/10/21 SVM-1 5-5.5	SVM-1-15 08/10/21 SVM-1 15-15.5	SVM-2-5 08/10/21 SVM-2 5-5.5	SVM-3-5 08/11/21 SVM-3 5-5.5	SVM-3-15 08/11/21 SVM-3 15-15.5	SVM-5-5 08/11/21 SVM-5 5-5.5	SVM-5-15 08/11/21 SVM-5 15-15.5	SVM-6-5 08/11/21 SVM-6 5-5.5	SVM-6-15 08/11/21 SVM-6 15-15.5	SVM-7-7 08/11/21 SVM-7 7-7.5	SVM-7-13 08/11/21 SVM-7 13-13.5	SVM-8-5 08/11/21 SVM-8 5-5.5
Field Measurements	Pressure	inches H ₂ O	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	PID	ppmv	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Oxygen	percent	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPCs ^c	1,2,4-Trimethylbenzene	µg/L	2.1	8.7	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	0.021	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	1,2-Dichloroethane	µg/L	0.06	0.3	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U
	1,3,5-Trimethylbenzene	µg/L	2.1	8.7	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	2-Propanol (leak test compound)	µg/L			<0.20 U	<0.20 U	1.2 J	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
	Benzene	µg/L	0.0032	0.014	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U
	Ethylbenzene	µg/L	0.037	0.163	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Isopropylbenzene (aka Cumene)	µg/L	14	60	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	m,p-Xylenes	µg/L	3.3	14.7	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	0.024	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Methyl tert-butyl ether (MTBE)	µg/L	0.4	1.6	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Naphthalene	µg/L	0.003	0.012	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U
	n-Butylbenzene	µg/L	14	60	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	n-Propylbenzene (propylbenzene)	µg/L	33	147	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	o-Xylene	µg/L	3	15	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	sec-Butylbenzene	µg/L	14	60	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	tert-Butanol (TBA)	µg/L			<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U
	Toluene	µg/L	10.3	43.3	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
Fixed Gases	Bromodichloromethane	µg/L	0.0025	0.0110	<0.020 U	<0.020 U	<0.020 U	0.032	0.039	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Chloroform	µg/L	0.004	0.018	<0.020 U	<0.020 U	<0.020 U	0.050	0.086	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Dichloromethane	µg/L	0.03	0.4	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Tetrachloroethylene (PCE)	µg/L	0.015	0.067	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
	TPH-G (C4-C12)	µg/L	21	86.7	<0.50 U	<0.50 U	0.81	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
Fixed Gases	Methane	% v/v	--	--	<0.20 U	<0.20 U	<0.20 U	0.31	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
	Oxygen	% v/v	--	--	22	20	20	22	21	21	22	22	19	21	21	22
	Carbon Dioxide	% v/v	--	--	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U

Notes:

^a Source for the Indoor Air Screening Levels: DTSC, 2020. *Human Health Risk Assessment (HHRA) Note:*

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^b Attenuation factor for current land use = 0.03. Source for the attenuation factors: DTSC, 2020.

SVM-1-5 Light blue highlighting indicates offsite soil vapor probe locations.
SVM-1-15 Yellow highlighting indicates concentration exceeds human health screening level under residential scenario.

8/10/2021 - 8/11/2021 = sample dates

SVM-1 = sample location

SVM-1-5 = sample ID

5-5.5 = sample depth in feet below ground surface

-- = not available

% v/v = percent volume by volume

<0.02 = not detected at the laboratory minimum reporting limit

µg/L = micrograms per liter

COPC = chemical of potential concern

TPH-g = total petroleum hydrocarbons quantified as gasoline

Table 8. Field Measurements and Laboratory Soil Vapor Analytical Results – August 2021

SFPP Norwalk Pump Station, Norwalk, California

Analyte Type	Analyte	Unit	Current Residential Soil Gas Screening Level ^{a, b}	Current Commercial Soil Gas Screening Level ^{a, b}	SVM-8-15 08/11/21 SVM-8 15-15.5	SVM-10-15 08/11/21 SVM-10 15-15.5	SVM-11-7 08/10/21 SVM-11 7-7.5	SVM-11-15 08/10/21 SVM-11 15-15.5	SVM-11-22 08/10/21 SVM-11 22-22.5	SVM-12-7 08/10/21 SVM-12 7-7.5	SVM-12-15 08/10/21 SVM-12 15-15.5	SVM-12-22 08/10/21 SVM-12 22-22.5	SVM-13-7 08/10/21 SVM-13 7-7.5	SVM-13-7 DUP 08/10/21 SVM-13 7-7.5	SVM-13-15 08/10/21 SVM-13 15-15.5	SVM-13-22 08/10/21 SVM-13 22-22.5
Field Measurements	Pressure	inches H ₂ O	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	PID	ppmv	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Oxygen	percent	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPCs ^c	1,2,4-Trimethylbenzene	µg/L	2.1	8.7	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	1,2-Dichloroethane	µg/L	0.06	0.3	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U
	1,3,5-Trimethylbenzene	µg/L	2.1	8.7	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	2-Propanol (leak test compound)	µg/L			<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	0.41 J	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
	Benzene	µg/L	0.0032	0.014	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U
	Ethylbenzene	µg/L	0.037	0.163	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Isopropylbenzene (aka Cumene)	µg/L	14	60	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	m,p-Xylenes	µg/L	3.3	14.7	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Methyl tert-butyl ether (MTBE)	µg/L	0.4	1.6	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Naphthalene	µg/L	0.003	0.012	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U
	n-Butylbenzene	µg/L	14	60	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	n-Propylbenzene (propylbenzene)	µg/L	33	147	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	o-Xylene	µg/L	3	15	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	sec-Butylbenzene	µg/L	14	60	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	tert-Butanol (TBA)	µg/L			<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U
	Toluene	µg/L	10.3	43.3	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
Fixed Gases	Bromodichloromethane	µg/L	0.0025	0.0110	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Chloroform	µg/L	0.004	0.018	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Dichloromethane	µg/L	0.03	0.4	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
	Tetrachloroethylene (PCE)	µg/L	0.015	0.067	<0.010 U	<0.010 U	<0.010 U	<0.010 U	0.023	<0.010 U	<0.010 U	0.014	<0.010 U	<0.010 U	<0.010 U	<0.010 U
	TPH-G (C4-C12)	µg/L	21	86.7	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U
Fixed Gases	Methane	% v/v	--	--	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	0.66	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
	Oxygen	% v/v	--	--	21	10	24	21	9.2	21	18	9.2	20	20	21	16
	Carbon Dioxide	% v/v	--	--	<0.20 U	<0.20 U	<0.20 U	<0.20 U	5.5	<0.20 U	2.1	9.5	<0.20 U	2.5	<0.20 U	2.3

Notes:

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^b Attenuation factor for current land use = 0.03. Source for the attenuation factors: DTSC, 2020.

SVM-1-5 Light blue highlighting indicates offsite soil vapor probe locations.

Yellow highlighting indicates concentration exceeds human health screening level under residential scenario.

8/10/2021 - 8/11/2021 = sample dates

SVM-1 = sample location

SVM-1-5 = sample ID

5-5.5 = sample depth in feet below ground surface

--- = not available

% v/v = percent volume by volume

<0.02 = not detected at the laboratory minimum reporting limit

µg/L = micrograms per liter

COPC = chemical of potential concern

TPH-g = total petroleum hydrocarbons quantified as gasoline

Table 8. Field Measurements and Laboratory Soil Vapor Analytical Results – August 2021

SFPF Norwalk Pump Station, Norwalk, California

Analyte Type	Analyte	Unit	Current Residential Soil Gas Screening Level ^{a, b}	Current Commercial Soil Gas Screening Level ^{a, b}	SVM-14R-8 08/10/21 SVM-14R 8-8.5	SVM-14R-16 08/10/21 SVM-14R 16-16.5	SVM-14R-22 08/10/21 SVM-14R 22-22.5	SVM-15-7 08/11/21 SVM-15 7-7.5	SVM-15-15 08/11/21 SVM-15 15-15.5	SVM-15-22 08/11/21 SVM-15 22-22.5	SVM-16-7 08/11/21 SVM-16 7-7.5	SVM-16-16 08/11/21 SVM-16 16-16.5	SVM-16-22 08/11/21 SVM-16 22-22.5	SVM-16-22 DUP 08/11/21 SVM-16 22-22.5	AMBIENT AIR 08/10/21	AMBIENT AIR 08/11/21	
Field Measurements	Pressure	inches H ₂ O	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	PID	ppmv	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	Oxygen	percent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
COPCs ^c	1,2,4-Trimethylbenzene	µg/L	2.1	8.7	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	1,2-Dichloroethane	µg/L	0.06	0.3	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	<0.0040 U	
	1,3,5-Trimethylbenzene	µg/L	2.1	8.7	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	2-Propanol (leak test compound)	µg/L			<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	
	Benzene	µg/L	0.0032	0.014	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	
	Ethylbenzene	µg/L	0.037	0.163	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	Isopropylbenzene (aka Cumene)	µg/L	14	60	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	m,p-Xylenes	µg/L	3.3	14.7	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	0.020	0.020	<0.020 U	<0.020 U
	Methyl tert-butyl ether (MTBE)	µg/L	0.4	1.6	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	Naphthalene	µg/L	0.003	0.012	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	<0.0030 U	
	n-Butylbenzene	µg/L	14	60	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	n-Propylbenzene (propylbenzene)	µg/L	33	147	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	o-Xylene	µg/L	3	15	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	sec-Butylbenzene	µg/L	14	60	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	tert-Butanol (TBA)	µg/L			<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	
	Toluene	µg/L	10.3	43.3	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	Bromodichloromethane	µg/L	0.0025	0.0110	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	Chloroform	µg/L	0.004	0.018	<0.020 U	0.025	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	Dichloromethane	µg/L	0.03	0.4	<0.020 U	<0.020 U	<0.020 U	<0.020 U	0.045	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	
	Tetrachloroethylene (PCE)	µg/L	0.015	0.067	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	
	TPH-G (C4-C12)	µg/L	21	86.7	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	<0.50 U	1.7	1.8	<0.50 U	<0.50 U
Fixed Gases	Methane	% v/v	--	--	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	---	---	
	Oxygen	% v/v	--	--	23	17	12	21	21	22	22	21	19	18	---	---	
	Carbon Dioxide	% v/v	--	--	<0.20 U	2.8	3.2	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	---	---	

Notes:

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^b Attenuation factor for current land use = 0.03. Source for the attenuation factors: DTSC, 2020.

SVM-1-5 Light blue highlighting indicates offsite soil vapor probe locations.

Yellow highlighting indicates concentration exceeds human health screening level under residential scenario.

8/10/2021 - 8/11/2021 = sample dates

SVM-1 = sample location

SVM-1-5 = sample ID

5-5.5 = sample depth in feet below ground surface

--- = not available

% v/v = percent volume by volume

<0.02 = not detected at the laboratory minimum reporting limit

µg/L = micrograms per liter

COPC = chemical of potential concern

TPH-g = total petroleum hydrocarbons quantified as gasoline

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-9	4/30/2007	74.44	26.71	---	---	47.73	Secor
	11/12/2007	74.44	27.32	27.04	0.28	47.34	Secor
	8/8/2008	74.44	28.01	27.96	0.05	46.47	Envent
	10/16/2008	74.44	28.36	28.35	0.01	46.09	Envent
	12/17/2008	74.44	27.61	---	---	46.83	Envent
	1/15/2009	74.44	28.91	---	---	45.53	Envent
	3/27/2009	74.44	29.04	---	---	45.40	Envent
	4/21/2009	74.44	28.16	---	---	46.28	Envent
	7/21/2009	74.44	28.31	---	---	46.13	Envent
	10/19/2009	74.44	NM	---	---	NC	Blaine Tech
	5/24/2010	74.44	30.47	---	---	43.97	Blaine Tech
	5/28/2010	74.44	30.35	---	---	44.09	Blaine Tech
	10/4/2010	74.44	30.30	---	---	44.14	Blaine Tech
	1/10/2011	74.44	32.02	---	---	42.42	Blaine Tech
	4/11/2011	74.44	25.41	---	---	49.03	Blaine Tech
	7/11/2011	74.44	NM	---	---	NC	
	10/10/2011	74.44	28.91	---	---	45.53	Blaine Tech
	4/16/2012	74.44	31.15	---	---	43.29	Blaine Tech
	7/9/2012	---	31.64	---	---	NC	Blaine Tech
	10/15/2012	77.16	31.82	---	---	45.34	Blaine Tech
	1/14/2013	77.16	31.88	---	---	45.28	Blaine Tech
	4/8/2013	77.16	31.83	---	---	45.33	Blaine Tech
	10/7/2013	77.16	35.30	31.25	4.05	45.02	Blaine Tech
	4/14/2014	77.16	37.66	31.65	6.01	44.19	Blaine Tech
	5/5/2014	77.16	37.81	31.76	6.05	44.07	Nieto & Sons
	5/12/2014	77.16	37.39	31.83	5.56	44.11	Nieto & Sons
	5/20/2014	77.16	37.70	33.85	3.85	42.46	Nieto & Sons
	5/27/2014	77.16	32.41	28.84	3.57	47.53	Nieto & Sons
	6/4/2014	77.16	33.20	---	---	43.96	Nieto & Sons
	6/10/2014	77.16	37.51	32.77	4.74	43.35	Nieto & Sons
	7/3/2014	77.16	39.26	32.59	6.67	43.10	Nieto & Sons
	7/8/2014	77.16	38.59	32.45	6.14	43.36	Blaine Tech
	7/18/2014	77.16	37.15	32.73	4.42	43.46	Blaine Tech
	7/24/2014	77.16	37.78	32.48	5.30	43.51	Blaine Tech
	8/1/2014	77.16	36.72	32.30	4.42	43.89	Blaine Tech
	8/8/2014	77.16	36.55	32.26	4.29	43.96	Blaine Tech
	8/13/2014	77.16	36.25	32.33	3.92	43.97	Blaine Tech
	8/19/2014	77.16	36.04	32.38	3.66	43.97	Blaine Tech
	8/29/2014	77.16	36.23	32.33	3.90	43.97	Blaine Tech
	9/5/2014	77.16	36.26	32.35	3.91	43.95	Blaine Tech
	9/11/2014	77.16	36.27	32.33	3.94	43.96	Blaine Tech
	9/18/2014	77.16	36.42	32.37	4.05	43.90	Blaine Tech
9/26/2014	77.16	36.39	32.35	4.04	43.92	Blaine Tech	
10/1/2014	77.16	36.11	32.42	3.69	43.93	Blaine Tech	
10/6/2014	77.16	35.99	32.42	3.57	43.95	Blaine Tech	
10/14/2014	77.16	36.24	32.34	3.90	43.96	Blaine Tech	
10/23/2014	77.16	36.32	32.35	3.97	43.94	Blaine Tech	
10/27/2014	77.16	36.04	32.42	3.62	43.94	Blaine Tech	
11/3/2014	77.16	36.40	32.35	4.05	43.92	Blaine Tech	
11/10/2014	77.16	36.32	32.41	3.91	43.89	Blaine Tech	
11/18/2014	77.16	36.28	32.43	3.85	43.88	Blaine Tech	
11/25/2014	77.16	36.21	32.49	3.72	43.85	Blaine Tech	
12/3/2014	77.16	36.18	32.43	3.75	43.90	Blaine Tech	
12/12/2014	77.16	36.58	32.74	3.84	43.58	Blaine Tech	
12/19/2014	77.16	37.05	32.76	4.29	43.46	Blaine Tech	
3/6/2015	77.16	39.40	33.13	6.27	42.65	Kinder Morgan	
4/20/2015	77.16	36.98	32.99	3.99	43.29	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-9 Continued	10/20/2015	77.16	34.61	34.37	0.24	42.74	Kinder Morgan
	3/14/2016	77.16	36.10	---	---	41.06	Blaine Tech
	4/11/2016	77.16	36.20	---	---	40.96	Blaine Tech
	6/30/2016	77.16	31.02	---	---	46.14	Kinder Morgan
	8/22/2016	77.16	37.27	---	---	39.89	Kinder Morgan
	10/3/2016	77.16	38.02	---	---	39.14	Blaine Tech
	3/7/2017	77.16	35.13	---	---	42.03	CH2M
	4/17/2017	77.16	33.32	---	---	43.84	Blaine Tech
	10/2/2017	77.16	38.43	---	---	38.73	Blaine Tech
	4/16/2018	77.16	37.98	---	---	39.18	Blaine Tech
	11/5/2018	77.16	33.95	---	---	43.21	Blaine Tech
	4/23/2019	77.16	29.72	---	---	47.44	Blaine Tech
	10/28/2019	77.16	37.90	---	---	39.26	Blaine Tech
	5/4/2020	77.16	35.37	---	---	41.79	Blaine Tech
11/2/2020	77.16	35.90	---	---	41.26	Blaine Tech	
5/3/2021	77.16	36.50	---	---	40.66	Blaine Tech	
GMW-10	4/30/2007	74.67	25.90	---	---	48.77	Secor
	11/12/2007	74.67	25.02	25.82	0.83	50.33	Secor
	4/14/2008	74.67	25.38	25.44	0.06	49.34	Secor
	10/13/2008	74.67	24.16	---	---	50.51	Stantec
	4/20/2009	74.67	24.46	---	---	50.21	Blaine Tech
	10/19/2009	74.67	27.20	---	---	47.47	Blaine Tech
	5/24/2010	74.67	26.72	---	---	47.95	Blaine Tech
	5/28/2010	74.67	26.70	---	---	47.97	Blaine Tech
	10/4/2010	74.67	27.15	---	---	47.52	Blaine Tech
	4/11/2011	74.67	25.21	---	---	49.46	Blaine Tech
	10/10/2011	74.67	27.75	---	---	46.92	Blaine Tech
	4/27/2012	74.67	28.47	---	---	46.20	Blaine Tech
	7/9/2012	74.67	NM	---	---	NC	Blaine Tech
	10/15/2012	74.67	29.15	29.02	0.13	45.63	Blaine Tech
	4/8/2013	74.67	33.64	28.12	5.52	45.53	Blaine Tech
	9/26/2013	73.35	36.15	29.25	6.90	42.82	Blaine Tech
	10/7/2013	73.35	31.85	29.32	2.53	43.56	Blaine Tech
	4/14/2014	73.35	29.43	29.01	0.42	44.26	Blaine Tech
	8/19/2014	73.35	29.80	29.53	0.27	43.77	Blaine Tech
	8/29/2014	73.35	29.68	29.25	0.43	44.02	Blaine Tech
	9/26/2014	73.35	29.98	29.23	0.75	43.98	Blaine Tech
	10/1/2014	73.35	29.98	29.19	0.79	44.01	Blaine Tech
	10/6/2014	73.35	30.01	29.16	0.85	44.03	Blaine Tech
	10/14/2014	73.35	30.01	29.18	0.83	44.02	Blaine Tech
	10/23/2014	73.35	30.17	29.15	1.02	44.01	Blaine Tech
	10/27/2014	73.35	30.19	29.12	1.07	44.03	Blaine Tech
	11/3/2014	73.35	30.25	29.13	1.12	44.01	Blaine Tech
	11/10/2014	73.35	29.85	29.28	0.57	43.96	Blaine Tech
	11/18/2014	73.35	29.95	29.28	0.67	43.95	Blaine Tech
	11/25/2014	73.35	30.00	29.27	0.73	43.94	Blaine Tech
	12/3/2014	73.35	30.18	29.27	0.91	43.91	Blaine Tech
	12/12/2014	73.35	30.81	29.45	1.36	43.65	Blaine Tech
	12/19/2014	73.35	30.51	30.35	0.16	42.97	Blaine Tech
	4/20/2015	73.35	34.99	28.42	6.57	43.71	Blaine Tech
7/17/2015	73.35	36.10	29.41	6.69	42.70	Blaine Tech	
10/20/2015	73.35	32.96	31.02	1.94	41.97	Kinder Morgan	
3/16/2016	73.35	34.47	33.42	1.05	39.74	Kinder Morgan	
4/11/2016	73.35	33.70	32.10	1.60	40.95	Blaine Tech	
6/29/2016	73.35	33.02	---	---	40.33	Blaine Tech	
8/22/2016	73.35	33.82	32.93	0.89	40.26	Blaine Tech	
10/3/2016	73.35	35.10	33.65	1.45	39.43	Blaine Tech	
3/8/2017	73.35	32.75	---	---	40.60	CH2M	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-10 Continued	04/17/17	73.35	31.15	---	---	42.20	Blaine Tech
	10/2/2017	73.35	33.48	---	---	39.87	Blaine Tech
	4/16/2018	73.35	33.87	33.74	0.13	39.58	Blaine Tech
	11/5/2018	73.35	34.16	34.14	0.02	39.21	Blaine Tech
	4/16/2019	73.35	30.55	---	---	42.80	Blaine Tech
	10/28/2019	73.35	34.12	33.84	0.28	39.45	Blaine Tech
	5/4/2020	73.35	31.44	---	---	41.91	Blaine Tech
	11/2/2020	73.35	32.00	--	--	41.35	Blaine Tech
	2/24/2021	73.35	32.75	--	--	40.60	Blaine Tech
	5/3/2021	73.35	32.54	--	--	40.81	Blaine Tech
	8/31/2021	73.35	32.75	--	--	40.60	Blaine Tech
GMW-22	4/30/2007	74.17	25.79	---	---	48.38	Secor
	11/12/2007	74.17	26.45	25.91	0.54	48.16	Stantec
	8/12/2008	74.17	26.70	---	---	47.47	Envent
	10/31/2008	74.17	28.25	27.04	1.21	46.91	Envent
	11/4/2008	74.17	26.97	---	---	47.20	Envent
	12/17/2008	74.17	26.65	---	---	47.52	Envent
	1/15/2009	74.17	27.18	---	---	46.99	Envent
	3/27/2009	74.17	27.86	---	---	46.31	Envent
	4/21/2009	74.17	27.30	27.20	0.10	46.95	Envent
	7/21/2009	74.17	27.70	---	---	46.47	Envent
	10/19/2009	74.17	NM	---	---	NC	Blaine Tech
	11/6/2009	74.17	28.12	---	---	46.05	Kinder Morgan
	9/3/2010	74.17	28.36	25.10	3.26	48.47	Kinder Morgan
	10/4/2010	74.17	27.65	---	---	46.52	Blaine Tech
	4/11/2011	74.17	26.45	---	---	47.72	Blaine Tech
	10/10/2011	74.17	29.68	---	---	44.49	Blaine Tech
	4/16/2012	74.17	31.15	---	---	43.02	Blaine Tech
	7/9/2012	---	NM	---	---	NC	Blaine Tech
	10/15/2012	77.24	31.05	---	---	46.19	Blaine Tech
	4/8/2013	77.24	31.92	---	---	45.32	Blaine Tech
	10/7/2013	77.24	34.28	31.65	2.63	45.10	Blaine Tech
	4/14/2014	77.24	35.59	32.30	3.29	44.33	Blaine Tech
	5/6/2014	77.24	35.87	32.35	3.52	44.24	Nieto & Sons
	5/12/2014	77.24	35.76	32.28	3.48	44.32	Nieto & Sons
	5/20/2014	77.24	37.90	32.70	5.20	43.58	Nieto & Sons
	5/27/2014	77.24	36.34	32.71	3.63	43.86	Nieto & Sons
	6/4/2014	77.24	33.36	---	---	43.88	Nieto & Sons
	6/10/2014	77.24	36.74	32.82	3.92	43.69	Nieto & Sons
	7/3/2014	77.24	37.66	32.91	4.75	43.45	Nieto & Sons
	7/8/2014	77.24	36.70	32.79	3.91	43.73	Blaine Tech
	7/18/2014	77.24	36.68	32.77	3.91	43.75	Blaine Tech
	7/24/2014	77.24	36.79	32.62	4.17	43.85	Blaine Tech
8/1/2014	77.24	35.82	32.44	3.38	44.17	Blaine Tech	
8/8/2014	77.24	35.72	32.44	3.28	44.19	Blaine Tech	
8/13/2014	77.24	35.68	32.45	3.23	44.19	Blaine Tech	
8/19/2014	77.24	35.64	32.45	3.19	44.20	Blaine Tech	
8/29/2014	77.24	35.65	32.44	3.21	44.21	Blaine Tech	
9/5/2014	77.24	35.73	32.46	3.27	44.18	Blaine Tech	
9/11/2014	77.24	35.78	32.47	3.31	44.16	Blaine Tech	
9/18/2014	77.24	35.85	32.49	3.36	44.13	Blaine Tech	
9/26/2014	77.24	35.85	32.46	3.39	44.15	Blaine Tech	
10/1/2014	77.24	35.76	32.45	3.31	44.18	Blaine Tech	
10/6/2014	77.24	35.72	32.44	3.28	44.19	Blaine Tech	
10/14/2014	77.24	35.75	32.42	3.33	44.20	Blaine Tech	
10/23/2014	77.24	35.84	32.43	3.41	44.18	Blaine Tech	
10/27/2014	77.24	35.74	32.41	3.33	44.21	Blaine Tech	
11/3/2014	77.24	35.89	32.45	3.44	44.15	Blaine Tech	
11/10/2014	77.24	35.94	32.45	3.49	44.14	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-22 Continued	11/18/2014	77.24	35.97	32.48	3.49	44.11	Blaine Tech
	11/25/2014	77.24	35.97	32.51	3.46	44.09	Blaine Tech
	12/3/2014	77.24	35.84	32.45	3.39	44.16	Blaine Tech
	12/12/2014	77.24	36.44	32.65	3.79	43.89	Blaine Tech
	12/19/2014	77.24	36.80	34.71	2.09	42.14	Blaine Tech
	4/20/2015	77.24	36.64	32.84	3.80	43.70	Blaine Tech
	7/24/2015	77.24	39.80	33.70	6.10	42.41	Northstar
	10/20/2015	77.24	36.10	34.92	1.18	42.10	Kinder Morgan
	3/16/2016	77.24	39.73	37.61	2.12	39.24	Kinder Morgan
	4/11/2016	77.24	38.59	35.50	3.09	41.17	Blaine Tech
	6/30/2016	77.24	36.55	---	---	40.69	Blaine Tech
	10/3/2016	77.24	37.70	---	---	39.54	Blaine Tech
	4/17/2017	77.24	34.47	---	---	42.77	Blaine Tech
	10/2/2017	77.24	38.45	---	---	38.79	Blaine Tech
	4/16/2018	77.24	38.23	---	---	39.01	Blaine Tech
	11/5/2018	77.24	38.02	---	---	39.22	Blaine Tech
	4/16/2019	77.24	36.19	---	---	41.05	Blaine Tech
	10/28/2019	77.24	38.65	---	---	38.59	Blaine Tech
5/4/2020	77.24	35.64	---	---	41.60	Blaine Tech	
11/2/2020	77.24	36.08	---	---	41.16	Blaine Tech	
5/3/2021	77.24	36.66	---	---	40.58	Blaine Tech	
GMW-24	4/30/2007	74.04	27.07	---	---	46.97	Secor
	11/12/2007	74.04	27.50	27.46	0.04	46.57	Stantec
	8/12/2008	74.04	NM	---	---	NC	Envent
	8/19/2008	74.04	29.34	28.24	1.10	45.58	Envent
	10/17/2008	74.04	30.88	29.90	0.98	43.94	Envent
	10/21/2008	74.04	29.64	28.30	1.34	45.47	Envent
	12/18/2008	74.04	29.04	---	---	45.00	Envent
	1/15/2009	74.04	30.56	29.80	0.76	44.09	Envent
	3/20/2009	74.04	31.28	---	---	42.76	Envent
	3/27/2009	74.04	30.45	---	---	43.59	Envent
	4/21/2009	74.04	29.91	---	---	44.13	Envent
	7/21/2009	74.04	32.78	---	---	41.26	Envent
	10/19/2009	74.04	NM	---	---	NC	Blaine Tech
	2/4/2010	74.04	29.67	29.40	0.27	44.59	Kinder Morgan
	6/22/2010	74.04	29.47	---	---	44.57	Blaine Tech
	9/3/2010	74.04	29.90	---	---	44.14	Kinder Morgan
	10/4/2010	74.04	29.50	---	---	44.54	Blaine Tech
	4/11/2011	74.04	28.21	---	---	45.83	Blaine Tech
	10/10/2011	74.04	28.78	---	---	45.26	Blaine Tech
	4/16/2012	74.04	30.49	30.31	0.18	43.69	Blaine Tech
	7/9/2012	---	NM	---	---	NC	Blaine Tech
	10/15/2012	77.48	31.34	---	---	46.14	Blaine Tech
	4/8/2013	77.48	NM	---	---	NC	Blaine Tech
	6/14/2013	77.48	33.35	32.40	0.95	44.89	Blaine Tech
	10/7/2013	77.48	35.42	31.61	3.81	45.11	Blaine Tech
	4/14/2014	77.48	37.74	32.01	5.73	44.32	Blaine Tech
	5/5/2014	77.48	37.81	32.09	5.72	44.25	Nieto & Sons
	5/12/2014	77.48	37.52	32.14	5.38	44.26	Nieto & Sons
	5/20/2014	77.48	37.39	32.21	5.18	44.23	Nieto & Sons
	5/27/2014	77.48	37.95	32.90	5.05	43.57	Nieto & Sons
	6/4/2014	77.48	37.00	32.70	4.30	43.92	Nieto & Sons
	6/10/2014	77.48	37.85	32.98	4.87	43.53	Nieto & Sons
7/3/2014	77.48	39.60	33.04	6.56	43.13	Nieto & Sons	
7/8/2014	77.48	38.67	32.89	5.78	43.43	Blaine Tech	
7/18/2014	77.48	38.64	32.86	5.78	43.46	Blaine Tech	
7/24/2014	77.48	38.27	32.82	5.45	43.57	Blaine Tech	
8/1/2014	77.48	37.00	32.55	4.45	44.04	Blaine Tech	
8/8/2014	77.48	36.97	32.51	4.46	44.08	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-24 Continued	8/13/2014	77.48	36.82	32.54	4.28	44.08	Blaine Tech
	8/19/2014	77.48	36.92	32.55	4.37	44.06	Blaine Tech
	8/29/2014	77.48	36.92	32.51	4.41	44.09	Blaine Tech
	9/5/2014	77.48	36.97	32.55	4.42	44.05	Blaine Tech
	9/11/2014	77.48	37.99	32.57	5.42	43.83	Blaine Tech
	9/18/2014	77.48	36.89	32.60	4.29	44.02	Blaine Tech
	9/26/2014	77.48	36.86	32.58	4.28	44.04	Blaine Tech
	10/1/2014	77.48	36.64	32.61	4.03	44.06	Blaine Tech
	10/6/2014	77.48	36.93	32.92	4.01	43.76	Blaine Tech
	10/14/2014	77.48	36.92	32.88	4.04	43.79	Blaine Tech
	10/23/2014	77.48	37.00	32.90	4.10	43.76	Blaine Tech
	10/27/2014	77.48	36.82	32.91	3.91	43.79	Blaine Tech
	11/3/2014	77.48	37.01	32.99	4.02	43.69	Blaine Tech
	11/10/2014	77.48	37.33	33.95	3.38	42.85	Blaine Tech
	11/18/2014	77.48	36.96	33.01	3.95	43.68	Blaine Tech
	11/25/2014	77.48	36.91	33.55	3.36	43.26	Blaine Tech
	12/3/2014	77.48	36.87	32.99	3.88	43.71	Blaine Tech
	12/12/2014	77.48	37.36	33.25	4.11	43.41	Blaine Tech
	12/19/2014	77.48	37.75	33.31	4.44	43.28	Blaine Tech
	3/10/2015	77.48	36.25	---	---	41.23	Kinder Morgan
	4/20/2015	77.48	36.29	33.82	2.47	43.17	Blaine Tech
	7/24/2015	77.48	39.80	33.70	6.10	42.56	Blaine Tech
	10/20/2015	77.48	35.44	---	---	42.04	Kinder Morgan
	3/16/2016	77.48	38.83	---	---	38.65	Kinder Morgan
	4/11/2016	77.48	37.10	---	---	40.38	Blaine Tech
	6/29/2016	77.48	38.20	---	---	39.28	Blaine Tech
	8/22/2016	77.48	38.40	---	---	39.08	Blaine Tech
	10/3/2016	77.48	38.70	---	---	39.44	Blaine Tech
	4/17/2017	77.48	35.64	35.09	0.55	42.28	Blaine Tech
	10/2/2017	77.48	39.33	---	---	38.15	Blaine Tech
4/16/2018	77.48	38.98	---	---	38.50	Blaine Tech	
11/5/2018	77.48	38.63	38.19	0.44	39.20	Blaine Tech	
4/16/2019	77.48	38.43	---	---	39.05	Blaine Tech	
10/28/2019	77.48	38.65	---	---	38.83	Blaine Tech	
5/4/2020	77.48	36.24	---	---	41.24	Blaine Tech	
11/2/2020	77.48	36.58	---	---	40.90	Blaine Tech	
5/3/2021	77.48	37.18	---	---	40.30	Blaine Tech	
GMW-25	4/30/2007	74.29	26.60	---	---	47.69	Secor
	11/12/2007	74.29	27.30	27.25	0.05	47.03	Stantec
	8/12/2008	74.29	27.81	---	---	46.48	Envent
	10/17/2008	74.29	28.26	---	---	46.03	Envent
	12/18/2008	74.29	29.01	---	---	45.28	Envent
	1/15/2009	74.29	28.62	---	---	45.67	Envent
	3/24/2009	74.29	28.79	---	---	45.50	Envent
	4/21/2009	74.29	28.35	---	---	45.94	Envent
	7/21/2009	74.29	29.80	---	---	44.49	Envent
	10/19/2009	74.29	30.28	---	---	44.01	Blaine Tech
	6/22/2010	74.29	31.64	---	---	42.65	Blaine Tech
	10/4/2010	74.29	29.25	---	---	45.04	Blaine Tech
	4/11/2011	74.29	26.21	---	---	48.08	Blaine Tech
	10/10/2011	74.29	30.02	---	---	44.27	Blaine Tech
	4/16/2012	74.29	31.30	---	---	42.99	Blaine Tech
	7/9/2012	---	NM	---	---	NC	Blaine Tech
	10/15/2012	78.14	31.88	---	---	46.26	Blaine Tech
	4/8/2013	78.14	32.11	---	---	46.03	Blaine Tech
	10/7/2013	78.14	33.23	33.10	0.13	45.01	Blaine Tech
	4/14/2014	78.14	37.40	33.00	4.40	44.13	Blaine Tech
5/5/2014	78.14	37.51	33.06	4.45	44.06	Nieto & Sons	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-25 Continued	5/12/2014	78.14	34.97	33.73	1.24	44.12	Nieto & Sons
	5/20/2014	78.14	36.75	34.30	2.45	43.28	Nieto & Sons
	5/27/2014	78.14	34.64	34.44	0.20	43.65	Nieto & Sons
	6/4/2014	78.14	35.00	---	---	43.14	Nieto & Sons
	6/10/2014	78.14	36.67	34.18	2.49	43.39	Nieto & Sons
	7/3/2014	78.14	34.21	---	---	43.93	Nieto & Sons
	7/24/2014	78.14	34.29	---	---	43.85	Blaine Tech
	8/1/2014	78.14	35.02	33.99	1.03	43.91	Blaine Tech
	8/8/2014	78.14	34.54	34.06	0.48	43.97	Blaine Tech
	8/14/2014	78.14	34.48	34.06	0.42	43.98	Blaine Tech
	8/19/2014	78.14	34.51	34.07	0.44	43.97	Blaine Tech
	8/29/2014	78.14	34.65	33.96	0.69	44.02	Blaine Tech
	9/18/2014	78.14	35.21	34.01	1.20	43.85	Blaine Tech
	9/26/2014	78.14	34.87	34.06	0.81	43.89	Blaine Tech
	10/1/2014	78.14	34.92	33.98	0.94	43.94	Blaine Tech
	10/6/2014	78.14	34.93	33.99	0.94	43.93	Blaine Tech
	10/14/2014	78.14	35.10	33.91	1.19	43.96	Blaine Tech
	10/23/2014	78.14	35.34	33.91	1.43	43.90	Blaine Tech
	10/27/2014	78.14	34.78	33.95	0.83	44.00	Blaine Tech
	11/3/2014	78.14	34.92	33.98	0.94	43.94	Blaine Tech
	11/10/2014	78.14	35.12	34.02	1.10	43.87	Blaine Tech
	11/18/2014	78.14	34.90	34.11	0.79	43.85	Blaine Tech
	11/25/2014	78.14	35.07	34.07	1.00	43.84	Blaine Tech
	12/3/2014	78.14	35.10	33.98	1.12	43.90	Blaine Tech
	12/12/2014	78.14	35.22	34.30	0.92	43.63	Blaine Tech
	12/19/2014	78.14	35.05	34.50	0.55	43.51	Blaine Tech
	4/20/2015	78.14	35.19	34.47	0.72	43.50	Blaine Tech
	6/25/2015	78.14	36.35	35.40	0.95	42.52	Blaine Tech
	10/20/2015	78.14	35.40	35.38	0.02	42.76	Kinder Morgan
	3/16/2016	78.14	38.99	---	---	39.15	Kinder Morgan
4/12/2016	78.14	37.15	---	---	40.99	Kinder Morgan	
6/29/2016	78.14	38.40	---	---	39.74	Blaine Tech	
8/22/2016	78.14	38.44	---	---	39.70	Blaine Tech	
10/3/2016	78.14	38.70	---	---	39.44	Blaine Tech	
4/17/2017	78.14	35.23	---	---	42.91	Blaine Tech	
10/2/2017	78.14	39.22	---	---	38.92	Blaine Tech	
4/16/2018	78.14	38.85	---	---	39.29	Blaine Tech	
11/5/2018	78.14	38.70	---	---	39.44	Blaine Tech	
4/16/2019	78.14	36.89	---	---	41.25	Blaine Tech	
10/28/2019	78.14	37.10	---	---	41.04	Blaine Tech	
5/4/2020	78.14	36.49	---	---	41.65	Blaine Tech	
11/2/2020	78.14	36.98	---	---	41.16	Blaine Tech	
5/3/2021	78.14	37.42	---	---	40.72	Blaine Tech	
GMW-36	3/12/2007	74.53	24.29	---	---	50.24	Secor
	4/30/2007	74.53	24.40	---	---	50.13	Secor
	8/28/2007	74.53	24.31	---	---	50.22	Stantec
	11/12/2007	74.53	24.86	24.85	0.01	49.68	Stantec
	2/19/2008	74.53	25.50	---	---	49.03	Stantec
	4/14/2008	74.53	24.61	---	---	49.92	Stantec
	8/8/2008	74.53	26.20	26.14	0.06	48.38	Envent
	10/16/2008	74.77	26.11	26.09	0.02	48.68	Envent
	12/18/2008	74.53	28.70	28.65	0.05	45.87	Envent
	1/15/2009	74.53	27.73	27.45	0.28	47.02	Envent
	2/20/2009	74.53	26.39	26.35	0.04	48.17	Envent
	2/23/2009	74.53	26.13	25.80	0.33	48.66	Blaine Tech
	3/24/2009	74.53	29.83	---	---	44.70	Envent
	4/20/2009	74.53	25.63	25.59	0.04	48.93	Blaine Tech
7/17/2009	74.53	27.40	---	---	47.13	Envent	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-36 Continued	7/20/2009	74.53	25.90	---	---	48.63	Blaine Tech
	7/21/2009	74.53	26.03	---	---	48.50	Envent
	7/22/2009	74.53	25.90	---	---	48.63	Blaine Tech
	10/19/2009	74.53	26.56	26.45	0.11	48.06	Blaine Tech
	2/4/2010	74.53	26.93	26.80	0.13	47.70	Kinder Morgan
	3/15/2010	74.53	26.80	---	---	47.73	Blaine Tech
	4/16/2010	74.53	26.90	---	---	47.63	Blaine Tech
	5/24/2010	74.53	25.96	25.90	0.06	48.62	Blaine Tech
	5/28/2010	74.53	25.94	25.88	0.06	48.64	Blaine Tech
	6/22/2010	74.53	25.94	25.91	0.03	48.61	Blaine Tech
	7/12/2010	74.53	NM	---	---	NC	
	8/12/2010	74.53	NM	---	---	NC	
	9/20/2010	74.53	NM	---	---	NC	
	10/4/2010	74.53	26.90	---	---	47.63	
	10/24/2010	74.53	26.90	---	---	47.63	Blaine Tech
	11/23/2010	74.53	27.35	27.10	0.25	47.38	Blaine Tech
	12/22/2010	74.53	28.35	26.84	1.51	47.39	Blaine Tech
	1/10/2011	74.53	29.10	27.70	1.40	46.55	Blaine Tech
	2/24/2011	74.53	NM	---	---	NC	Blaine Tech
	3/23/2011	74.53	NM	---	---	NC	Blaine Tech
	4/12/2011	74.53	26.98	25.05	1.93	49.09	Blaine Tech
	5/13/2011	74.53	NM	---	---	NC	Blaine Tech
	6/22/2011	74.53	NM	---	---	NC	
	7/11/2011	74.53	NM	---	---	NC	
	8/19/2011	74.53	NM	---	---	NC	
	9/22/2011	74.53	NM	---	---	NC	
	10/10/2011	74.53	25.96	---	---	48.57	Blaine Tech
	11/28/2011	74.53	NM	---	---	NC	
	12/2/2011	74.53	26.71	---	---	47.82	Kinder Morgan
	12/21/2011	74.53	28.17	---	---	46.36	Blaine Tech
	1/9/2012	74.53	27.26	---	---	47.27	Blaine Tech
	2/23/2012	74.53	27.85	---	---	46.68	Blaine Tech
	3/28/2012	74.53	NM	---	---	NC	Blaine Tech
	4/16/2012	74.53	27.34	---	---	47.19	Blaine Tech
	5/25/2012	74.53	NM	---	---	NC	Blaine Tech
	6/15/2012	---	33.27	---	---	NC	Blaine Tech
	7/9/2012	---	33.71	---	---	NC	Blaine Tech
	8/29/2012	---	NM	---	---	NC	Blaine Tech
	9/26/2012	---	NM	---	---	NC	Blaine Tech
	10/15/2012	76.66	32.11	---	---	44.55	Blaine Tech
11/29/2012	76.66	33.93	31.68	2.25	44.53	Blaine Tech	
12/26/2012	76.66	34.86	30.36	4.50	45.40	Blaine Tech	
1/14/2013	76.66	34.12	30.42	3.70	45.50	Blaine Tech	
2/20/2013	76.66	NM	---	---	NC	Blaine Tech	
4/10/2013	76.66	32.42	29.75	2.67	46.38	Blaine Tech	
10/7/2013	76.66	34.65	30.72	3.93	45.15	Blaine Tech	
4/25/2014	76.66	34.71	31.12	3.59	44.82	Blaine Tech	
5/20/2014	76.66	34.95	31.50	3.45	44.47	Nieto & Sons	
5/27/2014	76.66	34.53	31.29	3.24	44.72	Nieto & Sons	
6/4/2014	76.66	34.93	31.50	3.43	44.47	Nieto & Sons	
8/13/2014	76.66	34.86	31.27	3.59	44.67	Blaine Tech	
8/19/2014	76.66	34.20	31.39	2.81	44.71	Blaine Tech	
8/29/2014	76.66	34.31	31.32	2.99	44.74	Blaine Tech	
9/5/2014	76.66	34.35	31.37	2.98	44.69	Blaine Tech	
9/11/2014	76.66	35.00	31.23	3.77	44.68	Blaine Tech	
9/18/2014	76.66	34.42	31.50	2.92	44.58	Blaine Tech	
9/26/2014	76.66	34.15	31.48	2.67	44.65	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By	
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)		
GMW-36 Continued	10/1/2014	76.66	33.51	31.61	1.90	44.67	Blaine Tech	
	10/6/2014	76.66	33.29	31.63	1.66	44.70	Blaine Tech	
	10/14/2014	76.66	33.48	31.55	1.93	44.72	Blaine Tech	
	10/23/2014	76.66	33.64	31.57	2.07	44.68	Blaine Tech	
	10/27/2014	76.66	33.02	31.79	1.23	44.62	Blaine Tech	
	11/3/2014	76.66	33.75	31.57	2.18	44.65	Blaine Tech	
	11/18/2014	76.66	33.17	31.75	1.42	44.63	Blaine Tech	
	11/25/2014	76.66	33.13	31.86	1.27	44.55	Blaine Tech	
	12/3/2014	76.66	32.93	31.75	1.18	44.67	Blaine Tech	
	4/20/2015	76.66	33.64	32.20	1.44	44.17	Blaine Tech	
	10/21/2015	76.66	33.55	33.16	0.39	43.42	Blaine Tech	
	4/12/2016	76.66	34.30	34.03	0.27	42.58	Kinder Morgan	
	10/3/2016	76.66	35.05	34.65	0.40	41.93	Blaine Tech	
	3/9/2017	76.66	33.45	---	---	43.21	CH2M	
	4/17/2017	76.66	32.96	---	---	43.70	Blaine Tech	
	10/2/2017	76.66	34.10	---	---	42.56	Blaine Tech	
	4/16/2018	76.66	35.18	---	---	41.48	Blaine Tech	
	11/5/2018	76.66	35.91	---	---	40.75	Blaine Tech	
	4/23/2019	76.66	33.56	---	---	43.10	Blaine Tech	
	10/28/2019	76.66	34.86	34.84	0.02	41.82	Blaine Tech	
	5/4/2020	76.66	31.03	---	---	45.63	Blaine Tech	
	11/2/2020	76.66	Sludge in well, unable to gauge					Blaine Tech
	2/24/2021	76.66	35.18	---	---	48.82	Blaine Tech	
5/3/2021	76.66	30.69	---	---	45.97	Blaine Tech		
8/31/2021	76.66	30.47	---	---	46.19	Blaine Tech		
GMW-O-11	4/30/2007	74.17	23.91	23.90	0.01	50.27	Secor	
	11/12/2007	74.17	24.40	---	---	49.77	Stantec	
	8/15/2008	74.17	29.30	---	---	44.87	Envent	
	10/17/2008	74.17	24.45	---	---	49.72	Envent	
	12/19/2008	74.17	24.85	---	---	49.32	Envent	
	1/15/2009	74.17	26.87	24.38	2.49	49.29	Envent	
	2/24/2009	74.17	24.31	24.21	0.10	49.94	Envent	
	3/27/2009	74.17	31.08	---	---	43.09	Envent	
	4/21/2009	74.17	25.36	25.34	0.02	48.83	Envent	
	7/21/2009	74.17	26.18	---	---	47.99	Envent	
	10/19/2009	74.17	NM	---	---	NC	Blaine Tech	
	11/6/2009	74.17	26.33	26.18	0.15	47.96	Kinder Morgan	
	10/4/2010	74.17	30.00	---	---	44.17	Blaine Tech	
	4/13/2011	74.17	24.19	---	---	49.98	Blaine Tech	
	10/10/2011	74.17	24.38	---	---	49.79	Blaine Tech	
	4/16/2012	74.17	NM	---	---	NC	Blaine Tech	
	7/9/2012	74.17	NM	---	---	NC	Blaine Tech	
	10/15/2012	74.17	28.12	---	---	46.05	Blaine Tech	
	4/8/2013	74.17	NM	---	---	NC	Blaine Tech	
	9/24/2013	74.17	31.25	28.15	3.10	45.40	Blaine Tech	
	10/7/2013	74.17	31.19	27.69	3.50	45.78	Blaine Tech	
	4/25/2014	74.17	28.96	28.62	0.34	45.48	Blaine Tech	
	9/5/2014	74.17	31.13	27.89	3.24	45.63	Blaine Tech	
	9/11/2014	74.17	31.12	27.85	3.27	45.67	Blaine Tech	
	9/18/2014	74.17	31.22	27.85	3.37	45.65	Blaine Tech	
	9/26/2014	74.17	31.34	27.91	3.43	45.57	Blaine Tech	
	10/1/2014	74.17	31.19	27.84	3.35	45.66	Blaine Tech	
10/6/2014	74.17	32.19	27.84	4.35	45.46	Blaine Tech		
10/14/2014	74.17	31.18	28.85	2.33	44.85	Blaine Tech		
10/23/2014	74.17	31.34	27.85	3.49	45.62	Blaine Tech		
10/27/2014	74.17	31.28	28.89	2.39	44.80	Blaine Tech		
11/3/2014	74.17	32.34	27.83	4.51	45.44	Blaine Tech		
11/10/2014	74.17	31.46	27.97	3.49	45.50	Blaine Tech		
11/18/2014	74.17	31.41	27.88	3.53	45.58	Blaine Tech		

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-O-11 Continued	11/25/2014	74.17	31.48	27.87	3.61	45.58	Blaine Tech
	12/3/2014	74.17	33.34	29.95	3.39	43.54	Blaine Tech
	12/12/2014	74.17	33.25	29.08	4.17	44.26	Blaine Tech
	12/19/2014	74.17	32.52	28.09	4.43	45.19	Blaine Tech
	4/22/2015	74.17	31.54	28.10	3.44	45.38	Blaine Tech
	10/22/2015	74.17	33.08	29.23	3.85	44.17	Kinder Morgan
	3/16/2016	74.17	33.39	33.16	0.23	40.96	Kinder Morgan
	4/12/2016	74.17	33.33	33.12	0.21	41.01	Kinder Morgan
	6/30/2016	74.17	31.50	---	---	42.67	Kinder Morgan
	8/22/2016	74.17	32.75	32.74	0.01	41.43	Kinder Morgan
	10/3/2016	74.17	32.72	32.71	0.01	41.46	Kinder Morgan
	3/24/2017	74.17	31.50	30.45	1.05	43.51	CH2M
	4/17/2017	74.17	30.12	29.96	0.16	44.18	Blaine Tech
	10/2/2017	74.17	33.54	---	---	40.63	Blaine Tech
	4/16/2018	74.17	NM	---	---	NC	Blaine Tech
	11/5/2018	74.17	33.22	33.11	0.11	41.04	Blaine Tech
	4/16/2019	74.17	NM	---	---	NC	Blaine Tech
	10/28/2019	74.17	NM	---	---	NC	Blaine Tech
	5/4/2020	74.17	30.94	---	---	43.23	Blaine Tech
	8/20/2020	74.17	30.89	---	---	43.28	Blaine Tech
11/2/2020	74.17	30.30	---	---	43.87	Blaine Tech	
2/24/2021	74.17	32.18	---	---	47.87	Blaine Tech	
5/3/2021	74.17	31.89	---	---	42.28	Blaine Tech	
8/31/2021	74.17	31.50	---	---	42.67	Blaine Tech	
GMW-O-12	4/30/2007	73.49	22.81	---	---	50.68	Secor
	11/12/2007	73.49	23.13	---	---	50.36	Stantec
	4/14/2008	73.49	23.36	---	---	50.13	Stantec
	10/13/2008	73.49	24.20	---	---	49.29	Stantec
	4/20/2009	73.49	24.21	---	---	49.28	Blaine Tech
	10/19/2009	73.49	25.08	---	---	48.41	Blaine Tech
	5/24/2010	73.49	24.80	---	---	48.69	Blaine Tech
	5/28/2010	73.49	24.74	---	---	48.75	Blaine Tech
	10/4/2010	73.49	25.31	25.20	0.11	48.27	Blaine Tech
	1/10/2011	73.49	26.42	26.32	0.10	47.15	Blaine Tech
	4/11/2011	73.49	24.04	---	---	49.45	Blaine Tech
	7/11/2011	73.49	NM	---	---	NC	
	10/10/2011	73.49	24.68	---	---	48.81	Blaine Tech
	1/9/2012	73.49	25.12	---	---	48.37	Blaine Tech
	4/16/2012	73.49	25.40	---	---	48.09	Blaine Tech
	7/9/2012	73.49	26.96	---	---	46.53	Blaine Tech
	10/15/2012	73.49	25.48	25.44	0.04	48.04	Blaine Tech
	1/14/2013	73.49	25.62	25.58	0.04	47.90	Blaine Tech
	4/8/2013	73.49	26.60	26.51	0.09	46.96	Blaine Tech
	9/24/2013	73.49	27.90	27.74	0.16	45.72	Blaine Tech
	10/7/2013	73.49	27.34	27.28	0.06	46.20	Blaine Tech
	4/14/2014	73.49	30.34	26.80	3.54	45.96	Blaine Tech
	5/6/2014	73.49	30.93	26.74	4.19	45.89	Nieto & Sons
	5/12/2014	73.49	30.81	26.82	3.99	45.85	Nieto & Sons
	5/20/2014	73.49	31.78	27.32	4.46	45.26	Nieto & Sons
	5/27/2014	73.49	33.04	26.78	6.26	45.43	Nieto & Sons
	6/4/2014	73.49	33.00	27.75	5.25	44.66	Nieto & Sons
	6/10/2014	73.49	34.53	26.81	7.72	45.10	Nieto & Sons
	7/3/2014	73.49	34.27	26.94	7.33	45.05	Blaine Tech
	7/8/2014	73.49	33.87	26.87	7.00	45.19	Blaine Tech
7/18/2014	73.49	33.36	27.07	6.29	45.13	Blaine Tech	
7/24/2014	73.49	33.00	26.98	6.02	45.28	Blaine Tech	
8/1/2014	73.49	31.80	26.83	4.97	45.64	Blaine Tech	
8/8/2014	73.49	31.26	26.91	4.35	45.69	Blaine Tech	
8/13/2014	73.49	31.18	26.88	4.30	45.73	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-O-12 Continued	8/19/2014	73.49	31.01	26.86	4.15	45.78	Blaine Tech
	8/29/2014	73.49	31.03	26.89	4.14	45.75	Blaine Tech
	9/5/2014	73.49	31.19	26.88	4.31	45.73	Blaine Tech
	9/18/2014	73.49	31.30	26.82	4.48	45.75	Blaine Tech
	9/26/2014	73.49	31.33	26.89	4.44	45.69	Blaine Tech
	10/1/2014	73.49	31.21	26.85	4.36	45.75	Blaine Tech
	10/6/2014	73.49	31.20	29.84	1.36	43.37	Blaine Tech
	10/14/2014	73.49	31.14	26.86	4.28	45.75	Blaine Tech
	10/23/2014	73.49	31.30	26.85	4.45	45.73	Blaine Tech
	10/27/2014	73.49	31.28	26.90	4.38	45.69	Blaine Tech
	11/3/2014	73.49	32.30	26.84	5.46	45.53	Blaine Tech
	11/10/2014	73.49	31.45	26.91	4.54	45.65	Blaine Tech
	11/18/2014	73.49	32.34	26.90	5.44	45.47	Blaine Tech
	11/25/2014	73.49	31.57	27.87	3.70	44.86	Blaine Tech
	12/3/2014	73.49	33.87	28.81	5.06	43.64	Blaine Tech
	12/19/2014	73.49	32.78	26.97	5.81	45.33	Blaine Tech
	4/20/2015	73.49	33.35	26.91	6.44	45.26	Blaine Tech
	4/22/2015	73.49	33.35	26.91	6.44	45.26	Blaine Tech
	5/21/2015	73.49	34.31	27.35	6.96	44.71	Northstar
	5/29/2015	73.49	34.15	27.24	6.91	44.83	Northstar
	6/2/2015	73.49	34.00	27.27	6.73	44.84	Northstar
	6/5/2015	73.49	34.00	27.50	6.50	44.66	Northstar
	6/12/2015	73.49	33.96	27.35	6.61	44.78	Northstar
	6/19/2015	73.49	33.98	27.58	6.40	44.60	Northstar
	6/26/2015	73.49	33.97	28.15	5.82	44.15	Northstar
	7/2/2015	73.49	33.83	28.20	5.63	44.14	Northstar
	7/7/2015	73.49	33.60	27.93	5.67	44.40	Northstar
	7/17/2015	73.49	33.57	27.85	5.72	44.47	Northstar
	7/24/2015	73.49	33.15	28.25	4.90	44.24	Northstar
	7/29/2015	73.49	33.02	28.10	4.92	44.38	Northstar
	8/11/2015	73.49	33.00	28.90	4.10	43.75	Northstar
	8/18/2015	73.49	32.65	28.23	4.42	44.35	Northstar
	8/28/2015	73.49	32.41	28.17	4.24	44.45	Kinder Morgan
	9/1/2015	73.49	33.18	28.65	4.53	43.91	Kinder Morgan
	9/25/2015	73.49	34.69	28.03	6.66	44.09	Kinder Morgan
	10/16/2015	73.49	34.63	27.83	6.80	44.27	Kinder Morgan
	10/19/2015	73.49	34.65	27.82	6.83	44.27	Blaine Tech
	10/30/2015	73.49	39.38	28.11	11.27	43.07	Kinder Morgan
	3/14/2016	73.49	32.40	31.60	0.80	41.73	Blaine Tech
	4/11/2016	73.49	33.35	26.86	6.49	45.30	Blaine Tech
6/29/2016	73.49	33.90	33.10	0.80	40.23	Blaine Tech	
8/22/2016	73.49	33.56	31.07	2.49	41.91	Blaine Tech	
10/3/2016	73.49	34.20	31.90	2.30	41.12	Blaine Tech	
4/17/2017	73.49	32.90	28.70	4.20	43.95	Blaine Tech	
10/2/2017	73.49	33.20	32.00	1.20	41.25	Blaine Tech	
4/16/2018	73.49	33.04	31.89	1.15	41.37	Blaine Tech	
11/5/2018	73.49	32.65	32.31	0.34	41.11	Blaine Tech	
4/16/2019	73.49	31.62	31.21	0.41	42.20	Blaine Tech	
10/28/2019	73.49	32.45	31.85	0.60	41.52	Blaine Tech	
5/4/2020	73.49	30.35	30.04	0.31	43.39	Blaine Tech	
8/20/2020	73.49	31.98	31.75	0.23	41.69	Blaine Tech	
11/2/2020	73.49	31.65	30.27	1.38	42.94	Blaine Tech	
2/24/2021	73.49	31.97	31.45	0.52	41.94	Blaine Tech	
5/3/2021	73.49	31.66	31.05	0.61	41.83	Blaine Tech	
8/31/2021	73.49	25.89	25.89	0.00	47.60	Blaine Tech	
GMW-O-15	4/30/2007	74.23	23.41	23.30	0.11	50.91	Secor
	11/12/2007	74.23	23.95	23.85	0.10	50.36	Stantec
	4/14/2008	74.23	23.64	---	---	50.59	Stantec
	8/8/2008	74.23	24.60	---	---	49.63	Envent

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-O-15 Continued	8/11/2008	74.23	24.40	24.34	0.06	49.88	Stantec
	10/16/2008	74.23	24.53	---	---	49.70	Envent
	12/18/2008	74.23	24.86	---	---	49.37	Envent
	1/2/2009	74.23	24.82	---	---	49.41	Envent
	1/15/2009	74.23	26.01	---	---	48.22	Envent
	2/20/2009	74.23	24.80	---	---	49.43	Envent
	2/23/2009	74.23	24.76	24.74	0.02	49.49	Blaine Tech
	3/24/2009	74.23	25.55	---	---	48.68	Envent
	4/20/2009	74.23	24.66	24.61	0.05	49.61	Blaine Tech
	7/17/2009	74.23	25.01	---	---	49.22	Envent
	7/20/2009	74.23	24.99	24.94	0.05	49.28	Blaine Tech
	7/22/2009	74.23	24.99	24.94	0.05	49.28	Blaine Tech
	10/19/2009	74.23	25.55	25.43	0.12	48.78	Blaine Tech
	2/4/2010	74.23	25.50	25.48	0.02	48.75	Kinder Morgan
	3/15/2010	74.23	NM	---	---	NC	
	4/16/2010	74.23	23.10	---	---	51.13	Blaine Tech
	5/24/2010	74.23	25.67	---	---	48.56	Blaine Tech
	5/28/2010	74.23	25.35	---	---	48.88	Blaine Tech
	6/22/2010	74.23	25.81	---	---	48.42	Blaine Tech
	7/12/2010	74.23	NM	---	---	NC	
	8/12/2010	74.23	NM	---	---	NC	
	9/20/2010	74.23	NM	---	---	NC	
	10/4/2010	74.23	25.85	25.80	0.05	48.42	Blaine Tech
	11/23/2010	74.23	NM	---	---	NC	Blaine Tech
	12/22/2010	74.23	26.31	---	---	47.92	Blaine Tech
	1/10/2011	74.23	25.97	---	---	48.26	Blaine Tech
	2/24/2011	74.23	NM	---	---	NC	Blaine Tech
	3/23/2011	74.23	NM	---	---	NC	Blaine Tech
	4/12/2011	74.23	22.55	22.53	0.02	51.70	Blaine Tech
	5/13/2011	74.23	NM	---	---	NC	Blaine Tech
	6/22/2011	74.23	NM	---	---	NC	
	7/11/2011	74.23	NM	---	---	NC	
	8/19/2011	74.23	NM	---	---	NC	
	9/22/2011	74.23	NM	---	---	NC	
	10/10/2011	74.23	23.79	23.22	0.57	50.90	Blaine Tech
	11/28/2011	74.23	NM	---	---	NC	
	12/2/2011	74.23	23.92	23.86	0.06	50.36	Kinder Morgan
	12/21/2011	74.23	31.13	---	---	43.10	Blaine Tech
	1/9/2012	74.23	27.67	---	---	46.56	Blaine Tech
	2/23/2012	74.23	31.82	---	---	42.41	Blaine Tech
3/28/2012	74.23	30.30	---	---	43.93	Blaine Tech	
4/16/2012	74.23	26.56	26.51	0.05	47.71	Blaine Tech	
5/25/2012	74.23	26.64	---	---	47.59	Blaine Tech	
6/15/2012	74.23	26.93	---	---	47.30	Blaine Tech	
7/9/2012	74.23	25.47	---	---	48.76	Blaine Tech	
8/29/2012	74.23	NM	---	---	NC	Blaine Tech	
9/26/2012	74.23	30.64	---	---	43.59	Blaine Tech	
10/15/2012	74.23	31.82	---	---	42.41	Blaine Tech	
11/29/2012	74.23	NM	---	---	NC	Blaine Tech	
12/26/2012	74.23	27.41	---	---	46.82	Blaine Tech	
1/14/2013	74.23	27.62	---	---	46.61	Blaine Tech	
2/20/2013	74.23	NM	---	---	NC	Blaine Tech	
4/10/2013	74.23	NM	---	---	NC	Blaine Tech	
4/26/2013	74.23	27.90	---	---	46.33	Kinder Morgan	
10/7/2013	74.23	29.03	28.26	0.77	45.82	Blaine Tech	
4/18/2014	74.23	28.40	28.08	0.32	46.09	Blaine Tech	
8/14/2014	74.23	32.59	28.26	4.33	45.10	Blaine Tech	
8/19/2014	74.23	32.34	28.23	4.11	45.18	Blaine Tech	
8/29/2014	74.23	31.84	28.25	3.59	45.26	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-O-15 Continued	9/5/2014	74.23	31.91	28.29	3.62	45.22	Blaine Tech
	9/11/2014	74.23	32.16	28.79	3.37	44.77	Blaine Tech
	9/18/2014	74.23	32.50	28.23	4.27	45.15	Blaine Tech
	9/26/2014	74.23	32.20	28.27	3.93	45.17	Blaine Tech
	10/1/2014	74.23	31.93	28.28	3.65	45.22	Blaine Tech
	10/6/2014	74.23	31.91	28.27	3.64	45.23	Blaine Tech
	10/14/2014	74.23	31.85	28.29	3.56	45.23	Blaine Tech
	10/23/2014	74.23	32.10	28.30	3.80	45.17	Blaine Tech
	10/27/2014	74.23	31.89	28.30	3.59	45.21	Blaine Tech
	11/18/2014	74.23	31.86	28.39	3.47	45.15	Blaine Tech
	11/25/2014	74.23	32.36	28.35	4.01	45.08	Blaine Tech
	12/3/2014	74.23	31.73	28.36	3.37	45.20	Blaine Tech
	12/12/2014	74.23	32.61	28.54	4.07	44.88	Blaine Tech
	12/19/2014	74.23	32.62	28.37	4.25	45.01	Blaine Tech
	4/20/2015	74.23	31.93	28.82	3.11	44.79	Blaine Tech
	10/19/2015	74.23	31.91	28.89	3.02	44.74	Blaine Tech
	4/12/2016	74.23	29.78	---	---	44.45	Kinder Morgan
	10/3/2016	74.86	31.00	30.92	0.08	43.92	Kinder Morgan
	3/9/2017	74.86	29.94	---	---	44.92	CH2M
	4/17/2017	74.86	29.65	29.52	0.13	45.31	Blaine Tech
	10/2/2017	74.86	31.92	30.33	1.59	44.21	Blaine Tech
	4/16/2018	74.86	31.79	31.67	0.12	43.17	Blaine Tech
	11/5/2018	74.86	32.38	---	---	42.48	Blaine Tech
4/23/2019	74.86	29.84	29.84	0.00	45.02	Blaine Tech	
10/31/2019	74.86	29.28	---	---	45.58	Blaine Tech	
5/4/2020	74.86	31.13	---	---	43.73	Blaine Tech	
11/2/2020	74.86	26.89	---	---	47.97	Blaine Tech	
5/3/2021	74.86	28.62	---	---	46.24	Blaine Tech	
GMW-O-18	4/30/2007	74.36	24.21	---	---	50.15	Secor
	11/12/2007	74.36	22.46	---	---	51.90	Secor
	4/14/2008	74.36	24.50	---	---	49.86	Secor
	10/13/2008	74.36	25.46	---	---	48.90	Stantec
	4/20/2009	74.36	25.59	---	---	48.77	Blaine Tech
	10/19/2009	74.36	26.31	---	---	48.05	Blaine Tech
	3/15/2010	74.36	26.54	---	---	47.82	Blaine Tech
	4/16/2010	74.36	24.25	---	---	50.11	Blaine Tech
	5/24/2010	74.36	26.26	---	---	48.10	Blaine Tech
	5/28/2010	74.36	26.03	---	---	48.33	Blaine Tech
	6/22/2010	74.36	26.41	---	---	47.95	
	7/12/2010	74.36	NM	---	---	NC	
	8/12/2010	74.36	NM	---	---	NC	
	9/20/2010	74.36	NM	---	---	NC	
	10/4/2010	74.36	29.95	---	---	44.41	Blaine Tech
	11/16/2010	74.36	NM	---	---	NC	
	12/22/2010	74.36	NM	---	---	NC	
	1/10/2011	74.36	NM	---	---	NC	
	2/24/2011	74.36	NM	---	---	NC	Blaine Tech
	3/23/2011	74.36	NM	---	---	NC	Blaine Tech
	4/12/2011	74.36	NM	---	---	NC	Blaine Tech
	5/13/2011	74.36	NM	---	---	NC	Blaine Tech
	6/22/2011	74.36	NM	---	---	NC	
	7/11/2011	74.36	NM	---	---	NC	
	8/19/2011	74.36	NM	---	---	NC	
	9/22/2011	74.36	NM	---	---	NC	
10/10/2011	74.36	23.68	---	---	50.68	Blaine Tech	
11/28/2011	74.36	NM	---	---	NC		
12/2/2011	74.36	24.22	---	---	50.14	Blaine Tech	
12/21/2011	74.36	27.14	---	---	47.22	Blaine Tech	
2/23/2012	74.36	31.18	---	---	43.18	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-O-18 Continued	3/28/2012	74.36	NM	---	---	NC	Blaine Tech
	4/16/2012	74.36	27.10	---	---	47.26	Blaine Tech
	5/25/2012	74.36	27.31	---	---	47.05	Blaine Tech
	6/15/2012	74.36	35.13	---	---	39.23	Blaine Tech
	7/9/2012	74.36	29.51	---	---	44.85	Blaine Tech
	8/29/2012	74.36	NM	---	---	NC	Blaine Tech
	9/26/2012	74.36	30.83	---	---	43.53	Blaine Tech
	10/15/2012	74.36	29.73	---	---	44.63	Blaine Tech
	11/29/2012	74.36	NM	---	---	NC	Blaine Tech
	12/26/2012	74.36	28.87	---	---	45.49	Blaine Tech
	1/14/2013	74.36	28.92	---	---	45.44	Blaine Tech
	2/20/2013	74.36	NM	---	---	NC	Blaine Tech
	4/10/2013	74.36	28.10	---	---	46.26	Blaine Tech
	10/7/2013	74.36	26.67	---	---	47.69	Blaine Tech
	4/18/2014	74.36	29.43	29.37	0.06	44.98	Blaine Tech
	8/14/2014	74.36	29.87	29.45	0.42	44.83	Blaine Tech
	8/19/2014	74.36	29.97	29.58	0.39	44.70	Blaine Tech
	8/29/2014	74.36	29.77	29.34	0.43	44.93	Blaine Tech
	9/11/2014	74.36	29.96	29.61	0.35	44.68	Blaine Tech
	9/18/2014	74.36	29.95	29.56	0.39	44.72	Blaine Tech
	9/26/2014	74.36	29.97	29.55	0.42	44.73	Blaine Tech
	10/1/2014	74.36	29.90	29.52	0.38	44.76	Blaine Tech
	10/6/2014	74.36	29.94	29.56	0.38	44.72	Blaine Tech
	10/14/2014	74.36	29.94	29.58	0.36	44.71	Blaine Tech
	10/23/2014	74.36	30.00	29.62	0.38	44.66	Blaine Tech
	10/27/2014	74.36	29.95	29.52	0.43	44.75	Blaine Tech
	4/20/2015	74.36	28.53	---	---	45.83	Blaine Tech
	10/19/2015	74.36	30.90	---	---	43.46	Blaine Tech
	4/12/2016	74.36	31.63	---	---	42.73	Blaine Tech
	12/13/2016	74.32	35.95	31.01	4.94	42.32	Blaine Tech
	12/14/2016	74.32	32.60	---	---	41.72	Blaine Tech
	3/6/2017	74.32	33.40	32.60	0.80	41.56	CH2M
4/17/2017	74.32	31.83	31.80	0.03	42.51	Blaine Tech	
10/2/2017	74.32	31.32	31.30	0.02	43.02	Blaine Tech	
4/16/2018	74.32	NM	---	---	NC	Blaine Tech	
11/5/2018	74.32	33.03	32.90	0.13	41.39	Blaine Tech	
4/16/2019	74.32	30.89	---	---	43.43	Blaine Tech	
10/28/2019	74.32	32.05	---	---	42.27	Blaine Tech	
5/4/2020	74.32	31.68	---	---	42.64	Blaine Tech	
11/2/2020	74.32	27.25	---	---	47.07	Blaine Tech	
5/3/2021	74.32	29.77	---	---	44.55	Blaine Tech	
GMW-O-20	8/15/2008	73.32	25.90	---	---	47.42	Envent
	10/17/2008	73.32	25.82	---	---	47.50	Envent
	12/19/2008	73.32	27.15	---	---	46.17	Envent
	1/15/2009	73.32	26.53	26.09	0.44	47.15	Envent
	2/24/2009	73.32	27.85	---	---	45.47	Envent
	3/20/2009	73.32	28.81	---	---	44.51	Envent
	3/27/2009	73.32	27.84	---	---	45.48	Envent
	4/21/2009	73.32	28.70	---	---	44.62	Envent
	7/21/2009	73.32	24.10	---	---	49.22	Envent
	10/19/2009	73.32	NM	---	---	NC	Blaine Tech
	11/9/2009	73.32	25.60	25.40	0.20	47.88	Kinder Morgan
	6/22/2010	73.32	24.76	24.66	0.10	48.64	Blaine Tech
	10/4/2010	73.32	31.20	31.10	0.10	42.20	Blaine Tech
	1/10/2011	73.32	26.62	26.48	0.14	46.81	Blaine Tech
	4/11/2011	73.32	23.82	---	---	49.50	Blaine Tech
7/11/2011	73.32	NM	---	---	NC		
10/10/2011	73.32	24.05	---	---	49.27	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-O-20 Continued	1/9/2012	73.32	24.68	---	---	48.64	Blaine Tech
	4/16/2012	73.32	26.18	---	---	47.14	Blaine Tech
	7/9/2012	73.32	32.92	---	---	40.40	Blaine Tech
	10/15/2012	73.32	32.97	32.95	0.02	40.37	Blaine Tech
	1/14/2013	73.32	32.98	32.93	0.05	40.38	Blaine Tech
	4/8/2013	73.32	29.63	26.46	3.17	46.27	Blaine Tech
	9/24/2013	73.32	31.10	27.20	3.90	45.40	Blaine Tech
	10/7/2013	73.32	32.09	27.06	5.03	45.33	Blaine Tech
	4/25/2014	73.32	28.48	28.40	0.08	44.91	Blaine Tech
	9/18/2014	73.32	30.71	27.72	2.99	45.05	Blaine Tech
	9/26/2014	73.32	30.87	27.75	3.12	44.99	Blaine Tech
	10/1/2014	73.32	30.52	27.65	2.87	45.14	Blaine Tech
	10/6/2014	73.32	30.50	27.66	2.84	45.13	Blaine Tech
	10/14/2014	73.32	30.63	27.62	3.01	45.14	Blaine Tech
	10/23/2014	73.32	30.80	27.70	3.10	45.05	Blaine Tech
	10/27/2014	73.32	30.70	27.76	2.94	45.02	Blaine Tech
	11/3/2014	73.32	30.81	27.62	3.19	45.11	Blaine Tech
	11/10/2014	73.32	30.94	27.75	3.19	44.98	Blaine Tech
	11/18/2014	73.32	30.91	27.65	3.26	45.07	Blaine Tech
	11/25/2014	73.32	30.95	27.65	3.30	45.06	Blaine Tech
	12/3/2014	73.32	32.56	27.83	4.73	44.61	Blaine Tech
	12/19/2014	73.32	31.72	27.93	3.79	44.69	Blaine Tech
	4/22/2015	73.32	32.25	27.98	4.27	44.55	Blaine Tech
	10/22/2015	73.32	31.36	29.38	1.98	43.57	Kinder Morgan
	3/16/2016	73.32	32.54	---	---	40.78	Kinder Morgan
	4/12/2016	73.32	32.48	---	---	40.84	Kinder Morgan
	6/29/2016	73.32	32.50	---	---	40.82	Blaine Tech
	8/22/2016	73.32	32.18	---	---	41.14	Blaine Tech
	10/3/2016	73.32	33.12	---	---	40.20	Blaine Tech
	3/23/2017	73.32	30.35	---	---	42.97	CH2M
	4/17/2017	73.32	29.70	---	---	43.62	Blaine Tech
	10/2/2017	73.32	33.03	---	---	40.29	Blaine Tech
	4/16/2018	73.32	32.67	---	---	40.65	Blaine Tech
11/5/2018	73.32	32.92	---	---	40.40	Blaine Tech	
4/23/2019	73.32	30.55	---	---	42.77	Blaine Tech	
11/1/2019	73.32	32.53	32.50	0.03	40.81	Blaine Tech	
5/4/2020	73.32	30.70	---	---	42.62	Blaine Tech	
8/20/2020	73.32	31.58	---	---	41.74	Blaine Tech	
11/2/2020	73.32	30.97	---	---	42.35	Blaine Tech	
2/24/2021	73.32	31.99	---	---	37.16	Blaine Tech	
5/3/2021	73.32	32.67	---	---	40.65	Blaine Tech	
8/31/2021	73.32	31.06	---	---	42.26	Blaine Tech	
GMW-O-21	12/28/2007	71.43	27.67	---	---	43.76	Geomatrix
	8/15/2008	73.94	NM	---	---	NC	Envent
	10/17/2008	71.43	26.00	---	---	45.43	Envent
	12/19/2008	71.43	24.82	---	---	46.61	Envent
	3/27/2009	71.43	26.41	---	---	45.02	Envent
	7/21/2009	71.43	24.88	---	---	46.55	Envent
	10/19/2009	71.43	NM	---	---	NC	Blaine Tech
	11/9/2009	71.43	25.02	---	---	46.41	Kinder Morgan
	10/4/2010	71.43	25.40	---	---	46.03	Blaine Tech
	4/13/2011	71.43	23.72	---	---	47.71	Blaine Tech
	10/10/2011	71.43	24.65	---	---	46.78	Blaine Tech
	4/16/2012	71.43	NM	---	---	NC	Blaine Tech
	7/9/2012	71.43	NM	---	---	NC	Blaine Tech
	10/15/2012	71.43	32.50	---	---	38.93	Blaine Tech
	4/8/2013	71.43	NM	---	---	NC	Blaine Tech
9/25/2013	71.43	29.25	---	---	42.18	Blaine Tech	
10/7/2013	71.43	NM	---	---	NC	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-O-21 Continued	4/14/2014	71.43	28.65	28.61	0.04	42.81	Blaine Tech
	9/5/2014	71.43	29.61	28.78	0.83	42.48	Blaine Tech
	9/26/2014	71.43	29.85	28.77	1.08	42.44	Blaine Tech
	10/1/2014	71.43	29.79	28.64	1.15	42.56	Blaine Tech
	10/6/2014	71.43	29.40	28.72	0.68	42.57	Blaine Tech
	10/27/2014	71.43	29.75	28.93	0.82	42.34	Blaine Tech
	11/10/2014	71.43	29.98	28.95	1.03	42.27	Blaine Tech
	11/18/2014	71.43	30.05	28.92	1.13	42.28	Blaine Tech
	11/25/2014	71.43	29.73	28.85	0.88	42.40	Blaine Tech
	12/12/2014	71.43	30.61	29.02	1.59	42.09	Blaine Tech
	12/19/2014	71.43	30.62	29.04	1.58	42.07	Blaine Tech
	4/20/2015	71.43	30.15	28.99	1.16	42.21	Blaine Tech
	6/10/2015	71.43	31.00	30.70	0.30	40.67	Blaine Tech
	7/2/2015	71.43	32.30	29.88	2.42	41.07	Northstar
	7/7/2015	71.43	30.65	30.06	0.59	41.25	Northstar
	7/17/2015	71.43	30.40	30.10	0.30	41.27	Northstar
	7/29/2015	71.43	30.40	30.10	0.30	41.27	Northstar
	8/11/2015	71.43	31.00	30.70	0.30	40.67	Northstar
	10/19/2015	71.43	31.43	31.20	0.23	40.18	Blaine Tech
	3/14/2016	71.43	33.20	33.17	0.03	38.25	Blaine Tech
	4/11/2016	71.43	32.17	31.84	0.33	39.52	Blaine Tech
	6/29/2016	71.43	33.03	32.83	0.20	38.56	Blaine Tech
	8/22/2016	71.43	33.72	---	---	37.71	Blaine Tech
	10/3/2016	71.43	33.45	---	---	37.98	Blaine Tech
	4/17/2017	71.43	30.48	---	---	40.95	Blaine Tech
	10/2/2017	71.43	33.45	---	---	37.98	Blaine Tech
	4/16/2018	71.43	33.13	---	---	38.30	Blaine Tech
	11/5/2018	71.43	33.68	---	---	37.75	Blaine Tech
	4/16/2019	71.43	32.34	---	---	39.09	Blaine Tech
	11/1/2019	71.43	33.00	---	---	38.43	Blaine Tech
5/4/2020	71.43	31.24	---	---	40.19	Blaine Tech	
8/20/2020	71.43	31.93	---	---	39.50	Blaine Tech	
11/2/2020	71.43	30.30	---	---	41.13	Blaine Tech	
2/24/2021	71.43	32.57	---	---	42.70	Blaine Tech	
5/3/2021	71.43	32.17	---	---	39.26	Blaine Tech	
8/31/2021	71.43	31.39	---	---	40.04	Blaine Tech	
GMW-O-23	8/14/2007	73.63	23.33	---	---	50.30	Geomatrix
	8/21/2007	73.63	23.31	---	---	50.32	Geomatrix
	8/28/2007	73.63	23.00	---	---	50.63	Stantec
	9/11/2007	73.63	23.42	---	---	50.21	Geomatrix
	10/5/2007	73.63	27.79	---	---	45.84	Geomatrix
	11/2/2007	73.63	25.15	---	---	48.48	Geomatrix
	11/13/2007	73.63	23.90	---	---	49.73	Stantec
	12/28/2007	73.63	24.91	---	---	48.72	Geomatrix
	8/15/2008	73.63	26.28	---	---	47.35	Envent
	10/17/2008	73.63	27.16	---	---	46.47	Envent
	12/19/2008	73.63	27.60	---	---	46.03	Envent
	1/15/2009	73.63	27.54	---	---	46.09	Envent
	2/24/2009	73.63	26.19	---	---	47.44	Envent
	3/27/2009	73.63	23.74	---	---	49.89	Envent
	4/21/2009	73.63	27.30	---	---	46.33	Envent
	10/19/2009	73.63	NM	---	---	NC	Blaine Tech
	11/9/2009	73.63	27.50	---	---	46.13	Kinder Morgan
	6/22/2010	73.63	32.10	---	---	41.53	Blaine Tech
	10/4/2010	73.63	25.92	---	---	47.71	Blaine Tech
	1/10/2011	73.63	27.45	---	---	46.18	Blaine Tech
4/11/2011	73.63	25.03	---	---	48.60	Blaine Tech	
7/11/2011	73.63	NM	---	---	NC		
10/10/2011	73.63	25.25	---	---	48.38	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-O-23 Continued	1/9/2012	73.63	25.91	---	---	47.72	Blaine Tech
	4/16/2012	73.63	27.38	---	---	46.25	Blaine Tech
	7/9/2012	73.63	27.41	---	---	46.22	Blaine Tech
	10/15/2012	73.63	26.48	---	---	47.15	Blaine Tech
	1/14/2013	73.63	29.35	---	---	44.28	Blaine Tech
	4/8/2013	73.63	29.81	27.74	2.07	45.48	Blaine Tech
	9/23/2013	73.63	29.90	---	---	43.73	Blaine Tech
	10/7/2013	73.63	32.86	28.30	4.56	44.42	Blaine Tech
	4/25/2014	73.63	29.81	29.66	0.15	43.94	Blaine Tech
	9/5/2014	73.63	32.57	28.76	3.81	44.11	Blaine Tech
	9/11/2014	73.63	32.94	28.63	4.31	44.14	Blaine Tech
	9/18/2014	73.63	32.80	28.65	4.15	44.15	Blaine Tech
	9/26/2014	73.63	32.87	28.70	4.17	44.10	Blaine Tech
	10/1/2014	73.63	32.56	28.75	3.81	44.12	Blaine Tech
	10/6/2014	73.63	32.50	28.73	3.77	44.15	Blaine Tech
	10/14/2014	73.63	32.75	28.20	4.55	44.52	Blaine Tech
	10/23/2014	73.63	32.80	28.69	4.11	44.12	Blaine Tech
	10/27/2014	73.63	32.51	28.80	3.71	44.09	Blaine Tech
	11/3/2014	73.63	32.82	29.68	3.14	43.32	Blaine Tech
	11/10/2014	73.63	32.80	28.78	4.02	44.05	Blaine Tech
	11/18/2014	73.63	32.78	29.78	3.00	43.25	Blaine Tech
	11/25/2014	73.63	32.64	28.78	3.86	44.08	Blaine Tech
	12/3/2014	73.63	33.25	28.94	4.31	43.83	Blaine Tech
	12/12/2014	73.63	32.58	29.33	3.25	43.65	Blaine Tech
	12/19/2014	73.63	32.71	29.37	3.34	43.59	Blaine Tech
	3/17/2015	73.63	30.40	30.00	0.40	43.55	Kinder Morgan
	4/22/2015	73.63	33.08	30.36	2.72	42.73	Blaine Tech
	10/22/2015	73.63	32.82	30.46	2.36	42.70	Kinder Morgan
	3/16/2016	73.63	34.43	---	---	39.20	Kinder Morgan
	4/12/2016	73.63	32.59	---	---	41.04	Kinder Morgan
	6/29/2016	73.63	33.90	---	---	39.73	Blaine Tech
	8/22/2016	73.63	33.89	---	---	39.74	Blaine Tech
	10/3/2016	73.63	34.90	---	---	38.73	Blaine Tech
3/23/2017	73.63	31.65	---	---	41.98	CH2M	
4/17/2017	73.63	30.88	---	---	42.75	Blaine Tech	
10/2/2017	73.63	34.70	---	---	38.93	Blaine Tech	
4/16/2018	73.63	34.05	---	---	39.58	Blaine Tech	
11/5/2018	73.63	34.31	---	---	39.32	Blaine Tech	
4/16/2019	73.63	32.99	---	---	40.64	Blaine Tech	
10/28/2019	73.63	34.40	34.39	0.01	39.24	Blaine Tech	
5/4/2020	73.63	31.92	---	---	41.71	Blaine Tech	
8/20/2020	73.63	32.05	---	---	41.58	Blaine Tech	
11/2/2020	73.63	32.24	---	---	41.39	Blaine Tech	
2/24/2021	73.63	33.19	---	---	38.21	Blaine Tech	
5/3/2021	73.63	32.91	---	---	40.72	Blaine Tech	
8/31/2021	73.63	32.50	---	---	41.13	Blaine Tech	
GMW-SF-9	4/21/2009	73.00	24.19	---	---	48.81	Envent
	5/24/2010	73.00	28.31	---	---	44.69	Blaine Tech
	5/28/2010	73.00	28.37	---	---	44.63	Blaine Tech
	10/4/2010	73.00	25.28	---	---	47.72	Blaine Tech
	4/11/2011	73.00	23.90	---	---	49.10	Blaine Tech
	10/10/2011	73.00	24.70	---	---	48.30	Blaine Tech
	4/16/2012	73.00	26.99	---	---	46.01	Blaine Tech
	7/9/2012	73.00	NM	---	---	NC	Blaine Tech
	10/15/2012	73.05	34.21	---	---	38.84	Blaine Tech
	1/14/2013	73.05	34.32	---	---	38.73	Blaine Tech
	4/10/2013	73.05	27.37	---	---	45.68	Blaine Tech
8/14/2014	73.05	29.35	28.37	0.98	44.48	Blaine Tech	
8/19/2014	73.05	28.46	28.44	0.02	44.61	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GMW-SF-9 Continued	8/29/2014	73.05	29.32	28.31	1.01	44.54	Blaine Tech
	9/5/2014	73.05	29.33	28.29	1.04	44.55	Blaine Tech
	9/11/2014	73.05	29.49	28.47	1.02	44.38	Blaine Tech
	9/18/2014	73.05	28.95	28.91	0.04	44.13	Blaine Tech
	9/26/2014	73.05	28.93	28.59	0.34	44.39	Blaine Tech
	4/20/2015	73.05	29.01	---	---	44.04	Blaine Tech
	10/21/2015	73.05	29.69	---	---	43.36	Blaine Tech
	3/6/2017	73.05	28.88	---	---	44.17	CH2M
GMW-SF-10	4/21/2009	75.77	27.10	---	---	48.67	Envent
	10/4/2010	75.77	28.03	---	---	47.74	Blaine Tech
	4/11/2011	75.77	26.80	---	---	48.97	Blaine Tech
	10/10/2011	75.77	27.60	---	---	48.17	Blaine Tech
	4/16/2012	75.77	28.81	---	---	46.96	Blaine Tech
	7/9/2012	75.77	NM	---	---	NC	Blaine Tech
	10/15/2012	75.77	29.88	---	---	45.89	Blaine Tech
	4/8/2013	75.77	DRY	---	---	NC	Blaine Tech
GWR-3	4/30/2007	74.93	27.97	---	---	46.96	Secor
	11/12/2007	74.93	27.90	---	---	47.03	Stantec
	10/17/2008	74.93	29.88	---	---	45.05	Envent
	12/17/2008	74.93	19.71	---	---	55.22	Envent
	1/15/2009	74.93	29.27	29.26	0.26	45.88	Envent
	3/27/2009	74.93	27.18	---	---	47.75	Envent
	4/21/2009	74.93	29.97	---	---	44.96	Envent
	7/21/2009	74.93	28.77	---	---	46.16	Envent
	10/19/2009	74.93	NM	---	---	NC	Blaine Tech
	10/4/2010	74.93	30.67	---	---	44.26	Blaine Tech
	4/11/2011	74.93	29.94	---	---	44.99	Blaine Tech
	10/10/2011	74.93	29.22	---	---	45.71	Blaine Tech
	4/16/2012	74.93	29.56	---	---	45.37	Blaine Tech
	7/9/2012	---	NM	---	---	NC	Blaine Tech
	10/15/2012	77.6	31.21	---	---	46.39	Blaine Tech
	4/8/2013	77.6	29.21	29.18	0.03	48.41	Blaine Tech
	10/7/2013	77.6	36.20	31.67	4.53	45.16	Blaine Tech
	4/14/2014	77.6	38.80	32.23	6.57	44.25	Blaine Tech
	5/5/2014	77.6	38.81	32.31	6.50	44.18	Nieto & Sons
	5/12/2014	77.6	36.34	32.77	3.57	44.22	Nieto & Sons
	5/27/2014	77.6	36.11	33.20	2.91	43.91	Nieto & Sons
	6/4/2014	77.6	34.57	31.61	2.96	45.49	Nieto & Sons
	8/8/2014	77.6	37.92	33.38	4.54	43.45	Blaine Tech
	8/13/2014	77.6	35.38	33.18	2.20	44.05	Blaine Tech
	8/19/2014	77.6	35.28	33.25	2.03	44.00	Blaine Tech
	8/29/2014	77.6	35.72	33.12	2.60	44.04	Blaine Tech
	9/5/2014	77.6	35.68	33.19	2.49	43.99	Blaine Tech
	9/11/2014	77.6	36.05	33.04	3.01	44.05	Blaine Tech
	9/18/2014	77.60	35.34	33.27	2.07	43.98	Blaine Tech
	9/26/2014	77.60	35.25	33.24	2.01	44.02	Blaine Tech
	10/1/2014	77.60	36.44	34.01	2.43	43.18	Blaine Tech
	10/6/2014	77.60	34.71	33.33	1.38	44.04	Blaine Tech
	10/14/2014	77.60	35.15	33.20	1.95	44.07	Blaine Tech
10/23/2014	77.60	35.36	33.20	2.16	44.03	Blaine Tech	
10/27/2014	77.60	34.68	33.49	1.19	43.91	Blaine Tech	
11/3/2014	77.60	35.43	33.18	2.25	44.04	Blaine Tech	
11/10/2014	77.60	35.02	33.32	1.70	43.99	Blaine Tech	
11/18/2014	77.60	35.05	33.34	1.71	43.97	Blaine Tech	
11/25/2014	77.60	35.04	33.36	1.68	43.95	Blaine Tech	
12/3/2014	77.60	34.95	33.34	1.61	43.99	Blaine Tech	
12/12/2014	77.60	35.11	33.64	1.47	43.71	Blaine Tech	
12/19/2014	77.60	35.55	33.67	1.88	43.61	Blaine Tech	
	4/20/2015	77.60	37.25	33.34	3.91	43.60	Blaine Tech

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
GWR-3 Continued	7/24/2015	77.60	41.30	33.95	7.35	42.40	Northstar
	8/12/2015	77.60	37.03	34.42	2.61	42.74	Northstar
	10/20/2015	77.60	35.98	34.65	1.33	42.72	Blaine Tech
	3/16/2016	77.60	38.60	---	---	39.00	Kinder Morgan
	4/11/2016	77.60	36.90	---	---	40.70	Blaine Tech
	6/29/2016	77.60	37.77	---	---	39.83	Blaine Tech
	8/22/2016	77.60	38.24	---	---	39.36	Blaine Tech
	10/3/2016	77.60	39.20	39.15	0.05	38.44	Blaine Tech
	3/7/2017	77.60	35.62	---	---	41.98	CH2M
	4/17/2017	77.60	34.88	---	---	42.72	Blaine Tech
	10/2/2017	77.60	38.92	---	---	38.68	Blaine Tech
	4/16/2018	77.60	38.73	---	---	38.87	Blaine Tech
	11/5/2018	77.60	38.42	---	---	39.18	Blaine Tech
	4/16/2019	77.60	37.16	---	---	40.44	Blaine Tech
	10/28/2019	77.60	38.58	---	---	39.02	Blaine Tech
	5/4/2020	77.60	36.02	---	---	41.58	Blaine Tech
	11/2/2020	77.60	35.51	---	---	42.09	Blaine Tech
5/3/2021	77.60	36.18	---	---	41.42	Blaine Tech	
MW-18 (MID)	4/30/2007	75.67	29.77	---	---	45.90	Secor
	11/12/2007	75.67	30.23	---	---	45.44	Secor
	4/14/2008	75.67	30.45	---	---	45.22	Secor
	10/13/2008	75.67	31.15	---	---	44.52	Stantec
	4/20/2009	75.67	31.49	---	---	44.18	Blaine Tech
	10/19/2009	75.67	32.62	---	---	43.05	Blaine Tech
	5/24/2010	75.67	32.26	---	---	43.41	Blaine Tech
	5/28/2010	75.67	32.17	---	---	43.50	Blaine Tech
	10/4/2010	75.67	32.30	---	---	43.37	Blaine Tech
	4/11/2011	75.67	31.28	---	---	44.39	Blaine Tech
	10/10/2011	75.67	31.51	---	---	44.16	Blaine Tech
	4/16/2012	75.67	31.75	---	---	43.92	Blaine Tech
	7/9/2012	75.67	NM	---	---	NC	Blaine Tech
	10/15/2012	75.67	33.41	---	---	42.26	Blaine Tech
	4/8/2013	75.67	30.68	---	---	44.99	Blaine Tech
	10/7/2013	75.67	35.33	---	---	40.34	Blaine Tech
	4/14/2014	75.67	35.40	---	---	40.27	Blaine Tech
	10/27/2014	75.67	35.81	---	---	39.86	Blaine Tech
	4/20/2015	75.67	36.29	---	---	39.38	Blaine Tech
	10/19/2015	75.67	36.99	---	---	38.68	Blaine Tech
	3/14/2016	75.67	40.70	---	---	34.97	Blaine Tech
	4/11/2016	75.67	38.89	---	---	36.78	Blaine Tech
	6/29/2016	75.67	39.94	---	---	35.73	Blaine Tech
	8/22/2016	75.67	40.14	---	---	35.53	Blaine Tech
	10/3/2016	75.67	40.93	---	---	34.74	Blaine Tech
	4/17/2017	75.67	37.50	---	---	38.17	Blaine Tech
	10/2/2017	75.67	40.26	---	---	35.41	Blaine Tech
4/16/2018	75.67	40.46	---	---	35.21	Blaine Tech	
11/5/2018	75.67	40.50	---	---	35.17	Blaine Tech	
4/16/2019	75.67	38.39	---	---	37.28	Blaine Tech	
10/28/2019	75.67	40.42	---	---	35.25	Blaine Tech	
5/4/2020	75.67	37.96	---	---	37.71	Blaine Tech	
11/2/2020	75.67	34.83	---	---	40.84	Blaine Tech	
5/3/2021	75.67	38.57	---	---	37.10	Blaine Tech	
MW-O-1	4/30/2007	75.48	24.10	23.98	0.12	51.48	Secor
	8/14/2007	75.48	25.31	23.78	1.53	51.39	Geomatrix
	8/21/2007	75.48	23.84	23.58	0.26	51.85	Geomatrix
	8/28/2007	75.48	23.07	23.06	0.01	52.42	Stantec
	9/11/2007	75.48	23.86	23.48	0.38	51.92	Geomatrix
	10/5/2007	75.48	24.67	---	---	50.81	Geomatrix
11/2/2007	75.48	24.25	---	---	51.23	Geomatrix	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-O-1 Continued	11/12/2007	75.48	24.27	24.25	0.02	51.23	Stantec
	12/28/2007	75.48	25.54	25.51	0.03	49.96	Geomatrix
	8/15/2008	75.48	NM	---	---	NC	Envent
	8/19/2008	75.48	25.18	25.13	0.05	50.34	Envent
	10/17/2008	75.48	25.30	---	---	50.18	Envent
	12/19/2008	75.48	26.31	---	---	49.17	Envent
	1/15/2009	75.48	25.84	---	---	49.64	Envent
	4/21/2009	75.48	25.41	---	---	50.07	Envent
	10/19/2009	75.48	26.30	---	---	49.18	Blaine Tech
	10/4/2010	75.48	26.90	---	---	48.58	Blaine Tech
	4/11/2011	75.48	25.59	---	---	49.89	Blaine Tech
	10/10/2011	75.48	26.52	---	---	48.96	Blaine Tech
	4/16/2012	75.48	27.25	---	---	48.23	Blaine Tech
	7/9/2012	75.48	NM	---	---	NC	Blaine Tech
	10/15/2012	75.48	28.94	---	---	46.54	Blaine Tech
	4/8/2013	75.48	28.81	---	---	46.67	Blaine Tech
	10/7/2013	75.48	29.21	---	---	46.27	Blaine Tech
	4/14/2014	75.48	29.82	---	---	45.66	Blaine Tech
	10/27/2014	75.48	29.92	---	---	45.56	Blaine Tech
	4/20/2015	75.48	30.39	---	---	45.09	Blaine Tech
	10/27/2015	75.48	27.67	---	---	47.81	Blaine Tech
	3/14/2016	75.48	DRY	---	---	NC	Blaine Tech
	4/11/2016	75.48	DRY	---	---	NC	Blaine Tech
	6/29/2016	75.48	DRY	---	---	NC	Blaine Tech
	8/22/2016	75.48	DRY	---	---	NC	Blaine Tech
	10/3/2016	75.48	DRY	---	---	NC	Blaine Tech
	4/17/2017	75.48	DRY	---	---	NC	Blaine Tech
	10/2/2017	75.48	DRY	---	---	NC	Blaine Tech
	4/16/2018	75.48	DRY	---	---	NC	Blaine Tech
	11/5/2018	75.48	DRY	---	---	NC	Blaine Tech
	4/16/2019	75.48	32.09	---	---	43.39	Blaine Tech
	10/28/2019	75.48	DRY	---	---	NC	Blaine Tech
	5/4/2020	75.48	31.98	---	---	43.50	Blaine Tech
8/20/2020	75.48	32.86	---	---	42.62	Blaine Tech	
11/2/2020	75.48	DRY	---	---	NC	Blaine Tech	
2/24/2021	75.48	33.02	---	---	34.37	Blaine Tech	
5/3/2021	75.48	DRY	---	---	NC	Blaine Tech	
8/31/2021	75.48	DRY	---	---	NC	Blaine Tech	
MW-O-2	4/30/2007	74.31	22.53	---	---	51.78	Secor
	11/12/2007	71.90	23.10	---	---	48.80	Stantec
	8/15/2008	71.90	NM	---	---	NC	Envent
	10/17/2008	71.90	24.85	---	---	47.05	Envent
	12/19/2008	71.90	25.51	---	---	46.39	Envent
	3/27/2009	71.90	25.22	---	---	46.68	Envent
	4/21/2009	71.90	NM	---	---	NC	Envent
	7/21/2009	71.90	23.63	---	---	48.27	Envent
	10/19/2009	71.90	NM	---	---	NC	Blaine Tech
	11/9/2009	71.90	25.39	---	---	46.51	Kinder Morgan
	10/4/2010	71.90	26.05	---	---	45.85	Blaine Tech
	4/13/2011	71.90	23.31	---	---	48.59	Blaine Tech
	10/10/2011	71.90	27.53	---	---	44.37	Blaine Tech
	1/9/2012	71.90	28.13	---	---	43.77	Blaine Tech
	4/16/2012	71.90	NM	---	---	NC	Blaine Tech
	7/9/2012	71.90	26.53	---	---	45.37	Blaine Tech
	10/15/2012	71.90	26.89	---	---	45.01	Blaine Tech
	1/14/2013	71.90	26.93	---	---	44.97	Blaine Tech
4/8/2013	71.90	NM	---	---	NC	Blaine Tech	
6/6/2013	71.90	28.99	---	---	42.91	Blaine Tech	
10/7/2013	71.90	29.06	---	---	42.84	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-O-2 Continued	4/14/2014	71.90	29.36	---	---	42.54	Blaine Tech
	10/27/2014	71.90	29.81	29.65	0.16	42.22	Blaine Tech
	4/20/2015	71.90	30.94	29.34	1.60	42.24	Blaine Tech
	5/21/2015	71.90	32.50	27.31	5.19	43.55	Northstar
	5/29/2015	71.90	31.52	30.20	1.32	41.44	Northstar
	6/5/2015	71.90	31.45	30.57	0.88	41.15	Northstar
	6/12/2015	71.90	31.05	30.60	0.45	41.21	Northstar
	6/19/2015	71.90	31.10	30.90	0.20	40.96	Northstar
	6/26/2015	71.90	31.66	31.37	0.29	40.47	Northstar
	10/19/2015	71.90	32.39	30.53	1.86	41.00	Blaine Tech
	3/14/2016	71.90	35.49	34.86	0.63	36.91	Blaine Tech
	4/11/2016	71.90	33.03	32.54	0.49	39.26	Blaine Tech
	6/30/2016	71.90	34.20	---	---	37.70	Kinder Morgan
	8/22/2016	71.90	33.93	---	---	37.97	Kinder Morgan
	10/3/2016	71.90	34.30	34.22	0.08	37.66	Blaine Tech
	4/17/2017	71.90	30.91	30.85	0.06	41.04	Blaine Tech
	10/2/2017	71.90	34.67	---	---	37.23	Blaine Tech
	4/16/2018	71.90	34.18	34.16	0.02	37.74	Blaine Tech
	11/5/2018	71.90	34.30	---	---	37.60	Blaine Tech
	4/16/2019	71.90	31.44	---	---	40.46	Blaine Tech
	10/28/2019	71.90	NM	---	---	NC	Blaine Tech
	5/4/2020	71.90	31.87	---	---	40.03	Blaine Tech
	8/20/2020	71.90	32.08	---	---	39.82	Blaine Tech
11/2/2020	71.90	30.60	---	---	41.30	Blaine Tech	
2/24/2021	71.90	33.16	---	---	41.37	Blaine Tech	
5/3/2021	71.90	32.94	---	---	38.96	Blaine Tech	
8/31/2021	71.90	32.60	---	---	39.30	Blaine Tech	
MW-SF-1	3/12/2007	78.93	28.71	---	---	50.22	Secor
	4/30/2007	78.93	28.44	---	---	50.49	Secor
	8/28/2007	78.93	27.94	---	---	50.99	Stantec
	11/12/2007	78.93	28.76	---	---	50.17	Stantec
	2/19/2008	78.93	29.50	---	---	49.43	Stantec
	4/14/2008	78.93	29.16	---	---	49.77	Stantec
	8/11/2008	78.93	29.75	---	---	49.18	Stantec
	10/13/2008	78.93	29.86	---	---	49.07	Stantec
	2/23/2009	78.93	30.00	---	---	48.93	Blaine Tech
	4/20/2009	78.93	29.97	---	---	48.96	Blaine Tech
	7/20/2009	78.93	30.98	---	---	47.95	Blaine Tech
	7/22/2009	78.93	30.98	---	---	47.95	Blaine Tech
	10/19/2009	78.93	31.11	---	---	47.82	Blaine Tech
	3/15/2010	78.93	31.74	---	---	47.19	Blaine Tech
	5/24/2010	78.93	30.79	---	---	48.14	Blaine Tech
	5/28/2010	78.93	30.57	---	---	48.36	Blaine Tech
	6/22/2010	78.93	30.84	---	---	48.09	Blaine Tech
	7/12/2010	78.93	30.51	---	---	48.42	Blaine Tech
	10/4/2010	78.93	30.88	---	---	48.05	Blaine Tech
	1/10/2011	78.93	32.51	---	---	46.42	Blaine Tech
	4/11/2011	78.93	29.87	---	---	49.06	Blaine Tech
	7/11/2011	78.93	29.84	---	---	49.09	Blaine Tech
	10/10/2011	78.93	29.60	---	---	49.33	Blaine Tech
	1/9/2012	78.93	31.25	---	---	47.68	Blaine Tech
	4/16/2012	78.93	32.59	---	---	46.34	Blaine Tech
	7/9/2012	78.93	31.24	---	---	47.69	Blaine Tech
	10/15/2012	78.93	32.23	---	---	46.70	Blaine Tech
	1/14/2013	78.93	33.88	---	---	45.05	Blaine Tech
	4/8/2013	78.93	33.38	---	---	45.55	Blaine Tech
	10/7/2013	78.93	37.14	31.72	5.42	46.13	Blaine Tech
4/14/2014	78.93	37.40	32.69	4.71	45.30	Blaine Tech	
5/6/2014	78.93	39.99	32.82	7.17	44.68	Nieto & Sons	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-1 Continued	5/12/2014	78.93	37.31	33.55	3.76	44.63	Nieto & Sons
	5/20/2014	78.93	37.10	34.60	2.50	43.83	Nieto & Sons
	5/27/2014	78.93	36.62	34.30	2.32	44.17	Nieto & Sons
	6/4/2014	78.93	35.98	35.27	0.71	43.52	Nieto & Sons
	6/10/2014	78.93	36.91	34.48	2.43	43.96	Nieto & Sons
	7/3/2014	78.93	36.72	34.71	2.01	43.82	Nieto & Sons
	7/8/2014	78.93	36.60	34.45	2.15	44.05	Blaine Tech
	7/18/2014	78.93	35.18	34.77	0.41	44.08	Blaine Tech
	7/24/2014	78.93	35.30	34.62	0.68	44.17	Blaine Tech
	8/1/2014	78.93	34.74	34.44	0.30	44.43	Blaine Tech
	8/14/2014	78.93	34.75	34.41	0.34	44.45	Blaine Tech
	8/19/2014	78.93	34.66	34.37	0.29	44.50	Blaine Tech
	8/29/2014	78.93	35.65	35.38	0.27	43.50	Blaine Tech
	9/18/2014	78.93	34.85	34.49	0.36	44.37	Blaine Tech
	9/26/2014	78.93	34.78	34.45	0.33	44.41	Blaine Tech
	10/1/2014	78.93	34.77	34.41	0.36	44.45	Blaine Tech
	10/6/2014	78.93	34.78	34.42	0.36	44.44	Blaine Tech
	10/14/2014	78.93	34.65	34.41	0.24	44.47	Blaine Tech
	10/23/2014	78.93	34.84	34.45	0.39	44.40	Blaine Tech
	10/27/2014	78.93	34.80	34.43	0.37	44.43	Blaine Tech
	11/10/2014	78.93	34.91	34.51	0.40	44.34	Blaine Tech
	11/18/2014	78.93	34.80	34.43	0.37	44.43	Blaine Tech
	11/25/2014	78.93	34.53	34.51	0.02	44.42	Blaine Tech
	12/12/2014	78.93	35.18	34.78	0.40	44.07	Blaine Tech
	12/19/2014	78.93	35.34	34.88	0.46	43.96	Blaine Tech
	4/20/2015	78.93	34.89	34.48	0.41	44.37	Blaine Tech
	5/19/2015	78.93	38.45	34.55	3.90	43.60	Northstar
	5/29/2015	78.93	36.36	35.22	1.14	43.48	Northstar
	6/5/2015	78.93	36.50	35.43	1.07	43.29	Northstar
	6/12/2015	78.93	35.80	35.41	0.39	43.44	Northstar
	6/19/2015	78.93	36.02	35.42	0.60	43.39	Northstar
	6/26/2015	78.93	36.60	36.45	0.15	42.45	Northstar
	10/19/2015	78.93	36.35	35.53	0.82	43.24	Blaine Tech
11/17/2015	78.93	35.65	---	---	43.28	Kinder Morgan	
3/14/2016	78.93	40.40	---	---	38.53	Blaine Tech	
4/11/2016	78.93	37.96	---	---	40.97	Blaine Tech	
6/29/2016	78.93	39.05	---	---	39.88	Blaine Tech	
8/22/2016	78.93	39.04	---	---	39.87	Blaine Tech	
10/3/2016	78.93	39.20	---	---	39.73	Blaine Tech	
4/17/2017	78.93	35.75	---	---	43.18	Blaine Tech	
10/2/2017	78.93	39.98	---	---	38.95	Blaine Tech	
4/16/2018	78.93	39.43	---	---	39.50	Blaine Tech	
11/5/2018	78.93	39.20	---	---	39.73	Blaine Tech	
4/16/2019	78.93	37.94	---	---	40.99	Blaine Tech	
10/28/2019	78.93	39.41	---	---	39.52	Blaine Tech	
5/4/2020	78.93	36.65	---	---	42.28	Blaine Tech	
11/2/2020	78.93	37.39	---	---	41.54	Blaine Tech	
5/3/2021	78.93	38.03	---	---	40.90	Blaine Tech	
MW-SF-2	4/30/2007	78.45	28.35	28.34	0.01	50.11	Secor
	11/12/2007	78.45	29.18	28.71	0.47	49.65	Stantec
	8/12/2008	78.45	31.11	---	---	47.34	Envent
	10/17/2008	78.45	31.55	31.50	0.05	46.94	Envent
	12/18/2008	78.53	32.75	32.55	0.20	45.94	Envent
	1/15/2009	78.53	30.84	30.57	0.27	47.91	Envent
	3/24/2009	78.53	28.85	---	---	49.68	Envent
	4/21/2009	78.53	29.98	---	---	48.55	Envent
	7/21/2009	78.53	29.85	---	---	48.68	Envent
10/19/2009	78.53	NM	---	---	NC	Blaine Tech	
12/9/2009	78.53	31.45	---	---	47.08	Kinder Morgan	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-2 Continued	10/4/2010	78.53	30.96	30.75	0.21	47.74	Blaine Tech
	1/10/2011	78.53	32.62	32.50	0.12	46.01	Blaine Tech
	4/11/2011	78.53	29.83	---	---	48.70	Blaine Tech
	7/11/2011	78.53	NM	---	---	NC	
	10/10/2011	78.53	29.82	---	---	48.71	Blaine Tech
	1/9/2012	78.53	30.52	---	---	48.01	Blaine Tech
	4/16/2012	78.53	31.28	---	---	47.25	Blaine Tech
	7/9/2012	78.53	33.18	---	---	45.35	Blaine Tech
	10/15/2012	78.53	32.11	---	---	46.42	Blaine Tech
	1/14/2013	78.53	33.59	---	---	44.94	Blaine Tech
	4/8/2013	78.53	33.32	---	---	45.21	Blaine Tech
	10/7/2013	78.53	34.58	33.08	1.50	45.15	Blaine Tech
	4/14/2014	78.53	37.50	33.27	4.23	44.41	Blaine Tech
	5/6/2014	78.53	37.71	33.24	4.47	44.40	Nieto & Sons
	5/12/2014	78.53	37.53	33.34	4.19	44.35	Nieto & Sons
	5/20/2014	78.53	37.62	33.51	4.11	44.20	Nieto & Sons
	5/27/2014	78.53	38.24	33.77	4.47	43.87	Nieto & Sons
	6/4/2014	78.53	34.63	---	---	43.90	Nieto & Sons
	6/10/2014	78.53	38.49	34.00	4.49	43.63	Nieto & Sons
	8/8/2014	78.53	36.23	33.82	2.41	44.23	Blaine Tech
	8/13/2014	78.53	36.75	33.59	3.16	44.31	Blaine Tech
	8/19/2014	78.53	36.90	33.60	3.30	44.27	Blaine Tech
	8/29/2014	78.53	37.11	33.53	3.58	44.28	Blaine Tech
	9/5/2014	78.53	37.09	33.51	3.58	44.30	Blaine Tech
	9/11/2014	78.53	37.12	33.51	3.61	44.30	Blaine Tech
	9/18/2014	78.53	36.89	33.60	3.29	44.27	Blaine Tech
	9/26/2014	78.53	37.28	33.54	3.74	44.24	Blaine Tech
	10/7/2014	78.53	37.18	33.56	3.62	44.25	Blaine Tech
	10/6/2014	78.53	37.16	33.59	3.57	44.23	Blaine Tech
	10/14/2014	78.53	37.15	33.64	3.51	44.19	Blaine Tech
	10/23/2014	78.53	37.24	33.61	3.63	44.19	Blaine Tech
	10/27/2014	78.53	37.04	33.54	3.50	44.29	Blaine Tech
	11/3/2014	78.53	37.14	33.55	3.59	44.26	Blaine Tech
	11/10/2014	78.53	37.33	33.56	3.77	44.22	Blaine Tech
	11/18/2014	78.53	37.21	33.64	3.57	44.18	Blaine Tech
	11/25/2014	78.53	37.40	33.69	3.71	44.10	Blaine Tech
	12/3/2014	78.53	37.16	33.60	3.56	44.22	Blaine Tech
	12/12/2014	78.53	38.05	33.91	4.14	43.79	Blaine Tech
	12/19/2014	78.53	38.40	33.95	4.45	43.69	Blaine Tech
	4/20/2015	78.53	36.15	34.73	1.42	43.52	Blaine Tech
6/25/2015	78.53	38.95	35.57	3.38	42.28	Blaine Tech	
10/21/2015	78.53	36.32	36.13	0.19	42.36	Kinder Morgan	
3/16/2016	78.53	39.27	---	---	39.26	Kinder Morgan	
4/11/2016	78.53	37.47	---	---	41.06	Blaine Tech	
6/29/2016	78.53	38.08	---	---	40.45	Blaine Tech	
8/22/2016	78.53	38.83	---	---	39.70	Blaine Tech	
10/3/2016	78.53	39.60	---	---	38.93	Blaine Tech	
3/10/2017	78.53	36.47	---	---	42.06	CH2M	
4/17/2017	78.53	35.78	---	---	42.75	Blaine Tech	
10/2/2017	78.53	39.68	---	---	38.85	Blaine Tech	
4/16/2018	78.53	39.47	---	---	39.06	Blaine Tech	
11/5/2018	78.53	39.55	---	---	38.98	Blaine Tech	
4/16/2019	78.53	37.95	---	---	40.58	Blaine Tech	
10/28/2019	78.53	39.26	---	---	39.27	Blaine Tech	
5/4/2020	78.53	36.66	---	---	41.87	Blaine Tech	
11/2/2020	78.53	37.14	---	---	41.39	Blaine Tech	
5/3/2021	78.53	37.82	---	---	40.71	Blaine Tech	
MW-SF-3	4/30/2007	77.62	27.72	27.45	0.27	50.12	Secor
	11/12/2007	77.62	29.34	28.28	1.06	49.13	Stantec

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-3 Continued	8/12/2008	77.62	30.30	29.05	1.25	48.32	Envent
	10/17/2008	77.62	29.45	---	---	48.17	Envent
	12/18/2008	78.12	31.08	30.82	0.26	47.25	Envent
	1/15/2009	78.12	29.96	29.94	0.02	48.18	Envent
	3/20/2009	78.12	31.10	---	---	47.02	Envent
	3/24/2009	78.12	27.82	---	---	50.30	Envent
	4/21/2009	78.12	29.51	29.50	0.01	48.62	Envent
	7/21/2009	78.12	30.07	---	---	48.05	Envent
	10/19/2009	78.12	NM	---	---	NC	Blaine Tech
	11/6/2009	78.12	30.37	30.35	0.02	47.77	Kinder Morgan
	12/9/2009	78.12	30.53	---	---	47.59	Kinder Morgan
	9/3/2010	78.12	30.97	30.42	0.55	47.59	Kinder Morgan
	10/4/2010	78.12	30.88	30.30	0.58	47.70	Blaine Tech
	4/12/2011	78.12	29.44	---	---	48.68	Blaine Tech
	10/10/2011	78.12	30.75	---	---	47.37	Blaine Tech
	4/16/2012	78.12	NM	---	---	NC	Blaine Tech
	7/9/2012	78.12	NM	---	---	NC	Blaine Tech
	10/15/2012	78.12	32.47	---	---	45.65	Blaine Tech
	5/24/2013	78.12	33.35	32.51	0.84	45.44	Blaine Tech
	9/25/2013	78.12	34.40	---	---	43.72	Blaine Tech
	10/7/2013	78.12	NM	---	---	NC	Blaine Tech
	11/14/2013	78.12	33.26	---	---	44.86	Blaine Tech
	4/18/2014	78.12	33.72	33.62	0.10	44.48	Blaine Tech
	8/8/2014	78.12	34.07	33.71	0.36	44.34	Blaine Tech
	10/14/2014	78.12	34.55	33.92	0.63	44.07	Blaine Tech
	10/23/2014	78.12	34.57	33.94	0.63	44.05	Blaine Tech
	10/27/2014	78.12	34.49	33.85	0.64	44.14	Blaine Tech
	11/10/2014	78.12	34.65	33.94	0.71	44.04	Blaine Tech
	11/18/2014	78.12	34.62	33.88	0.74	44.09	Blaine Tech
	11/25/2014	78.12	34.22	33.94	0.28	44.12	Blaine Tech
	12/12/2014	78.12	34.89	34.38	0.51	43.64	Blaine Tech
	12/19/2014	78.12	35.04	34.43	0.61	43.57	Blaine Tech
	4/20/2015	78.12	34.52	---	---	43.60	Blaine Tech
10/21/2015	78.12	35.18	---	---	42.94	Kinder Morgan	
3/14/2016	78.12	39.43	39.40	0.03	38.71	Blaine Tech	
4/11/2016	78.12	37.17	---	---	40.95	Blaine Tech	
6/30/2016	78.12	38.28	---	---	39.84	Kinder Morgan	
8/22/2016	78.12	38.33	---	---	39.79	Kinder Morgan	
10/3/2016	78.12	39.40	---	---	38.72	Kinder Morgan	
3/8/2017	78.12	35.75	---	---	42.37	CH2M	
4/17/2017	78.12	35.15	---	---	42.97	Blaine Tech	
10/2/2017	78.12	39.20	---	---	38.92	Blaine Tech	
4/16/2018	78.12	38.81	---	---	39.31	Blaine Tech	
11/5/2018	78.12	38.69	---	---	39.43	Blaine Tech	
4/16/2019	78.12	NM	---	---	NC	Blaine Tech	
10/28/2019	78.12	38.77	---	---	39.35	Blaine Tech	
5/4/2020	78.12	36.19	---	---	41.93	Blaine Tech	
11/2/2020	78.12	36.55	---	---	41.57	Blaine Tech	
5/3/2021	78.12	37.51	---	---	40.61	Blaine Tech	
MW-SF-4	3/12/2007	79.38	30.01	29.41	0.60	49.85	Secor
	4/30/2007	79.38	29.96	29.11	0.85	50.10	Secor
	8/14/2007	79.38	30.34	28.38	1.96	50.60	Geomatrix
	8/28/2007	79.38	29.95	28.30	1.65	50.74	Stantec
	9/11/2007	79.38	29.98	28.43	1.55	50.63	Geomatrix
	10/5/2007	79.38	30.68	28.85	1.83	50.15	Geomatrix
	10/12/2007	79.38	30.27	29.96	0.31	49.36	Geomatrix
	10/19/2007	79.38	30.28	---	---	49.10	Geomatrix
	10/26/2007	79.38	30.52	---	---	48.86	Geomatrix
11/2/2007	79.38	30.68	---	---	48.70	Geomatrix	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-4 Continued	11/12/2007	79.38	29.70	29.69	0.01	49.69	Stantec
	12/21/2007	79.38	30.69	---	---	48.69	Geomatrix
	2/19/2008	79.38	30.22	---	---	49.16	Stantec
	3/21/2008	79.38	30.07	---	---	49.31	Envent
	4/14/2008	79.38	29.95	---	---	49.43	Stantec
	8/8/2008	79.38	30.51	---	---	48.87	Envent
	8/11/2008	79.38	30.57	---	---	48.81	Stantec
	10/16/2008	79.38	30.77	---	---	48.61	Envent
	1/15/2009	79.38	31.14	---	---	48.24	Envent
	2/20/2009	79.38	30.84	---	---	48.54	Envent
	2/23/2009	79.38	30.96	---	---	48.42	Blaine Tech
	4/20/2009	79.38	30.02	29.94	0.08	49.42	Blaine Tech
	4/28/2009	79.38	30.78	---	---	48.60	Envent
	7/17/2009	79.38	31.85	---	---	47.53	Envent
	7/20/2009	79.38	31.65	31.61	0.04	47.76	Blaine Tech
	7/22/2009	79.38	31.65	31.61	0.04	47.76	Blaine Tech
	10/19/2009	79.38	31.93	31.90	0.03	47.47	Blaine Tech
	3/15/2010	79.38	31.95	31.91	0.04	47.46	Blaine Tech
	5/24/2010	79.38	31.60	---	---	47.78	Blaine Tech
	5/28/2010	79.38	26.40	---	---	52.98	Blaine Tech
	6/22/2010	79.38	31.63	---	---	47.75	Blaine Tech
	7/12/2010	79.38	31.37	---	---	48.01	Blaine Tech
	10/4/2010	79.38	31.81	---	---	47.57	Blaine Tech
	1/10/2011	79.38	32.99	---	---	46.39	Blaine Tech
	4/11/2011	79.38	30.85	---	---	48.53	Blaine Tech
	7/11/2011	79.38	30.35	---	---	49.03	Blaine Tech
	10/10/2011	79.38	NM	---	---	NC	Blaine Tech
	1/9/2012	79.38	32.07	---	---	47.31	Blaine Tech
	4/16/2012	79.38	33.35	---	---	46.03	Blaine Tech
	7/9/2012	79.38	32.11	---	---	47.27	Blaine Tech
	10/15/2012	79.38	34.04	---	---	45.34	Blaine Tech
	1/14/2013	79.38	34.52	---	---	44.86	Blaine Tech
	4/8/2013	79.38	DRY	---	---	NC	Blaine Tech
	10/7/2013	79.38	DRY	---	---	NC	Blaine Tech
	4/25/2014	79.38	40.03	34.23	5.80	43.96	Blaine Tech
	5/6/2014	79.38	39.78	33.91	5.87	44.27	Nieto & Sons
	5/12/2014	79.38	37.02	34.64	2.38	44.25	Nieto & Sons
	5/20/2014	79.38	36.60	35.60	1.00	43.58	Nieto & Sons
	5/27/2014	79.38	36.12	35.45	0.67	43.79	Nieto & Sons
	6/4/2014	79.38	36.54	35.91	0.63	43.34	Nieto & Sons
6/10/2014	79.38	37.02	35.38	1.64	43.66	Nieto & Sons	
7/3/2014	79.38	36.98	35.63	1.35	43.47	Nieto & Sons	
7/8/2014	79.38	36.78	35.34	1.44	43.74	Blaine Tech	
7/18/2014	79.38	35.88	35.55	0.33	43.76	Blaine Tech	
7/24/2014	79.38	35.98	35.42	0.56	43.85	Blaine Tech	
8/1/2014	79.38	35.57	35.30	0.27	44.02	Blaine Tech	
8/14/2014	79.38	35.42	35.23	0.19	44.11	Blaine Tech	
8/19/2014	79.38	35.36	35.21	0.15	44.14	Blaine Tech	
8/29/2014	79.38	35.32	35.20	0.12	44.16	Blaine Tech	
9/18/2014	79.38	35.55	35.30	0.25	44.03	Blaine Tech	
9/26/2014	79.38	35.56	35.30	0.26	44.03	Blaine Tech	
10/1/2014	79.38	35.56	35.24	0.32	44.07	Blaine Tech	
10/6/2014	79.38	35.48	35.22	0.26	44.11	Blaine Tech	
10/14/2014	79.38	35.33	35.20	0.13	44.15	Blaine Tech	
10/23/2014	79.38	35.51	35.22	0.29	44.10	Blaine Tech	
10/27/2014	79.38	35.54	35.25	0.29	44.07	Blaine Tech	
11/18/2014	79.38	35.56	35.25	0.31	44.07	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-4 Continued	11/25/2014	79.38	35.66	35.32	0.34	43.99	Blaine Tech
	12/12/2014	79.38	35.81	35.58	0.23	43.75	Blaine Tech
	12/19/2014	79.38	35.75	35.62	0.13	43.73	Blaine Tech
	4/20/2015	79.38	37.78	35.29	2.49	43.58	Blaine Tech
	5/19/2015	79.38	39.22	35.28	3.94	43.29	Northstar
	5/29/2015	79.38	37.10	35.80	1.30	43.31	Northstar
	6/5/2015	79.38	36.85	36.15	0.70	43.09	Northstar
	6/12/2015	79.38	36.55	36.15	0.40	43.15	Northstar
	6/19/2015	79.38	36.68	36.42	0.26	42.91	Northstar
	6/26/2015	79.38	37.23	36.96	0.27	42.36	Northstar
	10/17/2015	79.38	38.12	36.25	1.87	42.75	Blaine Tech
	11/17/2015	79.38	37.83	35.98	1.85	43.02	Kinder Morgan
	3/14/2016	79.38	40.80	---	---	38.58	Kinder Morgan
	4/11/2016	79.38	37.76	---	---	41.62	Blaine Tech
	6/29/2016	79.38	39.54	---	---	39.84	Blaine Tech
	8/22/2016	79.38	39.76	---	---	39.62	Blaine Tech
	10/3/2016	79.38	41.05	---	---	38.33	Blaine Tech
	4/17/2017	79.38	36.67	---	---	42.71	Blaine Tech
	10/2/2017	79.38	40.07	---	---	39.31	Blaine Tech
	4/16/2018	79.38	39.90	---	---	39.48	Blaine Tech
11/5/2018	79.38	39.78	---	---	39.60	Blaine Tech	
4/16/2019	79.38	38.45	---	---	40.93	Blaine Tech	
10/28/2019	79.38	39.75	---	---	39.63	Blaine Tech	
5/4/2020	79.38	37.13	---	---	42.25	Blaine Tech	
11/2/2020	79.38	37.46	---	---	41.92	Blaine Tech	
5/3/2021	79.38	38.30	---	---	41.08	Blaine Tech	
MW-SF-5	4/30/2007	79.74	29.54	---	---	50.20	Secor
	8/21/2007	79.74	28.36	---	---	51.38	Geomatrix
	8/28/2007	79.74	28.84	---	---	50.90	Stantec
	10/5/2007	79.74	29.50	---	---	50.24	Geomatrix
	11/2/2007	79.74	31.50	---	---	48.24	Geomatrix
	11/12/2007	79.74	29.93	---	---	49.81	Stantec
	12/21/2007	79.74	31.00	---	---	48.74	Geomatrix
	4/14/2008	79.74	30.20	---	---	49.54	Stantec
	8/11/2008	79.74	30.85	---	---	48.89	Stantec
	10/13/2008	79.74	30.93	---	---	48.81	Stantec
	4/20/2009	79.74	30.99	---	---	48.75	Blaine Tech
	10/19/2009	79.74	NM	---	---	NC	Blaine Tech
	5/24/2010	79.74	31.55	---	---	48.19	Blaine Tech
	5/28/2010	79.74	31.44	---	---	48.30	Blaine Tech
	6/22/2010	79.74	31.57	---	---	48.17	Blaine Tech
	10/4/2010	79.74	31.39	---	---	48.35	Blaine Tech
	1/10/2011	79.74	33.80	---	---	45.94	Blaine Tech
	4/11/2011	79.74	31.03	---	---	48.71	Blaine Tech
	7/11/2011	79.74	NM	---	---	NC	
	10/10/2011	79.74	31.28	---	---	48.46	Blaine Tech
	1/9/2012	79.74	32.12	---	---	47.62	Blaine Tech
	4/16/2012	79.74	33.30	---	---	46.44	Blaine Tech
	7/9/2012	79.74	34.45	---	---	45.29	Blaine Tech
	10/15/2012	79.74	33.28	---	---	46.46	Blaine Tech
	1/14/2013	79.74	33.37	---	---	46.37	Blaine Tech
	4/8/2013	79.74	34.28	---	---	45.46	Blaine Tech
	10/7/2013	79.74	34.58	---	---	45.16	Blaine Tech
	4/14/2014	79.74	35.33	---	---	44.41	Blaine Tech
	10/27/2014	79.74	35.48	---	---	44.26	Blaine Tech
	4/20/2015	79.74	36.05	---	---	43.69	Blaine Tech
10/19/2015	79.74	36.82	---	---	42.92	Blaine Tech	
3/14/2016	79.74	DRY	---	---	NC	Blaine Tech	
4/11/2016	79.74	DRY	---	---	NC	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-5 Continued	6/29/2016	79.74	DRY	---	---	NC	Blaine Tech
	8/22/2016	79.74	DRY	---	---	NC	Blaine Tech
	10/3/2016	79.74	DRY	---	---	NC	Blaine Tech
	4/17/2017	79.74	36.88	---	---	42.86	Blaine Tech
	10/2/2017	79.74	DRY	---	---	NC	Blaine Tech
	4/16/2018	79.74	DRY	---	---	NC	Blaine Tech
	11/5/2018	79.74	DRY	---	---	NC	Blaine Tech
	4/16/2019	79.74	DRY	---	---	NC	Blaine Tech
	10/28/2019	79.74	DRY	---	---	NC	Blaine Tech
	5/4/2020	79.74	37.86	---	---	41.88	Blaine Tech
11/2/2020	79.74	DRY	---	---	NC	Blaine Tech	
5/3/2021	79.74	DRY	---	---	NC	Blaine Tech	
MW-SF-6	4/30/2007	79.96	27.44	27.20	0.24	52.71	Secor
	11/12/2007	79.96	27.14	---	---	52.82	Stantec
	8/12/2008	79.96	29.82	---	---	50.14	Envent
	10/17/2008	79.96	29.75	---	---	50.21	Envent
	12/18/2008	76.8	30.73	---	---	46.07	Envent
	1/15/2009	76.8	31.35	---	---	45.45	Envent
	3/24/2009	76.80	30.50	---	---	46.30	Envent
	4/21/2009	76.80	28.45	---	---	48.35	Envent
	7/21/2009	76.80	27.22	---	---	49.58	Envent
	10/19/2009	76.80	NM	---	---	NC	Blaine Tech
	11/6/2009	76.80	29.10	---	---	47.70	Kinder Morgan
	12/9/2009	76.80	31.35	---	---	45.45	Kinder Morgan
	10/4/2010	76.80	29.09	---	---	47.71	Blaine Tech
	1/10/2011	76.80	30.87	---	---	45.93	Blaine Tech
	4/11/2011	76.80	28.16	---	---	48.64	Blaine Tech
	7/11/2011	76.80	NM	---	---	NC	
	10/10/2011	76.80	28.21	---	---	48.59	Blaine Tech
	1/9/2012	76.80	29.03	---	---	47.77	Blaine Tech
	4/16/2012	76.80	29.66	---	---	47.14	Blaine Tech
	7/9/2012	76.80	31.46	---	---	45.34	Blaine Tech
	10/15/2012	76.80	31.44	---	---	45.36	Blaine Tech
	1/14/2013	76.80	31.53	---	---	45.27	Blaine Tech
	4/8/2013	76.80	30.21	28.81	1.40	47.71	Blaine Tech
	10/7/2013	76.80	NM	---	---	NC	Blaine Tech
	11/14/2013	76.80	31.90	---	---	44.90	Blaine Tech
	4/18/2014	76.80	33.30	32.15	1.15	44.42	Blaine Tech
	8/8/2014	76.8	34.50	33.31	1.19	43.25	Blaine Tech
	8/13/2014	76.8	32.95	32.54	0.41	44.18	Blaine Tech
	8/19/2014	76.8	32.87	32.62	0.25	44.13	Blaine Tech
	8/29/2014	76.8	32.79	32.56	0.23	44.19	Blaine Tech
	9/5/2014	76.8	32.81	32.59	0.22	44.17	Blaine Tech
	9/18/2014	76.8	32.95	32.65	0.30	44.09	Blaine Tech
	9/26/2014	76.8	32.94	32.61	0.33	44.12	Blaine Tech
	10/1/2014	76.8	32.91	32.60	0.31	44.14	Blaine Tech
10/6/2014	76.8	32.90	32.61	0.29	44.13	Blaine Tech	
10/14/2014	76.8	33.72	33.60	0.12	43.18	Blaine Tech	
10/23/2014	76.8	34.57	33.94	0.63	42.73	Blaine Tech	
10/27/2014	76.8	32.92	32.58	0.34	44.15	Blaine Tech	
11/18/2014	76.8	32.99	32.62	0.37	44.11	Blaine Tech	
11/25/2014	76.8	32.66	32.58	0.08	44.20	Blaine Tech	
12/12/2014	76.8	33.45	33.07	0.38	43.65	Blaine Tech	
12/19/2014	76.8	33.60	33.15	0.45	43.56	Blaine Tech	
4/20/2015	76.8	33.23	33.11	0.12	43.67	Blaine Tech	
10/21/2015	76.8	34.28	---	---	42.52	Kinder Morgan	
3/14/2016	76.8	38.10	38.08	0.02	38.72	Blaine Tech	
4/11/2016	76.8	35.83	---	---	40.97	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-6 Continued	6/29/2016	76.8	36.89	---	---	39.91	Blaine Tech
	8/22/2016	76.8	37.11	---	---	39.69	Blaine Tech
	10/3/2016	76.8	38.45	---	---	38.35	Blaine Tech
	4/17/2017	76.8	34.03	---	---	42.77	Blaine Tech
	10/2/2017	76.8	37.89	---	---	38.91	Blaine Tech
	4/16/2018	76.8	37.65	---	---	39.15	Blaine Tech
	11/5/2018	76.8	37.70	---	---	39.10	Blaine Tech
	4/16/2019	76.8	36.13	---	---	40.67	Blaine Tech
	10/28/2019	76.8	37.41	---	---	39.39	Blaine Tech
	5/4/2020	76.8	34.90	---	---	41.90	Blaine Tech
11/2/2020	76.8	35.35	---	---	41.45	Blaine Tech	
5/3/2021	76.8	35.86	---	---	40.94	Blaine Tech	
MW-SF-9	4/30/2007	74.1	22.66	---	---	51.44	Secor
	8/14/2007	74.1	28.73	28.61	0.12	45.47	Geomatrix
	8/21/2007	74.1	26.55	---	---	47.55	Geomatrix
	8/28/2007	74.1	20.55	---	---	53.55	Stantec
	9/11/2007	74.1	19.40	---	---	54.70	Geomatrix
	10/5/2007	74.1	26.84	---	---	47.26	Geomatrix
	11/2/2007	74.1	22.76	---	---	51.34	Geomatrix
	11/12/2007	74.1	22.96	---	---	51.14	Stantec
	12/21/2007	74.1	24.05	---	---	50.05	Geomatrix
	4/14/2008	74.1	24.23	---	---	49.87	Stantec
	10/13/2008	74.1	24.83	---	---	49.27	Stantec
	4/20/2009	74.10	25.27	---	---	48.83	Blaine Tech
	10/19/2009	74.10	26.45	---	---	47.65	Blaine Tech
	5/24/2010	74.10	25.80	---	---	48.30	Blaine Tech
	5/28/2010	74.10	25.66	---	---	48.44	Blaine Tech
	6/22/2010	74.10	25.84	---	---	48.26	Blaine Tech
	10/4/2010	74.10	26.10	---	---	48.00	Blaine Tech
	1/10/2011	74.10	27.41	---	---	46.69	Blaine Tech
	4/11/2011	74.10	24.16	---	---	49.94	Blaine Tech
	7/11/2011	74.10	NM	---	---	NC	
	10/10/2011	74.10	25.02	---	---	49.08	Blaine Tech
	1/9/2012	74.10	25.98	---	---	48.12	Blaine Tech
	4/16/2012	74.10	25.92	---	---	48.18	Blaine Tech
	7/9/2012	74.10	26.44	---	---	47.66	Blaine Tech
	10/15/2012	74.10	NM	---	---	NC	Blaine Tech
	4/8/2013	74.10	DRY	---	---	NC	Blaine Tech
	6/6/2013	74.10	28.53	---	---	45.57	Blaine Tech
	10/7/2013	74.10	28.95	---	---	45.15	Blaine Tech
	4/25/2014	74.10	34.75	27.95	6.80	44.89	Blaine Tech
	5/5/2014	74.10	37.81	31.76	6.05	41.22	Nieto & Sons
	5/12/2014	74.10	32.32	29.11	3.21	44.40	Nieto & Sons
	5/20/2014	74.10	30.75	29.95	0.80	44.00	Nieto & Sons
	5/27/2014	74.1	38.08	32.32	5.76	40.71	Nieto & Sons
	6/4/2014	74.1	32.19	28.61	3.58	44.83	Nieto & Sons
6/10/2014	74.1	36.27	28.85	7.42	43.88	Nieto & Sons	
7/3/2014	74.1	39.26	32.59	6.67	40.28	Nieto & Sons	
7/8/2014	74.1	36.40	28.60	7.80	44.06	Blaine Tech	
7/18/2014	74.1	31.04	29.66	1.38	44.18	Blaine Tech	
7/24/2014	74.1	31.15	29.85	1.30	44.01	Blaine Tech	
8/1/2014	74.1	30.25	29.85	0.40	44.18	Blaine Tech	
8/14/2014	74.1	30.13	29.82	0.31	44.22	Blaine Tech	
8/19/2014	74.1	30.08	29.85	0.23	44.21	Blaine Tech	
8/29/2014	74.1	30.10	29.81	0.29	44.24	Blaine Tech	
9/5/2014	74.1	30.13	29.84	0.29	44.21	Blaine Tech	
9/11/2014	74.1	29.49	28.47	1.02	45.44	Blaine Tech	
9/18/2014	74.1	30.29	29.90	0.39	44.13	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-9 Continued	9/26/2014	74.1	30.25	29.84	0.41	44.18	Blaine Tech
	10/1/2014	74.1	30.24	29.84	0.40	44.19	Blaine Tech
	10/6/2014	74.1	30.24	29.83	0.41	44.19	Blaine Tech
	10/14/2014	74.1	30.12	29.81	0.31	44.23	Blaine Tech
	10/23/2014	74.1	30.27	29.85	0.42	44.17	Blaine Tech
	10/27/2014	74.1	30.29	29.89	0.40	44.14	Blaine Tech
	11/18/2014	74.1	30.35	29.86	0.49	44.15	Blaine Tech
	11/25/2014	74.1	30.42	29.91	0.51	44.10	Blaine Tech
	12/12/2014	74.1	30.65	30.10	0.55	43.90	Blaine Tech
	12/19/2014	74.1	30.80	30.13	0.67	43.85	Blaine Tech
	4/20/2015	74.1	36.69	27.67	9.02	44.76	Blaine Tech
	5/19/2015	74.1	35.68	26.83	8.85	45.63	Blaine Tech
	5/21/2015	74.1	32.50	27.31	5.19	45.83	Northstar
	5/29/2015	74.1	32.95	30.10	2.85	43.47	Northstar
	6/2/2015	74.1	31.67	30.45	1.22	43.42	Northstar
	6/5/2015	74.10	31.85	30.60	1.25	43.27	Northstar
	6/12/2015	74.10	31.28	30.75	0.53	43.25	Northstar
	6/19/2015	74.10	31.30	31.00	0.30	43.04	Northstar
	6/26/2015	74.10	31.20	29.50	1.70	44.29	Northstar
	8/11/2015	74.10	36.90	29.90	7.00	42.90	Northstar
	8/18/2015	74.10	35.19	30.25	4.94	42.94	Northstar
	8/28/2015	74.10	31.60	30.75	0.85	43.19	Kinder Morgan
	9/1/2015	74.10	31.78	30.90	0.88	43.04	Kinder Morgan
	10/16/2015	74.10	31.60	31.09	0.51	42.92	Blaine Tech
	10/19/2015	74.10	31.44	31.04	0.40	42.99	Kinder Morgan
	10/30/2015	74.10	32.60	32.06	0.54	41.94	Kinder Morgan
	11/17/2015	74.10	31.71	31.68	0.03	42.41	Kinder Morgan
	3/14/2016	74.10	34.14	---	---	39.96	Blaine Tech
	4/11/2016	74.10	32.89	---	---	41.21	Blaine Tech
	6/29/2016	74.10	34.00	---	---	40.10	Blaine Tech
5/4/2020	74.10	DRY	---	---	NC	Blaine Tech	
11/2/2020	74.10	DRY	---	---	NC	Blaine Tech	
5/3/2021	74.10	DRY	---	---	NC	Blaine Tech	
MW-SF-10	10/17/2008	76.53	27.49	---	---	49.04	Envent
	10/19/2009	76.53	28.61	---	---	47.92	Blaine Tech
	10/4/2010	76.53	28.50	28.36	0.14	48.14	Blaine Tech
	4/11/2011	76.53	27.41	27.37	0.04	49.15	Blaine Tech
	10/10/2011	76.53	27.60	---	---	48.93	Blaine Tech
	4/16/2012	76.53	28.81	---	---	47.72	Blaine Tech
	7/9/2012	76.53	NM	---	---	NC	Blaine Tech
	10/15/2012	76.53	29.27	---	---	47.26	Blaine Tech
	4/8/2013	76.53	DRY	---	---	NC	Blaine Tech
	10/7/2013	76.53	DRY	---	---	NC	Blaine Tech
	4/14/2014	76.53	DRY	---	---	NC	Blaine Tech
	10/27/2014	76.53	DRY	---	---	NC	Blaine Tech
	4/20/2015	76.53	DRY	---	---	NC	Blaine Tech
	10/19/2015	76.53	DRY	---	---	NC	Blaine Tech
	3/14/2016	76.53	DRY	---	---	NC	Blaine Tech
	4/11/2016	76.53	DRY	---	---	NC	Blaine Tech
	6/29/2016	76.53	DRY	---	---	NC	Blaine Tech
	8/22/2016	76.53	DRY	---	---	NC	Blaine Tech
	10/3/2016	76.53	DRY	---	---	NC	Blaine Tech
	4/17/2017	76.53	DRY	---	---	NC	Blaine Tech
10/2/2017	76.53	DRY	---	---	NC	Blaine Tech	
4/16/2018	76.53	DRY	---	---	NC	Blaine Tech	
11/5/2018	76.53	DRY	---	---	NC	Blaine Tech	
4/16/2019	76.53	DRY	---	---	NC	Blaine Tech	
10/28/2019	76.53	DRY	---	---	NC	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-10 Continued	5/4/2020	76.53	DRY	---	---	NC	Blaine Tech
	11/2/2020	76.53	DRY	---	---	NC	Blaine Tech
	5/3/2021	76.53	DRY	---	---	NC	Blaine Tech
MW-SF-11	8/14/2007	78.56	28.58	28.30	0.28	50.20	Geomatrix
	8/21/2007	78.56	28.76	28.63	0.13	49.90	Geomatrix
	8/28/2007	78.56	28.22	---	---	50.34	Stantec
	9/11/2007	78.56	26.90	---	---	51.66	Geomatrix
	10/5/2007	78.56	28.43	---	---	50.13	Geomatrix
	11/2/2007	78.56	29.48	29.38	0.10	49.16	Geomatrix
	11/12/2007	78.56	29.03	---	---	49.53	Stantec
	8/15/2008	78.56	30.13	---	---	48.43	Envent
	10/17/2008	78.56	30.50	---	---	48.06	Envent
	12/18/2008	78.56	29.92	---	---	48.64	Envent
	1/15/2009	78.56	30.32	---	---	48.24	Envent
	3/24/2009	78.56	31.05	---	---	47.51	Envent
	4/21/2009	78.56	30.03	---	---	48.53	Envent
	7/21/2009	78.56	30.89	---	---	47.67	Envent
	10/19/2009	78.56	NM	---	---	NC	Blaine Tech
	11/9/2009	78.56	31.00	---	---	47.56	Kinder Morgan
	9/3/2010	78.56	31.22	---	---	47.34	Kinder Morgan
	10/4/2010	78.56	30.94	---	---	47.62	Blaine Tech
	4/12/2011	78.56	30.82	---	---	47.74	Blaine Tech
	10/10/2011	78.56	30.10	---	---	48.46	Blaine Tech
	4/16/2012	78.56	NM	---	---	NC	Blaine Tech
	7/9/2012	78.56	NM	---	---	NC	Blaine Tech
	10/15/2012	78.56	33.28	---	---	45.28	Blaine Tech
	4/8/2013	78.56	33.11	---	---	45.45	Blaine Tech
	10/7/2013	78.56	33.91	---	---	44.65	Blaine Tech
	4/14/2014	78.56	35.20	34.95	0.25	43.56	Blaine Tech
	5/5/2014	78.56	36.52	33.71	2.81	44.29	Nieto & Sons
	5/12/2014	78.56	35.45	33.87	1.58	44.37	Nieto & Sons
	5/27/2014	78.56	35.38	34.65	0.73	43.76	Nieto & Sons
	6/4/2014	78.56	35.40	35.32	0.08	43.22	Nieto & Sons
	8/8/2014	78.56	36.22	33.11	3.11	44.83	Blaine Tech
	8/13/2014	78.56	36.22	33.47	2.75	44.54	Blaine Tech
	8/19/2014	78.56	36.46	33.94	2.52	44.12	Blaine Tech
	8/29/2014	78.56	36.68	33.83	2.85	44.16	Blaine Tech
	9/5/2014	78.56	36.62	33.80	2.82	44.20	Blaine Tech
	9/11/2014	78.56	37.15	33.78	3.37	44.11	Blaine Tech
9/18/2014	78.56	36.79	33.93	2.86	44.06	Blaine Tech	
9/26/2014	78.56	36.89	33.88	3.01	44.08	Blaine Tech	
10/1/2014	78.56	34.95	33.32	1.63	44.91	Blaine Tech	
10/6/2014	78.56	36.36	33.95	2.41	44.13	Blaine Tech	
10/14/2014	78.56	36.67	33.86	2.81	44.14	Blaine Tech	
10/23/2014	78.56	36.86	33.86	3.00	44.10	Blaine Tech	
10/27/2014	78.56	36.20	33.99	2.21	44.13	Blaine Tech	
11/3/2014	78.56	36.91	33.84	3.07	44.11	Blaine Tech	
11/18/2014	78.56	36.78	33.95	2.83	44.04	Blaine Tech	
11/25/2014	78.56	36.65	34.03	2.62	44.01	Blaine Tech	
12/3/2014	78.56	36.71	33.94	2.77	44.07	Blaine Tech	
12/12/2014	78.56	37.29	34.08	3.21	43.84	Blaine Tech	
12/19/2014	78.56	38.03	34.04	3.99	43.72	Blaine Tech	
3/17/2015	78.56	35.94	35.50	0.44	42.97	Kinder Morgan	
4/20/2015	78.56	38.89	34.86	4.03	42.89	Kinder Morgan	
10/20/2015	78.56	37.42	35.38	2.04	42.77	Kinder Morgan	
3/16/2016	78.56	39.56	---	---	39.00	Kinder Morgan	
4/11/2016	78.56	37.62	---	---	40.94	Blaine Tech	
6/29/2016	78.56	37.06	---	---	41.50	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-11 Continued	8/22/2016	78.56	39.25	---	---	39.31	Blaine Tech
	10/3/2016	78.56	40.05	---	---	38.51	Blaine Tech
	3/10/2017	78.56	36.56	---	---	42.00	CH2M
	4/17/2017	78.56	35.91	---	---	42.65	Blaine Tech
	10/2/2017	78.56	40.09	---	---	38.47	Blaine Tech
	4/16/2018	78.56	39.90	---	---	38.66	Blaine Tech
	11/5/2018	78.56	39.52	---	---	39.04	Blaine Tech
	4/16/2019	78.56	38.52	---	---	40.04	Blaine Tech
	10/28/2019	78.56	39.13	---	---	39.43	Blaine Tech
	5/4/2020	78.56	36.95	---	---	41.61	Blaine Tech
11/2/2020	78.56	37.18	---	---	41.38	Blaine Tech	
5/3/2021	78.56	37.38	---	---	41.18	Blaine Tech	
MW-SF-12	8/14/2007	78.07	27.76	---	---	50.31	Geomatrix
	8/21/2007	78.07	27.43	---	---	50.64	Geomatrix
	8/28/2007	78.07	27.58	---	---	50.49	Stantec
	9/11/2007	78.07	27.73	---	---	50.34	Geomatrix
	10/5/2007	78.07	28.06	---	---	50.01	Geomatrix
	11/2/2007	78.07	29.59	---	---	48.48	Geomatrix
	11/12/2007	78.07	28.33	---	---	49.74	Stantec
	8/12/2008	78.07	30.02	---	---	48.05	Envent
	10/17/2008	78.07	30.42	---	---	47.65	Envent
	12/18/2008	78.07	31.55	---	---	46.52	Envent
	1/15/2009	78.07	30.11	---	---	47.96	Envent
	3/24/2009	78.07	29.41	---	---	48.66	Envent
	4/21/2009	78.07	29.52	---	---	48.55	Envent
	7/21/2009	78.07	28.58	---	---	49.49	Envent
	10/19/2009	78.07	NM	---	---	NC	Blaine Tech
	11/4/2009	78.07	30.36	---	---	47.71	Kinder Morgan
	2/4/2010	78.07	29.20	---	---	48.87	Kinder Morgan
	10/4/2010	78.07	30.70	---	---	47.37	Blaine Tech
	4/11/2011	78.07	29.47	---	---	48.60	Blaine Tech
	10/10/2011	78.07	26.60	---	---	51.47	Blaine Tech
	4/16/2012	78.07	31.40	---	---	46.67	Blaine Tech
	7/9/2012	78.07	NM	---	---	NC	Blaine Tech
	10/15/2012	78.07	32.12	---	---	45.95	Blaine Tech
	4/8/2013	78.07	DRY	---	---	NC	Blaine Tech
	10/7/2013	78.07	NM	---	---	NC	Blaine Tech
	4/14/2014	78.07	38.04	32.67	5.37	44.33	Blaine Tech
	5/20/2014	78.07	37.80	32.90	4.90	44.19	Nieto & Sons
	5/27/2014	78.07	33.27	---	---	44.80	Nieto & Sons
	6/4/2014	78.07	32.78	---	---	45.29	Nieto & Sons
	6/10/2014	78.07	33.76	---	---	44.31	Nieto & Sons
	7/3/2014	78.07	NM	33.58	---	NC	Nieto & Sons
	7/24/2014	78.07	NM	33.35	3.97	NC	Blaine Tech
	8/1/2014	78.07	37.20	33.17	4.03	44.09	Blaine Tech
	9/5/2014	78.07	38.52	32.93	5.59	44.02	Blaine Tech
9/11/2014	78.07	38.56	32.98	5.58	43.97	Blaine Tech	
9/18/2014	78.07	38.25	33.09	5.16	43.95	Blaine Tech	
9/26/2014	78.07	38.03	33.03	5.00	44.04	Blaine Tech	
10/1/2014	78.07	37.82	33.08	4.74	44.04	Blaine Tech	
10/6/2014	78.07	37.63	33.07	4.56	44.09	Blaine Tech	
10/14/2014	78.07	37.56	33.13	4.43	44.05	Blaine Tech	
10/23/2014	78.07	37.56	33.06	4.50	44.11	Blaine Tech	
10/27/2014	78.07	37.40	33.08	4.32	44.13	Blaine Tech	
11/3/2014	78.07	37.48	33.09	4.39	44.10	Blaine Tech	
11/18/2014	78.07	37.44	33.15	4.29	44.06	Blaine Tech	
11/25/2014	78.07	37.35	33.21	4.14	44.03	Blaine Tech	
12/3/2014	78.07	37.31	33.12	4.19	44.11	Blaine Tech	

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SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-12 Continued	12/12/2014	78.07	37.92	33.45	4.47	43.73	Blaine Tech
	12/19/2014	78.07	38.25	33.50	4.75	43.62	Blaine Tech
	3/17/2015	78.07	36.42	34.05	2.37	43.55	Kinder Morgan
	4/20/2015	78.07	36.42	34.05	2.37	43.55	Blaine Tech
	10/20/2015	78.07	36.78	34.84	1.94	42.84	Kinder Morgan
	3/16/2016	78.07	39.03	---	---	39.04	Kinder Morgan
	4/11/2016	78.07	37.13	---	---	40.94	Blaine Tech
	6/29/2016	78.07	38.34	38.28	0.06	39.78	Blaine Tech
	8/22/2016	78.07	38.60	---	---	39.47	Blaine Tech
	10/3/2016	78.07	39.45	---	---	38.62	Blaine Tech
	3/10/2017	78.07	36.09	---	---	41.98	CH2M
	4/17/2017	78.07	35.12	---	---	42.95	Blaine Tech
	10/2/2017	78.07	39.31	---	---	38.76	Blaine Tech
	4/16/2018	78.07	39.09	---	---	38.98	Blaine Tech
	11/5/2018	78.07	38.96	---	---	39.11	Blaine Tech
	4/16/2019	78.07	37.53	---	---	40.54	Blaine Tech
	10/28/2019	78.07	38.78	---	---	39.29	Blaine Tech
5/4/2020	78.07	36.36	---	---	41.71	Blaine Tech	
11/2/2020	78.07	36.53	---	---	41.54	Blaine Tech	
5/3/2021	78.07	36.19	---	---	41.88	Blaine Tech	
MW-SF-13	8/14/2007	73.40	22.98	---	---	50.42	Geomatrix
	8/21/2007	73.40	23.11	---	---	50.29	Geomatrix
	8/28/2007	73.40	22.85	---	---	50.55	Stantec
	9/11/2007	73.40	23.10	---	---	50.30	Geomatrix
	10/5/2007	73.40	28.11	---	---	45.29	Geomatrix
	11/2/2007	73.40	25.43	25.41	0.02	47.99	Geomatrix
	11/12/2007	73.40	23.70	---	---	49.70	Stantec
	12/21/2007	73.40	24.45	24.42	0.03	48.97	Geomatrix
	8/15/2008	73.40	27.38	24.11	3.27	48.47	Envent
	10/17/2008	73.40	27.28	24.33	2.95	48.33	Envent
	10/21/2008	73.40	27.14	24.26	2.88	48.42	Envent
	12/17/2008	73.40	26.21	24.70	1.51	48.32	Envent
	1/15/2009	73.40	26.90	24.80	2.10	48.08	Envent
	3/27/2009	73.40	26.46	25.49	0.97	47.67	Envent
	4/21/2009	73.40	24.86	24.78	0.08	48.60	Envent
	7/21/2009	73.40	25.72	25.48	0.24	47.86	Envent
	10/19/2009	73.40	NM	---	---	NC	Blaine Tech
	11/6/2009	73.40	25.72	---	---	47.68	Kinder Morgan
	2/4/2010	73.40	25.43	25.30	0.13	48.07	Kinder Morgan
	9/3/2010	73.40	27.40	25.71	1.69	47.27	Kinder Morgan
	10/4/2010	73.40	26.95	25.92	1.03	47.22	Blaine Tech
	4/12/2011	73.40	24.79	24.78	0.01	48.62	Blaine Tech
	10/10/2011	73.40	26.00	---	---	47.40	Blaine Tech
	4/16/2012	73.40	27.19	---	---	46.21	Blaine Tech
	7/9/2012	73.40	NM	---	---	NC	Blaine Tech
	10/15/2012	73.40	27.01	---	---	46.39	Blaine Tech
	4/8/2013	73.40	27.90	---	---	45.50	Blaine Tech
	10/7/2013	73.40	NM	---	---	NC	Blaine Tech
	11/14/2013	73.40	29.95	28.25	1.70	44.73	Blaine Tech
	4/14/2014	73.40	31.36	28.47	2.89	44.21	Blaine Tech
	5/5/2014	73.40	31.62	28.49	3.13	44.13	Nieto & Sons
5/12/2014	73.40	30.02	28.88	1.14	44.24	Nieto & Sons	
5/20/2014	73.40	31.10	29.77	1.33	43.30	Nieto & Sons	
5/27/2014	73.40	30.17	29.48	0.69	43.75	Nieto & Sons	
6/4/2014	73.40	30.22	---	---	43.18	Nieto & Sons	
6/10/2014	73.40	30.20	29.76	0.44	43.53	Nieto & Sons	
7/3/2014	73.40	30.49	29.88	0.61	43.37	Nieto & Sons	
7/24/2014	73.40	30.50	29.54	0.96	43.62	Blaine Tech	

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SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-13 Continued	8/1/2014	73.40	29.82	29.25	0.57	44.01	Blaine Tech
	8/8/2014	73.40	34.07	33.71	0.36	39.60	Blaine Tech
	8/14/2014	73.40	29.96	29.13	0.83	44.06	Blaine Tech
	8/19/2014	73.40	29.91	29.15	0.76	44.06	Blaine Tech
	8/29/2014	73.40	30.15	29.02	1.13	44.10	Blaine Tech
	9/5/2014	73.40	30.19	29.08	1.11	44.04	Blaine Tech
	9/11/2014	73.40	30.66	28.91	1.75	44.05	Blaine Tech
	9/18/2014	73.40	30.41	29.15	1.26	43.94	Blaine Tech
	9/26/2014	73.40	30.18	29.14	1.04	44.00	Blaine Tech
	10/1/2014	73.40	30.38	29.05	1.33	44.02	Blaine Tech
	10/6/2014	73.40	30.10	29.12	0.98	44.04	Blaine Tech
	10/13/2014	73.40	30.28	29.07	1.21	44.03	Blaine Tech
	10/23/2014	73.40	30.72	28.95	1.77	44.01	Blaine Tech
	10/27/2014	73.40	30.21	29.06	1.15	44.05	Blaine Tech
	11/3/2014	73.40	30.62	28.93	1.69	44.05	Blaine Tech
	11/18/2014	73.40	30.54	29.11	1.43	43.93	Blaine Tech
	11/25/2014	73.40	29.48	29.14	0.34	44.18	Blaine Tech
	12/3/2014	73.40	31.02	28.93	2.09	43.95	Blaine Tech
	12/12/2014	73.40	31.05	29.40	1.65	43.59	Blaine Tech
	12/19/2014	73.40	31.11	29.40	1.71	43.57	Blaine Tech
	4/20/2015	73.40	32.44	29.04	3.40	43.51	Blaine Tech
	10/19/2015	73.40	35.16	29.31	5.85	42.63	Blaine Tech
	3/14/2016	73.40	34.72	---	---	38.68	Blaine Tech
	4/11/2016	73.40	32.28	---	---	41.12	Blaine Tech
	6/29/2016	73.40	33.62	---	---	39.78	Blaine Tech
	8/22/2016	73.40	33.66	---	---	39.74	Blaine Tech
	10/3/2016	73.40	34.20	---	---	39.20	Blaine Tech
	3/24/2017	73.40	31.25	---	---	42.15	CH2M
	4/17/2017	73.40	30.40	---	---	43.00	Blaine Tech
	10/2/2017	73.40	34.52	---	---	38.88	Blaine Tech
4/16/2018	73.40	34.26	---	---	39.14	Blaine Tech	
11/5/2018	73.40	34.43	---	---	38.97	Blaine Tech	
4/16/2019	73.40	32.29	---	---	41.11	Blaine Tech	
11/1/2019	73.40	33.76	---	---	39.64	Blaine Tech	
5/4/2020	73.40	31.52	---	---	41.88	Blaine Tech	
11/2/2020	73.40	32.05	---	---	41.35	Blaine Tech	
5/3/2021	73.40	32.48	---	---	40.92	Blaine Tech	
MW-SF-14	8/14/2007	78.16	27.68	---	---	50.48	Geomatrix
	8/21/2007	78.16	27.60	---	---	50.56	Geomatrix
	8/28/2007	78.16	27.53	---	---	50.63	Stantec
	9/11/2007	78.16	27.66	---	---	50.50	Geomatrix
	10/5/2007	78.16	27.75	---	---	50.41	Geomatrix
	11/2/2007	78.16	29.83	---	---	48.33	Geomatrix
	11/12/2007	78.16	NM	---	---	NC	Secor
	8/15/2008	78.16	29.77	29.24	0.53	48.81	Envent
	10/17/2008	78.16	29.52	29.50	0.02	48.66	Envent
	12/18/2008	78.16	30.62	---	---	47.54	Envent
	1/15/2009	78.16	30.08	---	---	48.08	Envent
	3/24/2009	78.16	29.73	---	---	48.43	Envent
	4/21/2009	78.16	29.61	---	---	48.55	Envent
	7/21/2009	78.16	29.20	---	---	48.96	Envent
	10/19/2009	78.16	NM	---	---	NC	Blaine Tech
	11/6/2009	78.16	30.48	---	---	47.68	Kinder Morgan
	12/9/2009	78.16	30.68	---	---	47.48	Kinder Morgan
	6/22/2010	78.16	26.17	---	---	51.99	Blaine Tech
	10/4/2010	78.16	30.54	---	---	47.62	Blaine Tech
	4/12/2011	78.16	29.55	---	---	48.61	Blaine Tech
10/10/2011	78.16	29.84	---	---	48.32	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-14 Continued	4/16/2012	78.16	NM	---	---	NC	Blaine Tech
	7/9/2012	78.16	NM	---	---	NC	Blaine Tech
	10/15/2012	78.16	30.02	---	---	48.14	Blaine Tech
	4/8/2013	78.16	32.75	---	---	45.41	Blaine Tech
	5/24/2013	78.16	32.75	---	---	45.41	Blaine Tech
	9/26/2013	78.16	34.50	34.25	0.25	43.86	Blaine Tech
	10/7/2013	78.16	NM	---	---	NC	Blaine Tech
	11/14/2013	78.16	33.57	33.19	0.38	44.89	Blaine Tech
	4/14/2014	78.16	34.81	33.56	1.25	44.35	Blaine Tech
	8/8/2014	78.16	34.24	33.98	0.26	44.13	Blaine Tech
	10/14/2014	78.16	34.36	33.80	0.56	44.25	Blaine Tech
	10/23/2014	78.16	34.49	34.43	0.06	43.72	Blaine Tech
	10/27/2014	78.16	34.40	33.97	0.43	44.10	Blaine Tech
	11/18/2014	78.16	34.27	34.07	0.20	44.05	Blaine Tech
	4/20/2015	78.16	34.48	---	---	43.68	Blaine Tech
	10/21/2015	78.16	35.25	---	---	42.91	Blaine Tech
	3/14/2016	78.16	36.21	---	---	41.95	Blaine Tech
	4/11/2016	78.16	37.14	---	---	41.02	Blaine Tech
	6/29/2016	78.16	37.36	---	---	40.80	Blaine Tech
	8/22/2016	78.16	DRY	---	---	NC	Blaine Tech
	10/3/2016	78.16	DRY	---	---	NC	Blaine Tech
	4/17/2017	78.16	35.40	---	---	42.76	Blaine Tech
	10/2/2017	78.16	DRY	---	---	NC	Blaine Tech
4/16/2018	78.16	DRY	---	---	NC	Blaine Tech	
11/5/2018	78.16	DRY	---	---	NC	Blaine Tech	
4/16/2019	78.16	DRY	---	---	NC	Blaine Tech	
10/28/2019	78.16	DRY	---	---	NC	Blaine Tech	
5/4/2020	78.16	DRY	---	---	NC	Blaine Tech	
11/2/2020	78.16	DRY	---	---	NC	Blaine Tech	
5/3/2021	78.16	DRY	---	---	NC	Blaine Tech	
MW-SF-15	8/14/2007	78.27	27.78	27.75	0.03	50.51	Geomatrix
	8/21/2007	78.27	27.69	27.65	0.04	50.61	Geomatrix
	8/28/2007	78.27	27.65	27.61	0.04	50.65	Stantec
	9/11/2007	78.27	27.62	---	---	50.65	Geomatrix
	10/8/2007	78.27	28.15	---	---	50.12	Geomatrix
	11/2/2007	78.27	30.45	30.20	0.25	48.02	Geomatrix
	11/12/2007	78.27	28.75	---	---	49.52	Stantec
	8/15/2008	78.27	30.12	29.35	0.77	48.77	Envent
	10/17/2008	78.27	30.80	29.44	1.36	48.56	Envent
	10/21/2008	78.27	30.80	29.31	1.49	48.66	Envent
	12/18/2008	78.27	32.11	30.56	1.55	47.40	Envent
	1/15/2009	78.27	31.75	29.70	2.05	48.16	Envent
	3/24/2009	78.27	30.32	29.93	0.39	48.26	Envent
	4/21/2009	78.27	29.96	29.60	0.36	48.60	Envent
	7/21/2009	78.27	30.45	---	---	47.82	Envent
	10/19/2009	78.27	NM	---	---	NC	Blaine Tech
	11/4/2009	78.27	31.10	30.45	0.36	47.46	Kinder Morgan
	12/9/2009	78.27	30.87	---	---	47.40	Kinder Morgan
	10/4/2010	78.27	30.66	30.65	0.01	47.62	Blaine Tech
	4/12/2011	78.27	30.50	29.40	1.10	48.65	Blaine Tech
	10/10/2011	78.27	29.60	---	---	48.67	Blaine Tech
	12/2/2011	78.27	31.40	30.05	1.35	47.95	Blaine Tech
	4/16/2012	78.27	32.48	32.39	0.09	45.86	Blaine Tech
7/9/2012	78.27	NM	---	---	NC	Blaine Tech	
10/15/2012	78.16	33.04	---	---	45.12	Blaine Tech	
4/8/2013	78.27	33.90	---	---	44.37	Blaine Tech	
5/24/2013	78.27	33.90	---	---	44.37	Blaine Tech	
10/7/2013	78.27	NM	---	---	NC	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-15 Continued	11/14/2013	78.27	33.41	33.38	0.03	44.88	Blaine Tech
	4/18/2014	78.27	33.85	---	---	44.42	Blaine Tech
	8/8/2014	78.27	34.87	33.96	0.91	44.13	Blaine Tech
	8/13/2014	78.27	34.89	33.95	0.94	44.13	Blaine Tech
	8/19/2014	78.27	34.90	33.94	0.96	44.14	Blaine Tech
	8/29/2014	78.27	35.65	35.38	0.27	42.84	Blaine Tech
	10/27/2014	78.27	35.82	---	---	42.45	Blaine Tech
	4/20/2015	78.27	36.63	34.12	2.51	43.65	Blaine Tech
	10/19/2015	78.27	37.90	34.87	3.03	42.79	Blaine Tech
	11/17/2015	78.27	37.71	35.36	2.35	42.44	Kinder Morgan
	3/14/2016	78.27	39.70	---	---	38.57	Blaine Tech
	4/11/2016	78.27	37.24	---	---	41.03	Blaine Tech
	6/29/2016	78.27	38.70	---	---	39.57	Blaine Tech
	8/22/2016	78.27	38.78	---	---	39.49	Blaine Tech
	10/3/2016	78.27	39.56	---	---	38.71	Blaine Tech
	3/23/2017	78.27	36.10	---	---	42.17	CH2M
	4/17/2017	78.27	35.39	---	---	42.88	Blaine Tech
	10/2/2017	78.27	39.40	---	---	38.87	Blaine Tech
	4/16/2018	78.27	39.10	---	---	39.17	Blaine Tech
	11/5/2018	78.27	39.00	---	---	39.27	Blaine Tech
	4/23/2019	78.27	36.15	---	---	42.12	Blaine Tech
10/28/2019	78.27	38.92	---	---	39.35	Blaine Tech	
5/4/2020	78.27	36.37	---	---	41.90	Blaine Tech	
11/2/2020	78.27	36.72	---	---	41.55	Blaine Tech	
5/3/2021	78.27	37.53	---	---	40.74	Blaine Tech	
MW-SF-16	8/14/2007	78.21	27.68	---	---	50.53	Geomatrix
	8/21/2007	78.21	27.33	---	---	50.88	Geomatrix
	8/28/2007	78.21	27.51	---	---	50.70	Stantec
	9/11/2007	78.21	27.59	---	---	50.62	Geomatrix
	10/5/2007	78.21	28.10	---	---	50.11	Geomatrix
	11/2/2007	78.21	29.81	---	---	48.40	Geomatrix
	11/12/2007	78.21	28.40	---	---	49.81	Stantec
	8/15/2008	78.21	29.36	---	---	48.85	Envent
	10/17/2008	78.21	29.51	---	---	48.70	Envent
	12/18/2008	78.21	30.94	---	---	47.27	Envent
	1/15/2009	78.21	30.01	30.00	0.01	48.21	Envent
	3/24/2009	78.21	29.82	---	---	48.39	Envent
	4/21/2009	78.21	29.60	---	---	48.61	Envent
	7/21/2009	78.21	30.36	---	---	47.85	Envent
	10/19/2009	78.21	NM	---	---	NC	Blaine Tech
	11/4/2009	78.21	30.58	---	---	47.63	Kinder Morgan
	2/4/2010	78.21	30.36	---	---	47.85	Kinder Morgan
	9/3/2010	78.21	30.25	---	---	47.96	Kinder Morgan
	10/4/2010	78.21	30.49	---	---	47.72	Blaine Tech
	4/12/2011	78.21	29.52	---	---	48.69	Blaine Tech
	10/10/2011	78.21	29.85	---	---	48.36	Blaine Tech
	4/16/2012	78.21	NM	---	---	NC	Blaine Tech
	7/9/2012	78.21	NM	---	---	NC	Blaine Tech
	10/15/2012	78.21	32.47	---	---	45.74	Blaine Tech
	4/8/2013	78.21	32.97	32.73	0.24	45.43	Blaine Tech
	5/24/2013	78.21	32.97	32.73	0.24	45.43	Blaine Tech
	10/7/2013	78.21	NM	---	---	NC	Blaine Tech
	11/14/2013	78.21	33.80	33.21	0.59	44.88	Blaine Tech
	4/18/2014	78.21	34.20	33.65	0.55	44.45	Blaine Tech
	8/8/2014	78.21	34.06	34.05	0.01	44.16	Blaine Tech
	10/27/2014	78.21	34.25	---	---	43.96	Blaine Tech
	4/20/2015	78.21	34.52	---	---	43.69	Blaine Tech
6/8/2015	78.21	35.17	35.00	0.17	43.18	Blaine Tech	

Table 9. Groundwater and Product Measurements, and Elevations for Total Fluids, Groundwater, and Soil Vapor Extraction Wells

SFPP Norwalk Pump Station, Norwalk, California

Well ID	Date Gauged	Top of Well Casing Elevation	Measured Depth to Groundwater	Measured Depth to Product	Apparent Product Thickness	Corrected Groundwater Elevation	Gauged By
		(feet msl)	(feet btoc)	(feet btoc)	(feet)	(feet msl)	
MW-SF-16 continued	10/21/2015	78.21	34.56	---	---	43.65	Kinder Morgan
	3/14/2016	78.21	39.60	---	---	38.61	Blaine Tech
	4/11/2016	78.21	37.15	---	---	41.06	Blaine Tech
	6/29/2016	78.21	38.35	---	---	39.86	Blaine Tech
	8/22/2016	78.21	38.51	---	---	39.70	Blaine Tech
	10/3/2016	78.21	39.35	---	---	38.86	Blaine Tech
	4/17/2017	78.21	35.20	---	---	43.01	Blaine Tech
	10/2/2017	78.21	DRY	---	---	NC	Blaine Tech
	4/16/2018	78.21	DRY	---	---	NC	Blaine Tech
	11/5/2018	78.21	DRY	---	---	NC	Blaine Tech
	4/16/2019	78.21	DRY	---	---	NC	Blaine Tech
	10/28/2019	78.21	DRY	---	---	NC	Blaine Tech
	5/4/2020	78.21	DRY	---	---	NC	Blaine Tech
11/2/2020	78.21	DRY	---	---	NC	Blaine Tech	
5/3/2021	78.21	DRY	---	---	NC	Blaine Tech	

Notes:

Corrected groundwater elevations are based on specific gravity data collected during baildown testing, or a default value of 0.8 foot msl was used for wells not tested.

--- = not detected or not applicable

DRY = no measurable water observed in the well

feet btoc = feet below top of casing

feet msl = feet above mean sea level based on National Geodetic Vertical Datum of 1929

NC = not calculated

NM = not measured

Figures

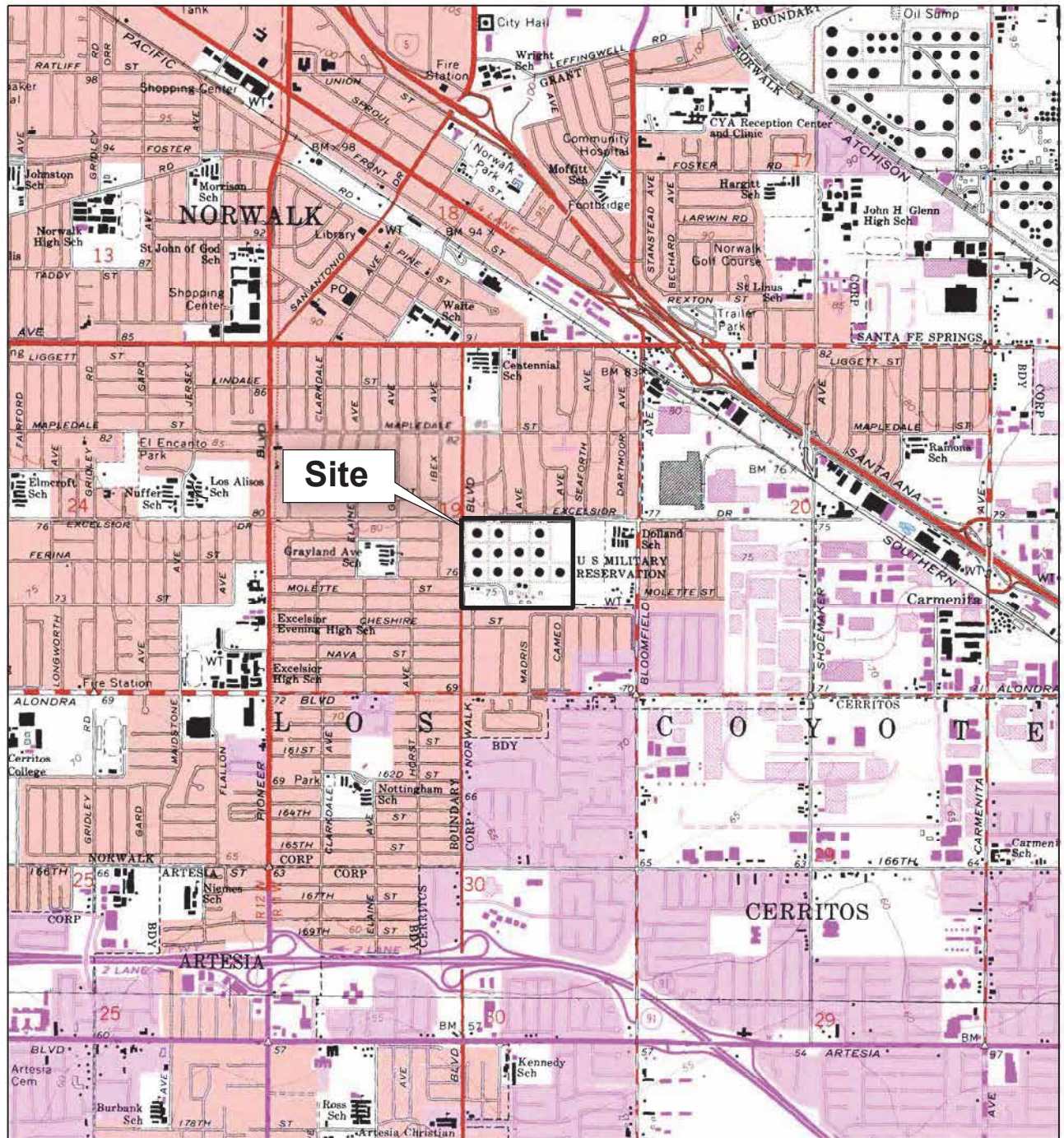
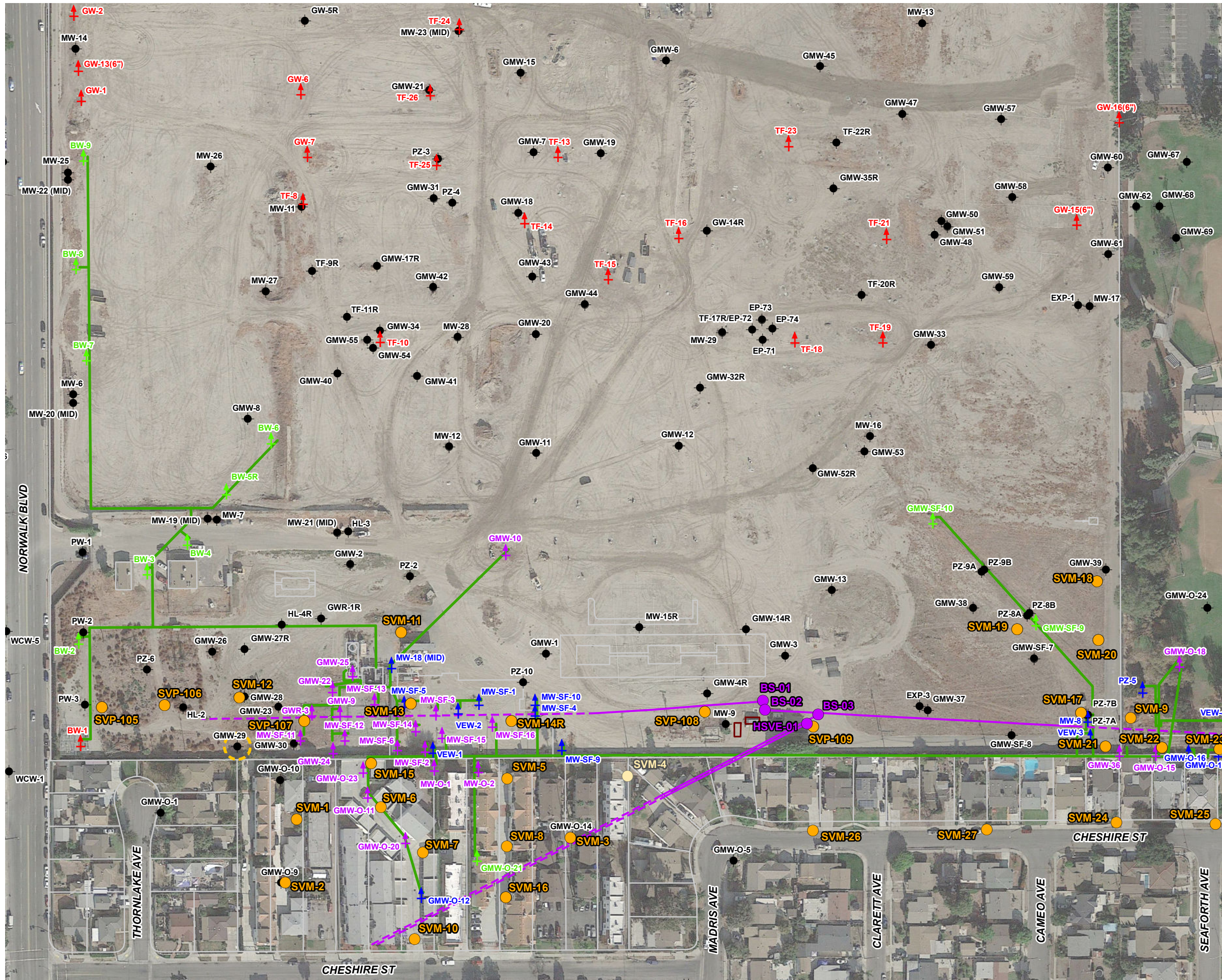


Figure 1. Site Location Map
 SFPP Norwalk Pump Station
 Norwalk, California

BASEMAP MODIFIED FROM U.S.G.S. 7.5 MINUTE QUADRANGLE MAP
 LOS ALAMITOS 1964, CALIFORNIA. PHOTO-REVISED 1981.
 WHITTIER 1965, CALIFORNIA. PHOTO-REVISED 1981.

Jacobs



- LEGEND**
- Soil Vapor Probe/Soil Vapor Monitoring Probe
 - Destroyed Soil Vapor Probe/Soil Vapor Monitoring Probe
 - Horizontal Biosparge Well Entry Point
 - Existing Groundwater Monitoring Well
 - ⊕ Existing Remediation Well
 - ⊕ Kinder Morgan Combined Soil Vapor and Total Fluids Extraction Wells
 - ⊕ Kinder Morgan Soil Vapor Extraction Wells
 - ⊕ Kinder Morgan Total Fluids and/or Groundwater Extraction Wells
 - Kinder Morgan Remediation Piping Layout (Above Ground and Below Ground)
 - Horizontal Biosparge Well (Dashed Line Depicts Approximate Lateral Extent of Well Screen)
 - Air Compressor System
 - Well with Increasing Dissolved Phase Trends. All Other Wells Illustrate Stable or Decreasing Dissolved Phase Trends

Imagery Source:
Google Earth December 3, 2017.

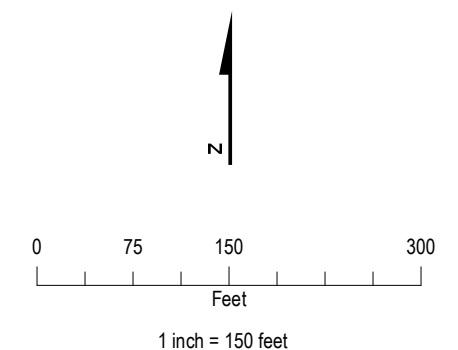
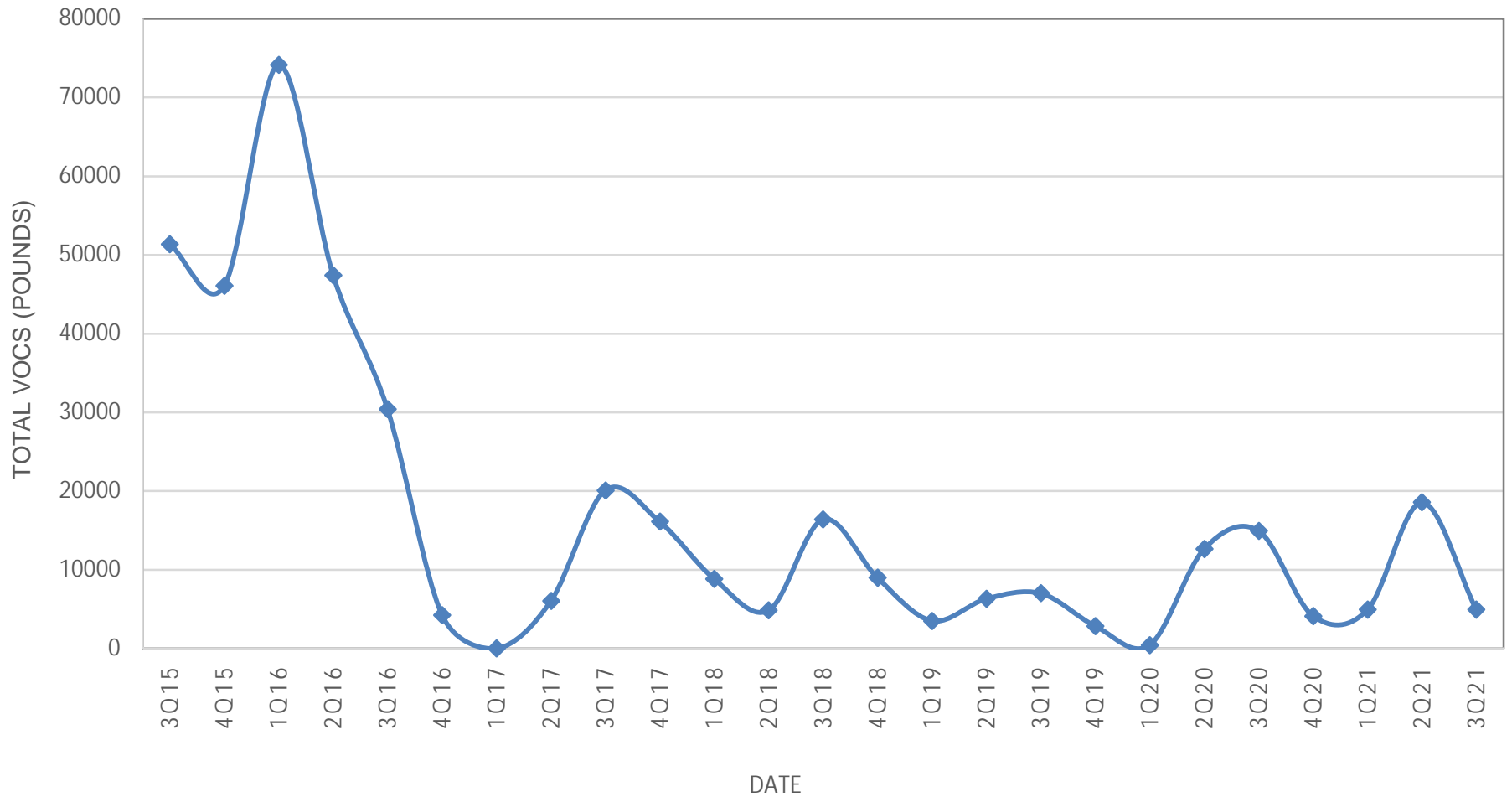
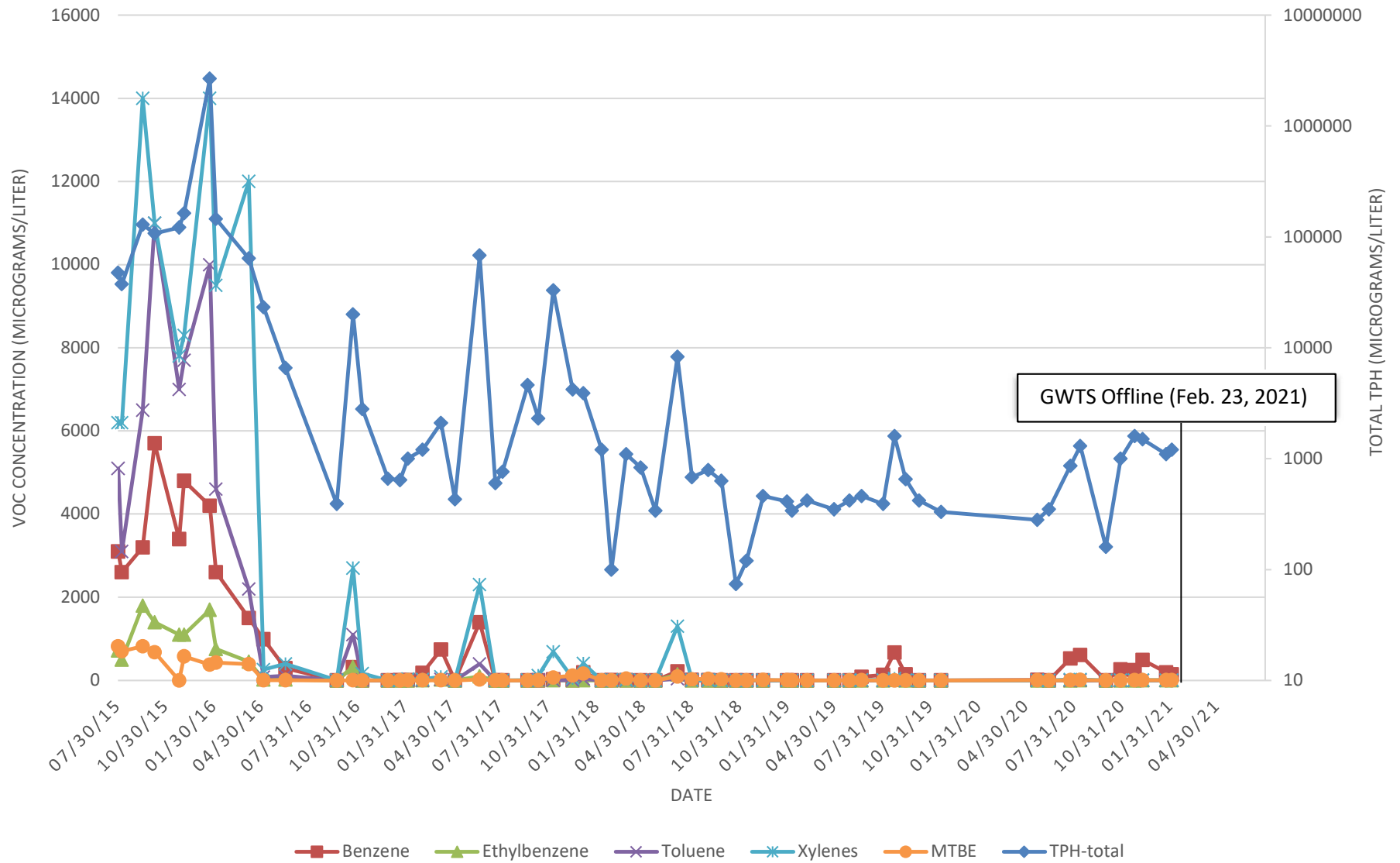


Figure 2. Remediation System Layout
SFPP Norwalk Pump Station
Norwalk, California



Note:
 VOC = volatile organic compound

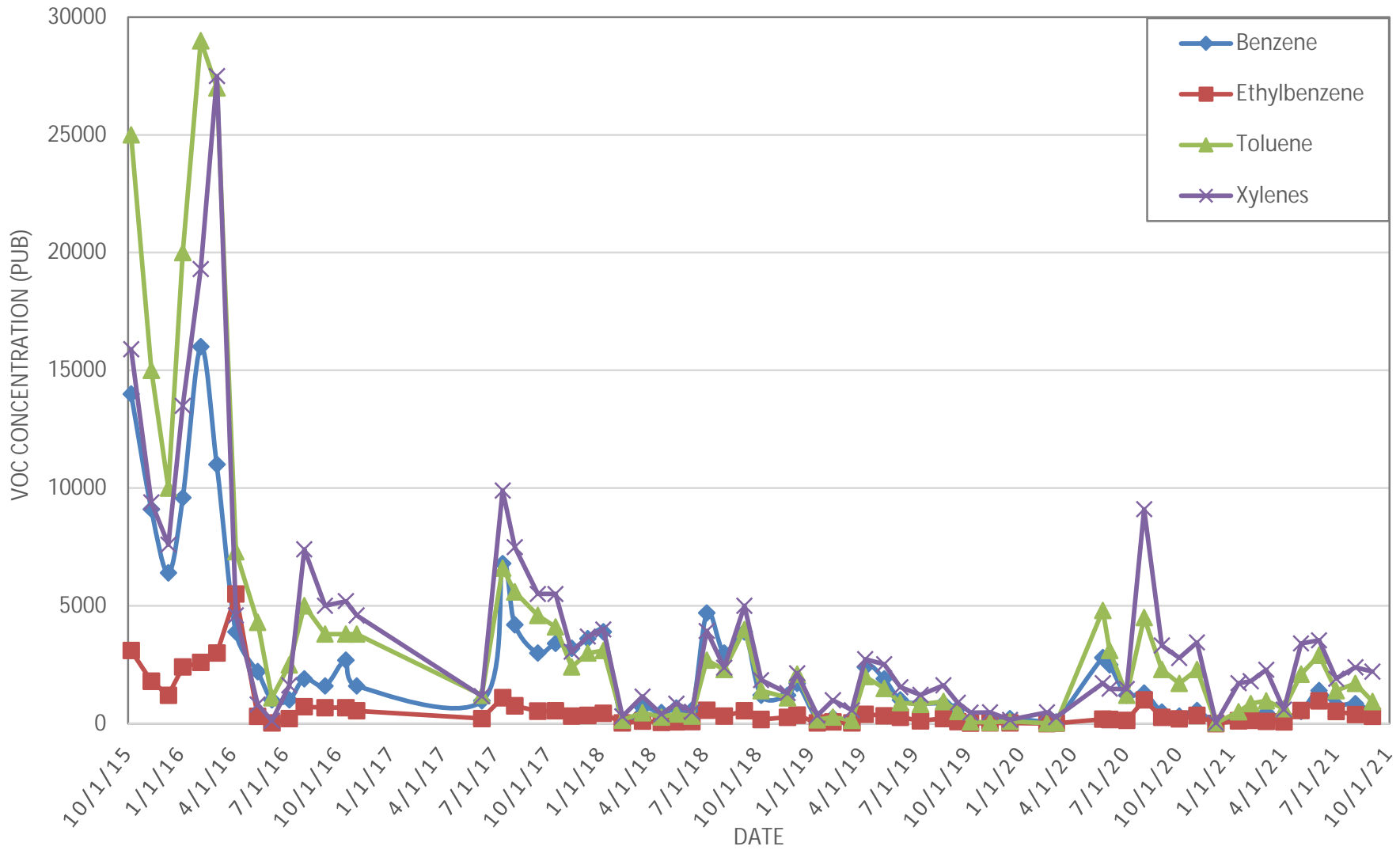
**Figure 3. Mass of VOCs Removed Quarterly
 by the Soil Vapor Extraction System**
 SFPP Norwalk Pump Station
 Norwalk, California



GWTS Offline (Feb. 23, 2021)

Note:
VOC = volatile organic compound

Figure 4. Influent VOC and TPH-Total Concentrations into the Groundwater Extraction System SFPP Norwalk Pump Station Norwalk, California



Note:
 VOC = volatile organic compound

Figure 5. Influent VOC Concentrations into the Soil Vapor Extraction System
 SFPP Norwalk Pump Station
 Norwalk, California

Appendix A
Laboratory Analytical Reports



9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

August 27, 2021

Eric Davis
CH2M Hill, Inc.
P.O. Box 241329
Denver, CO 80224

**Re : KMEP Norwalk Biosparge Startup / 693142
MB187340 / 1H10015**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 08/10/21 14:20 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytix.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Allen A.', written in black ink.

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
-----------	---------------	--------	-----	--------------	---------------

Fixed Gases

SVM-12-7	1H10015-01	Vapor	10	08/10/21 08:20	08/10/21 14:20
SVM-12-15	1H10015-02	Vapor	10	08/10/21 08:20	08/10/21 14:20
SVM-12-22	1H10015-03	Vapor	10	08/10/21 08:20	08/10/21 14:20
SVM-11-7	1H10015-04	Vapor	10	08/10/21 09:00	08/10/21 14:20
SVM-11-15	1H10015-05	Vapor	10	08/10/21 09:00	08/10/21 14:20
SVM-11-22	1H10015-06	Vapor	10	08/10/21 09:00	08/10/21 14:20
SVM-13-7	1H10015-07	Vapor	10	08/10/21 09:25	08/10/21 14:20
SVM-13-7 DUP	1H10015-08	Vapor	10	08/10/21 09:25	08/10/21 14:20
SVM-13-15	1H10015-09	Vapor	10	08/10/21 09:25	08/10/21 14:20
SVM-13-22	1H10015-10	Vapor	10	08/10/21 09:25	08/10/21 14:20
SVM-14R-8	1H10015-11	Vapor	10	08/10/21 10:00	08/10/21 14:20
SVM-14R-16	1H10015-12	Vapor	10	08/10/21 10:00	08/10/21 14:20
SVM-14R-22	1H10015-13	Vapor	10	08/10/21 10:00	08/10/21 14:20
SVM-1-5	1H10015-15	Vapor	10	08/10/21 10:45	08/10/21 14:20
SVM-1-15	1H10015-16	Vapor	10	08/10/21 10:45	08/10/21 14:20
SVM-2-5	1H10015-17	Vapor	10	08/10/21 11:00	08/10/21 14:20
SVM-3-5	1H10015-18	Vapor	10	08/11/21 08:23	08/10/21 14:20
SVM-3-15	1H10015-19	Vapor	10	08/11/21 08:23	08/10/21 14:20
SVM-8-5	1H10015-20	Vapor	10	08/11/21 08:50	08/10/21 14:20

Allen Aminian
QA/QC Manager

**LABORATORY ANALYSIS RESULTS**

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
SVM-8-15	1H10015-21	Vapor	10	08/11/21 08:46	08/10/21 14:20
SVM-5-5	1H10015-22	Vapor	10	08/11/21 09:10	08/10/21 14:20
SVM-5-15	1H10015-23	Vapor	10	08/11/21 09:10	08/10/21 14:20
SVM-16-7	1H10015-24	Vapor	10	08/11/21 09:30	08/10/21 14:20
SVM-16-16	1H10015-25	Vapor	10	08/11/21 09:30	08/10/21 14:20
SVM-16-22	1H10015-26	Vapor	10	08/11/21 09:37	08/10/21 14:20
SVM-16-22 DUP	1H10015-27	Vapor	10	08/11/21 09:37	08/10/21 14:20
SVM-15-7	1H10015-28	Vapor	10	08/11/21 10:10	08/10/21 14:20
SVM-15-15	1H10015-29	Vapor	10	08/11/21 10:10	08/10/21 14:20
SVM-15-22	1H10015-30	Vapor	10	08/11/21 10:10	08/10/21 14:20
SVM-6-5	1H10015-32	Vapor	10	08/11/21 10:31	08/10/21 14:20
SVM-6-15	1H10015-33	Vapor	10	08/11/21 10:31	08/10/21 14:20
SVM-7-7	1H10015-34	Vapor	10	08/11/21 10:50	08/10/21 14:20
SVM-7-13	1H10015-35	Vapor	10	08/11/21 10:50	08/10/21 14:20
SVM-10-15	1H10015-36	Vapor	10	08/11/21 11:17	08/10/21 14:20
<u>TO-15 (Mid Level)</u>					
SVM-12-7	1H10015-01	Vapor	10	08/10/21 08:20	08/10/21 14:20
SVM-12-15	1H10015-02	Vapor	10	08/10/21 08:20	08/10/21 14:20
SVM-12-22	1H10015-03	Vapor	10	08/10/21 08:20	08/10/21 14:20
SVM-11-7	1H10015-04	Vapor	10	08/10/21 09:00	08/10/21 14:20

Allen Aminian
QA/QC Manager

**LABORATORY ANALYSIS RESULTS**

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
SVM-11-15	1H10015-05	Vapor	10	08/10/21 09:00	08/10/21 14:20
SVM-11-22	1H10015-06	Vapor	10	08/10/21 09:00	08/10/21 14:20
SVM-13-7	1H10015-07	Vapor	10	08/10/21 09:25	08/10/21 14:20
SVM-13-7 DUP	1H10015-08	Vapor	10	08/10/21 09:25	08/10/21 14:20
SVM-13-15	1H10015-09	Vapor	10	08/10/21 09:25	08/10/21 14:20
SVM-13-22	1H10015-10	Vapor	10	08/10/21 09:25	08/10/21 14:20
SVM-14R-8	1H10015-11	Vapor	10	08/10/21 10:00	08/10/21 14:20
SVM-14R-16	1H10015-12	Vapor	10	08/10/21 10:00	08/10/21 14:20
SVM-14R-22	1H10015-13	Vapor	10	08/10/21 10:00	08/10/21 14:20
AMBIENT AIR	1H10015-14	Vapor	10	08/10/21 10:10	08/10/21 14:20
SVM-1-5	1H10015-15	Vapor	10	08/10/21 10:45	08/10/21 14:20
SVM-1-15	1H10015-16	Vapor	10	08/10/21 10:45	08/10/21 14:20
SVM-2-5	1H10015-17	Vapor	10	08/10/21 11:00	08/10/21 14:20
SVM-3-5	1H10015-18	Vapor	10	08/11/21 08:23	08/10/21 14:20
SVM-3-15	1H10015-19	Vapor	10	08/11/21 08:23	08/10/21 14:20
SVM-8-5	1H10015-20	Vapor	10	08/11/21 08:50	08/10/21 14:20
SVM-8-15	1H10015-21	Vapor	10	08/11/21 08:46	08/10/21 14:20
SVM-5-5	1H10015-22	Vapor	10	08/11/21 09:10	08/10/21 14:20
SVM-5-15	1H10015-23	Vapor	10	08/11/21 09:10	08/10/21 14:20
SVM-16-7	1H10015-24	Vapor	10	08/11/21 09:30	08/10/21 14:20

Allen Aminian
QA/QC Manager

**LABORATORY ANALYSIS RESULTS**

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
SVM-16-16	1H10015-25	Vapor	10	08/11/21 09:30	08/10/21 14:20
SVM-16-22	1H10015-26	Vapor	10	08/11/21 09:37	08/10/21 14:20
SVM-16-22 DUP	1H10015-27	Vapor	10	08/11/21 09:37	08/10/21 14:20
SVM-15-7	1H10015-28	Vapor	10	08/11/21 10:10	08/10/21 14:20
SVM-15-15	1H10015-29	Vapor	10	08/11/21 10:10	08/10/21 14:20
SVM-15-22	1H10015-30	Vapor	10	08/11/21 10:10	08/10/21 14:20
Ambient Air	1H10015-31	Vapor	10	08/11/21 10:05	08/10/21 14:20
SVM-6-5	1H10015-32	Vapor	10	08/11/21 10:31	08/10/21 14:20
SVM-6-15	1H10015-33	Vapor	10	08/11/21 10:31	08/10/21 14:20
SVM-7-7	1H10015-34	Vapor	10	08/11/21 10:50	08/10/21 14:20
SVM-7-13	1H10015-35	Vapor	10	08/11/21 10:50	08/10/21 14:20
SVM-10-15	1H10015-36	Vapor	10	08/11/21 11:17	08/10/21 14:20

TO-3

SVM-12-7	1H10015-01	Vapor	10	08/10/21 08:20	08/10/21 14:20
SVM-12-15	1H10015-02	Vapor	10	08/10/21 08:20	08/10/21 14:20
SVM-12-22	1H10015-03	Vapor	10	08/10/21 08:20	08/10/21 14:20
SVM-11-7	1H10015-04	Vapor	10	08/10/21 09:00	08/10/21 14:20
SVM-11-15	1H10015-05	Vapor	10	08/10/21 09:00	08/10/21 14:20
SVM-11-22	1H10015-06	Vapor	10	08/10/21 09:00	08/10/21 14:20
SVM-13-7	1H10015-07	Vapor	10	08/10/21 09:25	08/10/21 14:20

Allen Aminian
QA/QC Manager

**LABORATORY ANALYSIS RESULTS**

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
SVM-13-7 DUP	1H10015-08	Vapor	10	08/10/21 09:25	08/10/21 14:20
SVM-13-15	1H10015-09	Vapor	10	08/10/21 09:25	08/10/21 14:20
SVM-13-22	1H10015-10	Vapor	10	08/10/21 09:25	08/10/21 14:20
SVM-14R-8	1H10015-11	Vapor	10	08/10/21 10:00	08/10/21 14:20
SVM-14R-16	1H10015-12	Vapor	10	08/10/21 10:00	08/10/21 14:20
SVM-14R-22	1H10015-13	Vapor	10	08/10/21 10:00	08/10/21 14:20
AMBIENT AIR	1H10015-14	Vapor	10	08/10/21 10:10	08/10/21 14:20
SVM-1-5	1H10015-15	Vapor	10	08/10/21 10:45	08/10/21 14:20
SVM-1-15	1H10015-16	Vapor	10	08/10/21 10:45	08/10/21 14:20
SVM-2-5	1H10015-17	Vapor	10	08/10/21 11:00	08/10/21 14:20
SVM-3-5	1H10015-18	Vapor	10	08/11/21 08:23	08/10/21 14:20
SVM-3-15	1H10015-19	Vapor	10	08/11/21 08:23	08/10/21 14:20
SVM-8-5	1H10015-20	Vapor	10	08/11/21 08:50	08/10/21 14:20
SVM-8-15	1H10015-21	Vapor	10	08/11/21 08:46	08/10/21 14:20
SVM-5-5	1H10015-22	Vapor	10	08/11/21 09:10	08/10/21 14:20
SVM-5-15	1H10015-23	Vapor	10	08/11/21 09:10	08/10/21 14:20
SVM-16-7	1H10015-24	Vapor	10	08/11/21 09:30	08/10/21 14:20
SVM-16-16	1H10015-25	Vapor	10	08/11/21 09:30	08/10/21 14:20
SVM-16-22	1H10015-26	Vapor	10	08/11/21 09:37	08/10/21 14:20
SVM-16-22 DUP	1H10015-27	Vapor	10	08/11/21 09:37	08/10/21 14:20

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
SVM-15-7	1H10015-28	Vapor	10	08/11/21 10:10	08/10/21 14:20
SVM-15-15	1H10015-29	Vapor	10	08/11/21 10:10	08/10/21 14:20
SVM-15-22	1H10015-30	Vapor	10	08/11/21 10:10	08/10/21 14:20
Ambient Air	1H10015-31	Vapor	10	08/11/21 10:05	08/10/21 14:20
SVM-6-5	1H10015-32	Vapor	10	08/11/21 10:31	08/10/21 14:20
SVM-6-15	1H10015-33	Vapor	10	08/11/21 10:31	08/10/21 14:20
SVM-7-7	1H10015-34	Vapor	10	08/11/21 10:50	08/10/21 14:20
SVM-7-13	1H10015-35	Vapor	10	08/11/21 10:50	08/10/21 14:20
SVM-10-15	1H10015-36	Vapor	10	08/11/21 11:17	08/10/21 14:20

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Fixed Gases by TCD								
Oxygen	SVM-12-7	21	0.20	% by Volum e	2	08/19/21	08/19/21	ASTM D1946M
Methane	SVM-12-15	0.66	0.20	% by Volum e	2	08/19/21	08/19/21	ASTM D1946M
Oxygen	SVM-12-15	18	0.20	% by Volum e	2	08/19/21	08/19/21	ASTM D1946M
Carbon Dioxide	SVM-12-15	2.1	0.20	% by Volum e	2	08/19/21	08/19/21	ASTM D1946M
Oxygen	SVM-12-22	9.2	0.20	% by Volum e	2	08/19/21	08/19/21	ASTM D1946M
Carbon Dioxide	SVM-12-22	9.5	0.20	% by Volum e	2	08/19/21	08/19/21	ASTM D1946M
Oxygen	SVM-11-7	24	0.20	% by Volum e	2	08/19/21	08/19/21	ASTM D1946M
Oxygen	SVM-11-15	21	0.20	% by Volum e	2	08/19/21	08/19/21	ASTM D1946M
Oxygen	SVM-11-22	9.2	0.20	% by Volum e	2	08/20/21	08/20/21	ASTM D1946M
Carbon Dioxide	SVM-11-22	5.5	0.20	% by Volum e	2	08/20/21	08/20/21	ASTM D1946M

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Oxygen	SVM-13-7	20	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Oxygen	SVM-13-7 DUP	20	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Carbon Dioxide	SVM-13-7 DUP	2.5	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Oxygen	SVM-13-15	21	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Oxygen	SVM-13-22	16	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Carbon Dioxide	SVM-13-22	2.3	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Oxygen	SVM-14R-8	23	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Oxygen	SVM-14R-16	17	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Carbon Dioxide	SVM-14R-16	2.8	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Oxygen	SVM-14R-22	12	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Carbon Dioxide	SVM-14R-22	3.2	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Oxygen	SVM-1-5	22	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Oxygen	SVM-1-15	20	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Oxygen	SVM-2-5	20	0.20	% by Volume	2	08/20/21	08/20/21	ASTM D1946M
Methane	SVM-3-5	0.31	0.20	% by Volume	2	08/23/21	08/23/21	ASTM D1946M
Oxygen	SVM-3-5	22	0.20	% by Volume	2	08/23/21	08/23/21	ASTM D1946M
Oxygen	SVM-3-15	21	0.20	% by Volume	2	08/23/21	08/23/21	ASTM D1946M
Oxygen	SVM-8-5	22	0.20	% by Volume	2	08/23/21	08/23/21	ASTM D1946M
Oxygen	SVM-8-15	21	0.20	% by Volume	2	08/23/21	08/23/21	ASTM D1946M
Oxygen	SVM-5-5	21	0.20	% by Volume	2	08/23/21	08/23/21	ASTM D1946M
Oxygen	SVM-5-15	22	0.20	% by Volume	2	08/23/21	08/23/21	ASTM D1946M
Oxygen	SVM-16-7	22	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Oxygen	SVM-16-16	21	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M
Oxygen	SVM-16-22	19	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M
Oxygen	SVM-16-22 DUP	18	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M
Oxygen	SVM-15-7	21	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M
Oxygen	SVM-15-15	21	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M
Oxygen	SVM-15-22	22	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M
Oxygen	SVM-6-5	22	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M
Oxygen	SVM-6-15	19	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M
Oxygen	SVM-7-7	21	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M
Oxygen	SVM-7-13	21	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M
Oxygen	SVM-10-15	10	0.20	% by Volume	2	08/24/21	08/24/21	ASTM D1946M

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
VOCs by EPA TO-3								
Gasoline Range Organics (GRO)	SVM-2-5	0.81	0.50	ug/L	1	08/18/21	08/18/21	TO-3
Gasoline Range Organics (GRO)	SVM-16-22	1.7	0.50	ug/L	1	08/19/21	08/19/21	TO-3
Gasoline Range Organics (GRO)	SVM-16-22 DUP	1.8	0.50	ug/L	1	08/19/21	08/19/21	TO-3
VOCs by GCMS EPA TO-15 (Mid Level)								
Isopropanol (IPA)	SVM-12-7	0.41 E	0.20	ug/L	1	08/17/21	08/18/21	TO-15
Tetrachloroethylene (PCE)	SVM-12-22	0.014	0.010	ug/L	1	08/17/21	08/18/21	TO-15
Tetrachloroethylene (PCE)	SVM-11-22	0.023	0.010	ug/L	1	08/17/21	08/18/21	TO-15
Chloroform	SVM-14R-16	0.025	0.020	ug/L	1	08/18/21	08/19/21	TO-15
Acetone	AMBIENT AIR	0.023	0.020	ug/L	1	08/18/21	08/19/21	TO-15
Acetone	SVM-2-5	0.027	0.020	ug/L	1	08/18/21	08/18/21	TO-15
Isopropanol (IPA)	SVM-2-5	1.2 E	0.20	ug/L	1	08/18/21	08/18/21	TO-15
Bromodichloromethane	SVM-3-5	0.032	0.020	ug/L	1	08/18/21	08/18/21	TO-15
Chloroform	SVM-3-5	0.050	0.020	ug/L	1	08/18/21	08/18/21	TO-15
Bromodichloromethane	SVM-3-15	0.039	0.020	ug/L	1	08/18/21	08/18/21	TO-15
Chloroform	SVM-3-15	0.086	0.020	ug/L	1	08/18/21	08/18/21	TO-15
1,2,4-Trimethylbenzene	SVM-5-5	0.021	0.020	ug/L	1	08/19/21	08/19/21	TO-15
m,p-Xylenes	SVM-5-5	0.024	0.020	ug/L	1	08/19/21	08/19/21	TO-15
Acetone	SVM-16-7	0.026	0.020	ug/L	1	08/19/21	08/19/21	TO-15
m,p-Xylenes	SVM-16-22	0.020	0.020	ug/L	1	08/19/21	08/19/21	TO-15
m,p-Xylenes	SVM-16-22 DUP	0.020	0.020	ug/L	1	08/19/21	08/19/21	TO-15
Methylene Chloride	SVM-15-15	0.045	0.020	ug/L	1	08/19/21	08/19/21	TO-15
Acetone	Ambient Air	0.030	0.020	ug/L	1	08/19/21	08/20/21	TO-15
Ethanol	Ambient Air	0.022	0.020	ug/L	1	08/19/21	08/20/21	TO-15

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: VOCs by EPA TO-3

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/17/21	08/17/21	08/17/21	08/17/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21	
AA ID No:	1H10015-01	1H10015-02	1H10015-03	1H10015-04	
Client ID No:	SVM-12-7	SVM-12-15	SVM-12-22	SVM-11-7	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-3 (TO-3)

Gasoline Range Organics (GRO)	<0.50	<0.50	<0.50	<0.50	0.50
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Surrogates

4-Bromofluorobenzene	104%	106%	109%	103%	<u>%REC Limits</u> 70-130
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Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: VOCs by EPA TO-3

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/17/21	08/17/21	08/18/21	08/18/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21	
AA ID No:	1H10015-05	1H10015-06	1H10015-07	1H10015-08	
Client ID No:	SVM-11-15	SVM-11-22	SVM-13-7	SVM-13-7 DUP	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-3 (TO-3)

Gasoline Range Organics (GRO)	<0.50	<0.50	<0.50	<0.50	0.50
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Surrogates

4-Bromofluorobenzene	102%	104%	107%	102%	<u>%REC Limits</u> 70-130
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Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: VOCs by EPA TO-3

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/19/21	
AA ID No:	1H10015-09	1H10015-10	1H10015-11	1H10015-12	
Client ID No:	SVM-13-15	SVM-13-22	SVM-14R-8	SVM-14R-16	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-3 (TO-3)

Gasoline Range Organics (GRO)	<0.50	<0.50	<0.50	<0.50	0.50
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Surrogates

4-Bromofluorobenzene	102%	105%	101%	103%	<u>%REC Limits</u> 70-130
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Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: VOCs by EPA TO-3

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21	
Date Analyzed:	08/19/21	08/19/21	08/19/21	08/19/21	
AA ID No:	1H10015-13	1H10015-14	1H10015-15	1H10015-16	
Client ID No:	SVM-14R-22	AMBIENT AIR	SVM-1-5	SVM-1-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-3 (TO-3)

Gasoline Range Organics (GRO)	<0.50	<0.50	<0.50	<0.50	0.50
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Surrogates

4-Bromofluorobenzene	101%	101%	101%	104%	%REC Limits 70-130
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Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: VOCs by EPA TO-3

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: ug/L

Date Sampled:	08/10/2021	08/11/2021	08/11/2021	08/11/2021	
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21	
AA ID No:	1H10015-17	1H10015-18	1H10015-19	1H10015-20	
Client ID No:	SVM-2-5	SVM-3-5	SVM-3-15	SVM-8-5	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-3 (TO-3)

Gasoline Range Organics (GRO)	0.81	<0.50	<0.50	<0.50	0.50
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Surrogates

4-Bromofluorobenzene	113%	116%	109%	114%	%REC Limits 70-130
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Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: VOCs by EPA TO-3

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/18/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/18/21	08/19/21	08/19/21	08/19/21	
AA ID No:	1H10015-21	1H10015-22	1H10015-23	1H10015-24	
Client ID No:	SVM-8-15	SVM-5-5	SVM-5-15	SVM-16-7	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-3 (TO-3)

Gasoline Range Organics (GRO)	<0.50	<0.50	<0.50	<0.50	0.50
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Surrogates

4-Bromofluorobenzene	107%	104%	97%	99%	%REC Limits 70-130
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Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: VOCs by EPA TO-3

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/19/21	08/19/21	08/19/21	08/19/21	
AA ID No:	1H10015-25	1H10015-26	1H10015-27	1H10015-28	
Client ID No:	SVM-16-16	SVM-16-22	SVM-16-22 DUP	SVM-15-7	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-3 (TO-3)

Gasoline Range Organics (GRO)	<0.50	1.7	1.8	<0.50	0.50
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Surrogates

4-Bromofluorobenzene	101%	110%	109%	108%	<u>%REC Limits</u> 70-130
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Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: VOCs by EPA TO-3

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/19/21	08/19/21	08/20/21	08/20/21	
AA ID No:	1H10015-29	1H10015-30	1H10015-31	1H10015-32	
Client ID No:	SVM-15-15	SVM-15-22	Ambient Air	SVM-6-5	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-3 (TO-3)

Gasoline Range Organics (GRO)	<0.50	<0.50	<0.50	<0.50	0.50
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Surrogates

4-Bromofluorobenzene	104%	105%	102%	104%	<u>%REC Limits</u> 70-130
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Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: VOCs by EPA TO-3

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/20/21	08/20/21	08/20/21	08/20/21	
AA ID No:	1H10015-33	1H10015-34	1H10015-35	1H10015-36	
Client ID No:	SVM-6-15	SVM-7-7	SVM-7-13	SVM-10-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-3 (TO-3)

Gasoline Range Organics (GRO)	<0.50	<0.50	<0.50	<0.50	0.50
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Surrogates

4-Bromofluorobenzene	99%	102%	102%	101%	%REC Limits 70-130
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Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/17/21	08/17/21	08/17/21	08/17/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21	
AA ID No:	1H10015-01	1H10015-02	1H10015-03	1H10015-04	
Client ID No:	SVM-12-7	SVM-12-15	SVM-12-22	SVM-11-7	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15)

Acetone	<0.020	<0.020	<0.020	<0.020	0.020
Allyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
tert-Amyl-Methyl Ether (TAME)	<0.020	<0.020	<0.020	<0.020	0.020
Benzene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Benzyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
Bromodichloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Bromoform	<0.020	<0.020	<0.020	<0.020	0.020
Bromomethane	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Butadiene	<0.020	<0.020	<0.020	<0.020	0.020
2-Butanone (MEK)	<0.020	<0.020	<0.020	<0.020	0.020
tert-Butyl Alcohol (TBA)	<2.0	<2.0	<2.0	<2.0	2.0
Carbon Disulfide	<0.020	<0.020	<0.020	<0.020	0.020
Carbon Tetrachloride	<0.020	<0.020	<0.020	<0.020	0.020
Chlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Chloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Chloroform	<0.020	<0.020	<0.020	<0.020	0.020
Chloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Cyclohexane	<0.020	<0.020	<0.020	<0.020	0.020
Dibromochloromethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dibromoethane (EDB)	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorodifluoromethane (R12)	<0.020	<0.020	<0.020	<0.020	0.020
1,1-Dichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloroethane (EDC)	<0.0040	<0.0040	<0.0040	<0.0040	0.0040
cis-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21
Date Prepared:	08/17/21	08/17/21	08/17/21	08/17/21
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21
AA ID No:	1H10015-01	1H10015-02	1H10015-03	1H10015-04
Client ID No:	SVM-12-7	SVM-12-15	SVM-12-22	SVM-11-7
Matrix:	Vapor	Vapor	Vapor	Vapor
Dilution Factor:	1	1	1	1

MRL

TO-15 (Mid Level) (TO-15) (continued)

1,1-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
cis-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorotetrafluoroethane	<0.020	<0.020	<0.020	<0.020	0.020
Diisopropyl ether (DIPE)	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dioxane	<0.020	<0.020	<0.020	<0.020	0.020
Ethanol	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl Acetate	<0.020	<0.020	<0.020	<0.020	0.020
Ethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl-tert-Butyl Ether (ETBE)	<0.020	<0.020	<0.020	<0.020	0.020
4-Ethyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
Heptane	<0.020	<0.020	<0.020	<0.020	0.020
Hexachlorobutadiene	<0.020	<0.020	<0.020	<0.020	0.020
n-Hexane	<0.020	<0.020	<0.020	<0.020	0.020
2-Hexanone (MBK)	<0.020	<0.020	<0.020	<0.020	0.020
Isopropanol (IPA)	0.41 [1]	<0.20	<0.20	<0.20	0.20
Methyl-tert-Butyl Ether (MTBE)	<0.020	<0.020	<0.020	<0.020	0.020
Methylene Chloride	<0.020	<0.020	<0.020	<0.020	0.020
4-Methyl-2-pentanone (MIBK)	<0.020	<0.020	<0.020	<0.020	0.020
Naphthalene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Propylene	<0.020	<0.020	<0.020	<0.020	0.020
Styrene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2,2-Tetrachloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Tetrachloroethylene (PCE)	<0.010	<0.010	0.014	<0.010	0.010
Tetrahydrofuran (THF)	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21
Date Prepared:	08/17/21	08/17/21	08/17/21	08/17/21
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21
AA ID No:	1H10015-01	1H10015-02	1H10015-03	1H10015-04
Client ID No:	SVM-12-7	SVM-12-15	SVM-12-22	SVM-11-7
Matrix:	Vapor	Vapor	Vapor	Vapor
Dilution Factor:	1	1	1	1

MRL

TO-15 (Mid Level) (TO-15) (continued)

Toluene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,1,1-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Trichloroethylene (TCE)	<0.020	<0.020	<0.020	<0.020	0.020
Trichlorofluoromethane (R11)	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	<0.020	<0.020	<0.020	0.020
1,3,5-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
2,2,4-Trimethylpentane	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl acetate	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl bromide	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
o-Xylene	<0.020	<0.020	<0.020	<0.020	0.020
m,p-Xylenes	<0.020	<0.020	<0.020	<0.020	0.020
1,2,3-Trichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Isopropylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
n-Propylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
4-Isopropyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
n-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020

Surrogates

4-Bromofluorobenzene	120%	122%	125%	118%	<u>%REC Limits</u> 70-130
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Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/17/21	08/17/21	08/18/21	08/18/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21	
AA ID No:	1H10015-05	1H10015-06	1H10015-07	1H10015-08	
Client ID No:	SVM-11-15	SVM-11-22	SVM-13-7	SVM-13-7 DUP	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15)

Acetone	<0.020	<0.020	<0.020	<0.020	0.020
Allyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
tert-Amyl-Methyl Ether (TAME)	<0.020	<0.020	<0.020	<0.020	0.020
Benzene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Benzyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
Bromodichloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Bromoform	<0.020	<0.020	<0.020	<0.020	0.020
Bromomethane	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Butadiene	<0.020	<0.020	<0.020	<0.020	0.020
2-Butanone (MEK)	<0.020	<0.020	<0.020	<0.020	0.020
tert-Butyl Alcohol (TBA)	<2.0	<2.0	<2.0	<2.0	2.0
Carbon Disulfide	<0.020	<0.020	<0.020	<0.020	0.020
Carbon Tetrachloride	<0.020	<0.020	<0.020	<0.020	0.020
Chlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Chloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Chloroform	<0.020	<0.020	<0.020	<0.020	0.020
Chloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Cyclohexane	<0.020	<0.020	<0.020	<0.020	0.020
Dibromochloromethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dibromoethane (EDB)	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorodifluoromethane (R12)	<0.020	<0.020	<0.020	<0.020	0.020
1,1-Dichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloroethane (EDC)	<0.0040	<0.0040	<0.0040	<0.0040	0.0040
cis-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/17/21	08/17/21	08/18/21	08/18/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21	
AA ID No:	1H10015-05	1H10015-06	1H10015-07	1H10015-08	
Client ID No:	SVM-11-15	SVM-11-22	SVM-13-7	SVM-13-7 DUP	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

1,1-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
cis-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorotetrafluoroethane	<0.020	<0.020	<0.020	<0.020	0.020
Diisopropyl ether (DIPE)	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dioxane	<0.020	<0.020	<0.020	<0.020	0.020
Ethanol	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl Acetate	<0.020	<0.020	<0.020	<0.020	0.020
Ethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl-tert-Butyl Ether (ETBE)	<0.020	<0.020	<0.020	<0.020	0.020
4-Ethyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
Heptane	<0.020	<0.020	<0.020	<0.020	0.020
Hexachlorobutadiene	<0.020	<0.020	<0.020	<0.020	0.020
n-Hexane	<0.020	<0.020	<0.020	<0.020	0.020
2-Hexanone (MBK)	<0.020	<0.020	<0.020	<0.020	0.020
Isopropanol (IPA)	<0.20	<0.20	<0.20	<0.20	0.20
Methyl-tert-Butyl Ether (MTBE)	<0.020	<0.020	<0.020	<0.020	0.020
Methylene Chloride	<0.020	<0.020	<0.020	<0.020	0.020
4-Methyl-2-pentanone (MIBK)	<0.020	<0.020	<0.020	<0.020	0.020
Naphthalene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Propylene	<0.020	<0.020	<0.020	<0.020	0.020
Styrene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2,2-Tetrachloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Tetrachloroethylene (PCE)	<0.010	0.023	<0.010	<0.010	0.010
Tetrahydrofuran (THF)	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/17/21	08/17/21	08/18/21	08/18/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21	
AA ID No:	1H10015-05	1H10015-06	1H10015-07	1H10015-08	
Client ID No:	SVM-11-15	SVM-11-22	SVM-13-7	SVM-13-7 DUP	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

Toluene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,1,1-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Trichloroethylene (TCE)	<0.020	<0.020	<0.020	<0.020	0.020
Trichlorofluoromethane (R11)	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	<0.020	<0.020	<0.020	0.020
1,3,5-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
2,2,4-Trimethylpentane	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl acetate	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl bromide	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
o-Xylene	<0.020	<0.020	<0.020	<0.020	0.020
m,p-Xylenes	<0.020	<0.020	<0.020	<0.020	0.020
1,2,3-Trichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Isopropylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
n-Propylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
4-Isopropyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
n-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	118%	120%	124%	118%	70-130

Allen Aminian

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/19/21
AA ID No:	1H10015-09	1H10015-10	1H10015-11	1H10015-12
Client ID No:	SVM-13-15	SVM-13-22	SVM-14R-8	SVM-14R-16
Matrix:	Vapor	Vapor	Vapor	Vapor
Dilution Factor:	1	1	1	1

MRL

TO-15 (Mid Level) (TO-15)

Acetone	<0.020	<0.020	<0.020	<0.020	0.020
Allyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
tert-Amyl-Methyl Ether (TAME)	<0.020	<0.020	<0.020	<0.020	0.020
Benzene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Benzyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
Bromodichloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Bromoform	<0.020	<0.020	<0.020	<0.020	0.020
Bromomethane	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Butadiene	<0.020	<0.020	<0.020	<0.020	0.020
2-Butanone (MEK)	<0.020	<0.020	<0.020	<0.020	0.020
tert-Butyl Alcohol (TBA)	<2.0	<2.0	<2.0	<2.0	2.0
Carbon Disulfide	<0.020	<0.020	<0.020	<0.020	0.020
Carbon Tetrachloride	<0.020	<0.020	<0.020	<0.020	0.020
Chlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Chloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Chloroform	<0.020	<0.020	<0.020	0.025	0.020
Chloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Cyclohexane	<0.020	<0.020	<0.020	<0.020	0.020
Dibromochloromethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dibromoethane (EDB)	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorodifluoromethane (R12)	<0.020	<0.020	<0.020	<0.020	0.020
1,1-Dichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloroethane (EDC)	<0.0040	<0.0040	<0.0040	<0.0040	0.0040
cis-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/19/21
AA ID No:	1H10015-09	1H10015-10	1H10015-11	1H10015-12
Client ID No:	SVM-13-15	SVM-13-22	SVM-14R-8	SVM-14R-16
Matrix:	Vapor	Vapor	Vapor	Vapor
Dilution Factor:	1	1	1	1

MRL

TO-15 (Mid Level) (TO-15) (continued)

1,1-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
cis-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorotetrafluoroethane	<0.020	<0.020	<0.020	<0.020	0.020
Diisopropyl ether (DIPE)	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dioxane	<0.020	<0.020	<0.020	<0.020	0.020
Ethanol	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl Acetate	<0.020	<0.020	<0.020	<0.020	0.020
Ethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl-tert-Butyl Ether (ETBE)	<0.020	<0.020	<0.020	<0.020	0.020
4-Ethyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
Heptane	<0.020	<0.020	<0.020	<0.020	0.020
Hexachlorobutadiene	<0.020	<0.020	<0.020	<0.020	0.020
n-Hexane	<0.020	<0.020	<0.020	<0.020	0.020
2-Hexanone (MBK)	<0.020	<0.020	<0.020	<0.020	0.020
Isopropanol (IPA)	<0.20	<0.20	<0.20	<0.20	0.20
Methyl-tert-Butyl Ether (MTBE)	<0.020	<0.020	<0.020	<0.020	0.020
Methylene Chloride	<0.020	<0.020	<0.020	<0.020	0.020
4-Methyl-2-pentanone (MIBK)	<0.020	<0.020	<0.020	<0.020	0.020
Naphthalene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Propylene	<0.020	<0.020	<0.020	<0.020	0.020
Styrene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2,2-Tetrachloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Tetrachloroethylene (PCE)	<0.010	<0.010	<0.010	<0.010	0.010
Tetrahydrofuran (THF)	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/19/21	
AA ID No:	1H10015-09	1H10015-10	1H10015-11	1H10015-12	
Client ID No:	SVM-13-15	SVM-13-22	SVM-14R-8	SVM-14R-16	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

Toluene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,1,1-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Trichloroethylene (TCE)	<0.020	<0.020	<0.020	<0.020	0.020
Trichlorofluoromethane (R11)	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	<0.020	<0.020	<0.020	0.020
1,3,5-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
2,2,4-Trimethylpentane	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl acetate	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl bromide	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
o-Xylene	<0.020	<0.020	<0.020	<0.020	0.020
m,p-Xylenes	<0.020	<0.020	<0.020	<0.020	0.020
1,2,3-Trichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Isopropylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
n-Propylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
4-Isopropyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
n-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	116%	121%	116%	118%	70-130

Allen Aminian

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21
Date Analyzed:	08/19/21	08/19/21	08/19/21	08/19/21
AA ID No:	1H10015-13	1H10015-14	1H10015-15	1H10015-16
Client ID No:	SVM-14R-22	AMBIENT AIR	SVM-1-5	SVM-1-15
Matrix:	Vapor	Vapor	Vapor	Vapor
Dilution Factor:	1	1	1	1

MRL

TO-15 (Mid Level) (TO-15)

Acetone	<0.020	0.023	<0.020	<0.020	0.020
Allyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
tert-Amyl-Methyl Ether (TAME)	<0.020	<0.020	<0.020	<0.020	0.020
Benzene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Benzyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
Bromodichloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Bromoform	<0.020	<0.020	<0.020	<0.020	0.020
Bromomethane	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Butadiene	<0.020	<0.020	<0.020	<0.020	0.020
2-Butanone (MEK)	<0.020	<0.020	<0.020	<0.020	0.020
tert-Butyl Alcohol (TBA)	<2.0	<2.0	<2.0	<2.0	2.0
Carbon Disulfide	<0.020	<0.020	<0.020	<0.020	0.020
Carbon Tetrachloride	<0.020	<0.020	<0.020	<0.020	0.020
Chlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Chloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Chloroform	<0.020	<0.020	<0.020	<0.020	0.020
Chloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Cyclohexane	<0.020	<0.020	<0.020	<0.020	0.020
Dibromochloromethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dibromoethane (EDB)	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorodifluoromethane (R12)	<0.020	<0.020	<0.020	<0.020	0.020
1,1-Dichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloroethane (EDC)	<0.0040	<0.0040	<0.0040	<0.0040	0.0040
cis-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21
Date Analyzed:	08/19/21	08/19/21	08/19/21	08/19/21
AA ID No:	1H10015-13	1H10015-14	1H10015-15	1H10015-16
Client ID No:	SVM-14R-22	AMBIENT AIR	SVM-1-5	SVM-1-15
Matrix:	Vapor	Vapor	Vapor	Vapor
Dilution Factor:	1	1	1	1

MRL

TO-15 (Mid Level) (TO-15) (continued)

1,1-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
cis-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorotetrafluoroethane	<0.020	<0.020	<0.020	<0.020	0.020
Diisopropyl ether (DIPE)	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dioxane	<0.020	<0.020	<0.020	<0.020	0.020
Ethanol	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl Acetate	<0.020	<0.020	<0.020	<0.020	0.020
Ethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl-tert-Butyl Ether (ETBE)	<0.020	<0.020	<0.020	<0.020	0.020
4-Ethyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
Heptane	<0.020	<0.020	<0.020	<0.020	0.020
Hexachlorobutadiene	<0.020	<0.020	<0.020	<0.020	0.020
n-Hexane	<0.020	<0.020	<0.020	<0.020	0.020
2-Hexanone (MBK)	<0.020	<0.020	<0.020	<0.020	0.020
Isopropanol (IPA)	<0.20	<0.20	<0.20	<0.20	0.20
Methyl-tert-Butyl Ether (MTBE)	<0.020	<0.020	<0.020	<0.020	0.020
Methylene Chloride	<0.020	<0.020	<0.020	<0.020	0.020
4-Methyl-2-pentanone (MIBK)	<0.020	<0.020	<0.020	<0.020	0.020
Naphthalene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Propylene	<0.020	<0.020	<0.020	<0.020	0.020
Styrene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2,2-Tetrachloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Tetrachloroethylene (PCE)	<0.010	<0.010	<0.010	<0.010	0.010
Tetrahydrofuran (THF)	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21	
Date Analyzed:	08/19/21	08/19/21	08/19/21	08/19/21	
AA ID No:	1H10015-13	1H10015-14	1H10015-15	1H10015-16	
Client ID No:	SVM-14R-22	AMBIENT AIR	SVM-1-5	SVM-1-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

Toluene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,1,1-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Trichloroethylene (TCE)	<0.020	<0.020	<0.020	<0.020	0.020
Trichlorofluoromethane (R11)	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	<0.020	<0.020	<0.020	0.020
1,3,5-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
2,2,4-Trimethylpentane	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl acetate	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl bromide	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
o-Xylene	<0.020	<0.020	<0.020	<0.020	0.020
m,p-Xylenes	<0.020	<0.020	<0.020	<0.020	0.020
1,2,3-Trichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Isopropylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
n-Propylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
4-Isopropyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
n-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020

Surrogates					%REC Limits
4-Bromofluorobenzene	116%	114%	116%	119%	70-130

Allen Aminian

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/2021	08/11/2021	08/11/2021	08/11/2021	
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21	
AA ID No:	1H10015-17	1H10015-18	1H10015-19	1H10015-20	
Client ID No:	SVM-2-5	SVM-3-5	SVM-3-15	SVM-8-5	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15)

Acetone	0.027	<0.020	<0.020	<0.020	0.020
Allyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
tert-Amyl-Methyl Ether (TAME)	<0.020	<0.020	<0.020	<0.020	0.020
Benzene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Benzyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
Bromodichloromethane	<0.020	0.032	0.039	<0.020	0.020
Bromoform	<0.020	<0.020	<0.020	<0.020	0.020
Bromomethane	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Butadiene	<0.020	<0.020	<0.020	<0.020	0.020
2-Butanone (MEK)	<0.020	<0.020	<0.020	<0.020	0.020
tert-Butyl Alcohol (TBA)	<2.0	<2.0	<2.0	<2.0	2.0
Carbon Disulfide	<0.020	<0.020	<0.020	<0.020	0.020
Carbon Tetrachloride	<0.020	<0.020	<0.020	<0.020	0.020
Chlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Chloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Chloroform	<0.020	0.050	0.086	<0.020	0.020
Chloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Cyclohexane	<0.020	<0.020	<0.020	<0.020	0.020
Dibromochloromethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dibromoethane (EDB)	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorodifluoromethane (R12)	<0.020	<0.020	<0.020	<0.020	0.020
1,1-Dichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloroethane (EDC)	<0.0040	<0.0040	<0.0040	<0.0040	0.0040
cis-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/2021	08/11/2021	08/11/2021	08/11/2021	
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21	
AA ID No:	1H10015-17	1H10015-18	1H10015-19	1H10015-20	
Client ID No:	SVM-2-5	SVM-3-5	SVM-3-15	SVM-8-5	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

1,1-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
cis-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorotetrafluoroethane	<0.020	<0.020	<0.020	<0.020	0.020
Diisopropyl ether (DIPE)	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dioxane	<0.020	<0.020	<0.020	<0.020	0.020
Ethanol	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl Acetate	<0.020	<0.020	<0.020	<0.020	0.020
Ethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl-tert-Butyl Ether (ETBE)	<0.020	<0.020	<0.020	<0.020	0.020
4-Ethyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
Heptane	<0.020	<0.020	<0.020	<0.020	0.020
Hexachlorobutadiene	<0.020	<0.020	<0.020	<0.020	0.020
n-Hexane	<0.020	<0.020	<0.020	<0.020	0.020
2-Hexanone (MBK)	<0.020	<0.020	<0.020	<0.020	0.020
Isopropanol (IPA)	1.2 [1]	<0.20	<0.20	<0.20	0.20
Methyl-tert-Butyl Ether (MTBE)	<0.020	<0.020	<0.020	<0.020	0.020
Methylene Chloride	<0.020	<0.020	<0.020	<0.020	0.020
4-Methyl-2-pentanone (MIBK)	<0.020	<0.020	<0.020	<0.020	0.020
Naphthalene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Propylene	<0.020	<0.020	<0.020	<0.020	0.020
Styrene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2,2-Tetrachloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Tetrachloroethylene (PCE)	<0.010	<0.010	<0.010	<0.010	0.010
Tetrahydrofuran (THF)	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/10/2021	08/11/2021	08/11/2021	08/11/2021	
Date Prepared:	08/18/21	08/18/21	08/18/21	08/18/21	
Date Analyzed:	08/18/21	08/18/21	08/18/21	08/18/21	
AA ID No:	1H10015-17	1H10015-18	1H10015-19	1H10015-20	
Client ID No:	SVM-2-5	SVM-3-5	SVM-3-15	SVM-8-5	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

Toluene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,1,1-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Trichloroethylene (TCE)	<0.020	<0.020	<0.020	<0.020	0.020
Trichlorofluoromethane (R11)	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	<0.020	<0.020	<0.020	0.020
1,3,5-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
2,2,4-Trimethylpentane	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl acetate	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl bromide	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
o-Xylene	<0.020	<0.020	<0.020	<0.020	0.020
m,p-Xylenes	<0.020	<0.020	<0.020	<0.020	0.020
1,2,3-Trichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Isopropylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
n-Propylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
4-Isopropyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
n-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020

Surrogates

					<u>%REC Limits</u>
4-Bromofluorobenzene	103%	107%	101%	107%	70-130

Allen Aminian

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/18/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/18/21	08/19/21	08/19/21	08/19/21	
AA ID No:	1H10015-21	1H10015-22	1H10015-23	1H10015-24	
Client ID No:	SVM-8-15	SVM-5-5	SVM-5-15	SVM-16-7	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15)

Acetone	<0.020	<0.020	<0.020	0.026	0.020
Allyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
tert-Amyl-Methyl Ether (TAME)	<0.020	<0.020	<0.020	<0.020	0.020
Benzene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Benzyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
Bromodichloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Bromoform	<0.020	<0.020	<0.020	<0.020	0.020
Bromomethane	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Butadiene	<0.020	<0.020	<0.020	<0.020	0.020
2-Butanone (MEK)	<0.020	<0.020	<0.020	<0.020	0.020
tert-Butyl Alcohol (TBA)	<2.0	<2.0	<2.0	<2.0	2.0
Carbon Disulfide	<0.020	<0.020	<0.020	<0.020	0.020
Carbon Tetrachloride	<0.020	<0.020	<0.020	<0.020	0.020
Chlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Chloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Chloroform	<0.020	<0.020	<0.020	<0.020	0.020
Chloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Cyclohexane	<0.020	<0.020	<0.020	<0.020	0.020
Dibromochloromethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dibromoethane (EDB)	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorodifluoromethane (R12)	<0.020	<0.020	<0.020	<0.020	0.020
1,1-Dichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloroethane (EDC)	<0.0040	<0.0040	<0.0040	<0.0040	0.0040
cis-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/18/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/18/21	08/19/21	08/19/21	08/19/21	
AA ID No:	1H10015-21	1H10015-22	1H10015-23	1H10015-24	
Client ID No:	SVM-8-15	SVM-5-5	SVM-5-15	SVM-16-7	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

1,1-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
cis-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorotetrafluoroethane	<0.020	<0.020	<0.020	<0.020	0.020
Diisopropyl ether (DIPE)	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dioxane	<0.020	<0.020	<0.020	<0.020	0.020
Ethanol	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl Acetate	<0.020	<0.020	<0.020	<0.020	0.020
Ethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl-tert-Butyl Ether (ETBE)	<0.020	<0.020	<0.020	<0.020	0.020
4-Ethyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
Heptane	<0.020	<0.020	<0.020	<0.020	0.020
Hexachlorobutadiene	<0.020	<0.020	<0.020	<0.020	0.020
n-Hexane	<0.020	<0.020	<0.020	<0.020	0.020
2-Hexanone (MBK)	<0.020	<0.020	<0.020	<0.020	0.020
Isopropanol (IPA)	<0.20	<0.20	<0.20	<0.20	0.20
Methyl-tert-Butyl Ether (MTBE)	<0.020	<0.020	<0.020	<0.020	0.020
Methylene Chloride	<0.020	<0.020	<0.020	<0.020	0.020
4-Methyl-2-pentanone (MIBK)	<0.020	<0.020	<0.020	<0.020	0.020
Naphthalene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Propylene	<0.020	<0.020	<0.020	<0.020	0.020
Styrene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2,2-Tetrachloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Tetrachloroethylene (PCE)	<0.010	<0.010	<0.010	<0.010	0.010
Tetrahydrofuran (THF)	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/18/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/18/21	08/19/21	08/19/21	08/19/21	
AA ID No:	1H10015-21	1H10015-22	1H10015-23	1H10015-24	
Client ID No:	SVM-8-15	SVM-5-5	SVM-5-15	SVM-16-7	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

Toluene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,1,1-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Trichloroethylene (TCE)	<0.020	<0.020	<0.020	<0.020	0.020
Trichlorofluoromethane (R11)	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	<0.020	<0.020	<0.020	0.020
1,3,5-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trimethylbenzene	<0.020	0.021	<0.020	<0.020	0.020
2,2,4-Trimethylpentane	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl acetate	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl bromide	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
o-Xylene	<0.020	<0.020	<0.020	<0.020	0.020
m,p-Xylenes	<0.020	0.024	<0.020	<0.020	0.020
1,2,3-Trichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Isopropylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
n-Propylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
4-Isopropyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
n-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020

Surrogates					%REC Limits
4-Bromofluorobenzene	100%	120%	112%	114%	70-130

Allen Aminian

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/19/21	08/19/21	08/19/21	08/19/21	
AA ID No:	1H10015-25	1H10015-26	1H10015-27	1H10015-28	
Client ID No:	SVM-16-16	SVM-16-22	SVM-16-22 DUP	SVM-15-7	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15)

Acetone	<0.020	<0.020	<0.020	<0.020	0.020
Allyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
tert-Amyl-Methyl Ether (TAME)	<0.020	<0.020	<0.020	<0.020	0.020
Benzene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Benzyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
Bromodichloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Bromoform	<0.020	<0.020	<0.020	<0.020	0.020
Bromomethane	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Butadiene	<0.020	<0.020	<0.020	<0.020	0.020
2-Butanone (MEK)	<0.020	<0.020	<0.020	<0.020	0.020
tert-Butyl Alcohol (TBA)	<2.0	<2.0	<2.0	<2.0	2.0
Carbon Disulfide	<0.020	<0.020	<0.020	<0.020	0.020
Carbon Tetrachloride	<0.020	<0.020	<0.020	<0.020	0.020
Chlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Chloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Chloroform	<0.020	<0.020	<0.020	<0.020	0.020
Chloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Cyclohexane	<0.020	<0.020	<0.020	<0.020	0.020
Dibromochloromethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dibromoethane (EDB)	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorodifluoromethane (R12)	<0.020	<0.020	<0.020	<0.020	0.020
1,1-Dichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloroethane (EDC)	<0.0040	<0.0040	<0.0040	<0.0040	0.0040
cis-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21
Date Analyzed:	08/19/21	08/19/21	08/19/21	08/19/21
AA ID No:	1H10015-25	1H10015-26	1H10015-27	1H10015-28
Client ID No:	SVM-16-16	SVM-16-22	SVM-16-22 DUP	SVM-15-7
Matrix:	Vapor	Vapor	Vapor	Vapor
Dilution Factor:	1	1	1	1
				MRL

TO-15 (Mid Level) (TO-15) (continued)

1,1-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
cis-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorotetrafluoroethane	<0.020	<0.020	<0.020	<0.020	0.020
Diisopropyl ether (DIPE)	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dioxane	<0.020	<0.020	<0.020	<0.020	0.020
Ethanol	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl Acetate	<0.020	<0.020	<0.020	<0.020	0.020
Ethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl-tert-Butyl Ether (ETBE)	<0.020	<0.020	<0.020	<0.020	0.020
4-Ethyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
Heptane	<0.020	<0.020	<0.020	<0.020	0.020
Hexachlorobutadiene	<0.020	<0.020	<0.020	<0.020	0.020
n-Hexane	<0.020	<0.020	<0.020	<0.020	0.020
2-Hexanone (MBK)	<0.020	<0.020	<0.020	<0.020	0.020
Isopropanol (IPA)	<0.20	<0.20	<0.20	<0.20	0.20
Methyl-tert-Butyl Ether (MTBE)	<0.020	<0.020	<0.020	<0.020	0.020
Methylene Chloride	<0.020	<0.020	<0.020	<0.020	0.020
4-Methyl-2-pentanone (MIBK)	<0.020	<0.020	<0.020	<0.020	0.020
Naphthalene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Propylene	<0.020	<0.020	<0.020	<0.020	0.020
Styrene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2,2-Tetrachloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Tetrachloroethylene (PCE)	<0.010	<0.010	<0.010	<0.010	0.010
Tetrahydrofuran (THF)	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/19/21	08/19/21	08/19/21	08/19/21	
AA ID No:	1H10015-25	1H10015-26	1H10015-27	1H10015-28	
Client ID No:	SVM-16-16	SVM-16-22	SVM-16-22 DUP	SVM-15-7	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

Toluene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,1,1-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Trichloroethylene (TCE)	<0.020	<0.020	<0.020	<0.020	0.020
Trichlorofluoromethane (R11)	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	<0.020	<0.020	<0.020	0.020
1,3,5-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
2,2,4-Trimethylpentane	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl acetate	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl bromide	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
o-Xylene	<0.020	<0.020	<0.020	<0.020	0.020
m,p-Xylenes	<0.020	0.020	0.020	<0.020	0.020
1,2,3-Trichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Isopropylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
n-Propylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
4-Isopropyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
n-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020

Surrogates					%REC Limits
4-Bromofluorobenzene	115%	126%	124%	123%	70-130

Allen A

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21
Date Analyzed:	08/19/21	08/19/21	08/20/21	08/20/21
AA ID No:	1H10015-29	1H10015-30	1H10015-31	1H10015-32
Client ID No:	SVM-15-15	SVM-15-22	Ambient Air	SVM-6-5
Matrix:	Vapor	Vapor	Vapor	Vapor
Dilution Factor:	1	1	1	1

MRL

TO-15 (Mid Level) (TO-15)

Acetone	<0.020	<0.020	0.030	<0.020	0.020
Allyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
tert-Amyl-Methyl Ether (TAME)	<0.020	<0.020	<0.020	<0.020	0.020
Benzene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Benzyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
Bromodichloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Bromoform	<0.020	<0.020	<0.020	<0.020	0.020
Bromomethane	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Butadiene	<0.020	<0.020	<0.020	<0.020	0.020
2-Butanone (MEK)	<0.020	<0.020	<0.020	<0.020	0.020
tert-Butyl Alcohol (TBA)	<2.0	<2.0	<2.0	<2.0	2.0
Carbon Disulfide	<0.020	<0.020	<0.020	<0.020	0.020
Carbon Tetrachloride	<0.020	<0.020	<0.020	<0.020	0.020
Chlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Chloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Chloroform	<0.020	<0.020	<0.020	<0.020	0.020
Chloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Cyclohexane	<0.020	<0.020	<0.020	<0.020	0.020
Dibromochloromethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dibromoethane (EDB)	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorodifluoromethane (R12)	<0.020	<0.020	<0.020	<0.020	0.020
1,1-Dichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloroethane (EDC)	<0.0040	<0.0040	<0.0040	<0.0040	0.0040
cis-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21
Date Analyzed:	08/19/21	08/19/21	08/20/21	08/20/21
AA ID No:	1H10015-29	1H10015-30	1H10015-31	1H10015-32
Client ID No:	SVM-15-15	SVM-15-22	Ambient Air	SVM-6-5
Matrix:	Vapor	Vapor	Vapor	Vapor
Dilution Factor:	1	1	1	1

MRL

TO-15 (Mid Level) (TO-15) (continued)

1,1-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
cis-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorotetrafluoroethane	<0.020	<0.020	<0.020	<0.020	0.020
Diisopropyl ether (DIPE)	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dioxane	<0.020	<0.020	<0.020	<0.020	0.020
Ethanol	<0.020	<0.020	0.022	<0.020	0.020
Ethyl Acetate	<0.020	<0.020	<0.020	<0.020	0.020
Ethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl-tert-Butyl Ether (ETBE)	<0.020	<0.020	<0.020	<0.020	0.020
4-Ethyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
Heptane	<0.020	<0.020	<0.020	<0.020	0.020
Hexachlorobutadiene	<0.020	<0.020	<0.020	<0.020	0.020
n-Hexane	<0.020	<0.020	<0.020	<0.020	0.020
2-Hexanone (MBK)	<0.020	<0.020	<0.020	<0.020	0.020
Isopropanol (IPA)	<0.20	<0.20	<0.20	<0.20	0.20
Methyl-tert-Butyl Ether (MTBE)	<0.020	<0.020	<0.020	<0.020	0.020
Methylene Chloride	0.045	<0.020	<0.020	<0.020	0.020
4-Methyl-2-pentanone (MIBK)	<0.020	<0.020	<0.020	<0.020	0.020
Naphthalene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Propylene	<0.020	<0.020	<0.020	<0.020	0.020
Styrene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2,2-Tetrachloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Tetrachloroethylene (PCE)	<0.010	<0.010	<0.010	<0.010	0.010
Tetrahydrofuran (THF)	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/19/21	08/19/21	08/20/21	08/20/21	
AA ID No:	1H10015-29	1H10015-30	1H10015-31	1H10015-32	
Client ID No:	SVM-15-15	SVM-15-22	Ambient Air	SVM-6-5	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

Toluene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,1,1-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Trichloroethylene (TCE)	<0.020	<0.020	<0.020	<0.020	0.020
Trichlorofluoromethane (R11)	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	<0.020	<0.020	<0.020	0.020
1,3,5-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
2,2,4-Trimethylpentane	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl acetate	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl bromide	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
o-Xylene	<0.020	<0.020	<0.020	<0.020	0.020
m,p-Xylenes	<0.020	<0.020	<0.020	<0.020	0.020
1,2,3-Trichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Isopropylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
n-Propylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
4-Isopropyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
n-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	120%	119%	118%	119%	70-130

Allen Aminian

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: VOCs by GCMS EPA TO-15 (Mid Level)

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/20/21	08/20/21	08/20/21	08/20/21	
AA ID No:	1H10015-33	1H10015-34	1H10015-35	1H10015-36	
Client ID No:	SVM-6-15	SVM-7-7	SVM-7-13	SVM-10-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15)

Acetone	<0.020	<0.020	<0.020	<0.020	0.020
Allyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
tert-Amyl-Methyl Ether (TAME)	<0.020	<0.020	<0.020	<0.020	0.020
Benzene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Benzyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
Bromodichloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Bromoform	<0.020	<0.020	<0.020	<0.020	0.020
Bromomethane	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Butadiene	<0.020	<0.020	<0.020	<0.020	0.020
2-Butanone (MEK)	<0.020	<0.020	<0.020	<0.020	0.020
tert-Butyl Alcohol (TBA)	<2.0	<2.0	<2.0	<2.0	2.0
Carbon Disulfide	<0.020	<0.020	<0.020	<0.020	0.020
Carbon Tetrachloride	<0.020	<0.020	<0.020	<0.020	0.020
Chlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Chloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Chloroform	<0.020	<0.020	<0.020	<0.020	0.020
Chloromethane	<0.020	<0.020	<0.020	<0.020	0.020
Cyclohexane	<0.020	<0.020	<0.020	<0.020	0.020
Dibromochloromethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dibromoethane (EDB)	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,3-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorodifluoromethane (R12)	<0.020	<0.020	<0.020	<0.020	0.020
1,1-Dichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloroethane (EDC)	<0.0040	<0.0040	<0.0040	<0.0040	0.0040
cis-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/20/21	08/20/21	08/20/21	08/20/21	
AA ID No:	1H10015-33	1H10015-34	1H10015-35	1H10015-36	
Client ID No:	SVM-6-15	SVM-7-7	SVM-7-13	SVM-10-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

1,1-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,2-Dichloroethylene	<0.020	<0.020	<0.020	<0.020	0.020
1,2-Dichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
trans-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
cis-1,3-Dichloropropylene	<0.020	<0.020	<0.020	<0.020	0.020
Dichlorotetrafluoroethane	<0.020	<0.020	<0.020	<0.020	0.020
Diisopropyl ether (DIPE)	<0.020	<0.020	<0.020	<0.020	0.020
1,4-Dioxane	<0.020	<0.020	<0.020	<0.020	0.020
Ethanol	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl Acetate	<0.020	<0.020	<0.020	<0.020	0.020
Ethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Ethyl-tert-Butyl Ether (ETBE)	<0.020	<0.020	<0.020	<0.020	0.020
4-Ethyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
Heptane	<0.020	<0.020	<0.020	<0.020	0.020
Hexachlorobutadiene	<0.020	<0.020	<0.020	<0.020	0.020
n-Hexane	<0.020	<0.020	<0.020	<0.020	0.020
2-Hexanone (MBK)	<0.020	<0.020	<0.020	<0.020	0.020
Isopropanol (IPA)	<0.20	<0.20	<0.20	<0.20	0.20
Methyl-tert-Butyl Ether (MTBE)	<0.020	<0.020	<0.020	<0.020	0.020
Methylene Chloride	<0.020	<0.020	<0.020	<0.020	0.020
4-Methyl-2-pentanone (MIBK)	<0.020	<0.020	<0.020	<0.020	0.020
Naphthalene	<0.0030	<0.0030	<0.0030	<0.0030	0.0030
Propylene	<0.020	<0.020	<0.020	<0.020	0.020
Styrene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2,2-Tetrachloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Tetrachloroethylene (PCE)	<0.010	<0.010	<0.010	<0.010	0.010
Tetrahydrofuran (THF)	<0.020	<0.020	<0.020	<0.020	0.020

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	VOCs by GCMS EPA TO-15 (Mid Level)	Units:	ug/L

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/20/21	08/20/21	08/20/21	08/20/21	
AA ID No:	1H10015-33	1H10015-34	1H10015-35	1H10015-36	
Client ID No:	SVM-6-15	SVM-7-7	SVM-7-13	SVM-10-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL

TO-15 (Mid Level) (TO-15) (continued)

Toluene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trichlorobenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
1,1,1-Trichloroethane	<0.020	<0.020	<0.020	<0.020	0.020
Trichloroethylene (TCE)	<0.020	<0.020	<0.020	<0.020	0.020
Trichlorofluoromethane (R11)	<0.020	<0.020	<0.020	<0.020	0.020
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	<0.020	<0.020	<0.020	0.020
1,3,5-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
1,2,4-Trimethylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
2,2,4-Trimethylpentane	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl acetate	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl bromide	<0.020	<0.020	<0.020	<0.020	0.020
Vinyl chloride	<0.020	<0.020	<0.020	<0.020	0.020
o-Xylene	<0.020	<0.020	<0.020	<0.020	0.020
m,p-Xylenes	<0.020	<0.020	<0.020	<0.020	0.020
1,2,3-Trichloropropane	<0.020	<0.020	<0.020	<0.020	0.020
sec-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
Isopropylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
n-Propylbenzene	<0.020	<0.020	<0.020	<0.020	0.020
4-Isopropyltoluene	<0.020	<0.020	<0.020	<0.020	0.020
n-Butylbenzene	<0.020	<0.020	<0.020	<0.020	0.020

<u>Surrogates</u>					<u>%REC Limits</u>
4-Bromofluorobenzene	114%	115%	117%	117%	70-130

Allen Aminian

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: Fixed Gases by TCD

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: % by Volume

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/19/21	08/19/21	08/19/21	08/19/21	
Date Analyzed:	08/19/21	08/19/21	08/19/21	08/19/21	
AA ID No:	1H10015-01	1H10015-02	1H10015-03	1H10015-04	
Client ID No:	SVM-12-7	SVM-12-15	SVM-12-22	SVM-11-7	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	2	2	2	2	MRL

Fixed Gases (ASTM D1946M)

Methane	<0.20	0.66	<0.20	<0.20	0.10
Oxygen	21	18	9.2	24	0.10
Carbon Dioxide	<0.20	2.1	9.5	<0.20	0.10

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: Fixed Gases by TCD

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: % by Volume

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/19/21	08/20/21	08/20/21	08/20/21	
Date Analyzed:	08/19/21	08/20/21	08/20/21	08/20/21	
AA ID No:	1H10015-05	1H10015-06	1H10015-07	1H10015-08	
Client ID No:	SVM-11-15	SVM-11-22	SVM-13-7	SVM-13-7 DUP	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	2	2	2	2	MRL

Fixed Gases (ASTM D1946M)

Methane	<0.20	<0.20	<0.20	<0.20	0.10
Oxygen	21	9.2	20	20	0.10
Carbon Dioxide	<0.20	5.5	<0.20	2.5	0.10

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: Fixed Gases by TCD

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: % by Volume

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/20/21	08/20/21	08/20/21	08/20/21	
Date Analyzed:	08/20/21	08/20/21	08/20/21	08/20/21	
AA ID No:	1H10015-09	1H10015-10	1H10015-11	1H10015-12	
Client ID No:	SVM-13-15	SVM-13-22	SVM-14R-8	SVM-14R-16	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	2	2	2	2	MRL

Fixed Gases (ASTM D1946M)

Methane	<0.20	<0.20	<0.20	<0.20	0.10
Oxygen	21	16	23	17	0.10
Carbon Dioxide	<0.20	2.3	<0.20	2.8	0.10

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: Fixed Gases by TCD

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: % by Volume

Date Sampled:	08/10/21	08/10/21	08/10/21	08/10/21	
Date Prepared:	08/20/21	08/20/21	08/20/21	08/20/21	
Date Analyzed:	08/20/21	08/20/21	08/20/21	08/20/21	
AA ID No:	1H10015-13	1H10015-15	1H10015-16	1H10015-17	
Client ID No:	SVM-14R-22	SVM-1-5	SVM-1-15	SVM-2-5	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	2	2	2	2	MRL

Fixed Gases (ASTM D1946M)

Methane	<0.20	<0.20	<0.20	<0.20	0.10
Oxygen	12	22	20	20	0.10
Carbon Dioxide	3.2	<0.20	<0.20	<0.20	0.10

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: Fixed Gases by TCD

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: % by Volume

Date Sampled:	08/11/2021	08/11/2021	08/11/2021	08/11/2021	
Date Prepared:	08/23/21	08/23/21	08/23/21	08/23/21	
Date Analyzed:	08/23/21	08/23/21	08/23/21	08/23/21	
AA ID No:	1H10015-18	1H10015-19	1H10015-20	1H10015-21	
Client ID No:	SVM-3-5	SVM-3-15	SVM-8-5	SVM-8-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	2	2	2	2	MRL

Fixed Gases (ASTM D1946M)

Methane	0.31	<0.20	<0.20	<0.20	0.10
Oxygen	22	21	22	21	0.10
Carbon Dioxide	<0.20	<0.20	<0.20	<0.20	0.10

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client:	CH2M Hill, Inc.	AA Project No:	MB187340
Project No:	693142	Date Received:	08/10/21
Project Name:	KMEP Norwalk Biosparge Startup	Date Reported:	08/27/21
Method:	Fixed Gases by TCD	Units:	% by Volume

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/23/21	08/23/21	08/24/21	08/24/21	
Date Analyzed:	08/23/21	08/23/21	08/24/21	08/24/21	
AA ID No:	1H10015-22	1H10015-23	1H10015-24	1H10015-25	
Client ID No:	SVM-5-5	SVM-5-15	SVM-16-7	SVM-16-16	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	2	2	2	2	MRL

Fixed Gases (ASTM D1946M)

Methane	<0.20	<0.20	<0.20	<0.20	0.10
Oxygen	21	22	22	21	0.10
Carbon Dioxide	<0.20	<0.20	<0.20	<0.20	0.10

Allen Aminian

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QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: Fixed Gases by TCD

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: % by Volume

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/24/21	08/24/21	08/24/21	08/24/21	
Date Analyzed:	08/24/21	08/24/21	08/24/21	08/24/21	
AA ID No:	1H10015-26	1H10015-27	1H10015-28	1H10015-29	
Client ID No:	SVM-16-22	SVM-16-22 DUP	SVM-15-7	SVM-15-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	2	2	2	2	MRL

Fixed Gases (ASTM D1946M)

Methane	<0.20	<0.20	<0.20	<0.20	0.10
Oxygen	19	18	21	21	0.10
Carbon Dioxide	<0.20	<0.20	<0.20	<0.20	0.10

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: Fixed Gases by TCD

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: % by Volume

Date Sampled:	08/11/21	08/11/21	08/11/21	08/11/21	
Date Prepared:	08/24/21	08/24/21	08/24/21	08/24/21	
Date Analyzed:	08/24/21	08/24/21	08/24/21	08/24/21	
AA ID No:	1H10015-30	1H10015-32	1H10015-33	1H10015-34	
Client ID No:	SVM-15-22	SVM-6-5	SVM-6-15	SVM-7-7	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	2	2	2	2	MRL

Fixed Gases (ASTM D1946M)

Methane	<0.20	<0.20	<0.20	<0.20	0.10
Oxygen	22	22	19	21	0.10
Carbon Dioxide	<0.20	<0.20	<0.20	<0.20	0.10

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup
Method: Fixed Gases by TCD

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21
Units: % by Volume

Date Sampled:	08/11/21	08/11/21	
Date Prepared:	08/24/21	08/24/21	
Date Analyzed:	08/24/21	08/24/21	
AA ID No:	1H10015-35	1H10015-36	
Client ID No:	SVM-7-13	SVM-10-15	
Matrix:	Vapor	Vapor	
Dilution Factor:	2	2	MRL

Fixed Gases (ASTM D1946M)

Methane	<0.20	<0.20	0.10
Oxygen	21	10	0.10
Carbon Dioxide	<0.20	<0.20	0.10

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
VOCs by EPA TO-3 - Quality Control										
<i>Batch B1H1815 - *** DEFAULT PREP ***</i>										
Blank (B1H1815-BLK1)				Prepared & Analyzed: 08/17/21						
Gasoline Range Organics (GRO)	<0.50	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	0.0375		ug/L	0.0358	105	70-130				
LCS (B1H1815-BS1)				Prepared: 08/17/21 Analyzed: 08/18/21						
Gasoline Range Organics (GRO)	0.865	0.50	ug/L	0.802	108	70-130				
Surrogate: 4-Bromofluorobenzene	0.0377		ug/L	0.0358	105	70-130				
LCS Dup (B1H1815-BSD1)				Prepared: 08/17/21 Analyzed: 08/18/21						
Gasoline Range Organics (GRO)	0.851	0.50	ug/L	0.802	106	70-130	1.64	30		
Surrogate: 4-Bromofluorobenzene	0.0377		ug/L	0.0358	105	70-130				
<i>Batch B1H1924 - *** DEFAULT PREP ***</i>										
Blank (B1H1924-BLK1)				Prepared & Analyzed: 08/18/21						
Gasoline Range Organics (GRO)	<0.50	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	0.0356		ug/L	0.0358	99.4	70-130				
LCS (B1H1924-BS1)				Prepared: 08/18/21 Analyzed: 08/19/21						
Gasoline Range Organics (GRO)	0.781	0.50	ug/L	0.802	97.4	70-130				
Surrogate: 4-Bromofluorobenzene	0.0367		ug/L	0.0358	103	70-130				
LCS Dup (B1H1924-BSD1)				Prepared: 08/18/21 Analyzed: 08/19/21						
Gasoline Range Organics (GRO)	0.936	0.50	ug/L	0.802	117	70-130	18.1	30		
Surrogate: 4-Bromofluorobenzene	0.0371		ug/L	0.0358	104	70-130				
<i>Batch B1H1925 - *** DEFAULT PREP ***</i>										
Blank (B1H1925-BLK1)				Prepared & Analyzed: 08/18/21						
Gasoline Range Organics (GRO)	<0.50	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	0.0358		ug/L	0.0358	100	70-130				
LCS (B1H1925-BS1)				Prepared: 08/18/21 Analyzed: 08/19/21						
Gasoline Range Organics (GRO)	0.889	0.50	ug/L	0.802	111	70-130				
Surrogate: 4-Bromofluorobenzene	0.0367		ug/L	0.0358	103	70-130				
LCS Dup (B1H1925-BSD1)				Prepared: 08/18/21 Analyzed: 08/19/21						
Gasoline Range Organics (GRO)	0.899	0.50	ug/L	0.802	112	70-130	1.12	30		

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by EPA TO-3 - Quality Control										
<i>Batch B1H1925 - *** DEFAULT PREP ***</i>										
LCS Dup (B1H1925-BSD1) Continued				Prepared: 08/18/21 Analyzed: 08/19/21						
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0369		ug/L	0.0358		103	70-130			
<i>Batch B1H2007 - *** DEFAULT PREP ***</i>										
Blank (B1H2007-BLK1)				Prepared & Analyzed: 08/19/21						
Gasoline Range Organics (GRO)	<0.50	0.50	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0369		ug/L	0.0358		103	70-130			
LCS (B1H2007-BS1)				Prepared: 08/19/21 Analyzed: 08/20/21						
Gasoline Range Organics (GRO)	0.787	0.50	ug/L				70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0372		ug/L	0.0358		104	70-130			
LCS Dup (B1H2007-BSD1)				Prepared: 08/19/21 Analyzed: 08/20/21						
Gasoline Range Organics (GRO)	0.637	0.50	ug/L				70-130	21.0	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0374		ug/L	0.0358		105	70-130			
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1813 - *** DEFAULT PREP ***</i>										
Blank (B1H1813-BLK1)				Prepared & Analyzed: 08/17/21						
Acetone	<0.020	0.020	ug/L							
Allyl chloride	<0.020	0.020	ug/L							
tert-Amyl-Methyl Ether (TAME)	<0.020	0.020	ug/L							
Benzene	<0.0030	0.0030	ug/L							
Benzyl chloride	<0.020	0.020	ug/L							
Bromodichloromethane	<0.020	0.020	ug/L							
Bromoform	<0.020	0.020	ug/L							
Bromomethane	<0.020	0.020	ug/L							
1,3-Butadiene	<0.020	0.020	ug/L							
2-Butanone (MEK)	<0.020	0.020	ug/L							
tert-Butyl Alcohol (TBA)	<2.0	2.0	ug/L							
Carbon Disulfide	<0.020	0.020	ug/L							
Carbon Tetrachloride	<0.020	0.020	ug/L							
Chlorobenzene	<0.020	0.020	ug/L							
Chloroethane	<0.020	0.020	ug/L							

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1813 - *** DEFAULT PREP ***</i>										
Blank (B1H1813-BLK1) Continued										
Prepared & Analyzed: 08/17/21										
Chloroform	<0.020	0.020	ug/L							
Chloromethane	<0.020	0.020	ug/L							
Cyclohexane	<0.020	0.020	ug/L							
Dibromochloromethane	<0.020	0.020	ug/L							
1,2-Dibromoethane (EDB)	<0.020	0.020	ug/L							
1,2-Dichlorobenzene	<0.020	0.020	ug/L							
1,3-Dichlorobenzene	<0.020	0.020	ug/L							
1,4-Dichlorobenzene	<0.020	0.020	ug/L							
Dichlorodifluoromethane (R12)	<0.020	0.020	ug/L							
1,1-Dichloroethane	<0.020	0.020	ug/L							
1,2-Dichloroethane (EDC)	<0.0040	0.0040	ug/L							
cis-1,2-Dichloroethylene	<0.020	0.020	ug/L							
1,1-Dichloroethylene	<0.020	0.020	ug/L							
trans-1,2-Dichloroethylene	<0.020	0.020	ug/L							
1,2-Dichloropropane	<0.020	0.020	ug/L							
trans-1,3-Dichloropropylene	<0.020	0.020	ug/L							
cis-1,3-Dichloropropylene	<0.020	0.020	ug/L							
Dichlorotetrafluoroethane	<0.020	0.020	ug/L							
Diisopropyl ether (DIPE)	<0.020	0.020	ug/L							
1,4-Dioxane	<0.020	0.020	ug/L							
Ethanol	<0.020	0.020	ug/L							
Ethyl Acetate	<0.020	0.020	ug/L							
Ethylbenzene	<0.020	0.020	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.020	0.020	ug/L							
4-Ethyltoluene	<0.020	0.020	ug/L							
Heptane	<0.020	0.020	ug/L							
Hexachlorobutadiene	<0.020	0.020	ug/L							
n-Hexane	<0.020	0.020	ug/L							
2-Hexanone (MBK)	<0.020	0.020	ug/L							
Isopropanol (IPA)	<0.20	0.20	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.020	0.020	ug/L							
Methylene Chloride	<0.020	0.020	ug/L							

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1813 - *** DEFAULT PREP ***</i>										
Blank (B1H1813-BLK1) Continued										
Prepared & Analyzed: 08/17/21										
4-Methyl-2-pentanone (MIBK)	<0.020	0.020	ug/L							
Naphthalene	<0.0030	0.0030	ug/L							
Propylene	<0.020	0.020	ug/L							
Styrene	<0.020	0.020	ug/L							
1,1,2,2-Tetrachloroethane	<0.020	0.020	ug/L							
Tetrachloroethylene (PCE)	<0.010	0.010	ug/L							
Tetrahydrofuran (THF)	<0.020	0.020	ug/L							
Toluene	<0.020	0.020	ug/L							
1,2,4-Trichlorobenzene	<0.020	0.020	ug/L							
1,1,2-Trichloroethane	<0.020	0.020	ug/L							
1,1,1-Trichloroethane	<0.020	0.020	ug/L							
Trichloroethylene (TCE)	<0.020	0.020	ug/L							
Trichlorofluoromethane (R11)	<0.020	0.020	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	0.020	ug/L							
1,3,5-Trimethylbenzene	<0.020	0.020	ug/L							
1,2,4-Trimethylbenzene	<0.020	0.020	ug/L							
2,2,4-Trimethylpentane	<0.020	0.020	ug/L							
Vinyl acetate	<0.020	0.020	ug/L							
Vinyl bromide	<0.020	0.020	ug/L							
Vinyl chloride	<0.020	0.020	ug/L							
o-Xylene	<0.020	0.020	ug/L							
m,p-Xylenes	<0.020	0.020	ug/L							
1,2,3-Trichloropropane	<0.020	0.020	ug/L							
sec-Butylbenzene	<0.020	0.020	ug/L							
Isopropylbenzene	<0.020	0.020	ug/L							
n-Propylbenzene	<0.020	0.020	ug/L							
4-Isopropyltoluene	<0.020	0.020	ug/L							
n-Butylbenzene	<0.020	0.020	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.174</i>		<i>ug/L</i>	<i>0.143</i>	<i>121</i>	<i>70-130</i>				
LCS (B1H1813-BS1)										
Prepared & Analyzed: 08/17/21										

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1813 - *** DEFAULT PREP ***</i>										
LCS (B1H1813-BS1) Continued										
Prepared & Analyzed: 08/17/21										
Acetone	0.0935	0.020	ug/L	0.0950		98.4	70-130		30	
Benzene	0.102	0.0030	ug/L	0.128		80.1	70-130		30	
Benzyl chloride	0.137	0.020	ug/L	0.178		76.7	70-130		30	
Bromodichloromethane	0.215	0.020	ug/L	0.268		80.1	70-130		30	
Bromoform	0.296	0.020	ug/L	0.413		71.5	70-130		30	
Bromomethane	0.148	0.020	ug/L	0.155		95.1	70-130		30	
2-Butanone (MEK)	0.0937	0.020	ug/L	0.118		79.4	70-130		30	
Carbon Disulfide	0.101	0.020	ug/L	0.125		81.2	70-130		30	
Carbon Tetrachloride	0.198	0.020	ug/L	0.252		78.7	70-130		30	
Chlorobenzene	0.150	0.020	ug/L	0.184		81.4	70-130		30	
Chloroethane	0.111	0.020	ug/L	0.106		105	70-130		30	
Chloroform	0.165	0.020	ug/L	0.195		84.6	70-130		30	
Chloromethane	0.0751	0.020	ug/L	0.0826		90.9	70-130		30	
Dibromochloromethane	0.267	0.020	ug/L	0.341		78.2	70-130		30	
1,2-Dibromoethane (EDB)	0.254	0.020	ug/L	0.307		82.6	70-130		30	
1,2-Dichlorobenzene	0.299	0.020	ug/L	0.240		124	70-130		30	
1,3-Dichlorobenzene	0.264	0.020	ug/L	0.240		110	70-130		30	
1,4-Dichlorobenzene	0.264	0.020	ug/L	0.240		110	70-130		30	
Dichlorodifluoromethane (R12)	0.200	0.020	ug/L	0.198		101	70-130		30	
1,1-Dichloroethane	0.133	0.020	ug/L	0.162		82.1	70-130		30	
1,2-Dichloroethane (EDC)	0.153	0.0040	ug/L	0.162		94.3	70-130		30	
cis-1,2-Dichloroethylene	0.133	0.020	ug/L	0.159		83.6	70-130		30	
1,1-Dichloroethylene	0.199	0.020	ug/L	0.159		126	70-130		30	
trans-1,2-Dichloroethylene	0.134	0.020	ug/L	0.159		84.6	70-130		30	
1,2-Dichloropropane	0.140	0.020	ug/L	0.185		75.6	70-130		30	
trans-1,3-Dichloropropylene	0.148	0.020	ug/L	0.182		81.8	70-130		30	
cis-1,3-Dichloropropylene	0.141	0.020	ug/L	0.182		77.7	70-130		30	
Dichlorotetrafluoroethane	0.272	0.020	ug/L	0.280		97.1	70-130		30	
Ethylbenzene	0.137	0.020	ug/L	0.174		78.8	70-130		30	
4-Ethyltoluene	0.156	0.020	ug/L	0.197		79.3	70-130		30	
Hexachlorobutadiene	1.17	0.020	ug/L	0.427		275	70-130		30	QL-04
2-Hexanone (MBK)	0.122	0.020	ug/L	0.164		74.4	70-130		30	

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1813 - *** DEFAULT PREP ***</i>										
LCS (B1H1813-BS1) Continued						Prepared & Analyzed: 08/17/21				
Isopropanol (IPA)	0.0933	0.20	ug/L	0.0865	108	70-130	30			
Methylene Chloride	0.134	0.020	ug/L	0.139	96.7	70-130	30			
4-Methyl-2-pentanone (MIBK)	0.117	0.020	ug/L	0.164	71.7	70-130	30			
Styrene	0.147	0.020	ug/L	0.170	86.4	70-130	30			
1,1,2,2-Tetrachloroethane	0.218	0.020	ug/L	0.275	79.5	70-130	30			
Tetrachloroethylene (PCE)	0.228	0.010	ug/L	0.271	84.0	70-130	30			
Toluene	0.122	0.020	ug/L	0.151	81.1	70-130	30			
1,2,4-Trichlorobenzene	0.913	0.020	ug/L	0.297	307	70-130	30			QL-04
1,1,2-Trichloroethane	0.177	0.020	ug/L	0.218	81.0	70-130	30			
1,1,1-Trichloroethane	0.189	0.020	ug/L	0.218	86.6	70-130	30			
Trichloroethylene (TCE)	0.163	0.020	ug/L	0.215	75.8	70-130	30			
Trichlorofluoromethane (R11)	0.269	0.020	ug/L	0.225	120	70-130	30			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	0.269	0.020	ug/L	0.307	87.7	70-130	30			
1,3,5-Trimethylbenzene	0.210	0.020	ug/L	0.197	107	70-130	30			
1,2,4-Trimethylbenzene	0.213	0.020	ug/L	0.197	108	70-130	30			
Vinyl acetate	0.0940	0.020	ug/L	0.118	79.5	70-130	30			
Vinyl chloride	0.0969	0.020	ug/L	0.102	94.8	70-130	30			
o-Xylene	0.144	0.020	ug/L	0.174	82.8	70-130	30			
m,p-Xylenes	0.279	0.020	ug/L	0.347	80.2	70-130	30			
1,2,3-Trichloropropane	0.173	0.020	ug/L	0.241	71.6	70-130	30			
sec-Butylbenzene	0.164	0.020	ug/L	0.220	74.7	70-130	30			
Isopropylbenzene	0.150	0.020	ug/L	0.197	76.3	70-130	30			
n-Propylbenzene	0.133	0.020	ug/L	0.197	67.7	70-130	30			
4-Isopropyltoluene	0.174	0.020	ug/L	0.220	79.4	70-130	30			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.171</i>		<i>ug/L</i>	<i>0.143</i>	<i>119</i>	<i>70-130</i>				
LCS Dup (B1H1813-BSD1)						Prepared: 08/17/21 Analyzed: 08/18/21				
Acetone	0.0975	0.020	ug/L	0.0950	103	70-130	4.20	30		
Benzene	0.107	0.0030	ug/L	0.128	84.0	70-130	4.72	30		
Benzyl chloride	0.146	0.020	ug/L	0.178	82.0	70-130	6.67	30		
Bromodichloromethane	0.214	0.020	ug/L	0.268	79.7	70-130	0.469	30		

Allen Aminian
QA/QC Manager

**LABORATORY ANALYSIS RESULTS**

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
Batch B1H1813 - *** DEFAULT PREP ***										
LCS Dup (B1H1813-BSD1) Continued										
					Prepared: 08/17/21 Analyzed: 08/18/21					
Bromoform	0.320	0.020	ug/L	0.413		77.3	70-130	7.83	30	
Bromomethane	0.155	0.020	ug/L	0.155		100	70-130	5.10	30	
2-Butanone (MEK)	0.0978	0.020	ug/L	0.118		82.9	70-130	4.25	30	
Carbon Disulfide	0.108	0.020	ug/L	0.125		86.8	70-130	6.64	30	
Carbon Tetrachloride	0.197	0.020	ug/L	0.252		78.3	70-130	0.541	30	
Chlorobenzene	0.161	0.020	ug/L	0.184		87.5	70-130	7.23	30	
Chloroethane	0.116	0.020	ug/L	0.106		110	70-130	4.68	30	
Chloroform	0.174	0.020	ug/L	0.195		89.3	70-130	5.35	30	
Chloromethane	0.0758	0.020	ug/L	0.0826		91.8	70-130	1.04	30	
Dibromochloromethane	0.265	0.020	ug/L	0.341		77.7	70-130	0.673	30	
1,2-Dibromoethane (EDB)	0.252	0.020	ug/L	0.307		82.0	70-130	0.638	30	
1,2-Dichlorobenzene	0.312	0.020	ug/L	0.240		130	70-130	4.31	30	
1,3-Dichlorobenzene	0.282	0.020	ug/L	0.240		117	70-130	6.90	30	
1,4-Dichlorobenzene	0.279	0.020	ug/L	0.240		116	70-130	5.73	30	
Dichlorodifluoromethane (R12)	0.206	0.020	ug/L	0.198		104	70-130	2.73	30	
1,1-Dichloroethane	0.143	0.020	ug/L	0.162		88.0	70-130	6.94	30	
1,2-Dichloroethane (EDC)	0.159	0.0040	ug/L	0.162		98.1	70-130	3.95	30	
cis-1,2-Dichloroethylene	0.139	0.020	ug/L	0.159		87.8	70-130	4.87	30	
1,1-Dichloroethylene	0.206	0.020	ug/L	0.159		130	70-130	3.29	30	
trans-1,2-Dichloroethylene	0.143	0.020	ug/L	0.159		90.1	70-130	6.27	30	
1,2-Dichloropropane	0.136	0.020	ug/L	0.185		73.8	70-130	2.31	30	
trans-1,3-Dichloropropylene	0.145	0.020	ug/L	0.182		79.7	70-130	2.60	30	
cis-1,3-Dichloropropylene	0.142	0.020	ug/L	0.182		78.4	70-130	0.928	30	
Dichlorotetrafluoroethane	0.287	0.020	ug/L	0.280		102	70-130	5.39	30	
Ethylbenzene	0.146	0.020	ug/L	0.174		84.3	70-130	6.78	30	
4-Ethyltoluene	0.158	0.020	ug/L	0.197		80.4	70-130	1.38	30	
Hexachlorobutadiene	1.28	0.020	ug/L	0.427		301	70-130	8.86	30	QL-04
2-Hexanone (MBK)	0.121	0.020	ug/L	0.164		73.8	70-130	0.776	30	
Isopropanol (IPA)	0.0925	0.20	ug/L	0.0865		107	70-130	0.873	30	
Methylene Chloride	0.144	0.020	ug/L	0.139		103	70-130	6.62	30	
4-Methyl-2-pentanone (MIBK)	0.118	0.020	ug/L	0.164		71.8	70-130	0.105	30	
Styrene	0.154	0.020	ug/L	0.170		90.4	70-130	4.55	30	

Allen Aminian
QA/QC Manager

**LABORATORY ANALYSIS RESULTS**

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control

Batch B1H1813 - *** DEFAULT PREP ***

LCS Dup (B1H1813-BSD1) Continued

Prepared: 08/17/21 Analyzed: 08/18/21

1,1,2,2-Tetrachloroethane	0.235	0.020	ug/L	0.275		85.5	70-130	7.33	30	
Tetrachloroethylene (PCE)	0.227	0.010	ug/L	0.271		83.5	70-130	0.567	30	
Toluene	0.123	0.020	ug/L	0.151		81.8	70-130	0.798	30	
1,2,4-Trichlorobenzene	0.970	0.020	ug/L	0.297		327	70-130	6.06	30	QL-04
1,1,2-Trichloroethane	0.176	0.020	ug/L	0.218		80.8	70-130	0.216	30	
1,1,1-Trichloroethane	0.202	0.020	ug/L	0.218		92.6	70-130	6.67	30	
Trichloroethylene (TCE)	0.165	0.020	ug/L	0.215		76.7	70-130	1.08	30	
Trichlorofluoromethane (R11)	0.284	0.020	ug/L	0.225		127	70-130	5.65	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	0.295	0.020	ug/L	0.307		96.3	70-130	9.32	30	
1,3,5-Trimethylbenzene	0.226	0.020	ug/L	0.197		115	70-130	7.35	30	
1,2,4-Trimethylbenzene	0.227	0.020	ug/L	0.197		116	70-130	6.43	30	
Vinyl acetate	0.0989	0.020	ug/L	0.118		83.6	70-130	5.07	30	
Vinyl chloride	0.101	0.020	ug/L	0.102		98.9	70-130	4.26	30	
o-Xylene	0.153	0.020	ug/L	0.174		88.1	70-130	6.21	30	
m,p-Xylenes	0.306	0.020	ug/L	0.347		88.2	70-130	9.44	30	
1,2,3-Trichloropropane	0.177	0.020	ug/L	0.241		73.3	70-130	2.28	30	
sec-Butylbenzene	0.173	0.020	ug/L	0.220		78.8	70-130	5.31	30	
Isopropylbenzene	0.159	0.020	ug/L	0.197		81.0	70-130	5.97	30	
n-Propylbenzene	0.141	0.020	ug/L	0.197		71.5	70-130	5.49	30	
4-Isopropyltoluene	0.182	0.020	ug/L	0.220		83.0	70-130	4.46	30	

Surrogate: 4-Bromofluorobenzene 0.171 ug/L 0.143 119 70-130

Batch B1H1921 - *** DEFAULT PREP ***

Blank (B1H1921-BLK1)

Prepared & Analyzed: 08/18/21

Acetone	<0.020	0.020	ug/L							
Allyl chloride	<0.020	0.020	ug/L							
tert-Amyl-Methyl Ether (TAME)	<0.020	0.020	ug/L							
Benzene	<0.0030	0.0030	ug/L							
Benzyl chloride	<0.020	0.020	ug/L							
Bromodichloromethane	<0.020	0.020	ug/L							
Bromoform	<0.020	0.020	ug/L							

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1921 - *** DEFAULT PREP ***</i>										
Blank (B1H1921-BLK1) Continued										
Prepared & Analyzed: 08/18/21										
Bromomethane	<0.020	0.020	ug/L							
1,3-Butadiene	<0.020	0.020	ug/L							
2-Butanone (MEK)	<0.020	0.020	ug/L							
tert-Butyl Alcohol (TBA)	<2.0	2.0	ug/L							
Carbon Disulfide	<0.020	0.020	ug/L							
Carbon Tetrachloride	<0.020	0.020	ug/L							
Chlorobenzene	<0.020	0.020	ug/L							
Chloroethane	<0.020	0.020	ug/L							
Chloroform	<0.020	0.020	ug/L							
Chloromethane	<0.020	0.020	ug/L							
Cyclohexane	<0.020	0.020	ug/L							
Dibromochloromethane	<0.020	0.020	ug/L							
1,2-Dibromoethane (EDB)	<0.020	0.020	ug/L							
1,2-Dichlorobenzene	<0.020	0.020	ug/L							
1,3-Dichlorobenzene	<0.020	0.020	ug/L							
1,4-Dichlorobenzene	<0.020	0.020	ug/L							
Dichlorodifluoromethane (R12)	<0.020	0.020	ug/L							
1,1-Dichloroethane	<0.020	0.020	ug/L							
1,2-Dichloroethane (EDC)	<0.0040	0.0040	ug/L							
cis-1,2-Dichloroethylene	<0.020	0.020	ug/L							
1,1-Dichloroethylene	<0.020	0.020	ug/L							
trans-1,2-Dichloroethylene	<0.020	0.020	ug/L							
1,2-Dichloropropane	<0.020	0.020	ug/L							
trans-1,3-Dichloropropylene	<0.020	0.020	ug/L							
cis-1,3-Dichloropropylene	<0.020	0.020	ug/L							
Dichlorotetrafluoroethane	<0.020	0.020	ug/L							
Diisopropyl ether (DIPE)	<0.020	0.020	ug/L							
1,4-Dioxane	<0.020	0.020	ug/L							
Ethanol	<0.020	0.020	ug/L							
Ethyl Acetate	<0.020	0.020	ug/L							
Ethylbenzene	<0.020	0.020	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.020	0.020	ug/L							

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1921 - *** DEFAULT PREP ***</i>										
Blank (B1H1921-BLK1) Continued										
Prepared & Analyzed: 08/18/21										
4-Ethyltoluene	<0.020	0.020	ug/L							
Heptane	<0.020	0.020	ug/L							
Hexachlorobutadiene	<0.020	0.020	ug/L							
n-Hexane	<0.020	0.020	ug/L							
2-Hexanone (MBK)	<0.020	0.020	ug/L							
Isopropanol (IPA)	<0.20	0.20	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.020	0.020	ug/L							
Methylene Chloride	<0.020	0.020	ug/L							
4-Methyl-2-pentanone (MIBK)	<0.020	0.020	ug/L							
Naphthalene	<0.0030	0.0030	ug/L							
Propylene	<0.020	0.020	ug/L							
Styrene	<0.020	0.020	ug/L							
1,1,2,2-Tetrachloroethane	<0.020	0.020	ug/L							
Tetrachloroethylene (PCE)	<0.010	0.010	ug/L							
Tetrahydrofuran (THF)	<0.020	0.020	ug/L							
Toluene	<0.020	0.020	ug/L							
1,2,4-Trichlorobenzene	<0.020	0.020	ug/L							
1,1,2-Trichloroethane	<0.020	0.020	ug/L							
1,1,1-Trichloroethane	<0.020	0.020	ug/L							
Trichloroethylene (TCE)	<0.020	0.020	ug/L							
Trichlorofluoromethane (R11)	<0.020	0.020	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	0.020	ug/L							
1,3,5-Trimethylbenzene	<0.020	0.020	ug/L							
1,2,4-Trimethylbenzene	<0.020	0.020	ug/L							
2,2,4-Trimethylpentane	<0.020	0.020	ug/L							
Vinyl acetate	<0.020	0.020	ug/L							
Vinyl bromide	<0.020	0.020	ug/L							
Vinyl chloride	<0.020	0.020	ug/L							
o-Xylene	<0.020	0.020	ug/L							
m,p-Xylenes	<0.020	0.020	ug/L							
1,2,3-Trichloropropane	<0.020	0.020	ug/L							

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1921 - *** DEFAULT PREP ***</i>										
Blank (B1H1921-BLK1) Continued										
Prepared & Analyzed: 08/18/21										
sec-Butylbenzene	<0.020	0.020	ug/L							
Isopropylbenzene	<0.020	0.020	ug/L							
n-Propylbenzene	<0.020	0.020	ug/L							
4-Isopropyltoluene	<0.020	0.020	ug/L							
n-Butylbenzene	<0.020	0.020	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.131</i>		<i>ug/L</i>	<i>0.143</i>		<i>91.6</i>	<i>70-130</i>			
LCS (B1H1921-BS1)										
Prepared & Analyzed: 08/18/21										
Acetone	0.0975	0.020	ug/L	0.0950		103	70-130		30	
Benzene	0.103	0.0030	ug/L	0.128		81.0	70-130		30	
Benzyl chloride	0.177	0.020	ug/L	0.178		99.6	70-130		30	
Bromodichloromethane	0.210	0.020	ug/L	0.268		78.3	70-130		30	
Bromoform	0.376	0.020	ug/L	0.413		91.0	70-130		30	
Bromomethane	0.114	0.020	ug/L	0.155		73.2	70-130		30	
2-Butanone (MEK)	0.113	0.020	ug/L	0.118		95.4	70-130		30	
Carbon Disulfide	0.0944	0.020	ug/L	0.125		75.8	70-130		30	
Carbon Tetrachloride	0.176	0.020	ug/L	0.252		70.1	70-130		30	
Chlorobenzene	0.158	0.020	ug/L	0.184		85.7	70-130		30	
Chloroethane	0.0768	0.020	ug/L	0.106		72.7	70-130		30	
Chloroform	0.153	0.020	ug/L	0.195		78.4	70-130		30	
Chloromethane	0.0606	0.020	ug/L	0.0826		73.4	70-130		30	
Dibromochloromethane	0.239	0.020	ug/L	0.341		70.2	70-130		30	
1,2-Dibromoethane (EDB)	0.239	0.020	ug/L	0.307		77.9	70-130		30	
1,2-Dichlorobenzene	0.231	0.020	ug/L	0.240		96.3	70-130		30	
1,3-Dichlorobenzene	0.231	0.020	ug/L	0.240		96.0	70-130		30	
1,4-Dichlorobenzene	0.230	0.020	ug/L	0.240		95.5	70-130		30	
Dichlorodifluoromethane (R12)	0.149	0.020	ug/L	0.198		75.2	70-130		30	
1,1-Dichloroethane	0.127	0.020	ug/L	0.162		78.2	70-130		30	
1,2-Dichloroethane (EDC)	0.123	0.0040	ug/L	0.162		76.0	70-130		30	
cis-1,2-Dichloroethylene	0.116	0.020	ug/L	0.159		73.4	70-130		30	
1,1-Dichloroethylene	0.132	0.020	ug/L	0.159		83.1	70-130		30	
trans-1,2-Dichloroethylene	0.122	0.020	ug/L	0.159		76.9	70-130		30	

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1921 - *** DEFAULT PREP ***</i>										
LCS (B1H1921-BS1) Continued						Prepared & Analyzed: 08/18/21				
1,2-Dichloropropane	0.145	0.020	ug/L	0.185		78.3	70-130		30	
trans-1,3-Dichloropropylene	0.148	0.020	ug/L	0.182		81.5	70-130		30	
cis-1,3-Dichloropropylene	0.141	0.020	ug/L	0.182		77.5	70-130		30	
Dichlorotetrafluoroethane	0.214	0.020	ug/L	0.280		76.4	70-130		30	
Ethylbenzene	0.148	0.020	ug/L	0.174		85.3	70-130		30	
4-Ethyltoluene	0.176	0.020	ug/L	0.197		89.7	70-130		30	
Hexachlorobutadiene	0.300	0.020	ug/L	0.427		70.3	70-130		30	
2-Hexanone (MBK)	0.140	0.020	ug/L	0.164		85.6	70-130		30	
Isopropanol (IPA)	0.0739	0.20	ug/L	0.0865		85.4	70-130		30	
Methylene Chloride	0.108	0.020	ug/L	0.139		77.5	70-130		30	
4-Methyl-2-pentanone (MIBK)	0.141	0.020	ug/L	0.164		86.3	70-130		30	
Styrene	0.166	0.020	ug/L	0.170		97.2	70-130		30	
1,1,2,2-Tetrachloroethane	0.238	0.020	ug/L	0.275		86.7	70-130		30	
Tetrachloroethylene (PCE)	0.231	0.010	ug/L	0.271		85.1	70-130		30	
Toluene	0.130	0.020	ug/L	0.151		86.3	70-130		30	
1,2,4-Trichlorobenzene	0.323	0.020	ug/L	0.297		109	70-130		30	
1,1,2-Trichloroethane	0.195	0.020	ug/L	0.218		89.5	70-130		30	
1,1,1-Trichloroethane	0.160	0.020	ug/L	0.218		73.4	70-130		30	
Trichloroethylene (TCE)	0.168	0.020	ug/L	0.215		77.9	70-130		30	
Trichlorofluoromethane (R11)	0.192	0.020	ug/L	0.225		85.4	70-130		30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	0.248	0.020	ug/L	0.307		80.8	70-130		30	
1,3,5-Trimethylbenzene	0.175	0.020	ug/L	0.197		89.2	70-130		30	
1,2,4-Trimethylbenzene	0.184	0.020	ug/L	0.197		93.5	70-130		30	
Vinyl acetate	0.107	0.020	ug/L	0.118		90.8	70-130		30	
Vinyl chloride	0.0733	0.020	ug/L	0.102		71.7	70-130		30	
o-Xylene	0.149	0.020	ug/L	0.174		86.0	70-130		30	
m,p-Xylenes	0.292	0.020	ug/L	0.347		83.9	70-130		30	
1,2,3-Trichloropropane	0.183	0.020	ug/L	0.241		76.0	70-130		30	
sec-Butylbenzene	0.186	0.020	ug/L	0.220		84.8	70-130		30	
Isopropylbenzene	0.169	0.020	ug/L	0.197		85.8	70-130		30	
n-Propylbenzene	0.158	0.020	ug/L	0.197		80.5	70-130		30	

Allen Aminian

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1921 - *** DEFAULT PREP ***</i>										
LCS (B1H1921-BS1) Continued					Prepared & Analyzed: 08/18/21					
4-Isopropyltoluene	0.184	0.020	ug/L	0.220		83.6	70-130		30	
Surrogate: 4-Bromofluorobenzene	0.151		ug/L	0.143		105	70-130			
LCS Dup (B1H1921-BSD1)					Prepared: 08/18/21 Analyzed: 08/19/21					
Acetone	0.0930	0.020	ug/L	0.0950		97.9	70-130	4.76	30	
Benzene	0.117	0.0030	ug/L	0.128		91.4	70-130	12.0	30	
Benzyl chloride	0.213	0.020	ug/L	0.178		120	70-130	18.3	30	
Bromodichloromethane	0.223	0.020	ug/L	0.268		83.4	70-130	6.28	30	
Bromoform	0.408	0.020	ug/L	0.413		98.6	70-130	8.10	30	
Bromomethane	0.138	0.020	ug/L	0.155		88.5	70-130	18.9	30	
2-Butanone (MEK)	0.123	0.020	ug/L	0.118		104	70-130	8.91	30	
Carbon Disulfide	0.0960	0.020	ug/L	0.125		77.1	70-130	1.67	30	
Carbon Tetrachloride	0.189	0.020	ug/L	0.252		74.9	70-130	6.69	30	
Chlorobenzene	0.179	0.020	ug/L	0.184		97.5	70-130	12.9	30	
Chloroethane	0.0827	0.020	ug/L	0.106		78.3	70-130	7.41	30	
Chloroform	0.167	0.020	ug/L	0.195		85.4	70-130	8.49	30	
Chloromethane	0.0705	0.020	ug/L	0.0826		85.4	70-130	15.1	30	
Dibromochloromethane	0.288	0.020	ug/L	0.341		84.6	70-130	18.5	30	
1,2-Dibromoethane (EDB)	0.278	0.020	ug/L	0.307		90.5	70-130	14.9	30	
1,2-Dichlorobenzene	0.277	0.020	ug/L	0.240		115	70-130	17.8	30	
1,3-Dichlorobenzene	0.275	0.020	ug/L	0.240		114	70-130	17.3	30	
1,4-Dichlorobenzene	0.274	0.020	ug/L	0.240		114	70-130	17.5	30	
Dichlorodifluoromethane (R12)	0.160	0.020	ug/L	0.198		80.7	70-130	6.99	30	
1,1-Dichloroethane	0.130	0.020	ug/L	0.162		80.1	70-130	2.46	30	
1,2-Dichloroethane (EDC)	0.135	0.0040	ug/L	0.162		83.1	70-130	8.99	30	
cis-1,2-Dichloroethylene	0.127	0.020	ug/L	0.159		79.8	70-130	8.42	30	
1,1-Dichloroethylene	0.135	0.020	ug/L	0.159		85.2	70-130	2.53	30	
trans-1,2-Dichloroethylene	0.127	0.020	ug/L	0.159		80.0	70-130	3.95	30	
1,2-Dichloropropane	0.156	0.020	ug/L	0.185		84.6	70-130	7.64	30	
trans-1,3-Dichloropropylene	0.158	0.020	ug/L	0.182		87.1	70-130	6.61	30	
cis-1,3-Dichloropropylene	0.155	0.020	ug/L	0.182		85.3	70-130	9.52	30	
Dichlorotetrafluoroethane	0.256	0.020	ug/L	0.280		91.5	70-130	18.0	30	

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1921 - *** DEFAULT PREP ***</i>										
LCS Dup (B1H1921-BSD1) Continued										
					Prepared: 08/18/21 Analyzed: 08/19/21					
Ethylbenzene	0.176	0.020	ug/L	0.174		101	70-130	17.1	30	
4-Ethyltoluene	0.220	0.020	ug/L	0.197		112	70-130	22.1	30	
Hexachlorobutadiene	0.380	0.020	ug/L	0.427		89.1	70-130	23.7	30	
2-Hexanone (MBK)	0.172	0.020	ug/L	0.164		105	70-130	20.1	30	
Isopropanol (IPA)	0.0643	0.20	ug/L	0.0865		74.3	70-130	13.9	30	
Methylene Chloride	0.115	0.020	ug/L	0.139		82.7	70-130	6.52	30	
4-Methyl-2-pentanone (MIBK)	0.165	0.020	ug/L	0.164		101	70-130	15.7	30	
Styrene	0.197	0.020	ug/L	0.170		116	70-130	17.4	30	
1,1,2,2-Tetrachloroethane	0.285	0.020	ug/L	0.275		104	70-130	18.0	30	
Tetrachloroethylene (PCE)	0.287	0.010	ug/L	0.271		106	70-130	21.5	30	
Toluene	0.153	0.020	ug/L	0.151		102	70-130	16.2	30	
1,2,4-Trichlorobenzene	0.338	0.020	ug/L	0.297		114	70-130	4.61	30	
1,1,2-Trichloroethane	0.213	0.020	ug/L	0.218		97.8	70-130	8.78	30	
1,1,1-Trichloroethane	0.176	0.020	ug/L	0.218		80.8	70-130	9.63	30	
Trichloroethylene (TCE)	0.179	0.020	ug/L	0.215		83.2	70-130	6.61	30	
Trichlorofluoromethane (R11)	0.186	0.020	ug/L	0.225		82.7	70-130	3.24	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	0.256	0.020	ug/L	0.307		83.4	70-130	3.14	30	
1,3,5-Trimethylbenzene	0.213	0.020	ug/L	0.197		108	70-130	19.2	30	
1,2,4-Trimethylbenzene	0.218	0.020	ug/L	0.197		111	70-130	16.9	30	
Vinyl acetate	0.120	0.020	ug/L	0.118		102	70-130	11.4	30	
Vinyl chloride	0.0864	0.020	ug/L	0.102		84.5	70-130	16.4	30	
o-Xylene	0.182	0.020	ug/L	0.174		105	70-130	19.8	30	
m,p-Xylenes	0.353	0.020	ug/L	0.347		102	70-130	19.2	30	
1,2,3-Trichloropropane	0.216	0.020	ug/L	0.241		89.4	70-130	16.1	30	
sec-Butylbenzene	0.222	0.020	ug/L	0.220		101	70-130	17.6	30	
Isopropylbenzene	0.203	0.020	ug/L	0.197		103	70-130	18.4	30	
n-Propylbenzene	0.191	0.020	ug/L	0.197		97.2	70-130	18.8	30	
4-Isopropyltoluene	0.217	0.020	ug/L	0.220		98.9	70-130	16.8	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.158</i>		<i>ug/L</i>	<i>0.143</i>		<i>110</i>	<i>70-130</i>			
<i>Batch B1H1922 - *** DEFAULT PREP ***</i>										

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1922 - *** DEFAULT PREP ***</i>										
Blank (B1H1922-BLK1)										
Prepared & Analyzed: 08/18/21										
Acetone	<0.020	0.020	ug/L							
Allyl chloride	<0.020	0.020	ug/L							
tert-Amyl-Methyl Ether (TAME)	<0.020	0.020	ug/L							
Benzene	<0.0030	0.0030	ug/L							
Benzyl chloride	<0.020	0.020	ug/L							
Bromodichloromethane	<0.020	0.020	ug/L							
Bromoform	<0.020	0.020	ug/L							
Bromomethane	<0.020	0.020	ug/L							
1,3-Butadiene	<0.020	0.020	ug/L							
2-Butanone (MEK)	<0.020	0.020	ug/L							
tert-Butyl Alcohol (TBA)	<2.0	2.0	ug/L							
Carbon Disulfide	<0.020	0.020	ug/L							
Carbon Tetrachloride	<0.020	0.020	ug/L							
Chlorobenzene	<0.020	0.020	ug/L							
Chloroethane	<0.020	0.020	ug/L							
Chloroform	<0.020	0.020	ug/L							
Chloromethane	<0.020	0.020	ug/L							
Cyclohexane	<0.020	0.020	ug/L							
Dibromochloromethane	<0.020	0.020	ug/L							
1,2-Dibromoethane (EDB)	<0.020	0.020	ug/L							
1,2-Dichlorobenzene	<0.020	0.020	ug/L							
1,3-Dichlorobenzene	<0.020	0.020	ug/L							
1,4-Dichlorobenzene	<0.020	0.020	ug/L							
Dichlorodifluoromethane (R12)	<0.020	0.020	ug/L							
1,1-Dichloroethane	<0.020	0.020	ug/L							
1,2-Dichloroethane (EDC)	<0.0040	0.0040	ug/L							
cis-1,2-Dichloroethylene	<0.020	0.020	ug/L							
1,1-Dichloroethylene	<0.020	0.020	ug/L							
trans-1,2-Dichloroethylene	<0.020	0.020	ug/L							
1,2-Dichloropropane	<0.020	0.020	ug/L							
trans-1,3-Dichloropropylene	<0.020	0.020	ug/L							
cis-1,3-Dichloropropylene	<0.020	0.020	ug/L							

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1922 - *** DEFAULT PREP ***</i>										
Blank (B1H1922-BLK1) Continued										
Prepared & Analyzed: 08/18/21										
Dichlorotetrafluoroethane	<0.020	0.020	ug/L							
Diisopropyl ether (DIPE)	<0.020	0.020	ug/L							
1,4-Dioxane	<0.020	0.020	ug/L							
Ethanol	<0.020	0.020	ug/L							
Ethyl Acetate	<0.020	0.020	ug/L							
Ethylbenzene	<0.020	0.020	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.020	0.020	ug/L							
4-Ethyltoluene	<0.020	0.020	ug/L							
Heptane	<0.020	0.020	ug/L							
Hexachlorobutadiene	<0.020	0.020	ug/L							
n-Hexane	<0.020	0.020	ug/L							
2-Hexanone (MBK)	<0.020	0.020	ug/L							
Isopropanol (IPA)	<0.20	0.20	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.020	0.020	ug/L							
Methylene Chloride	<0.020	0.020	ug/L							
4-Methyl-2-pentanone (MIBK)	<0.020	0.020	ug/L							
Naphthalene	<0.0030	0.0030	ug/L							
Propylene	<0.020	0.020	ug/L							
Styrene	<0.020	0.020	ug/L							
1,1,2,2-Tetrachloroethane	<0.020	0.020	ug/L							
Tetrachloroethylene (PCE)	<0.010	0.010	ug/L							
Tetrahydrofuran (THF)	<0.020	0.020	ug/L							
Toluene	<0.020	0.020	ug/L							
1,2,4-Trichlorobenzene	<0.020	0.020	ug/L							
1,1,2-Trichloroethane	<0.020	0.020	ug/L							
1,1,1-Trichloroethane	<0.020	0.020	ug/L							
Trichloroethylene (TCE)	<0.020	0.020	ug/L							
Trichlorofluoromethane (R11)	<0.020	0.020	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	0.020	ug/L							
1,3,5-Trimethylbenzene	<0.020	0.020	ug/L							
1,2,4-Trimethylbenzene	<0.020	0.020	ug/L							

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1922 - *** DEFAULT PREP ***</i>										
Blank (B1H1922-BLK1) Continued										
Prepared & Analyzed: 08/18/21										
2,2,4-Trimethylpentane	<0.020	0.020	ug/L							
Vinyl acetate	<0.020	0.020	ug/L							
Vinyl bromide	<0.020	0.020	ug/L							
Vinyl chloride	<0.020	0.020	ug/L							
o-Xylene	<0.020	0.020	ug/L							
m,p-Xylenes	<0.020	0.020	ug/L							
1,2,3-Trichloropropane	<0.020	0.020	ug/L							
sec-Butylbenzene	<0.020	0.020	ug/L							
Isopropylbenzene	<0.020	0.020	ug/L							
n-Propylbenzene	<0.020	0.020	ug/L							
4-Isopropyltoluene	<0.020	0.020	ug/L							
n-Butylbenzene	<0.020	0.020	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.165</i>		<i>ug/L</i>	<i>0.143</i>		<i>115</i>	<i>70-130</i>			
LCS (B1H1922-BS1)										
Prepared & Analyzed: 08/18/21										
Acetone	0.0971	0.020	ug/L	0.0950		102	70-130		30	
Benzene	0.107	0.0030	ug/L	0.128		84.0	70-130		30	
Benzyl chloride	0.146	0.020	ug/L	0.178		82.1	70-130		30	
Bromodichloromethane	0.219	0.020	ug/L	0.268		81.6	70-130		30	
Bromoform	0.324	0.020	ug/L	0.413		78.2	70-130		30	
Bromomethane	0.153	0.020	ug/L	0.155		98.6	70-130		30	
2-Butanone (MEK)	0.0970	0.020	ug/L	0.118		82.2	70-130		30	
Carbon Disulfide	0.106	0.020	ug/L	0.125		85.3	70-130		30	
Carbon Tetrachloride	0.206	0.020	ug/L	0.252		81.8	70-130		30	
Chlorobenzene	0.159	0.020	ug/L	0.184		86.4	70-130		30	
Chloroethane	0.112	0.020	ug/L	0.106		107	70-130		30	
Chloroform	0.176	0.020	ug/L	0.195		89.9	70-130		30	
Chloromethane	0.0833	0.020	ug/L	0.0826		101	70-130		30	
Dibromochloromethane	0.278	0.020	ug/L	0.341		81.4	70-130		30	
1,2-Dibromoethane (EDB)	0.261	0.020	ug/L	0.307		85.0	70-130		30	
1,2-Dichlorobenzene	0.330	0.020	ug/L	0.240		137	70-130		30	QL-04
1,3-Dichlorobenzene	0.284	0.020	ug/L	0.240		118	70-130		30	

Allen Aminian

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1922 - *** DEFAULT PREP ***</i>										
LCS (B1H1922-BS1) Continued										
Prepared & Analyzed: 08/18/21										
1,4-Dichlorobenzene	0.296	0.020	ug/L	0.240		123	70-130		30	
Dichlorodifluoromethane (R12)	0.197	0.020	ug/L	0.198		99.8	70-130		30	
1,1-Dichloroethane	0.140	0.020	ug/L	0.162		86.3	70-130		30	
1,2-Dichloroethane (EDC)	0.164	0.0040	ug/L	0.162		101	70-130		30	
cis-1,2-Dichloroethylene	0.141	0.020	ug/L	0.159		88.6	70-130		30	
1,1-Dichloroethylene	0.208	0.020	ug/L	0.159		131	70-130		30	QL-04
trans-1,2-Dichloroethylene	0.142	0.020	ug/L	0.159		89.7	70-130		30	
1,2-Dichloropropane	0.137	0.020	ug/L	0.185		73.9	70-130		30	
trans-1,3-Dichloropropylene	0.148	0.020	ug/L	0.182		81.4	70-130		30	
cis-1,3-Dichloropropylene	0.146	0.020	ug/L	0.182		80.3	70-130		30	
Dichlorotetrafluoroethane	0.291	0.020	ug/L	0.280		104	70-130		30	
Ethylbenzene	0.143	0.020	ug/L	0.174		82.6	70-130		30	
4-Ethyltoluene	0.166	0.020	ug/L	0.197		84.5	70-130		30	
Hexachlorobutadiene	1.30	0.020	ug/L	0.427		304	70-130		30	QL-04
2-Hexanone (MBK)	0.122	0.020	ug/L	0.164		74.3	70-130		30	
Isopropanol (IPA)	0.0932	0.20	ug/L	0.0865		108	70-130		30	
Methylene Chloride	0.141	0.020	ug/L	0.139		102	70-130		30	
4-Methyl-2-pentanone (MIBK)	0.117	0.020	ug/L	0.164		71.2	70-130		30	
Styrene	0.156	0.020	ug/L	0.170		91.5	70-130		30	
1,1,2,2-Tetrachloroethane	0.229	0.020	ug/L	0.275		83.5	70-130		30	
Tetrachloroethylene (PCE)	0.237	0.010	ug/L	0.271		87.4	70-130		30	
Toluene	0.126	0.020	ug/L	0.151		83.6	70-130		30	
1,2,4-Trichlorobenzene	0.986	0.020	ug/L	0.297		332	70-130		30	QL-04
1,1,2-Trichloroethane	0.179	0.020	ug/L	0.218		82.1	70-130		30	
1,1,1-Trichloroethane	0.206	0.020	ug/L	0.218		94.2	70-130		30	
Trichloroethylene (TCE)	0.173	0.020	ug/L	0.215		80.6	70-130		30	
Trichlorofluoromethane (R11)	0.287	0.020	ug/L	0.225		128	70-130		30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	0.296	0.020	ug/L	0.307		96.6	70-130		30	
1,3,5-Trimethylbenzene	0.230	0.020	ug/L	0.197		117	70-130		30	
1,2,4-Trimethylbenzene	0.230	0.020	ug/L	0.197		117	70-130		30	
Vinyl acetate	0.0987	0.020	ug/L	0.118		83.4	70-130		30	

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1922 - *** DEFAULT PREP ***</i>										
LCS (B1H1922-BS1) Continued										
Prepared & Analyzed: 08/18/21										
Vinyl chloride	0.101	0.020	ug/L	0.102		98.6	70-130		30	
o-Xylene	0.152	0.020	ug/L	0.174		87.3	70-130		30	
m,p-Xylenes	0.296	0.020	ug/L	0.347		85.2	70-130		30	
1,2,3-Trichloropropane	0.174	0.020	ug/L	0.241		72.2	70-130		30	
sec-Butylbenzene	0.174	0.020	ug/L	0.220		79.3	70-130		30	
Isopropylbenzene	0.160	0.020	ug/L	0.197		81.6	70-130		30	
n-Propylbenzene	0.138	0.020	ug/L	0.197		69.9	70-130		30	
4-Isopropyltoluene	0.182	0.020	ug/L	0.220		83.1	70-130		30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.166</i>		<i>ug/L</i>	<i>0.143</i>		<i>116</i>	<i>70-130</i>			
LCS Dup (B1H1922-BSD1)										
Prepared: 08/18/21 Analyzed: 08/19/21										
Acetone	0.100	0.020	ug/L	0.0950		105	70-130	3.04	30	
Benzene	0.108	0.0030	ug/L	0.128		84.5	70-130	0.623	30	
Benzyl chloride	0.155	0.020	ug/L	0.178		87.2	70-130	6.05	30	
Bromodichloromethane	0.236	0.020	ug/L	0.268		88.0	70-130	7.52	30	
Bromoform	0.369	0.020	ug/L	0.413		89.2	70-130	13.0	30	
Bromomethane	0.160	0.020	ug/L	0.155		103	70-130	4.14	30	
2-Butanone (MEK)	0.0959	0.020	ug/L	0.118		81.3	70-130	1.13	30	
Carbon Disulfide	0.108	0.020	ug/L	0.125		87.0	70-130	1.91	30	
Carbon Tetrachloride	0.236	0.020	ug/L	0.252		93.8	70-130	13.6	30	
Chlorobenzene	0.172	0.020	ug/L	0.184		93.5	70-130	7.86	30	
Chloroethane	0.111	0.020	ug/L	0.106		105	70-130	1.70	30	
Chloroform	0.190	0.020	ug/L	0.195		97.0	70-130	7.68	30	
Chloromethane	0.0771	0.020	ug/L	0.0826		93.4	70-130	7.72	30	
Dibromochloromethane	0.304	0.020	ug/L	0.341		89.1	70-130	8.94	30	
1,2-Dibromoethane (EDB)	0.277	0.020	ug/L	0.307		90.3	70-130	5.99	30	
1,2-Dichlorobenzene	0.361	0.020	ug/L	0.240		150	70-130	8.98	30	QL-04
1,3-Dichlorobenzene	0.311	0.020	ug/L	0.240		129	70-130	9.07	30	
1,4-Dichlorobenzene	0.302	0.020	ug/L	0.240		126	70-130	2.03	30	
Dichlorodifluoromethane (R12)	0.208	0.020	ug/L	0.198		105	70-130	5.10	30	
1,1-Dichloroethane	0.145	0.020	ug/L	0.162		89.3	70-130	3.42	30	
1,2-Dichloroethane (EDC)	0.175	0.0040	ug/L	0.162		108	70-130	6.85	30	

Allen Aminian
 QA/QC Manager

**LABORATORY ANALYSIS RESULTS**

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
Batch B1H1922 - *** DEFAULT PREP ***										
LCS Dup (B1H1922-BSD1) Continued										
					Prepared: 08/18/21 Analyzed: 08/19/21					
cis-1,2-Dichloroethylene	0.143	0.020	ug/L	0.159		90.1	70-130	1.59	30	
1,1-Dichloroethylene	0.216	0.020	ug/L	0.159		136	70-130	3.76	30	QL-04
trans-1,2-Dichloroethylene	0.146	0.020	ug/L	0.159		91.8	70-130	2.31	30	
1,2-Dichloropropane	0.137	0.020	ug/L	0.185		74.3	70-130	0.472	30	
trans-1,3-Dichloropropylene	0.157	0.020	ug/L	0.182		86.4	70-130	5.87	30	
cis-1,3-Dichloropropylene	0.149	0.020	ug/L	0.182		82.1	70-130	2.19	30	
Dichlorotetrafluoroethane	0.304	0.020	ug/L	0.280		109	70-130	4.23	30	
Ethylbenzene	0.153	0.020	ug/L	0.174		88.3	70-130	6.70	30	
4-Ethyltoluene	0.173	0.020	ug/L	0.197		87.9	70-130	4.00	30	
Hexachlorobutadiene	1.47	0.020	ug/L	0.427		345	70-130	12.6	30	QL-04
2-Hexanone (MBK)	0.123	0.020	ug/L	0.164		74.9	70-130	0.871	30	
Isopropanol (IPA)	0.0936	0.20	ug/L	0.0865		108	70-130	0.395	30	
Methylene Chloride	0.145	0.020	ug/L	0.139		105	70-130	2.71	30	
4-Methyl-2-pentanone (MIBK)	0.121	0.020	ug/L	0.164		73.6	70-130	3.25	30	
Styrene	0.164	0.020	ug/L	0.170		96.2	70-130	5.01	30	
1,1,2,2-Tetrachloroethane	0.242	0.020	ug/L	0.275		88.3	70-130	5.56	30	
Tetrachloroethylene (PCE)	0.265	0.010	ug/L	0.271		97.7	70-130	11.0	30	
Toluene	0.132	0.020	ug/L	0.151		87.8	70-130	4.90	30	
1,2,4-Trichlorobenzene	1.07	0.020	ug/L	0.297		359	70-130	7.82	30	QL-04
1,1,2-Trichloroethane	0.188	0.020	ug/L	0.218		86.2	70-130	4.87	30	
1,1,1-Trichloroethane	0.225	0.020	ug/L	0.218		103	70-130	9.02	30	
Trichloroethylene (TCE)	0.189	0.020	ug/L	0.215		87.9	70-130	8.67	30	
Trichlorofluoromethane (R11)	0.325	0.020	ug/L	0.225		144	70-130	12.4	30	QL-03
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	0.329	0.020	ug/L	0.307		107	70-130	10.6	30	
1,3,5-Trimethylbenzene	0.247	0.020	ug/L	0.197		126	70-130	7.30	30	
1,2,4-Trimethylbenzene	0.248	0.020	ug/L	0.197		126	70-130	7.77	30	
Vinyl acetate	0.101	0.020	ug/L	0.118		85.2	70-130	2.15	30	
Vinyl chloride	0.103	0.020	ug/L	0.102		101	70-130	2.50	30	
o-Xylene	0.163	0.020	ug/L	0.174		93.7	70-130	7.05	30	
m,p-Xylenes	0.320	0.020	ug/L	0.347		92.0	70-130	7.65	30	
1,2,3-Trichloropropane	0.187	0.020	ug/L	0.241		77.4	70-130	7.05	30	

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control

Batch B1H1922 - *** DEFAULT PREP ***

LCS Dup (B1H1922-BSD1) Continued

Prepared: 08/18/21 Analyzed: 08/19/21

sec-Butylbenzene	0.188	0.020	ug/L	0.220	85.6	70-130	7.65	30	
Isopropylbenzene	0.174	0.020	ug/L	0.197	88.7	70-130	8.40	30	
n-Propylbenzene	0.146	0.020	ug/L	0.197	74.4	70-130	6.20	30	
4-Isopropyltoluene	0.200	0.020	ug/L	0.220	91.2	70-130	9.29	30	

Surrogate: 4-Bromofluorobenzene 0.166 ug/L 0.143 116 70-130

Batch B1H1926 - *** DEFAULT PREP ***

Blank (B1H1926-BLK1)

Prepared & Analyzed: 08/19/21

Acetone	<0.020	0.020	ug/L						
Allyl chloride	<0.020	0.020	ug/L						
tert-Amyl-Methyl Ether (TAME)	<0.020	0.020	ug/L						
Benzene	<0.0030	0.0030	ug/L						
Benzyl chloride	<0.020	0.020	ug/L						
Bromodichloromethane	<0.020	0.020	ug/L						
Bromoform	<0.020	0.020	ug/L						
Bromomethane	<0.020	0.020	ug/L						
1,3-Butadiene	<0.020	0.020	ug/L						
2-Butanone (MEK)	<0.020	0.020	ug/L						
tert-Butyl Alcohol (TBA)	<2.0	2.0	ug/L						
Carbon Disulfide	<0.020	0.020	ug/L						
Carbon Tetrachloride	<0.020	0.020	ug/L						
Chlorobenzene	<0.020	0.020	ug/L						
Chloroethane	<0.020	0.020	ug/L						
Chloroform	<0.020	0.020	ug/L						
Chloromethane	<0.020	0.020	ug/L						
Cyclohexane	<0.020	0.020	ug/L						
Dibromochloromethane	<0.020	0.020	ug/L						
1,2-Dibromoethane (EDB)	<0.020	0.020	ug/L						
1,2-Dichlorobenzene	<0.020	0.020	ug/L						
1,3-Dichlorobenzene	<0.020	0.020	ug/L						
1,4-Dichlorobenzene	<0.020	0.020	ug/L						
Dichlorodifluoromethane (R12)	<0.020	0.020	ug/L						

Allen Aminian

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1926 - *** DEFAULT PREP ***</i>										
Blank (B1H1926-BLK1) Continued										
Prepared & Analyzed: 08/19/21										
1,1-Dichloroethane	<0.020	0.020	ug/L							
1,2-Dichloroethane (EDC)	<0.0040	0.0040	ug/L							
cis-1,2-Dichloroethylene	<0.020	0.020	ug/L							
1,1-Dichloroethylene	<0.020	0.020	ug/L							
trans-1,2-Dichloroethylene	<0.020	0.020	ug/L							
1,2-Dichloropropane	<0.020	0.020	ug/L							
trans-1,3-Dichloropropylene	<0.020	0.020	ug/L							
cis-1,3-Dichloropropylene	<0.020	0.020	ug/L							
Dichlorotetrafluoroethane	<0.020	0.020	ug/L							
Diisopropyl ether (DIPE)	<0.020	0.020	ug/L							
1,4-Dioxane	<0.020	0.020	ug/L							
Ethanol	<0.020	0.020	ug/L							
Ethyl Acetate	<0.020	0.020	ug/L							
Ethylbenzene	<0.020	0.020	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.020	0.020	ug/L							
4-Ethyltoluene	<0.020	0.020	ug/L							
Heptane	<0.020	0.020	ug/L							
Hexachlorobutadiene	<0.020	0.020	ug/L							
n-Hexane	<0.020	0.020	ug/L							
2-Hexanone (MBK)	<0.020	0.020	ug/L							
Isopropanol (IPA)	<0.20	0.20	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.020	0.020	ug/L							
Methylene Chloride	<0.020	0.020	ug/L							
4-Methyl-2-pentanone (MIBK)	<0.020	0.020	ug/L							
Naphthalene	<0.0030	0.0030	ug/L							
Propylene	<0.020	0.020	ug/L							
Styrene	<0.020	0.020	ug/L							
1,1,2,2-Tetrachloroethane	<0.020	0.020	ug/L							
Tetrachloroethylene (PCE)	<0.010	0.010	ug/L							
Tetrahydrofuran (THF)	<0.020	0.020	ug/L							
Toluene	<0.020	0.020	ug/L							
1,2,4-Trichlorobenzene	<0.020	0.020	ug/L							

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1926 - *** DEFAULT PREP ***</i>										
Blank (B1H1926-BLK1) Continued										
Prepared & Analyzed: 08/19/21										
1,1,2-Trichloroethane	<0.020	0.020	ug/L							
1,1,1-Trichloroethane	<0.020	0.020	ug/L							
Trichloroethylene (TCE)	<0.020	0.020	ug/L							
Trichlorofluoromethane (R11)	<0.020	0.020	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<0.020	0.020	ug/L							
1,3,5-Trimethylbenzene	<0.020	0.020	ug/L							
1,2,4-Trimethylbenzene	<0.020	0.020	ug/L							
2,2,4-Trimethylpentane	<0.020	0.020	ug/L							
Vinyl acetate	<0.020	0.020	ug/L							
Vinyl bromide	<0.020	0.020	ug/L							
Vinyl chloride	<0.020	0.020	ug/L							
o-Xylene	<0.020	0.020	ug/L							
m,p-Xylenes	<0.020	0.020	ug/L							
1,2,3-Trichloropropane	<0.020	0.020	ug/L							
sec-Butylbenzene	<0.020	0.020	ug/L							
Isopropylbenzene	<0.020	0.020	ug/L							
n-Propylbenzene	<0.020	0.020	ug/L							
4-Isopropyltoluene	<0.020	0.020	ug/L							
n-Butylbenzene	<0.020	0.020	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0427</i>		<i>ug/L</i>	<i>0.0358</i>		<i>119</i>	<i>70-130</i>			
LCS (B1H1926-BS1)										
Prepared & Analyzed: 08/19/21										
Acetone	0.0257	0.020	ug/L	0.0238		108	70-130		30	
Benzene	0.0277	0.0030	ug/L	0.0319		86.6	70-130		30	
Benzyl chloride	0.0386	0.020	ug/L	0.0445		86.6	70-130		30	
Bromodichloromethane	0.0594	0.020	ug/L	0.0670		88.7	70-130		30	
Bromoform	0.0886	0.020	ug/L	0.103		85.7	70-130		30	
Bromomethane	0.0407	0.020	ug/L	0.0388		105	70-130		30	
2-Butanone (MEK)	0.0245	0.020	ug/L	0.0295		83.2	70-130		30	
Carbon Disulfide	0.0279	0.020	ug/L	0.0311		89.6	70-130		30	
Carbon Tetrachloride	0.0584	0.020	ug/L	0.0629		92.8	70-130		30	

Allen Aminian

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1926 - *** DEFAULT PREP ***</i>										
LCS (B1H1926-BS1) Continued						Prepared & Analyzed: 08/19/21				
Chlorobenzene	0.0431	0.020	ug/L	0.0460		93.7	70-130		30	
Chloroethane	0.0292	0.020	ug/L	0.0264		111	70-130		30	
Chloroform	0.0474	0.020	ug/L	0.0488		97.0	70-130		30	
Chloromethane	0.0146	0.020	ug/L	0.0207		70.8	70-130		30	
Dibromochloromethane	0.0762	0.020	ug/L	0.0852		89.4	70-130		30	
1,2-Dibromoethane (EDB)	0.0697	0.020	ug/L	0.0768		90.7	70-130		30	
1,2-Dichlorobenzene	0.0884	0.020	ug/L	0.0601		147	70-130		30	QL-04
1,3-Dichlorobenzene	0.0773	0.020	ug/L	0.0601		128	70-130		30	
1,4-Dichlorobenzene	0.0806	0.020	ug/L	0.0601		134	70-130		30	QL-02
Dichlorodifluoromethane (R12)	0.0495	0.020	ug/L	0.0495		100	70-130		30	
1,1-Dichloroethane	0.0366	0.020	ug/L	0.0405		90.4	70-130		30	
1,2-Dichloroethane (EDC)	0.0447	0.0040	ug/L	0.0405		110	70-130		30	
cis-1,2-Dichloroethylene	0.0364	0.020	ug/L	0.0396		91.7	70-130		30	
1,1-Dichloroethylene	0.0552	0.020	ug/L	0.0396		139	70-130		30	QL-02
trans-1,2-Dichloroethylene	0.0374	0.020	ug/L	0.0396		94.4	70-130		30	
1,2-Dichloropropane	0.0355	0.020	ug/L	0.0462		76.9	70-130		30	
trans-1,3-Dichloropropylene	0.0402	0.020	ug/L	0.0454		88.5	70-130		30	
cis-1,3-Dichloropropylene	0.0380	0.020	ug/L	0.0454		83.7	70-130		30	
Dichlorotetrafluoroethane	0.0772	0.020	ug/L	0.0699		110	70-130		30	
Ethylbenzene	0.0383	0.020	ug/L	0.0434		88.1	70-130		30	
4-Ethyltoluene	0.0426	0.020	ug/L	0.0492		86.6	70-130		30	
Hexachlorobutadiene	0.355	0.020	ug/L	0.107		332	70-130		30	QL-04
2-Hexanone (MBK)	0.0316	0.020	ug/L	0.0410		77.2	70-130		30	
Isopropanol (IPA)	0.0244	0.20	ug/L	0.0216		113	70-130		30	
Methylene Chloride	0.0373	0.020	ug/L	0.0347		107	70-130		30	
4-Methyl-2-pentanone (MIBK)	0.0309	0.020	ug/L	0.0410		75.4	70-130		30	
Styrene	0.0410	0.020	ug/L	0.0426		96.2	70-130		30	
1,1,2,2-Tetrachloroethane	0.0612	0.020	ug/L	0.0687		89.2	70-130		30	
Tetrachloroethylene (PCE)	0.0653	0.010	ug/L	0.0679		96.2	70-130		30	
Toluene	0.0333	0.020	ug/L	0.0377		88.3	70-130		30	
1,2,4-Trichlorobenzene	0.269	0.020	ug/L	0.0742		363	70-130		30	QL-04
1,1,2-Trichloroethane	0.0471	0.020	ug/L	0.0546		86.4	70-130		30	

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1926 - *** DEFAULT PREP ***</i>										
LCS (B1H1926-BS1) Continued					Prepared & Analyzed: 08/19/21					
1,1,1-Trichloroethane	0.0568	0.020	ug/L	0.0546	104	70-130		30		
Trichloroethylene (TCE)	0.0467	0.020	ug/L	0.0537	86.9	70-130		30		
Trichlorofluoromethane (R11)	0.0812	0.020	ug/L	0.0562	145	70-130		30		QL-04
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	0.0812	0.020	ug/L	0.0766	106	70-130		30		
1,3,5-Trimethylbenzene	0.0613	0.020	ug/L	0.0492	125	70-130		30		
1,2,4-Trimethylbenzene	0.0618	0.020	ug/L	0.0492	126	70-130		30		
Vinyl acetate	0.0257	0.020	ug/L	0.0296	86.8	70-130		30		
Vinyl chloride	0.0263	0.020	ug/L	0.0256	103	70-130		30		
o-Xylene	0.0416	0.020	ug/L	0.0434	95.8	70-130		30		
m,p-Xylenes	0.0790	0.020	ug/L	0.0868	91.0	70-130		30		
1,2,3-Trichloropropane	0.0496	0.020	ug/L	0.0603	82.3	70-130		30		
sec-Butylbenzene	0.0467	0.020	ug/L	0.0549	85.1	70-130		30		
Isopropylbenzene	0.0428	0.020	ug/L	0.0492	87.0	70-130		30		
n-Propylbenzene	0.0371	0.020	ug/L	0.0492	75.5	70-130		30		
4-Isopropyltoluene	0.0502	0.020	ug/L	0.0549	91.4	70-130		30		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0419</i>		<i>ug/L</i>	<i>0.0358</i>	<i>117</i>	<i>70-130</i>				
LCS Dup (B1H1926-BSD1)					Prepared: 08/19/21 Analyzed: 08/20/21					
Acetone	0.0235	0.020	ug/L	0.0238	99.1	70-130	8.78	30		
Benzene	0.0256	0.0030	ug/L	0.0319	80.2	70-130	7.67	30		
Benzyl chloride	0.0352	0.020	ug/L	0.0445	79.0	70-130	9.27	30		
Bromodichloromethane	0.0557	0.020	ug/L	0.0670	83.2	70-130	6.40	30		
Bromoform	0.0850	0.020	ug/L	0.103	82.2	70-130	4.17	30		
Bromomethane	0.0373	0.020	ug/L	0.0388	96.0	70-130	8.67	30		
2-Butanone (MEK)	0.0228	0.020	ug/L	0.0295	77.2	70-130	7.48	30		
Carbon Disulfide	0.0257	0.020	ug/L	0.0311	82.5	70-130	8.25	30		
Carbon Tetrachloride	0.0550	0.020	ug/L	0.0629	87.5	70-130	5.88	30		
Chlorobenzene	0.0398	0.020	ug/L	0.0460	86.5	70-130	7.99	30		
Chloroethane	0.0268	0.020	ug/L	0.0264	101	70-130	8.68	30		
Chloroform	0.0433	0.020	ug/L	0.0488	88.6	70-130	9.05	30		
Chloromethane	0.0142	0.020	ug/L	0.0207	69.0	70-130	2.58	30		QL-03

Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1926 - *** DEFAULT PREP ***</i>										
LCS Dup (B1H1926-BSD1) Continued										
					Prepared: 08/19/21 Analyzed: 08/20/21					
Dibromochloromethane	0.0720	0.020	ug/L	0.0852		84.5	70-130	5.64	30	
1,2-Dibromoethane (EDB)	0.0660	0.020	ug/L	0.0768		85.9	70-130	5.44	30	
1,2-Dichlorobenzene	0.0822	0.020	ug/L	0.0601		137	70-130	7.33	30	QL-04
1,3-Dichlorobenzene	0.0726	0.020	ug/L	0.0601		121	70-130	6.26	30	
1,4-Dichlorobenzene	0.0725	0.020	ug/L	0.0601		121	70-130	10.6	30	
Dichlorodifluoromethane (R12)	0.0423	0.020	ug/L	0.0495		85.5	70-130	15.7	30	
1,1-Dichloroethane	0.0337	0.020	ug/L	0.0405		83.3	70-130	8.18	30	
1,2-Dichloroethane (EDC)	0.0406	0.0040	ug/L	0.0405		100	70-130	9.58	30	
cis-1,2-Dichloroethylene	0.0332	0.020	ug/L	0.0396		83.7	70-130	9.12	30	
1,1-Dichloroethylene	0.0508	0.020	ug/L	0.0396		128	70-130	8.31	30	
trans-1,2-Dichloroethylene	0.0343	0.020	ug/L	0.0396		86.5	70-130	8.73	30	
1,2-Dichloropropane	0.0335	0.020	ug/L	0.0462		72.4	70-130	6.03	30	
trans-1,3-Dichloropropylene	0.0371	0.020	ug/L	0.0454		81.7	70-130	7.99	30	
cis-1,3-Dichloropropylene	0.0358	0.020	ug/L	0.0454		78.8	70-130	6.03	30	
Dichlorotetrafluoroethane	0.0683	0.020	ug/L	0.0699		97.7	70-130	12.3	30	
Ethylbenzene	0.0355	0.020	ug/L	0.0434		81.8	70-130	7.42	30	
4-Ethyltoluene	0.0397	0.020	ug/L	0.0492		80.8	70-130	6.93	30	
Hexachlorobutadiene	0.337	0.020	ug/L	0.107		316	70-130	5.22	30	QL-04
2-Hexanone (MBK)	0.0288	0.020	ug/L	0.0410		70.2	70-130	9.50	30	
Isopropanol (IPA)	0.0210	0.20	ug/L	0.0216		96.9	70-130	15.0	30	
Methylene Chloride	0.0340	0.020	ug/L	0.0347		97.8	70-130	9.36	30	
4-Methyl-2-pentanone (MIBK)	0.0283	0.020	ug/L	0.0410		69.1	70-130	8.72	30	QL-03
Styrene	0.0382	0.020	ug/L	0.0426		89.6	70-130	7.10	30	
1,1,2,2-Tetrachloroethane	0.0558	0.020	ug/L	0.0687		81.3	70-130	9.27	30	
Tetrachloroethylene (PCE)	0.0609	0.010	ug/L	0.0679		89.7	70-130	6.99	30	
Toluene	0.0308	0.020	ug/L	0.0377		81.7	70-130	7.76	30	
1,2,4-Trichlorobenzene	0.245	0.020	ug/L	0.0742		330	70-130	9.56	30	QL-04
1,1,2-Trichloroethane	0.0439	0.020	ug/L	0.0546		80.4	70-130	7.19	30	
1,1,1-Trichloroethane	0.0523	0.020	ug/L	0.0546		95.8	70-130	8.30	30	
Trichloroethylene (TCE)	0.0432	0.020	ug/L	0.0537		80.4	70-130	7.77	30	
Trichlorofluoromethane (R11)	0.0754	0.020	ug/L	0.0562		134	70-130	7.46	30	QL-04

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (Mid Level) - Quality Control										
<i>Batch B1H1926 - *** DEFAULT PREP ***</i>										
LCS Dup (B1H1926-BSD1) Continued										
					Prepared: 08/19/21 Analyzed: 08/20/21					
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	0.0756	0.020	ug/L	0.0766		98.7	70-130	7.13	30	
1,3,5-Trimethylbenzene	0.0568	0.020	ug/L	0.0492		116	70-130	7.65	30	
1,2,4-Trimethylbenzene	0.0571	0.020	ug/L	0.0492		116	70-130	7.94	30	
Vinyl acetate	0.0235	0.020	ug/L	0.0296		79.4	70-130	8.88	30	
Vinyl chloride	0.0240	0.020	ug/L	0.0256		93.9	70-130	9.05	30	
o-Xylene	0.0379	0.020	ug/L	0.0434		87.2	70-130	9.40	30	
m,p-Xylenes	0.0736	0.020	ug/L	0.0868		84.8	70-130	7.05	30	
1,2,3-Trichloropropane	0.0434	0.020	ug/L	0.0603		71.9	70-130	13.5	30	
sec-Butylbenzene	0.0433	0.020	ug/L	0.0549		78.8	70-130	7.69	30	
Isopropylbenzene	0.0401	0.020	ug/L	0.0492		81.5	70-130	6.53	30	
n-Propylbenzene	0.0340	0.020	ug/L	0.0492		69.2	70-130	8.71	30	
4-Isopropyltoluene	0.0463	0.020	ug/L	0.0549		84.4	70-130	7.96	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0415</i>		<i>ug/L</i>	<i>0.0358</i>		<i>116</i>	<i>70-130</i>			
Fixed Gases by TCD - Quality Control										
<i>Batch B1H1919 - *** DEFAULT PREP ***</i>										
Blank (B1H1919-BLK1)										
					Prepared & Analyzed: 08/19/21					
Methane	<0.10	0.10	% by Volume							
Oxygen	<0.10	0.10	% by Volume							
Carbon Dioxide	<0.10	0.10	% by Volume							
LCS (B1H1919-BS1)										
					Prepared & Analyzed: 08/19/21					
Methane	2.70	0.10	% by Volume	2.25		120	70-130			
Oxygen	1.96	0.10	% by Volume	2.00		98.0	70-130			
Carbon Dioxide	7.62	0.10	% by Volume	7.50		102	70-130			
LCS Dup (B1H1919-BSD1)										
					Prepared & Analyzed: 08/19/21					

Allen Aminian
Allen Aminian
 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fixed Gases by TCD - Quality Control										
<i>Batch B1H1919 - *** DEFAULT PREP ***</i>										
LCS Dup (B1H1919-BSD1) Continued Prepared & Analyzed: 08/19/21										
Methane	2.46	0.10	% by Volume	2.25		109	70-130	9.18	30	
Oxygen	1.87	0.10	% by Volume	2.00		93.7	70-130	4.54	30	
Carbon Dioxide	7.29	0.10	% by Volume	7.50		97.3	70-130	4.41	30	
Duplicate (B1H1919-DUP1) Source: 1H10015-03 Prepared & Analyzed: 08/19/21										
Methane	<0.20	0.20	% by Volume		<0.20				30	
Oxygen	11.2	0.20	% by Volume		9.22			19.2	30	
Carbon Dioxide	8.28	0.20	% by Volume		9.47			13.4	30	
<i>Batch B1H2002 - *** DEFAULT PREP ***</i>										
Blank (B1H2002-BLK1) Prepared: 08/20/21 Analyzed: 08/26/21										
Methane	<0.10	0.10	% by Volume							
Oxygen	<0.10	0.10	% by Volume							
Carbon Dioxide	<0.10	0.10	% by Volume							
LCS (B1H2002-BS1) Prepared & Analyzed: 08/20/21										
Methane	2.65	0.10	% by Volume	2.25		118	70-130			
Oxygen	2.17	0.10	% by Volume	2.00		108	70-130			
Carbon Dioxide	8.12	0.10	% by Volume	7.50		108	70-130			
LCS Dup (B1H2002-BSD1) Prepared & Analyzed: 08/20/21										
Methane	2.58	0.10	% by Volume	2.25		115	70-130	2.83	30	

Allen Aminian
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LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fixed Gases by TCD - Quality Control										
<i>Batch B1H2002 - *** DEFAULT PREP ***</i>										
LCS Dup (B1H2002-BSD1) Continued Prepared & Analyzed: 08/20/21										
Oxygen	2.16	0.10	% by Volume	2.00		108	70-130	0.509	30	
Carbon Dioxide	7.86	0.10	% by Volume	7.50		105	70-130	3.37	30	
Duplicate (B1H2002-DUP1) Source: 1H10015-06 Prepared & Analyzed: 08/20/21										
Methane	<0.20	0.20	% by Volume	<0.20					30	
Oxygen	12.1	0.20	% by Volume		9.21			26.7	30	
Carbon Dioxide	6.05	0.20	% by Volume		5.46			10.3	30	
<i>Batch B1H2326 - *** DEFAULT PREP ***</i>										
Blank (B1H2326-BLK1) Prepared & Analyzed: 08/23/21										
Methane	<0.10	0.10	% by Volume							
Oxygen	<0.10	0.10	% by Volume							
Carbon Dioxide	<0.10	0.10	% by Volume							
LCS (B1H2326-BS1) Prepared & Analyzed: 08/23/21										
Methane	2.87	0.10	% by Volume	2.25		127	70-130			
Oxygen	2.04	0.10	% by Volume	2.00		102	70-130			
Carbon Dioxide	7.72	0.10	% by Volume	7.50		103	70-130			
LCS Dup (B1H2326-BSD1) Prepared & Analyzed: 08/23/21										
Methane	2.64	0.10	% by Volume	2.25		117	70-130	8.13	30	
Oxygen	1.95	0.10	% by Volume	2.00		97.3	70-130	4.67	30	

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 QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fixed Gases by TCD - Quality Control										
<i>Batch B1H2326 - *** DEFAULT PREP ***</i>										
LCS Dup (B1H2326-BSD1) Continued					Prepared & Analyzed: 08/23/21					
Carbon Dioxide	7.52	0.10	% by Volume	7.50		100	70-130	2.64	30	
Duplicate (B1H2326-DUP1)					Source: 1H10015-23 Prepared & Analyzed: 08/23/21					
Methane	<0.20	0.20	% by Volume		<0.20				30	
Oxygen	21.9	0.20	% by Volume		21.9			0.0731	30	
Carbon Dioxide	<0.20	0.20	% by Volume		<0.20				30	
<i>Batch B1H2412 - *** DEFAULT PREP ***</i>										
Blank (B1H2412-BLK1)					Prepared & Analyzed: 08/24/21					
Methane	<0.10	0.10	% by Volume							
Oxygen	<0.10	0.10	% by Volume							
Carbon Dioxide	<0.10	0.10	% by Volume							
LCS (B1H2412-BS1)					Prepared & Analyzed: 08/24/21					
Methane	2.57	0.10	% by Volume	2.25		114	70-130			
Oxygen	2.20	0.10	% by Volume	2.00		110	70-130			
Carbon Dioxide	7.78	0.10	% by Volume	7.50		104	70-130			
LCS Dup (B1H2412-BSD1)					Prepared & Analyzed: 08/24/21					
Methane	2.46	0.10	% by Volume	2.25		110	70-130	4.06	30	
Oxygen	2.01	0.10	% by Volume	2.00		100	70-130	9.36	30	
Carbon Dioxide	7.44	0.10	% by Volume	7.50		99.2	70-130	4.40	30	
Duplicate (B1H2412-DUP1)					Source: 1H10015-36 Prepared & Analyzed: 08/24/21					

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fixed Gases by TCD - Quality Control										
<i>Batch B1H2412 - *** DEFAULT PREP ***</i>										
Methane	<0.20	0.20	% by Volume		<0.20				30	
Oxygen	10.9	0.20	% by Volume		10.0			8.33	30	
Carbon Dioxide	<0.20	0.20	% by Volume		<0.20				30	

Allen Aminian
QA/QC Manager



LABORATORY ANALYSIS RESULTS

Client: CH2M Hill, Inc.
Project No: 693142
Project Name: KMEP Norwalk Biosparge Startup

AA Project No: MB187340
Date Received: 08/10/21
Date Reported: 08/27/21

Special Notes

- [1] = E : The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
- [2] = QL-02 : The recovery for this analyte is outside of the acceptance control limits for the LCS. The data was validated based on the acceptable recovery for this analyte in the LCSD.
- [3] = QL-03 : The recovery for this analyte is outside of the acceptance control limits for the LCSD. The data was validated based on the acceptable recovery for this analyte in the LCS.
- [4] = QL-04 : The recovery for this analyte in the LCS and LCSD is marginally above the upper control limit. Since the analyte was not detected in any of the associated samples, the analytical results for this analyte are valid.

A handwritten signature in black ink, appearing to read 'Allen Aminian'.

Allen Aminian
QA/QC Manager



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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A.A. COC No.: 23143

20204572

Page 1 of 2

Client: <u>Jacobs</u>	Project Name / No.: <u>Norwalk</u>	Sampler's Name: <u>Juan Rodriguez</u>
Project Manager: <u>Niels</u>	Site Address: <u>Norwalk Blvd</u>	Sampler's Signature: <u>[Signature]</u>
Phone:	City: <u>Norwalk</u>	P.O. No.:
Fax:	State & Zip: <u>CA</u>	Quote No.:

TAT Turnaround Codes **

- ① = Same Day Rush
- ② = 24 Hour Rush
- ③ = 48 Hour Rush
- ④ = 72 Hour Rush
- ⑤ = 5 Day Rush
- X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Please enter the TAT Turnaround Codes ** below										Special Instructions		
						TO15	TO3	Fixed Cost										
SVM-12-7	1410015-01	8/10/21	420	Sum 9	1	X	X	X										
SVM-12-15	-02		820			X												
SVM-12-22	-03		420			X												
SVM-11-7	-04		900			X												
SVM-11-15	-05		900			X												
SVM-11-22	-06		900			X												
SVM-13-7	-07		925			X												
SVM-13-7 Dup	-08		925			X												
SVM-13-15	-09		925			X												
SVM-13-22	-10		925			X												
SVM-14R-8	-11		1000			X												
SVM-14R-16	-12		1000			X												
SVM-14R-22	-13		1000			X												
Ambient A.R	-14		1010			X	*											
SVM-1-5	-15		1045			X	6	4										

For Laboratory Use

<p style="font-size: 24pt; text-align: center;">REVIEWED</p> <p>Date: 8/11/21 To: 7/6/16</p> <p>By: [Signature]</p>	Relinquished by: <u>[Signature]</u>	Date: 8/11/21	Time: 1130	Received by: <u>[Signature]</u>
	Relinquished by: <u>[Signature]</u>	Date: 8/10/21	Time: 1338	Received by: <u>[Signature]</u>
	Relinquished by:	Date:	Time:	Received by:

A.A. Project No.: MB/87340/1410015

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A.A. COC No.: 23144
20204568
 Page 2 of 2

Client: <u>Jacobs</u>	Project Name / No.: <u>Norwalk</u>	Sampler's Name: <u>Juan Rodriguez</u>
Project Manager: <u>MNiels</u>	Site Address: <u>Norwalk Blvd</u>	Sampler's Signature:
Phone:	City: <u>Norwalk</u>	P.O. No.:
Fax:	State & Zip: <u>CA</u>	Quote No.:

TAT Turnaround Codes **

- ① = Same Day Rush
- ② = 24 Hour Rush
- ③ = 48 Hour Rush
- ④ = 72 Hour Rush
- ⑤ = 5 Day Rush
- X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	ANALYSIS REQUESTED (Test Name)										Special Instructions					
						Please enter the TAT Turnaround Codes ** below															
<u>SVM-1-15</u>	<u>1410015 -16</u>	<u>8-10-21</u>	<u>1045</u>	<u>Soils</u>	<u>1</u>	X	X	X													
<u>SVM-2-5</u>	<u>-17</u>	<u>8-10-21</u>	<u>1100</u>	<u>Soils</u>	<u>1</u>	X	X	X													

For Laboratory Use <u>REVIEWED</u> Date <u>8/14/21</u> Time <u>16:17</u> TAT <u>10</u> Days Sign	Relinquished by Date <u>8/10/21</u> Time <u>1130</u>	Received by
	Relinquished by Date <u>8/10/21</u> Time <u>13:38</u>	Received by
	Relinquished by _____ Date _____ Time _____	Received by _____
A.A. Project No.: <u>MB187340/1410015</u>		

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A.A. COC No.: 23163

20204575

Page 1 of 2

Client: <u>Jacobs</u>	Project Name / No.: <u>Normalle</u>	Sampler's Name: <u>Juan Rodriguez</u>
Project Manager: <u>Neils .0</u>	Site Address: <u>Normalle Blvd</u>	Sampler's Signature:
Phone:	City: <u>Normalle</u>	P.O. No.:
Fax:	State & Zip: <u>CA</u>	Quote No.:

TAT Turnaround Codes **

- ① = Same Day Rush
- ② = 24 Hour Rush
- ③ = 48 Hour Rush

- ④ = 72 Hour Rush
- ⑤ = 5 Day Rush
- X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Please enter the TAT Turnaround Codes ** below										Special Instructions	
						TO15	TO3	Fixed									
SVM-3-5	1H10015-08	8/11/21	823	Sm9	1	X	X	X									
SVM-3-15	19		823			X	X	X									
SVM-8-5	20		850			X	X	X									
SVM-8-15	21		846			X	X	X									
SVM-5-5	22		910			X	X	X									
SVM-5-15	23		910			X	X	X									
SVM-16-7	24		930			X	X	X									
SVM-16-16	25		930			X	X	X									
SVM-16-22	26		937			X	X	X									
SVM-16-22dp	27		937			X	X	X									
SVM-15-7	28		1010			X	X	X									
SVM-15-15	29		1010			X	X	X									
SVM-15-22	30		1010			X	X	X									
Ambient Air	31		1005			X	X	X									
SVM-6-5	32		1031			X	X	X									

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REVIEWED

Date: 8/11/21 Time: 16:18

TAT: 10 Days Sign:

Relinquished by

Date

Time

Received by

8/11/21

1135

Relinquished by

Date

Time

Received by

8/11/21

1444

Relinquished by

Date

Time

Received by

A.A. Project No.: MB187540/141005

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AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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A.A. COC No.: 23164

20204573

Page 2 of 2

Client: <u>Jacobs</u>	Project Name / No.: <u>Norwalk</u>	Sampler's Name: <u>Joan Rodryg</u>
Project Manager: <u>Niels O</u>	Site Address: <u>Norwalk Blvd</u>	Sampler's Signature: <u>[Signature]</u>
Phone:	City: <u>Norwalk</u>	P.O. No.:
Fax:	State & Zip: <u>US</u>	Quote No.:

TAT Turnaround Codes **

- ① = Same Day Rush
- ② = 24 Hour Rush
- ③ = 48 Hour Rush
- ④ = 72 Hour Rush
- ⑤ = 5 Day Rush
- X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Please enter the TAT Turnaround Codes ** below										Special Instructions	
						TOIS	TO3	Fixed Cont									
SUM-6-15	1H10015 -33	8/11/21	1031	Sum 4	1	X	X	X									
SUM-7-7	-34	↓	1050	↓	↓	X	X	X									
SUM-7-13	-35	↓	1050	↓	↓	X	X	X									
SUM-10-15	-36	↓	1107	↓	↓	X	X	X									

For Laboratory Use REVIEWED Date <u>8/11/21</u> Time <u>16:18</u> TAT <u>10</u> Days Sign: <u>[Signature]</u>	Relinquished by <u>[Signature]</u>	Date <u>8/11/21</u>	Time <u>11:35</u>	Received by <u>[Signature]</u>
	Relinquished by <u>[Signature]</u>	Date <u>8/11/21</u>	Time <u>14:44</u>	Received by <u>[Signature]</u>
	Relinquished by	Date	Time	Received by

A.A. Project No.: MBS187340/1H10015

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Appendix B
Phase I Natural Source Zone Depletion Preliminary Results –
Technical Memorandum and Updated Helium Diffusion Calculations

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Subject	Natural Source Zone Depletion Preliminary Results, SFPP Norwalk Pump Station, Norwalk, California	Project Name	SFPP Norwalk Pump Station, Norwalk, California
Attention	Ryan Koch/Kinder Morgan, Inc.		
From	Lindsay Reynolds/Jacobs Wyatt Nolan/Jacobs Trevre Andrews/Jacobs		
Date	October 29, 2020		
Copies to	Eric Davis/Jacobs		

This technical memorandum provides an update on the current natural source zone depletion (NSZD) evaluation at the SFPP, L.P. (SFPP) Norwalk Pump Station, located at 15306 Norwalk Boulevard, Norwalk, California (the site). The overall goal of this project is to evaluate the rate of NSZD under ambient conditions.

1. Introduction

As part of this effort, active remedies at the site were transitioned from their current operation to a configuration that allowed the assessment of NSZD rates under ambient conditions. Specifically, this involved a temporary suspension of hydraulic control and recovery (i.e., groundwater pump and treat), soil vapor extraction (SVE), and biosparging in the south-central area, as recommended in the *Biosparging Effectiveness Evaluation and Recommendations – South-Central Area* (Jacobs, 2019).

2. Objectives

NSZD processes occur in the subsurface and are often capable of contaminant reduction rates of active remedies. This site provides opportunities to evaluate NSZD rates under the following conditions:

1. South-central area following nearly 3 years of treatment with horizontal biosparging.
2. Southeastern area prior to the startup of the recently installed horizontal biosparging system.
3. Southeastern area following the operation of the recently installed horizontal biosparging system.
4. Evaluation of two ¹⁴C (a radioactive isotope of carbon) sampling methodologies to determine the most viable technique for the future of site-specific NSZD work. Not all sampling methodologies are effective in each area of the site, in particular, determination of NSZD rates in the south-central offsite area where a majority of the surface is covered by structures requires the use of soil vapor probes rather than surface flux meters to determine NSZD rates.

3. Methodology

Petroleum hydrocarbon constituents in light nonaqueous phase liquid (LNAPL) undergo a variety of degradation processes, including volatilization, dissolution, and biodegradation (Kostecki and Calabrese, 1989; NRC, 1993; Johnson et al., 2006). NSZD is a term used to describe the collective, naturally occurring processes of dissolution, volatilization, and biodegradation in the subsurface that act to degrade LNAPL and convert petroleum hydrocarbon constituents to innocuous aqueous and gaseous by-products. These processes physically degrade the LNAPL by mass transfer of chemical components to the aqueous phase where they are biologically broken down to benign end products such as carbon dioxide (CO₂). CO₂ subsequently transports into and through the vadose zone and can be measured at the ground surface as CO₂ efflux.

NSZD rates were evaluated using three technologies at the site:

- LI-COR CO₂ efflux measurements
- E-Flux CO₂ traps
- Field precipitation of ¹⁴BaCO₃

E-Flux CO₂ traps and ¹⁴BaCO₃ samples utilize the radioisotope ¹⁴C to allow for the apportionment of petroleum-degradation-derived CO₂ from LI-COR CO₂ measured efflux.

3.1 LI-COR CO₂ Efflux Measurements

The NSZD field investigation was conducted between April 16 and 23, 2020, and May 5 and 7, 2020. Soil CO₂ efflux was measured using the LI-COR Biosciences Inc. (LI-COR) 870 and Smart Chamber dynamic closed chamber (DCC) assembly. A LI-COR survey involves embedding shallow soil collars into the ground surface at various locations across the site. Using an infrared CO₂ gas analyzer (IRGA) and chamber unit, the LI-COR DCC methodology directly measures the concentrations of CO₂ emitted into a vented, ground-surface-mounted chamber over a short time. The LI-COR DCC system involves the collection of large amounts of discrete, time series CO₂ concentration data ultimately allowing for the calculation of CO₂ efflux and a stoichiometrically back-calculated NSZD rate. Using the automated IRGA and intermittent chamber closure, the system measures the change in chamber CO₂ concentration over a set time from each location. A summary of all LI-COR CO₂ measurement locations, dates, and atmospheric conditions is presented in Table 1.

After the field survey, the raw data were tabulated, and the concentration versus time curve fit was optimized for each observation. Following curve fit optimization, the method detection limit was calculated using field blank values, the data were validated removing outliers and poor-quality data, and nondetect values were assigned, where appropriate.

3.2 E-Flux CO₂ Traps

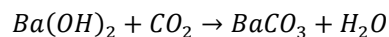
The CO₂ traps used in this study were designed by Colorado State University and were made commercially available by E-Flux. The E-Flux traps are designed for longer-term, in situ monitoring of CO₂ efflux. The E-Flux trap assembly consists of three parts: an approximately 6-inch length of 4-inch inside-diameter polyvinyl chloride (PVC) receiver pipe with basal metal angle anchors, a short PVC E-Flux trap equipped

with a moisture-resistant media (SODASORB) that adsorbs CO₂, and a 6-inch (15-centimeter)-diameter protective rain cover. The receiver pipe is installed in the shallow ground surface and soil is compacted to pre-existing conditions inside and outside the pipe to allow soil vapor to pass up through the pipe in approximately undisturbed conditions (E-Flux, 2019).

The E-Flux trap is a flow-through methodology intended to capture and sorb CO₂ as it migrates upward through the receiver pipe. The E-Flux trap contains two sorbent pucks; the upper sorbent is used to scrub atmospheric CO₂ and prevent it from migrating into the lower sorbent puck. The lower sorbent is used to capture the CO₂ solely emitted from the underlying subsurface. The upper sorbent puck is discarded at the laboratory after verifying that atmospheric CO₂ did not break through the upper puck, and the lower puck is analyzed to estimate the efflux. Unlike the LI-COR system, no pumping or field measurements are required. Over a pre-established period of time, on the order of 2 to 3 weeks, the E-Flux trap passively allows soil vapor to move through and sorbs the CO₂ mass. Analogous to a trip blank used for a groundwater volatile organic compound (VOC) sampling program, a separate E-Flux trap accompanies the samples and remains capped, containerized, and onsite for the duration of deployment. Upon termination of the deployment period, the sorbent E-Flux traps are sent back to the E-Flux laboratory for CO₂ and ¹⁴C analysis.

3.3 Field Precipitation of ¹⁴BaCO₃

The BaCO₃ radiocarbon sampling method was developed by the University of Ottawa in 2019. This method uses compact, commercially available sampling equipment and laboratory-prepared sample containers. The sample containers are 4.5-milliliter (mL) exetainers with a butyl septum cap and hold approximately 0.5 mL of a barium hydroxide solution. Sampling produces a precipitated mineral, witherite (BaCO₃) for later analysis of radiocarbon isotopic signatures. The precipitate is the product of the reaction between a barium hydroxide (Ba(OH)₂) solution housed in the sampling container and the CO₂ from the subsurface soil gas.



Soil gas is drawn from soil probes manufactured by AMS Inc. (American Falls, Idaho). Soil probes are installed to a depth of approximately 12 inches below the ground surface with a rubber mallet. The top of the soil probe is fitted with a 3/16-inch adapter manufactured by AMS Inc., that is connected to 3/16-inch inner diameter flexible tubing. Bev-A-Line tubing is used because it is impermeable to CO₂, which prevents atmospheric CO₂ sample contamination. Tubing is connected to a three-way gas lock to direct air flow during the sampling procedure. The other two ports on the gas lock are connected to a 60-mL syringe and a 3-inch-long, 22-gauge needle. The needle is used to pierce the sample container septum and the gas lock is turned to allow the soil gas to be pushed out through the needle and into the barium hydroxide solution. Each sample container has soil CO₂ added to it twice, 24 hours apart.

Samples are shipped to the University of Ottawa's A.E. Lalonde Accelerator Mass Spectrometer Laboratory for analysis and subsequent reporting.

Mineralogical samples were shipped to the University of Ottawa A.E. Lalonde Laboratory for analysis by Accelerator Mass Spectrometry (AMS) for ¹⁴C fraction. ¹⁴C signatures were measured using a

3-millivolt (mV) accelerator mass spectrometer and were corrected using laboratory standard blank and modern standards.

The NSZD monitoring program performed at the site between April 16 and 23, 2020, and May 5 and 7, 2020, included monitoring of 50 LI-COR locations plus 5 replicates, E-Flux trap sampling at 8 locations, and ¹⁴C radiocarbon sampling at 14 locations plus 1 duplicate.

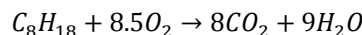
4. Results

4.1 CO₂ Efflux Survey

CO₂ efflux survey locations were selected throughout the site in varying levels of previously identified groundwater impacts or measured LNAPL (Figure 1). Furthermore, the survey locations were selected to encompass both the south-central and southeastern areas of the site. The south-central area of the site represents NSZD rates following nearly 3 years of treatment with horizontal biosparging. The southeastern area of the site represents NSZD rates prior to the startup of the recently installed horizontal biosparging system.

NSZD rates are often reported in many different units. Laboratory and field data are typically reported in micromoles per square meter per second (μmol/m²/s). Typically, hydrocarbon mass degraded per unit area per unit time is more relevant to remedial progress. To convert from field units to a unit mass of hydrocarbon at a site, a representative hydrocarbon molecule must be selected. Octane was selected as the representative hydrocarbon molecule for the site because the majority of the hydrocarbons released were in the gasoline range.

Once the measured CO₂ efflux is corrected to reflect the component that is attributable to hydrocarbon degradation, the rate can be stoichiometrically converted to the LNAPL degradation/loss occurring via NSZD (Davidson et al., 2002; Molins et al., 2010; Sihota et al., 2011a, 2011b, 2013). To estimate the mass of hydrocarbon degraded from CO₂ efflux, a representative hydrocarbon compound is assumed by reviewing historical soil and groundwater impacts. The microbially mediated oxidation reaction can be approximated as follows, with the molecular formula C₈H₁₈:



Using isotopically corrected CO₂ efflux values and a representative hydrocarbon, efflux rates measured in μmol/m²/sec can be converted to the rate of NSZD in units of gallons per acre per year (gal/acre/year).

$$R_{NSZD} = Efflux_{Fossil\ Fuel} * \frac{1\ mol}{1 \times 10^6\ \mu mol} * \frac{1\ mol\ C_8H_{18}}{8\ mol\ CO_2} * \frac{114.23\ g\ C_8H_{18}}{1\ mol\ C_8H_{18}} * \frac{86400\ sec}{1\ day} * \frac{365\ day}{1\ year}$$

$$* \frac{1\ ml\ C_8H_{18}}{0.702\ gC_8H_{18}} * \frac{1\ L}{1000\ mL} * \frac{1\ gallon}{3.785\ L} * \frac{1\ m^2}{0.000247\ acre}$$

$$R_{NSZD} = \frac{gallon}{acre\ year}$$

Using this methodology, it can be determined that NSZD rates attributed to the biodegradation of octane can be calculated with a conversion factor of 624.

$$R_{NSZD} = Efflux_{Fossil\ Fuel} * 624$$

This conversion results in approximately 1 $\mu\text{mol}/\text{m}^2/\text{s}$ at this site being equivalent to 624 gallons of octane per acre per year.

CO_2 rates are calculated using either exponential or linear regression methods to fit the observed dataset. Typically, the fitting method that best matches the data trend is used. In most cases, exponential fitting best matches the data. However, using exponential efflux calculations can overestimate CO_2 respiration, as there is not necessarily enough carbon substrate to warrant the calculated rates (Tracy, 2015). Based on this, the data were fit using linear regression methods; the results of the regression are included in Table 1.

4.2 NSZD Quality Control Results

To assess the variability in LI-COR measurements at immediately adjacent locations during the May 2020 survey, five replicate LI-COR collars (NW-08D, NW-27D, NW-38D, NW-43D, and NW-48D) were installed during the CO_2 efflux event. The difference in total CO_2 efflux between the parent and duplicate collars ranged from 0.06 $\mu\text{mol}/\text{m}^2/\text{s}$ (NW-27/NW-27D) to 2.51 $\mu\text{mol}/\text{m}^2/\text{s}$ (NW-48/NW-48D) (Table 2). The relative percent difference (RPD) ranged from 6 percent (NW-27/NW-27D) to 40 percent (NW-38/NW-38D).

Standards for soil gas efflux sample variability have not been established to date. An RPD of 30 percent is generally considered acceptable for environmental samples such as soil. The higher difference observed for the parent and duplicate pair for NW-48 is likely attributable to naturally occurring heterogeneities within the shallow subsurface that affect soil gas flow. Therefore, the associated results from NW-08, NW-38, and NW-48 should be considered less reliable, but still relevant estimates because of low field duplicate precision.

4.3 E-Flux Traps

E-Flux traps for the collection of the radiocarbon signature of carbon dioxide ($^{14}\text{CO}_2$) were installed throughout the site complementary to LI-COR collars as a part of the NSZD survey (Figure 1).

Standard quality control procedure for the use of E-Flux traps involves the use of a field blank set up to be stored onsite during trap deployment and subsequent analysis alongside deployed field traps. The field blank stored on the site in this survey was measured to have 0.68 fraction modern carbon (FmC), which was used to correct analyzed ^{14}C values from all other traps. The data are presented in Table 1.

4.4 $^{14}\text{BaCO}_3$ Sampling

Soil probes for $^{14}\text{BaCO}_3$ sample collection of the radiocarbon signature of carbon dioxide ($^{14}\text{CO}_2$) were installed throughout the site complementary to LI-COR collars as a part of the NSZD survey (Figure 1).

$^{14}\text{CO}_2$ measured at the site ranged from 0.62 FmC (NW-40) to 0.99 FmC (NW-53). The ^{14}C results are summarized in Table 1.

¹⁴C Quality Control Results

One duplicate ¹⁴CO₂ sample was collected at NW-10 during the NSZD survey to assess the variability in ¹⁴CO₂ measurements at immediately adjacent locations during the April 2020 survey. The sample did not yield adequate sample volumes to be analyzed by the laboratory.

4.5 Comparison of ¹⁴CO₂ Sampling Techniques

Four locations were chosen to conduct a side by side comparison of both the E-Flux trap and ¹⁴BaCO₃ sampling techniques. Comparative data are presented in Table 3.

Standards for soil gas efflux sample variability have not been established to date. An RPD of 30 percent is generally considered acceptable for environmental samples such as soil.

5. Discussion

Overall hydrocarbon degradation rates calculated at the site (Table 1) vary between approximately 11 (NW-31) and 489 (NW-50) gal/acre/year, which confirms natural biodegradation of hydrocarbon constituents is occurring at various rates around the site.

Using the corrected ¹⁴C fossil fuel fraction (modern carbon vs. hydrocarbon) allows for a more accurate and refined estimate of subsurface hydrocarbon degradation rates versus solely using LI-COR efflux results. These annual estimates assume that NSZD rates, which are in part driven by subsurface temperatures, remain constant throughout the year, or that the rates measured in mid- to late-spring are representative of the annual mean.

The hydrocarbon degradation rate measured varies primarily due to the proximity of hydrocarbon constituents to a given measurement, but also due to variability in degradation rates and the volatile gas migration capability through heterogeneities in the vadose zone at each location. For the purposes of this study, it is assumed that the NSZD rates at different locations are mainly driven by the primary factor — proximity to hydrocarbon constituents.

Figure 1 shows the measured NSZD rate (gal/acre/year) for each sample location. The southeastern area of the site shows that the higher the dissolved-phase concentrations, the higher the likelihood that residual LNAPL is present and degrading near those concentrations. Based on a comparison of NSZD rates and spatial distribution of the dissolved phase, areas of residual LNAPL that are likely present and degrading, and location of the historically operated horizontal biosparging equipment, the following observations can be made:

- The highest NSZD rates (approximately 500 gal/acre/year) correspond to the areas adjacent to residual LNAPL that has not been treated with biosparging remediation (i.e., the southeastern area).
- The lowest NSZD rates (approximately 11 gal/acre/year) correspond to the area where horizontal biosparging equipment was historically operated (i.e., the south-central onsite area).
- Measurable NSZD rates are present in all areas of detected dissolved-phase concentrations.

- The total NSZD rate for the south-central onsite area illustrated on Figure 1 is 900 gallons/year.
- The total NSZD rate for the southeastern area illustrated on Figure 1 is 500 gallons/year.

The comparative analysis of E-Flux trap and $^{14}\text{BaCO}_3$ sampling techniques for the analysis of the ^{14}C signature of CO_2 efflux showed that both methods produce comparable results. Going forward, $^{14}\text{BaCO}_3$ sampling techniques will be used at the site as they allow collection of NSZD data in the south-central offsite areas where surface flux meters would not be effective and $^{14}\text{BaCO}_3$ sampling techniques allow the collection of a higher density of samples across the site.

6. Conclusions

As part of this effort, active remedies at the site were transitioned from their current operation to a configuration that allowed the assessment of the NSZD rates under ambient conditions. Specifically, this involved a temporary suspension of hydraulic control and recovery (i.e., groundwater pump and treat), SVE, and biosparging in the south-central area, as recommended in the *Biosparging Effectiveness Evaluation and Recommendations – South-Central Area* (Jacobs, 2019).

This NSZD evaluation sought to evaluate NSZD processes occurring in the subsurface with consideration of historical and future horizontal biosparging operations. NSZD rates observed confirm that NSZD can be measured at this site and that significant rates (up to approximately 1,400 gal/acre/year) of biodegradation are occurring in the subsurface. Reduced NSZD rates were observed in the south-central onsite area, which has undergone biosparging operations. Higher rates of NSZD were observed in the southeastern area, which has not undergone biosparging operations.

This study also sought to evaluate two methods for sampling the ^{14}C signature of CO_2 efflux. Results of this study show both methods produce comparable technical results that will allow the continued use of ^{14}C barium carbonate sampling to correct NSZD rates at the site, in particular in the south-central offsite areas where NSZD rates must be measured using vapor probes due to the degree of ground cover.

7. References

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Tables

Table 1. Summary of Sitewide NSZD Measurements, May 2020

SFPP Norwalk Pump Station, Norwalk, California

Location	Date	Pressure (kPa)	Temperature (°F)	Total CO ₂ Efflux (μmol/m ² /s)	Closest ¹⁴ C Sample	Normalized ¹⁴ C	¹⁴ C Fossil Fuel Fraction	¹⁴ C Corrected CO ₂ Efflux (μmol/m ² /s)	Estimated Hydrocarbon Degradation (g/m ² /day)	Estimated Hydrocarbon Degraded (gallon/acre/year)
South-Central Area										
NW-01	06-May-20	101.3	95.2	1.75	NW-03	0.90	0.10	0.1672	0.2059	104
NW-02	06-May-20	101.3	90.3	0.81	NW-03	0.90	0.10	0.0775	0.0954	48
NW-03	06-May-20	101.3	91.8	3.64	NW-03	0.90	0.10	0.3470	0.4272	216
NW-04	06-May-20	101.3	90.9	1.41	NW-03	0.90	0.10	0.1344	0.1655	84
NW-05	06-May-20	101.3	90.3	1.11	NW-10	0.88	0.12	0.1375	0.1693	86
NW-06	06-May-20	101.3	87.0	1.36	NW-12	0.94	0.06	0.0807	0.0993	50
NW-07	06-May-20	101.3	90.8	1.00	NW-12	0.94	0.06	0.0596	0.0734	37
NW-08	06-May-20	101.3	85.9	2.85	NW-18	0.89	0.11	0.3196	0.3934	199
NW-08D	06-May-20	101.3	85.1	2.03	NW-18	0.89	0.11	0.2276	0.2802	142
NW-09	06-May-20	101.3	89.6	2.10	NW-18	0.89	0.11	0.2347	0.2889	146
NW-10	06-May-20	101.3	90.6	2.91	NW-10	0.88	0.12	0.3611	0.4446	225
NW-11	06-May-20	101.3	91.3	0.32	NW-10	0.88	0.12	0.0398	0.0490	25
NW-12	06-May-20	101.3	71.2	0.91	NW-12	0.94	0.06	0.0541	0.0666	34
NW-13	06-May-20	101.3	95.1	0.67	NW-12	0.94	0.06	0.0400	0.0492	25
NW-14	06-May-20	101.3	93.9	0.98	NW-15	0.77	0.23	0.2212	0.2723	138
NW-15	06-May-20	101.3	92.4	0.52	NW-15	0.77	0.23	0.1177	0.1449	73
NW-16	06-May-20	101.3	68.9	3.56	NW-26	0.92	0.08	0.2903	0.3574	181
NW-17	06-May-20	101.3	74.4	0.96	NW-26	0.92	0.08	0.0784	0.0966	49
NW-18	06-May-20	101.3	87.0	2.28	NW-18	0.89	0.11	0.2557	0.3149	160
NW-19	06-May-20	101.3	86.0	1.13	NW-10	0.88	0.12	0.1406	0.1731	88
NW-20	06-May-20	101.3	85.8	1.83	NW-21	0.94	0.06	0.1022	0.1259	64
NW-21	06-May-20	101.3	96.0	1.42	NW-21	0.94	0.06	0.0793	0.0976	49
NW-22	06-May-20	101.2	98.8	0.41	NW-21	0.94	0.06	0.0229	0.0281	14
NW-23	06-May-20	101.2	97.6	0.50	NW-33	0.89	0.11	0.0557	0.0686	35
NW-24	06-May-20	101.2	96.6	1.24	NW-15	0.77	0.23	0.2801	0.3449	175
NW-25	06-May-20	101.3	76.3	1.95	NW-26	0.92	0.08	0.1588	0.1955	99
NW-26	06-May-20	101.3	76.9	3.80	NW-26	0.92	0.08	0.3095	0.3810	193
NW-27	06-May-20	101.3	83.3	1.10	NW-26	0.92	0.08	0.0898	0.1106	56
NW-27D	06-May-20	101.3	81.5	1.04	NW-26	0.92	0.08	0.0849	0.1045	53
NW-28	06-May-20	101.3	83.5	2.90	NW-28	0.87	0.13	0.3903	0.4805	243
NW-29	06-May-20	101.3	82.1	0.41	NW-26	0.92	0.08	0.0332	0.0408	21
NW-30	06-May-20	101.3	98.7	0.91	NW-30	0.96	0.04	0.0336	0.0414	21
NW-31	06-May-20	101.3	99.5	0.47	NW-30	0.96	0.04	0.0174	0.0215	11
NW-32	06-May-20	101.3	99.2	0.69	NW-33	0.89	0.11	0.0766	0.0943	48
NW-33	06-May-20	101.2	97.9	1.26	NW-33	0.89	0.11	0.1409	0.1734	88
NW-34	07-May-20	101.2	99.7	0.90	NW-34	0.95	0.05	0.0445	0.0548	28
NW-35	06-May-20	101.2	99.1	1.20	NW-36	0.67	0.33	0.3954	0.4868	247
NW-36	06-May-20	101.2	98.4	1.50	NW-36	0.67	0.33	0.4966	0.6114	310
NW-37	06-May-20	101.2	100.9	0.87	NW-36	0.67	0.33	0.2892	0.3561	180

Table 1. Summary of Sitewide NSZD Measurements, May 2020

SFPP Norwalk Pump Station, Norwalk, California

Location	Date	Pressure (kPa)	Temperature (°F)	Total CO ₂ Efflux (μmol/m ² /s)	Closest ¹⁴ C Sample	Normalized ¹⁴ C	¹⁴ C Fossil Fuel Fraction	¹⁴ C Corrected CO ₂ Efflux (μmol/m ² /s)	Estimated Hydrocarbon Degradation (g/m ² /day)	Estimated Hydrocarbon Degraded (gallon/acre/year)
NW-38	06-May-20	101.2	99.4	1.46	NW-36	0.67	0.33	0.4816	0.5929	300
NW-38D	06-May-20	101.2	99.7	0.97	NW-36	0.67	0.33	0.3222	0.3967	201
NW-39	06-May-20	101.1	100.6	0.87	NW-36	0.67	0.33	0.2876	0.3541	179
Southeastern Area										
NW-40	05-May-20	101.5	72.8	1.11	NW-40	0.59	0.41	0.4584	0.5644	286
NW-41	05-May-20	101.5	73.2	1.15	NW-40	0.59	0.41	0.4744	0.5841	296
NW-42	05-May-20	101.5	71.4	1.03	NW-40	0.59	0.41	0.4222	0.5198	263
NW-43	05-May-20	101.5	69.2	1.55	NW-55	0.89	0.11	0.1679	0.2067	105
NW-43D	05-May-20	101.5	69.4	1.80	NW-55	0.89	0.11	0.1955	0.2407	122
NW-44	05-May-20	101.5	68.0	0.89	NW-55	0.89	0.11	0.0969	0.1193	60
NW-45	05-May-20	101.5	76.3	4.45	NW-46	0.94	0.06	0.2852	0.3511	178
NW-46	05-May-20	101.5	72.2	2.10	NW-46	0.94	0.06	0.1346	0.1657	84
NW-47	05-May-20	101.5	84.1	1.80	NW-40	0.59	0.41	0.7393	0.9102	461
NW-48	05-May-20	101.5	79.9	5.52	NW-46	0.94	0.06	0.3533	0.4350	220
NW-48D	05-May-20	101.5	85.0	8.03	NW-46	0.94	0.06	0.5140	0.6328	321
NW-49	05-May-20	101.5	87.8	5.17	NW-46	0.94	0.06	0.3311	0.4077	207
NW-50	05-May-20	101.5	83.0	7.24	NW-55	0.89	0.11	0.7841	0.9654	489
NW-51	05-May-20	101.5	87.9	9.15	NW-51	0.96	0.04	0.3492	0.4299	218
NW-52	05-May-20	101.5	85.1	11.43	NW-51	0.96	0.04	0.4361	0.5370	272
NW-53	05-May-20	101.5	89.5	10.32	NW-53	0.97	0.03	0.3564	0.4388	222
NW-54	05-May-20	101.5	89.4	8.12	NW-53	0.97	0.03	0.2807	0.3456	175
NW-55	05-May-20	101.5	80.0	5.06	NW-55	0.89	0.11	0.5486	0.6754	342

Notes:

Octane (C₈H₁₈) was used as the representative hydrocarbon.

NSZD results represent order of magnitude values and may vary from reporting period to reporting period as additional site information is added and analytical methods are refined; however, the overall conclusions drawn from the NSZD results do not change the remedial implications except when noted.

°F = degrees Fahrenheit

μmol/m²/s = micromoles per square meter per second

¹⁴C = radiocarbon

g/m²/d = grams per square meter per day

kPa = kilo Pascals

Table 2. Quality Assurance and Quality Control of LI-COR Total CO₂ Efflux*SFPP Norwalk Pump Station, Norwalk, California*

Location	Parent CO ₂ Efflux (μmol/m ² /s)	Replicate CO ₂ Efflux (μmol/m ² /s)	Difference in Efflux (μmol/m ² /s)	RPD
NW-08	2.85	2.03	0.82	34%
NW-27	1.10	1.04	0.06	6%
NW-38	1.46	0.97	0.48	40%
NW-43	1.55	1.80	0.25	15%
NW-48	5.52	8.03	2.51	37%

Notes:

RPD = relative percent difference = $|Parent-Replicate|/((Parent + Replicate)/2)$ μmol/m²/s = micromole per meter squared per second**Table 3. Comparative Results of E-Flux Trap and ¹⁴BaCO₃ Sampling Techniques***SFPP Norwalk Pump Station, Norwalk, California*

Location	E-Flux Trap	¹⁴ BaCO ₃ Sample	RPD
NW-26	0.92	0.92	0.3%
NW-46	0.95	0.94	1.0%
NW-53	0.97	0.97	0.1%
NW-55	0.95	0.89	6.3%

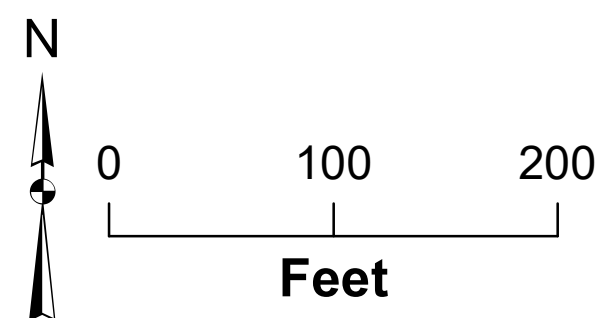
Notes:

RPD = relative percent difference = $|Parent-Replicate|/((Parent + Replicate)/2)$ μmol/m²/s = micromole per meter squared per second

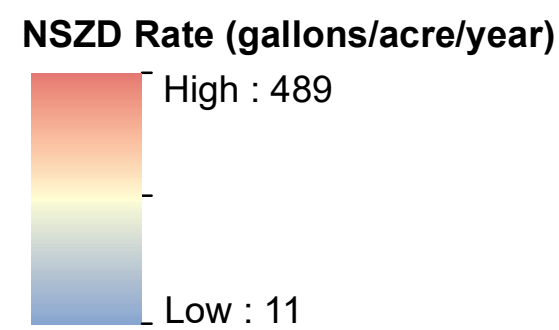
Figure



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



- Legend**
- LICOR Only
 - BaCO₃
 - Both ¹⁴C Methods
 - E-Flux
 - 50 gallons/acre/year Contour



- ▭ Inferred May 2020 Groundwater TPH Concentrations
- ▭ Inferred May 2020 extent of LNAPL

Figure 1. Measured NSZD Rates May 2020
 SFPP Norwalk Pump Station
 Natural Source Zone Depletion
 Technical Memorandum

Appendix B.1. Soil Vapor Monitoring Details
SFPP Norwalk Pump Station, Norwalk, California

LOCATION	EASTING	NORTHING	TOS	BOS
SV-10S	6540267.797	1782708.769	5	5.5
SV-12S	6539753.345	1782829.667	5	5.5
SV-14S	6540106.046	1782578.069	5	5.5
SV-17S	6541215.289	1782771.241	5	5.5
SV-2SS	6541235.093	1782827.926	0	0.5
SV-4S	6540608.994	1782810.542	5	5.5
SV-6S	6540261.953	1782812.013	5	5.5
SV-7AS	6540091.235	1782773.231	5.5	6
SV-7ASS	6540091.235	1782773.231	0	0.5
SV-7SS	6540091.235	1782773.231	0	0.5
SV-8ASS	6540091.768	1782718.355	0	0.5
SV-8S	6540091.768	1782718.355	5.5	6
SV-8SS	6540091.768	1782718.355	0	0.5
SV-9SS	6540148.554	1782688.239	0	0.5
SVM-01D	6539934.158	1782751.202	14.5	15
SVM-01S	6539934.158	1782751.202	5	5.5
SVM-02D	6539915.418	1782654.309	14.5	15
SVM-02S	6539915.418	1782654.309	5	5.5
SVM-03D	6540352.913	1782727.013	15	15.5
SVM-03S	6540352.913	1782727.013	5	5.5
SVM-04D	6540443.669	1782822.529	14.5	15
SVM-04S	6540443.669	1782822.529	5	5.5
SVM-05D	6540258.286	1782817.347	15.5	16
SVM-05S	6540258.286	1782817.347	5	5.5
SVM-06D	6540063.541	1782775.007	16	16.5
SVM-06S	6540063.541	1782775.007	6.5	7
SVM-07D	6540126.172	1782701.947	13.25	13.75
SVM-07S	6540126.172	1782701.947	7	7.5
SVM-08D	6540256.879	1782712.476	15	15.5
SVM-08S	6540256.879	1782712.476	5	5.5
SVM-09D	6541218.214	1782917.453	14.5	15
SVM-09S	6541218.214	1782917.453	5	5.5
SVM-10D	6540114.074	1782567.878	15.5	16
SVM-10S	6540114.074	1782567.878	7.5	8
SVM-11D	6540094.409	1783048.449	22	22.5
SVM-11M	6540094.409	1783048.449	15	15.5
SVM-11S	6540094.409	1783048.449	7	7.5
SVM-12D	6539846.272	1782941.099	22	22.5
SVM-12M	6539846.272	1782941.099	15	15.5
SVM-12S	6539846.272	1782941.099	7	7.5
SVM-13D	6540111.667	1782935.598	23	23.5
SVM-13M	6540111.667	1782935.598	15.5	16
SVM-13S	6540111.667	1782935.598	7	7.5
SVM-14D	6540263.685	1782908.941	22	22.5
SVM-14M	6540263.685	1782908.941	15	15.5
SVM-14RD	6540263.685	1782908.941	23	23.5
SVM-14RM	6540263.685	1782908.941	16	16.5
SVM-14RS	6540263.685	1782908.941	8	8.5
SVM-14S	6540263.685	1782908.941	7	7.5
SVM-15D	6540050.251	1782841.391	22	22.5
SVM-15M	6540050.251	1782841.391	15	15.5

Appendix B.1. Soil Vapor Monitoring Details
SFPP Norwalk Pump Station, Norwalk, California

LOCATION	EASTING	NORTHING	TOS	BOS
SVM-15S	6540050.251	1782841.391	7	7.5
SVM-16D	6540255.489	1782631.499	22	22.5
SVM-16M	6540255.489	1782631.499	15.5	16
SVM-16S	6540255.489	1782631.499	7	7.5
SVM-17D	6541150.721	1782934.107	10	10.5
SVM-17S	6541150.721	1782934.107	5	5.5
SVM-18D	6541173.614	1783140.197	10	10.5
SVM-18S	6541173.614	1783140.197	5	5.5
SVM-19D	6541044.618	1783056.483	10	10.5
SVM-19S	6541044.618	1783056.483	5	5.5
SVM-20D	6541168.995	1783039.791	10	10.5
SVM-20S	6541168.995	1783039.791	5	5.5
SVM-21D	6541178.744	1782873.691	14.5	15
SVM-21S	6541178.744	1782873.691	5	5.5
SVM-22D	6541265.209	1782872.123	14.5	15
SVM-22S	6541265.209	1782872.123	5	5.5
SVM-23D	6541353.950	1782871.308	14.5	15
SVM-23S	6541353.950	1782871.308	5	5.5
SVM-24D	6541189.441	1782750.500	10	10.5
SVM-24S	6541189.441	1782750.500	5	5.5
SVM-25D	6541358.591	1782748.693	10	10.5
SVM-25S	6541358.591	1782748.693	5	5.5
SVP-105D	6539634.209	1782925.319	10	10.5
SVP-105S	6539634.209	1782925.319	5	5.5
SVP-106D	6539730.236	1782930.562	10	10.5
SVP-106S	6539730.236	1782930.562	5	5.5
SVP-107D	6539946.272	1782906.510	10	10.5
SVP-107S	6539946.272	1782906.510	5	5.5
SVP-108D	6540562.436	1782924.664	10	10.5
SVP-108S	6540562.436	1782924.664	5	5.5
SVP-109D	6540729.130	1782904.636	10	10.5
SVP-109S	6540729.130	1782904.636	5	5.5

Appendix B.2. Helium Diffusion Calculations
SFPP Norwalk Pump Station, Norwalk, California

Location	Probe Location	Depth (m)	Average CO2 Concentration (2014-2021)	NSZD Rate using Ficks Law (gCO2/m2day)	CO2 into Octane Correction of NSZD Rate (grams octane/m2day)	Applied C14 Correction Rate	NSZD Rate using Ficks Law (gCO2/m2day)	CO2 into Octane Correction of NSZD Rate (grams octane/m2day)	Gallons Hydrocarbon per Acre per year
SVM-01D	Offsite South Central	4.57	0.30	0.01	0.00	0.56	0.01	0.00	0.65
SVM-02D	Offsite South Central	4.57	1.19	0.74	0.21	0.56	0.32	0.09	36.12
SVM-03D	Offsite South Central	4.72	0.48	0.20	0.06	0.56	0.09	0.03	9.97
SVM-05D	Offsite South Central	4.88	0.19	0.01	0.00	0.56	0.00	0.00	0.42
SVM-06D	Offsite South Central	5.03	0.27	0.07	0.02	0.56	0.03	0.01	3.59
SVM-07D	Offsite South Central	4.19	0.69	0.21	0.06	0.56	0.09	0.03	10.14
SVM-08D	Offsite South Central	4.72	0.23	0.01	0.00	0.56	0.01	0.00	0.71
SVM-10D	Offsite South Central	4.88	3.43	3.81	1.09	0.56	1.68	0.48	186.37
SVM-15D	Offsite South Central	6.86	0.47	0.21	0.06	0.56	0.09	0.03	10.42
SVM-15M	Offsite South Central	4.72	0.30	0.04	0.01	0.56	0.02	0.00	1.87
SVM-16D	Offsite South Central	6.86	8.64	10.77	3.07	0.56	4.74	1.35	527.10
SVM-16M	Offsite South Central	4.88	0.98	0.64	0.18	0.56	0.28	0.08	31.42
SVM-11D	South Central Onsite	6.86	4.74	3.86	1.10	0.56	1.70	0.48	189.04
SVM-11M	South Central Onsite	4.72	1.78	1.20	0.34	0.56	0.53	0.15	58.58
SVM-12D	South Central Onsite	6.86	8.20	6.29	1.79	0.56	2.77	0.79	307.98
SVM-12M	South Central Onsite	4.72	3.38	2.40	0.68	0.56	1.06	0.30	117.41
SVM-13D	South Central Onsite	7.16	1.70	1.89	0.54	0.56	0.83	0.24	92.25
SVM-13M	South Central Onsite	4.88	0.15	0.00	0.00	0.56	0.00	0.00	0.22
SVM-14D	South Central Onsite	6.86	6.49	5.51	1.57	0.56	2.42	0.69	269.40
SVM-14M	South Central Onsite	4.72	2.27	1.78	0.51	0.56	0.78	0.22	87.02
SVM-14RD	South Central Onsite	7.16	3.50	2.53	0.72	0.56	1.11	0.32	123.59
SVM-14RM	South Central Onsite	5.03	1.56	0.78	0.22	0.56	0.34	0.10	38.03
SVP-105D	South Central Onsite	3.20	1.43	0.55	0.16	0.56	0.24	0.07	26.84
SVP-106D	South Central Onsite	3.20	1.15	0.37	0.10	0.56	0.16	0.05	17.89
SVP-107D	South Central Onsite	3.20	0.22	1.16	0.33	0.56	0.51	0.15	56.96
SVP-108D	South Central Onsite	3.20	5.67	8.93	2.55	0.56	3.93	1.12	437.03
SVP-109D	South Central Onsite	3.20	1.79	0.09	0.02	0.56	0.04	0.01	4.18
SVM-09D	Southeastern	4.57	2.25	1.50	0.43	0.56	0.66	0.19	73.23
SVM-17D	Southeastern	3.20	0.55	0.50	0.14	0.56	0.22	0.06	24.57
SVM-18D	Southeastern	3.20	1.62	2.13	0.61	0.56	0.94	0.27	104.43
SVM-20D	Southeastern	3.20	1.85	0.50	0.14	0.56	0.22	0.06	24.42
SVM-21D	Southeastern	4.57	1.15	0.30	0.09	0.56	0.13	0.04	14.81
SVM-22D	Southeastern	4.57	0.90	0.05	0.01	0.56	0.02	0.01	2.24
SVM-23D	Southeastern	4.57	0.80	0.03	0.01	0.56	0.01	0.00	1.32
SVM-24D	Southeastern	3.20	2.56	2.29	0.65	0.56	1.01	0.29	111.83
SVM-25D	Southeastern	3.20	2.74	1.04	0.30	0.56	0.46	0.13	51.06

Appendix C
BS-02 Narrative and Operations Data

Appendix C. BS-02 Narrative and Operations Data
 SFPP Norwalk Pump Station, Norwalk, California

Date	Operational Data						VOC Mass Removal				O2 Calculations					
	SVE Influent Max of CO2 (%)	SVE Influent Max of O2 (%)	SVE Influent Max of VOCs (ppmv)	Max of SVE Influent Flow (scfm)	Operational Efficiency	Corrected SVE Flow (scfm)	Removal Rate (VOC ppm/ft3/minute)	VOC Mass Removal Rate (lb/minute)	VOC Mass Removal Rate (lb/day)	Cumulative Equivalent Mass Removed (lbs)	O2 Depletion (%)	O2 Depletion (lbs/minute)	Equivalent Mass Consumed by O2 (lbs/minute)	Equivalent Mass Consumed by O2 (lbs/day)	Cumulative Equivalent Mass Consumed by O2 (lbs)	Difference O2 vs CO2
5/15/20 11:30	2.40	17.20	0.00	196.00	0.00	0.31	0.00	0.00000	0.00	0	5.3	0.00	0.00	0.51	0	0
5/15/20 12:46	2.70	17.70	263.50	188.00	0.00	0.29	77.40	0.00002	0.02	0	4.8	0.00	0.00	0.44	0	0
5/18/20 8:20	2.20	19.30	563.00	166.00	0.00	0.26	146.03	0.00003	0.05	0	3.2	0.00	0.00	0.26	1	0
5/18/20 8:20	2.20	19.30	0.00	166.00	0.00	0.26	0.00	0.00000	0.00	0	3.2	0.00	0.00	0.26	1	0
5/18/20 11:58	1.60	19.20	655.00	160.00	0.00	0.25	163.75	0.00004	0.05	0	3.3	0.00	0.00	0.26	1	0
5/20/20 8:25	1.70	18.20	403.00	168.00	1.00	168.00	67704.00	0.01488	21.42	20	4.3	0.55	0.16	225.61	210	-209
5/20/20 8:25	1.70	18.20	0.00	168.00	1.00	168.00	0.00	0.00000	0.00	20	4.3	0.55	0.16	225.61	210	-209
5/20/20 11:18	1.50	18.80	252.00	168.00	1.00	168.00	42336.00	0.00930	13.40	21	3.7	0.48	0.13	194.13	235	-223
5/22/20 14:15	1.30	18.80	533.00	179.00	1.00	179.00	95407.00	0.02097	30.19	67	3.7	0.51	0.14	206.84	661	-472
5/22/20 14:15	1.30	18.80	0.00	179.00	1.00	179.00	0.00	0.00000	0.00	67	3.7	0.51	0.14	178.89	661	-472
5/26/20 8:46	1.10	18.70	526.00	168.00	1.00	168.00	88368.00	0.01942	27.96	120	3.8	0.49	0.14	199.38	1427	-949
5/26/20 14:18	1.00	18.50	397.00	177.00	1.00	177.00	70269.00	0.01544	22.24	126	4	0.54	0.15	221.11	1476	-984
5/27/20 8:10	1.20	18.90	383.00	168.00	1.00	168.00	64344.00	0.01414	20.36	141	3.6	0.46	0.13	188.88	1628	-1093
5/29/20 9:13	1.20	19.20	368.00	168.00	1.00	167.22	61537.78	0.01352	19.47	182	3.3	0.42	0.12	172.34	1997	-1326
6/3/20 14:48	5.40	19.20	1129.00	172.00	1.00	172.00	194188.00	0.04267	61.45	394	3.3	0.43	0.12	177.27	2912	-1895
6/4/20 10:08	0.80	19.90	687.10	180.00	1.00	180.00	123678.00	0.02718	39.14	434	2.6	0.36	0.10	146.16	3042	-1779
6/5/20 13:00	1.10	19.00	1300.00	180.00	1.00	180.00	234000.00	0.05142	74.05	498	3.5	0.48	0.14	196.75	3234	-1918
6/5/20 13:00	1.10	19.00	0.00	180.00	1.00	180.00	0.00	0.00000	0.00	498	3.5	0.48	0.14	196.75	3234	-1918
6/10/20 10:45	1.10	19.00	1050.00	224.00	1.00	224.00	235200.00	0.05168	74.43	680	3.5	0.60	0.17	244.85	4317	-2681
6/23/20 10:30	1.80	18.40	323.00	206.00	1.00	205.18	66273.96	0.01456	20.97	1300	4.1	0.64	0.18	262.73	7614	-4923
6/24/20 11:20	1.00	18.90	650.00	205.00	0.99	203.78	132456.85	0.02911	41.91	1332	3.6	0.56	0.16	229.11	7869	-5052
6/26/20 7:45	1.30	17.80	706.00	212.00	0.99	210.74	148781.10	0.03269	47.08	1415	4.7	0.76	0.21	309.33	8367	-5426
6/30/20 12:49	1.50	19.10	560.00	202.92	1.00	202.92	113635.20	0.02497	35.96	1590	3.4	0.53	0.15	215.47	9472	-6150
7/6/20 11:34	1.10	19.20	575.00	209.00	1.00	209.00	120175.00	0.02641	38.03	1810	3.3	0.53	0.15	215.40	10753	-6835
7/8/20 13:02	1.20	18.50	98.80	208.00	0.95	197.18	19481.08	0.00428	6.16	1855	4	0.60	0.17	246.32	11229	-7155
7/10/20 14:30	0.90	19.00	638.50	209.68	0.95	198.77	126914.32	0.02789	40.16	1903	3.5	0.53	0.15	217.27	11707	-7472
7/14/20 10:30	0.70	19.30	699.10	205.70	0.95	195.00	136322.12	0.02996	43.14	2000	3.2	0.48	0.14	194.88	12529	-7996
7/17/20 8:13	0.70	19.30	699.10	205.70	0.95	195.00	136322.12	0.02996	43.14	2184	3.2	0.48	0.14	194.88	13095	-8464
7/24/20 13:30	0.80	19.60	675.00	210.00	0.97	204.54	138062.09	0.03034	43.69	2497	2.9	0.45	0.13	185.25	14468	-9511
8/4/20 13:35	1.00	17.30	152.60	226.83	0.95	216.52	33040.88	0.00726	10.46	2795	5.2	0.86	0.24	351.63	17421	-11872
8/21/2020 15:25	0.80	19.70	340.00	150.00	1.00	149.56	50850.00	0.01117	16.09	3022	2.8	0.32	0.09	130.78	21540	-14772
9/17/2020 8:10	0.80	19.50	320.00	200.00	0.96	191.74	61358.20	0.01348	19.42	3496	3	0.44	0.12	179.65	25684	-17864
9/29/2020 13:30	0.30	21.50	70.00	221.00	0.99	219.85	15389.80	0.00338	4.87	3644	1	0.17	0.05	68.66	27202	-18764
10/15/2020 10:30	0.70	19.80	801.00	169.00	0.92	155.02	124171.81	0.02729	39.29	3994	2.7	0.32	0.09	130.72	28784	-20012
10/30/2020 12:20	1.10	19.20	1346.00	230.43	0.85	195.01	262487.41	0.05768	83.06	4917	3.3	0.49	0.14	200.98	31285	-21962
11/4/2020 9:12	0.80	19.80	354.50	273.22	1.00	273.22	96856.49	0.02128	30.65	5194	2.7	0.56	0.16	230.39	32335	-22660
12/30/20 11:16	0.30	20.30	144.50	272.29	0.76	206.28	29807.73	0.00655	9.43	6318	2.2	0.35	0.10	141.73	42770	-28970
1/5/21 9:00	1.30	19.60	373.00	225.00	0.97	218.25	81407.25	0.01789	25.76	6422	2.9	0.48	0.14	197.67	43773	-29836
2/23/21 10:00	1.00	20.90	106.00	229.33	0.97	222.45	23579.71	0.00518	7.46	7236	1.6	0.27	0.08	111.16	51345	-32234
5/5/21 8:30	0.00	18.00	380.00	205.00	0.97	198.24	75329.30	0.01655	23.84	8346	4.5	0.68	0.19	278.60	65169	-40190
5/27/21 8:55	1.40	19.43	255.06	257.40	0.98	250.97	64011.04	0.01407	20.26	8832	3.1	0.59	0.17	241.00	70889	-45910
6/22/21 8:10	0.90	19.60	219.50	220.00	1.00	219.34	48145.13	0.01058	15.23	9292	2.9	0.49	0.14	198.66	76598	-48231
7/9/21 9:08	0.90	18.70	336.00	140.00	0.99	138.60	46569.60	0.01023	14.74	9548	3.8	0.40	0.11	164.49	79692	-50074
8/4/21 12:05	--	--	220.00	130.00	1.00	130.00	28600.00	0.00628	9.05	9859	--	--	--	--	81840	--
9/24/21 14:30	0.30	22.50	190.20	129.00	1.00	129.00	24535.80	0.00539	7.76	10288	0	0.00	0.00	0.00	86043	-54055

Appendix C. BS-02 Narrative and Operations Data

SFPP Norwalk Pump Station, Norwalk, California

Date	Biodegradation							Cumulative Mass Removed (lbs)	Flow (scfm)
	CO2			C14 Correction Applied					
	CO2 Production (scf/minute)	CO2 Production (lbs/minute)	C14 Correction Factor Based on BaCO3	Equivalent Mass Biodegraded by CO2 (lbs/minute) C14 Corrected	Equivalent Mass Biodegraded by CO2 (lbs/day) C14 Corrected	Cumulative Equivalent Mass Consumed by CO2 (lbs)	Total Biodegraded Mass (lbs) C14 Corrected		
5/15/20 11:30	0.01	0.00	0.57	0.00	0.24	0	0	0	0
5/15/20 12:46	0.01	0.00	0.57	0.00	0.26	0	0	0	26
5/18/20 8:20	0.01	0.00	0.57	0.00	0.19	1	1	1	23
5/18/20 8:20	0.01	0.00	0.57	0.00	0.19	1	1	1	30
5/18/20 11:58	0.00	0.00	0.57	0.00	0.13	1	1	1	70
5/20/20 8:25	2.86	0.35	0.57	0.07	94.10	1	175	195	70
5/20/20 8:25	2.86	0.35	0.57	0.07	94.10	1	175	195	100
5/20/20 11:18	2.52	0.31	0.57	0.06	83.03	12	185	206	100
5/22/20 14:15	2.33	0.29	0.57	0.05	76.67	189	348	415	100
5/22/20 14:15	2.33	0.29	0.57	0.05	76.67	189	348	415	135
5/26/20 8:46	1.85	0.23	0.57	0.04	60.89	478	577	697	135
5/26/20 14:18	1.77	0.22	0.57	0.04	58.32	492	591	716	135
5/27/20 8:10	2.02	0.25	0.57	0.05	66.42	535	640	782	135
5/29/20 9:13	2.01	0.25	0.57	0.05	66.11	671	775	957	135
6/3/20 14:48	9.29	1.14	0.57	0.21	306.01	1017	2376	2770	135
6/4/20 10:08	1.44	0.18	0.57	0.03	47.44	1263	2415	2849	135
6/5/20 13:00	1.98	0.24	0.57	0.05	65.23	1317	2488	2985	135
6/5/20 13:00	1.98	0.24	0.57	0.05	65.23	1317	2488	2985	100
6/10/20 10:45	2.46	0.30	0.57	0.06	81.18	1637	2886	3566	100
6/23/20 10:30	3.69	0.45	0.57	0.08	121.68	2691	4467	5766	3
6/24/20 11:20	2.04	0.25	0.57	0.05	67.14	2817	4536	5868	70
6/26/20 7:45	2.74	0.34	0.57	0.06	90.26	2941	4703	6118	100
6/30/20 12:49	3.04	0.37	0.57	0.07	100.28	3321	5125	6715	100
7/6/20 11:34	2.30	0.28	0.57	0.05	75.75	3918	5576	7386	100
7/8/20 13:02	2.37	0.29	0.57	0.05	77.96	4074	5737	7592	105
7/10/20 14:30	1.79	0.22	0.57	0.04	58.94	4235	5858	7761	129
7/14/20 10:30	1.36	0.17	0.57	0.03	44.97	4533	6031	8031	160
7/17/20 8:13	1.36	0.17	0.57	0.03	44.97	4632	6161	8345	185
7/24/20 13:30	1.64	0.20	0.57	0.04	53.91	4956	6550	9047	180
8/4/20 13:35	2.17	0.27	0.57	0.05	71.34	5550	7335	10130	162
8/21/2020 15:25	1.20	0.15	0.57	0.03	39.42	6768	8008	11030	170
9/17/2020 8:10	1.53	0.19	0.57	0.04	50.54	7820	9358	12853	180
9/29/2020 13:30	0.66	0.08	0.55	0.01	21.08	8438	9615	13259	180
10/15/2020 10:30	1.09	0.13	0.58	0.03	36.52	8773	10195	14190	174
10/30/2020 12:20	2.15	0.26	0.58	0.05	72.19	9323	11284	16200	83
11/4/2020 9:12	2.19	0.27	0.58	0.05	73.56	9675	11642	16835	188
12/30/20 11:16	0.62	0.08	0.65	0.02	23.01	13801	12933	19250	170
1/5/21 9:00	2.84	0.35	0.65	0.07	105.52	13936	13556	19977	170
2/23/21 10:00	2.22	0.27	0.65	0.06	82.73	19111	17613	24849	170
5/5/21 8:30	0.00	0.00	0.65	0.00	0.00	24980	17613	25959	170
5/27/21 8:55	3.51	0.43	0.65	0.09	130.44	24980	20485	29316	170
6/22/21 8:10	1.97	0.24	0.65	0.05	73.41	28367	22391	31684	180
7/9/21 9:08	1.25	0.15	0.65	0.03	46.39	29618	23182	32730	160
8/4/21 12:05	--	--	0.65	--	--	--	--	--	170
9/24/21 14:30	0.39	0.05	0.65	0.01	14.39	31988	23917	34205	185

Appendix D
HSVE-01 and BS-03 Narrative and Operations Data

Appendix D.1. HSVE-01 Narrative and Operations Data

SFPP Norwalk Pump Station, Norwalk, California

Location	Date	Time	Biosparge Flow (scfm)	SVE VOC (ppmv)	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	SVE Flow (scfm)	SVE Vacuum (in H2O)	Comment
HSVE-1	4/6/2021	12:25	0	381	13.4	6	1	323	28.3	Step 1
HSVE-1	4/6/2021	16:00	0	405	13.4	6.2	1.1	323	29.0	Step 1
HSVE-1	4/7/2021	7:35	0	406.6	15.5	5.6	0.8	323	24.3	Step 1
HSVE-1	4/7/2021	12:45	0	421.5	15.6	4.7	0.8	512	47.1	Step 2
HSVE-1	4/7/2021	15:25	0	418	16.2	4.4	0.8	512	48.1	Step 2
HSVE-1	4/8/2021	7:35	0	425	17.1	4	0.6	512	48.2	Step 2
HSVE-1	4/8/2021	11:00	0	401.1	17.5	3.4	0.6	512	48.2	Step 2
HSVE-1	4/8/2021	12:00	0	398.1	17	3.4	0.6	560	55.0	Step 3
HSVE-1	4/8/2021	15:00	0	414.2	17.9	3.3	0.6	560	55.0	Step 3
HSVE-1	4/15/2021	9:00	0	421	17.7	3.5	0.6	560	55.0	
HSVE-1	4/21/2021	13:00	0	408	17.5	3.4	0.5	560	55.0	
HSVE-1	4/28/2021	11:00	0	340	19.9	1.4	0.5	550	55.0	Step 3 continued
HSVE-1	5/5/2021	9:00	0	390	18.9	1.3	0.5	550	55.0	
HSVE-1	5/5/2021	15:45	0	418	18.9	1.3	0.5	550	55.0	
HSVE-1	5/11/2021	16:45	45	1200	20.1	0.8	0.5	560	56.0	
HSVE-1	5/12/2021	8:15	45	422	19.9	1.3	0.1	500	56.0	
HSVE-1	5/12/2021	15:00	100	2000	20.2	1	0.5	500	56.0	
HSVE-1	5/13/2021	9:00	100	431.8	19.8	1.3	1.1	457	54.0	
HSVE-1	5/13/2021	14:52	100	5000	19.8	1	1	457	55.0	
HSVE-1	5/14/2021	8:30	50	5000	19.9	1.1	0.4	457	55.0	
HSVE-1	5/14/2021	14:18	50	4852	19.8	0.2	0.8	457	55.0	
HSVE-1	5/18/2021	9:00	50	1410	17.4	1.9	1	500	55.0	
HSVE-1	5/18/2021	12:52	50	1900	18.7	1.2	0.5	500	55.0	
HSVE-1	5/18/2021	15:30	50	2650	19.5	1.2	0.5	500	55.0	
HSVE-1	5/19/2021	9:30	50	440	19.7	1.2	1.1	457	49.0	
HSVE-1	5/19/2021	13:10	100	4830	20	0.9	0.6	470	49.0	
HSVE-1	5/19/2021	16:15	100	390	19.9	0.8	0.6	485	49.0	
HSVE-1	5/20/2021	9:30	100	455	19.6	1.4	1.2	500	56.0	
HSVE-1	5/20/2021	11:49	100	475	19.5	0.9	0.8	500	56.0	
HSVE-1	5/26/2021	11:02	100	415	19.3	1.2	1.1	460	54.0	
HSVE-1	5/26/2021	12:15	150	395	18.9	1.1	1.2	460	54.0	
HSVE-1	5/26/2021	14:01	150	418	19.4	0.9	0.9	530	54.0	
HSVE-1	5/27/2021	7:48	150	374.2	19.5	1.2	1.3	600	56.0	
HSVE-1	5/27/2021	11:20	200	379.1	19.2	1	1	600	54.5	
HSVE-1	5/28/2021	10:15	100	335	18.5	1.3	1.1	510	53.5	
HSVE-1	5/28/2021	11:30	100	421	18.7	1	1.2	510	55.6	

Appendix D.1. HSVE-01 Narrative and Operations Data

SFPP Norwalk Pump Station, Norwalk, California

Location	Date	Time	Biosparge Flow (scfm)	SVE VOC (ppmv)	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	SVE Flow (scfm)	SVE Vacuum (in H2O)	Comment
HSVE-1	6/1/2021	12:40	100	386.2	18.5	1.2	1	600	56.0	SVE flow was between 500-600.
HSVE-1	6/1/2021	14:45	100	360.1	18.8	1	0.5	600	56.0	SVE flow was between 500-600.
HSVE-1	6/10/2021	10:35	200	468.3	18	1.3	0.8	600	56.0	SVE flow was between 500-600.
HSVE-1	6/10/2021	12:58	200	472.5	18.1	1.4	0.8	600	55.0	SVE flow was between 500-600.
HSVE-1	6/10/2021	15:09	200	442.5	18.5	1	0.6	600	55.0	SVE flow was between 500-600.
HSVE-1	6/11/2021	7:55	300	441	19.4	1.4	1	600	56.0	SVE flow was between 500-600.
HSVE-1	6/11/2021	10:28	300	468	19.1	0.9	0.6	600	56.0	SVE flow was between 500-600.
HSVE-1	6/22/2021	7:55	200	344.9	18.8	1.3	0.4	600	56.0	SVE flow was between 500-600.
HSVE-1	6/25/2021	8:45	250	354	16.6	1.6	0.6	510	54.5	SVE flow was between 460-510.
HSVE-1	6/25/2021	11:02	250	405	19.2	1	0.5	550	55.1	SVE flow was between 450-550.
HSVE-1	6/28/2021	11:00	250	422	18.4	1.1	0.5	600	56.0	SVE flow was between 450-600.
HSVE-1	6/28/2021	11:10	250	424	18.3	1.1	0.5	600	56.0	SVE flow was between 450-600.
HSVE-1	6/28/2021	13:50	250	415	18.4	1	0.6	600	56.0	SVE flow was between 450-600.
HSVE-1	7/23/2021	8:00	130	421	19.7	1.3	0.3	600	56	SVE flow was between 500-600.
HSVE-1	7/23/2021	9:00	130	408	19.8	1.3	0.2	600	56	SVE flow was between 500-600.
HSVE-1	8/6/2021	9:25	275	365	19.1	--	--	555	56.45	SVE flow was between 470 and 555.
HSVE-1	8/31/2021	7:45	200	52.1	19.6	0.9	0.2	450	51.5	Check Drip Legs. Low VOCs.
HSVE-1	8/31/2021	10:45	250	408	18.4	1.1	0.4	500	51.5	Jame Dye Drained DLs for HSVE-1. BS-03 up to 250 scfm @ 8:30
HSVE-1	9/1/2021	7:45	250	195	19.5	1	0.2	450	51.4	DL could be full again, to be cleared Thursday (9/2)
HSVE-1	9/1/2021	8:00	250	202	19.5	1.1	0.1	450	51.5	
HSVE-1	9/9/2021	9:05	150	208	19.5	1.1	0.1	500	51.3	
HSVE-1	9/9/2021	12:45	150	215	19.4	1.1	0.1	500	51.5	
HSVE-1	9/16/2021	11:00	275	238.9	19.3	1.6	0.2	550	53.5	BS-03 Flow recovering from 250-300 scfm. Avg. 225 scfm
HSVE-1	9/21/2021	13:45	200	72.4	21	0.8	0	200	54.5	Variable flow (100-200;450-500). James Dye removed 12 gal (total) in 2 rounds of DL clearing. 6 gal total from DL #1
HSVE-1	9/21/2021	14:45	200	1100	19.4	0.8	0.1	500	54	Water in tedlar & sample line
HSVE-1	9/21/2021	14:55	200	1090	19.6	1.2	0.3	500	54.5	Water in tedlar & sample line
HSVE-1	9/30/2021	16:30	250	1312	20.1	0.6	0.05	400	52	400 scfm average flow (varied from 160-530 scfm)

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-02S	160	4/7/2021	12:33	20.1	0.7	0	0.1	21.1
SVM-03D	10	4/7/2021	12:40	20.9	0.3	0	0.2	21.1
SVM-03S	10	4/7/2021	12:41	20.9	0.3	0	0.3	21.1
SVM-05D	130	4/7/2021	12:51	20.8	0.1	0	0.1	21.1
SVM-05S	130	4/7/2021	12:50	20.9	0.1	0	0.2	21.1
SVM-06D	180	4/7/2021	13:42	20	0.1	0	4	21.1
SVM-06S	180	4/7/2021	13:45	19.7	0.1	0	2.4	21.1
SVM-07D	80	4/7/2021	13:25	19.9	0.2	0	5.3	21.1
SVM-07S	80	4/7/2021	13:28	19.1	0.5	0	4.1	21.1
SVM-08D	40	4/7/2021	12:56	20.9	0	0	0.1	21.1
SVM-08S	40	4/7/2021	12:55	20.8	0.2	0	0.2	21.1
SVM-10D	-20	4/7/2021	13:16	18.5	0.8	0	17.9	21.1
SVM-15D	250	4/7/2021	13:52	19	0.5	0	1.8	21.1
SVM-15M	250	4/7/2021	14:01	19.5	0.4	0	0.8	21.1
SVM-15S	250	4/7/2021	14:03	19.5	0.4	0	2	21.1
GMW-O-12	25	4/7/2021	14:23	20.9	0	0	36.5	21.1
GMW-O-21	40	4/7/2021	14:42	20.9	0	0	0.2	21.1
SVM-02S	160	4/8/2021	13:35	19.6	0.7	0	0.1	20.9
SVM-03D	10	4/8/2021	13:10	20.2	0.7	0	1.4	20.9
SVM-03S	10	4/8/2021	13:12	20.4	0.3	0	0.8	20.9
SVM-05D	130	4/8/2021	14:02	21.4	0	0	1.1	20.9
SVM-05S	130	4/8/2021	14:06	21.2	0	0	0.8	20.9
SVM-06D	180	4/8/2021	13:29	21.1	0.1	0	0.1	20.9
SVM-06S	180	4/8/2021	13:29	20.3	0.1	0	0.1	20.9
SVM-07D	80	4/8/2021	13:05	20.1	0.3	0	0.2	20.9
SVM-07S	80	4/8/2021	13:05	19.1	0.9	0	0	20.9
SVM-08D	40	4/8/2021	13:51	20.9	0.2	0	1.2	20.9
SVM-08S	40	4/8/2021	13:54	21	0	0	0.1	20.9
SVM-10D	-20	4/8/2021	12:55	16.1	2.7	1.1	0.4	20.9
SVM-15D	250	4/8/2021	14:00	19.9	0.3	0	0.1	20.9
SVM-15M	250	4/8/2021	14:05	19.7	0.5	0	0.1	20.9
SVM-15S	250	4/8/2021	14:13	19.8	0	0	0.1	20.9
SVM-16D	-20	4/8/2021	13:38	20.4	1.1	0	5.4	20.9
SVM-16M	-20	4/8/2021	13:42	20.4	0.7	0	2.1	20.9
SVM-16S	-20	4/8/2021	13:45	20.8	0.5	0	1.5	20.9
GMW-O-11	200	4/8/2021	14:20	20.9	0	0	0.5	20.9
GMW-O-12	25	4/8/2021	14:38	20.9	0.1	0	7.4	20.9

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
GMW-O-2	160	4/8/2021	13:28	20.4	0	0	5.8	20.9
GMW-O-3	-90	4/8/2021	14:12	21.5	0	0	0.9	20.9
GMW-O-5	-150	4/8/2021	12:48	20.4	0	0	4.9	20.9
MW-SF-9	130	4/8/2021	14:58	20.9	0	0	2.8	20.9
SVM-1D	230	4/15/2021	10:10	20.3	0.8	0	0	21.2
SVM-1S	230	4/15/2021	10:12	19.8	1.5	0	0	21.2
SVM-02S	160	4/15/2021	10:20	20.1	0.7	0	0	21.2
SVM-03S	10	4/15/2021	12:15	21.4	0.4	0	0	21.2
SVM-05D	130	4/15/2021	12:00	21.2	0	0	0	21.2
SVM-05S	130	4/15/2021	12:05	21.1	0.1	0	0	21.2
SVM-06D	180	4/15/2021	10:55	20.1	0.2	0	0.1	21.2
SVM-06S	180	4/15/2021	10:52	20.3	0.2	0	0.1	21.2
SVM-07D	80	4/15/2021	10:40	20.5	0.7	0	0	21.2
SVM-07S	80	4/15/2021	10:45	20.2	1.1	0	0	21.2
SVM-08D	40	4/15/2021	11:50	21.1	0	0	0	21.2
SVM-08S	40	4/15/2021	11:55	20.9	0.2	0	0	21.2
SVM-10D	-20	4/15/2021	10:30	20.2	1.7	0	0.2	21.2
SVM-15D	250	4/15/2021	10:59	19.6	0.6	0	0	21.2
SVM-15M	250	4/15/2021	11:08	19.7	0.6	0	0	21.2
SVM-15S	250	4/15/2021	11:10	19.7	0.6	0	0	21.2
SVM-16D	-20	4/15/2021	11:40	20.5	0.2	0	0	21.2
SVM-16M	-20	4/15/2021	11:45	20.5	0.6	0	0	21.2
SVM-16S	-20	4/15/2021	11:48	20.5	0.5	0	0	21.2
GMW-O-11	200	4/15/2021	11:10	20.7	0.1	0	0	21.2
GMW-O-12	25	4/15/2021	11:30	20.6	0.1	0	0.8	21.2
GMW-O-20	120	4/15/2021	11:20	20.6	0	0	0	21.2
GMW-O-21	40	4/15/2021	12:05	21.2	0	0	0	21.2
GMW-O-3	-90	4/15/2021	9:45	19.1	0.1	0	0	21.2
GMW-O-5	-150	4/15/2021	9:20	21	0.1	0	0	21.2
SVM-1D	230	4/21/2021	13:00	20	1	0	0.1	21.4
SVM-1S	230	4/21/2021	13:01	21.2	0.7	0	0	21.4
SVM-02S	160	4/21/2021	12:48	18.7	2	0	0	21.4
SVM-03D	10	4/21/2021	10:31	20.8	0.3	0	0.3	21.4
SVM-03S	10	4/21/2021	10:28	20.8	0.1	0	0.2	21.4
SVM-05D	130	4/21/2021	11:09	21.6	0.1	0	0	21.4
SVM-05S	130	4/21/2021	11:11	21.5	0.1	0	0.1	21.4
SVM-06D	180	4/21/2021	11:48	21.1	0.2	0	0.1	21.4

Appendix D.2. Soil Vapor Field Monitoring Data

SFPF Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-06S	180	4/21/2021	11:45	21.2	0.2	0	0.1	21.4
SVM-07D	80	4/21/2021	11:35	21.1	1.1	0	0	21.4
SVM-07S	80	4/21/2021	11:38	21.4	0.6	0	0.1	21.4
SVM-08D	40	4/21/2021	10:50	21.2	0.2	0	0.1	21.4
SVM-08S	40	4/21/2021	11:00	21	0.2	0	0.1	21.4
SVM-10D	-20	4/21/2021	11:28	21.1	2	0	0.1	21.4
SVM-15D	250	4/21/2021	11:55	20.5	0.7	0	0.1	21.4
SVM-15M	250	4/21/2021	11:58	20.8	0.6	0	0	21.4
SVM-15S	250	4/21/2021	12:01	20.8	0.7	0	0.1	21.4
SVM-16D	-20	4/21/2021	10:45	20.5	0.6	0	1.2	21.4
SVM-16M	-20	4/21/2021	10:51	20.9	0.3	0	0.2	21.4
SVM-16S	-20	4/21/2021	10:52	21	0.1	0	0.1	21.4
GMW-O-11	200	4/21/2021	13:07	21.9	0.1	0	0.1	21.4
GMW-O-12	25	4/21/2021	12:33	21.9	0.1	0	0.1	21.4
GMW-O-2	160	4/21/2021	12:25	21.9	0.1	0	0	21.4
GMW-O-20	120	4/21/2021	12:15	22	0	0	0	21.4
GMW-O-3	-90	4/21/2021	9:58	20.7	0.1	0	0.3	21.4
GMW-O-5	-150	4/21/2021	9:40	20.8	0.1	0	0	21.4
SVM-1D	230	4/28/2021	11:35	18.5	1.3	0	33	20.9
SVM-1S	230	4/28/2021	11:30	20.2	0.7	0	2.3	20.9
SVM-02	160	4/28/2021	11:40	18.6	1.6	0	1.1	20.9
SVM-03D	10	4/28/2021	14:35	20.6	0.1	0	0.2	20.9
SVM-03S	10	4/28/2021	14:38	20.6	0.1	0	0.1	20.9
SVM-06D	180	4/28/2021	13:00	21.1	0.1	0	0.4	20.9
SVM-06S	180	4/28/2021	12:55	21.1	0.2	0	0.6	20.9
SVM-07D	80	4/28/2021	13:17	21.1	0.9	0	0.4	20.9
SVM-07S	80	4/28/2021	13:20	20.9	0.8	0	0.4	20.9
SVM-08D	40	4/28/2021	14:00	20.6	0.1	0	0.2	20.9
SVM-08S	40	4/28/2021	14:05	20.9	0.1	0	0.2	20.9
SVM-10D	-20	4/28/2021	13:44	20.9	0.2	0	0.4	20.9
SVM-15D	250	4/28/2021	12:06	21.2	0.1	0	1.2	20.9
SVM-15M	250	4/28/2021	12:05	20.9	0.5	0	0.6	20.9
SVM-15S	250	4/28/2021	12:07	20.9	0.5	0	0.6	20.9
SVM-16D	-20	4/28/2021	14:19	20.9	0.1	0	0.2	20.9
SVM-16M	-20	4/28/2021	14:24	20.9	0.1	0	0.1	20.9
SVM-16S	-20	4/28/2021	14:26	20.9	0.1	0	0.1	20.9
GMW-O-20	120	4/28/2021	13:08	21.3	0.1	0	0.8	20.9

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
GMW-O-12	25	4/28/2021	13:30	20.9	0.1	0	2.5	20.9
GMW-O-2	160	4/28/2021	11:54	20	0.5	0	0.9	20.9
GMW-O-11	200	4/28/2021	12:28	21.4	0.1	0	1.2	20.9
GMW-O-21	40	4/28/2021	14:10	20.9	0.1	0	0.2	20.9
GMW-O-3	-90	4/28/2021	13:50	20.9	0.1	0	0.4	20.9
GMW-O-5	-150	4/28/2021	14:45	20.9	0	0	0	20.9
SVM-1D	230	5/5/2021	12:42	18.1	1.3	0	0	20.9
SVM-1S	230	5/5/2021	12:44	19.9	0.8	0	0	20.9
SVM-02D	160	5/5/2021	12:50	17.8	1.8	0	0	20.9
SVM-03D	10	5/5/2021	14:50	21.3	0.1	0	0.8	20.9
SVM-03S	10	5/5/2021	14:54	21.3	0	0	0.6	20.9
SVM-05D	130	5/5/2021	14:35	21.7	0	0	0.9	20.9
SVM-05S	130	5/5/2021	14:37	21.5	0	0	0.9	20.9
SVM-06D	180	5/5/2021	13:22	20.5	0.1	0	0.1	20.9
SVM-06S	180	5/5/2021	13:24	20.2	0.1	0	0	20.9
SVM-07D	80	5/5/2021	13:15	19.9	0.9	0	0	20.9
SVM-07S	80	5/5/2021	13:19	20.1	0.6	0	0	20.9
SVM-08D	40	5/5/2021	14:28	21.5	0	0	0.9	20.9
SVM-08S	40	5/5/2021	14:32	21.4	0.1	0	0.5	20.9
SVM-10D	-20	5/5/2021	n/a	20.3	0.2	0	0	20.9
SVM-15D	250	5/5/2021	13:30	19.7	0.4	0	4.7	20.9
SVM-15M	250	5/5/2021	13:33	20	0.5	0	0	20.9
SVM-15S	250	5/5/2021	13:37	20.3	0.5	0	0.3	20.9
SVM-16D	-20	5/5/2021	14:15	21.3	0.1	0	1.5	20.9
SVM-16M	-20	5/5/2021	14:18	21.3	0.2	0	1	20.9
SVM-16S	-20	5/5/2021	14:22	21.4	0.1	0	0.9	20.9
GMW-O-11	200	5/5/2021	13:40	21.2	0	0	3.8	20.9
GMW-O-12	25	5/5/2021	13:50	21.3	0	0	3.9	20.9
GMW-O-2	160	5/5/2021	13:05	20	0.1	0	0	20.9
GMW-O-20	120	5/5/2021	13:45	21.5	0	0	0.9	20.9
GMW-O-21	40	5/5/2021	14:43	21.7	0	0	0.9	20.9
GMW-O-3	-90	5/5/2021	14:06	21.5	0	0	1.5	20.9
GMW-O-5	-150	5/5/2021	15:00	21.6	0	0	0.5	20.9
SVM-1D	230	5/11/2021	14:50	18.6	1.2	0	0.1	21.7
SVM-1S	230	5/11/2021	14:50	20.3	0.7	0	0.5	21.7
SVM-02S	160	5/11/2021	14:55	18.4	1.7	0	0.1	21.7
SVM-03D	10	5/11/2021	16:16	21.6	0	0	0.3	21.7

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-03S	10	5/11/2021	16:17	21.5	0	0	0.3	21.7
SVM-05D	130	5/11/2021	16:05	22	0	0	0	21.7
SVM-05S	130	5/11/2021	16:06	21.6	0	0	0	21.7
SVM-06D	180	5/11/2021	15:22	20.5	0.1	0	0	21.7
SVM-06S	180	5/11/2021	15:23	20.6	0.1	0	0.1	21.7
SVM-07D	80	5/11/2021	15:13	20.3	0.8	0	0.1	21.7
SVM-07S	80	5/11/2021	15:14	20.4	0.6	0	0	21.7
SVM-08D	40	5/11/2021	15:37	21.5	0	0	0.1	21.7
SVM-08S	40	5/11/2021	15:39	21.5	0	0	0.1	21.7
SVM-10D	-20	5/11/2021	15:11	20.5	0.7	0	0.1	21.7
SVM-15D	250	5/11/2021	15:25	20.6	0.1	0	0	21.7
SVM-15M	250	5/11/2021	15:27	20.1	0.5	0	0.1	21.7
SVM-15S	250	5/11/2021	15:29	20.1	0.5	0	0	21.7
SVM-16D	-20	5/11/2021	15:51	21	0.1	0	0.1	21.7
SVM-16M	-20	5/11/2021	15:52	21.7	0.1	0	0.4	21.7
SVM-16S	-20	5/11/2021	15:53	21.3	0	0	0	21.7
GMW-O-11	200	5/11/2021	15:30	21	0.1	0	0	21.7
GMW-O-12	25	5/11/2021	15:43	21	0	0	0.1	21.7
GMW-O-2	160	5/11/2021	15:03	19.9	0.8	0	0.1	21.7
GMW-O-20	120	5/11/2021	15:37	21.7	0	0	0.1	21.7
GMW-O-21	40	5/11/2021	16:09	21.8	0	0	0	21.7
GMW-O-3	-90	5/11/2021	15:08	20.6	0.5	0	0.2	21.7
GMW-O-5	-150	5/11/2021	16:27	21.3	0.2	0	0	21.7
GMW-O-14	n/a	5/11/2021	16:21	21.9	0	0	0	21.7
SVM-1D	230	5/11/2021	11:23	18.5	1.5	0	0	21.3
SVM-1S	230	5/11/2021	11:21	20.5	9	0	0.2	21.3
SVM-02S	160	5/11/2021	11:28	18.9	1.3	0	0	21.3
SVM-03D	10	5/11/2021	13:36	20.9	0.1	0	0	21.3
SVM-03S	10	5/11/2021	13:35	20.4	0	0	0.2	21.3
SVM-05D	130	5/11/2021	13:25	21	0	0	0.2	21.3
SVM-05S	130	5/11/2021	13:27	20.1	0.1	0	0.4	21.3
SVM-06D	180	5/11/2021	12:20	19.6	0.2	0	0	21.3
SVM-06S	180	5/11/2021	12:30	20.5	0.4	0	0.3	21.3
SVM-07D	80	5/11/2021	12:10	19.5	0.9	0	0.2	21.3
SVM-07S	80	5/11/2021	12:12	19.5	0.7	0	0.2	21.3
SVM-08D	40	5/11/2021	13:20	21	0	0	0.7	21.3
SVM-08S	40	5/11/2021	13:21	20.2	0.1	0	0	21.3

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-10D	-20	5/11/2021	12:05	20.2	0.9	0	0.1	21.3
SVM-15D	250	5/11/2021	12:36	19.5	0.7	0	0	21.3
SVM-15M	250	5/11/2021	12:37	19.6	0.6	0	0.2	21.3
SVM-15S	250	5/11/2021	12:38	19.9	0.6	0	0	21.3
SVM-16D	-20	5/11/2021	13:05	20.6	0.1	0	1.1	21.3
SVM-16M	-20	5/11/2021	13:10	20.2	0.2	0	0	21.3
SVM-16S	-20	5/11/2021	13:15	20.8	0.1	0	0.1	21.3
GMW-O-11	200	5/11/2021	12:40	20.5	0.1	0	0.3	21.3
GMW-O-12	25	5/11/2021	12:55	20.2	0	0	0.1	21.3
GMW-O-2	160	5/11/2021	11:35	20.3	0.4	0	0.1	21.3
GMW-O-20	120	5/11/2021	12:40	20.5	0	0	0.3	21.3
GMW-O-21	40	5/11/2021	13:28	21	0	0	0	21.3
GMW-O-3	-90	5/11/2021	12:00	20.7	0.1	0	0.2	21.3
GMW-O-5	-150	5/11/2021	13:40	20.7	0	0	0	21.3
SVM-1D	230	5/12/2021	13:19	18.2	1	0	0.2	20.9
SVM-1S	230	5/12/2021	13:20	19.6	1	0	0	20.9
SVM-02S	160	5/12/2021	13:23	17.1	1.9	0	0.6	20.9
SVM-03D	10	5/12/2021	13:55	20.2	0.1	0	1	20.9
SVM-03S	10	5/12/2021	13:58	20.3	0.1	0	0.6	20.9
SVM-06D	180	5/12/2021	14:18	20.9	0.2	0	0	20.9
SVM-06S	180	5/12/2021	14:30	21	0.2	0	0	20.9
SVM-07D	80	5/12/2021	14:23	20.9	0.9	0	0.1	20.9
SVM-07S	80	5/12/2021	14:25	20.9	0.7	0	0	20.9
SVM-08D	40	5/12/2021	14:11	21.2	0.1	0	0.1	20.9
SVM-08S	40	5/12/2021	14:13	21.1	0.1	0	0	20.9
SVM-10D	-20	5/12/2021	14:21	20.9	1.1	0	0	20.9
SVM-15D	250	5/12/2021	14:34	20.2	0.6	0	0	20.9
SVM-15M	250	5/12/2021	14:36	20.6	0.5	0	0	20.9
SVM-15S	250	5/12/2021	14:38	20.6	0.6	0	0	20.9
SVM-16D	-20	5/12/2021	14:05	20.7	0.2	0	0.1	20.9
SVM-16M	-20	5/12/2021	14:07	20.9	0.1	0	0.1	20.9
SVM-16S	-20	5/12/2021	14:10	20.9	0	0	0	20.9
GMW-O-11	200	5/12/2021	14:40	21.6	0	0	0	20.9
GMW-O-12	25	5/12/2021	14:50	21.7	0	0	0.2	20.9
GMW-O-2	160	5/12/2021	13:32	19.5	0.1	0	0.2	20.9
GMW-O-20	120	5/12/2021	14:45	21.8	0	0	0.1	20.9
GMW-O-21	40	5/12/2021	14:16	21.4	0	0	0	20.9

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
GMW-O-3	-90	5/12/2021	13:38	19.7	0.1	0	1	20.9
GMW-O-5	-150	5/12/2021	13:45	18.9	0.9	0	0.1	20.9
GMW-O-14	n/a	5/12/2021	14:00	20.6	0	0	0.1	20.9
SVM-1D	230	5/12/2021	8:33	18.7	1.4	0	0.5	n/a
SVM-1S	230	5/12/2021	8:34	20.4	0.9	0	0.3	n/a
SVM-02S	160	5/12/2021	8:50	18.4	2	0	0.4	n/a
SVM-03D	10	5/12/2021	11:04	20.6	0	0	0.3	n/a
SVM-03S	10	5/12/2021	11:05	20.6	0	0	0.2	n/a
SVM-05D	130	5/12/2021	10:38	21.4	0	0	0	n/a
SVM-05S	130	5/12/2021	10:39	21.4	0	0	0	n/a
SVM-06D	180	5/12/2021	9:15	20.6	0.2	0	0.3	n/a
SVM-06S	180	5/12/2021	9:16	20.7	0.2	0	0.2	n/a
SVM-07D	80	5/12/2021	9:10	20.6	1.1	0	0.1	n/a
SVM-07S	80	5/12/2021	9:11	20.7	0.8	0	0.2	n/a
SVM-08D	40	5/12/2021	10:28	21.3	0.1	0	0	n/a
SVM-08S	40	5/12/2021	10:30	21.3	0	0	0	n/a
SVM-10D	-20	5/12/2021	9:00	20.7	1.6	0	0.3	n/a
SVM-15D	250	5/12/2021	9:27	19.8	0.7	0	0.2	n/a
SVM-15M	250	5/12/2021	9:28	20.5	0.4	0	0.1	n/a
SVM-15S	250	5/12/2021	9:30	20.2	0.6	0	0.2	n/a
SVM-16D	-20	5/12/2021	10:15	20.9	0.2	0	0.1	n/a
SVM-16M	-20	5/12/2021	10:17	21	0.2	0	0	n/a
SVM-16S	-20	5/12/2021	10:20	21.3	0	0	0	n/a
GMW-O-11	200	5/12/2021	9:37	20.8	0.2	0	0.3	n/a
GMW-O-12	25	5/12/2021	10:06	20.9	0	0	8.1	n/a
GMW-O-2	160	5/12/2021	8:45	21.2	0.1	0	0.2	n/a
GMW-O-20	120	5/12/2021	9:53	20.8	0.1	0	0.5	n/a
GMW-O-21	40	5/12/2021	10:51	21.4	0	0	0.7	n/a
GMW-O-3	-90	5/12/2021	8:55	20.9	0.2	0	1.2	n/a
GMW-O-5	-150	5/12/2021	11:15	20.1	0.2	0	0.2	n/a
SVM-1D	230	5/13/2021	9:31	19.1	1.2	0	0.6	20.9
SVM-1S	230	5/13/2021	9:37	20.5	0.7	0	0.1	20.9
SVM-02S	160	5/13/2021	12:05	18.9	1.8	0.1	0.2	20.9
SVM-03D	10	5/13/2021	10:18	20.9	0.1	0	6.1	20.9
SVM-03S	10	5/13/2021	10:16	21.4	0.1	0	0.1	20.9
SVM-05D	130	5/13/2021	10:47	21.6	0	0	2.7	20.9
SVM-05S	130	5/13/2021	10:50	21.6	0.1	0	0.1	20.9

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-06D	180	5/13/2021	11:16	21.2	0.2	0	0	20.9
SVM-06S	180	5/13/2021	11:18	21.3	0.2	0	0.4	20.9
SVM-07D	80	5/13/2021	11:09	21.3	0.8	0	0.1	20.9
SVM-07S	80	5/13/2021	11:11	21.3	0.7	0	0.5	20.9
SVM-08D	40	5/13/2021	10:54	21.6	0.1	0	0.1	20.9
SVM-08S	40	5/13/2021	10:55	21.5	0.1	0	1.6	20.9
SVM-10D	-20	5/13/2021	11:05	21.4	0.9	0	0.6	20.9
SVM-15D	250	5/13/2021	11:21	20.6	0.5	0	0.1	20.9
SVM-15M	250	5/13/2021	11:22	21.3	0.6	0	0.1	20.9
SVM-15S	250	5/13/2021	11:23	20.8	0.6	0	0.1	20.9
SVM-16D	-20	5/13/2021	10:34	21.4	0	0	0	20.9
SVM-16M	-20	5/13/2021	10:37	21.5	0.1	0	0.4	20.9
SVM-16S	-20	5/13/2021	10:30	21.5	0.1	0	0.3	20.9
GMW-O-11	200	5/13/2021	11:30	21.5	0.1	0	0.6	20.9
GMW-O-12	25	5/13/2021	11:45	15.5	1.6	58.9	5000	20.9
GMW-O-2	160	5/13/2021	9:41	21	0.2	0	0.4	20.9
GMW-O-20	120	5/13/2021	11:37	21.6	0	0	0.3	20.9
GMW-O-21	40	5/13/2021	10:59	21.6	0	0	0.9	20.9
GMW-O-3	-90	5/13/2021	9:59	21.3	0.1	0	1.1	20.9
GMW-O-5	-150	5/13/2021	10:10	19.1	1.8	0	0.7	20.9
HSVE-01	0	5/13/2021	9:00	19.8	1.3	1.1	431.8	20.9
GMW-014	10	5/13/2021	10:25	21.3	0.2	0	3.2	20.9
SVM-03D	10	5/13/2021	13:51	20.9	0.1	0	1.6	n/a
SVM-03S	10	5/13/2021	13:52	20.9	0.1	0	2.9	n/a
SVM-05D	130	5/13/2021	14:15	21.1	0	0	7.3	n/a
SVM-05S	130	5/13/2021	14:16	21	0	0	0.2	n/a
SVM-06D	180	5/13/2021	13:18	20.8	0.2	0	0.3	n/a
SVM-06S	180	5/13/2021	13:19	20.8	0.2	0	5.8	n/a
SVM-07D	80	5/13/2021	13:15	20.7	0.9	0	0.3	n/a
SVM-07S	80	5/13/2021	13:16	20.8	0.7	0	0	n/a
SVM-08D	40	5/13/2021	14:10	21.1	0	0	0.4	n/a
SVM-08S	40	5/13/2021	14:11	21.1	0	0	1.7	n/a
SVM-10D	-20	5/13/2021	13:10	20.9	1.2	0	0.5	n/a
SVM-16D	-20	5/13/2021	13:59	20.9	0.1	0	0.5	n/a
SVM-16M	-20	5/13/2021	14:01	21.0	0.1	0	0.4	n/a
SVM-16S	-20	5/13/2021	14:02	21.0	0	0	1.4	n/a
GMW-O-12	25	5/13/2021	14:36	14.8	1.6	82	5000	n/a

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
GMW-O-20	120	5/13/2021	13:30	21.2	0.1	0	4.4	n/a
GMW-O-21	40	5/13/2021	14:21	21.1	0	0	2.4	n/a
GMW-O-3	-90	5/13/2021	13:38	21.2	0	0	5.2	n/a
GMW-O-5	-150	5/13/2021	13:45	17.3	2.8	0	4.4	n/a
GMW-014	n/a	5/13/2021	13:55	21.1	0.1	0	4.9	n/a
SVM-1D	230	5/14/2021	11:37	18.4	1.3	0	0	21.3
SVM-1S	230	5/14/2021	11:39	20.2	0.7	0	0	21.3
SVM-02S	160	5/14/2021	11:43	17.9	1.8	0	0	21.3
SVM-03D	10	5/14/2021	13:15	21	0.1	0	0.3	21.3
SVM-03S	10	5/14/2021	13:16	21.1	0.1	0	0.2	21.3
SVM-05D	130	5/14/2021	13:06	21.1	0.1	0	1	21.3
SVM-05S	130	5/14/2021	13:08	21	0	0	0.3	21.3
SVM-06D	180	5/14/2021	12:17	19.6	0.1	0	0	21.3
SVM-06S	180	5/14/2021	12:19	19.6	0.1	0	0	21.3
SVM-07D	80	5/14/2021	12:08	19.5	0.8	0	0	21.3
SVM-07S	80	5/14/2021	12:09	19.7	0.6	0	0	21.3
SVM-08D	40	5/14/2021	13:00	21	0.1	0	0.1	21.3
SVM-08S	40	5/14/2021	13:01	21.1	0.1	0	0.4	21.3
SVM-10D	-20	5/14/2021	12:05	20	0.4	0	0.1	21.3
SVM-15D	250	5/14/2021	12:23	19	0.4	0	0	21.3
SVM-15M	250	5/14/2021	12:25	19	0.5	0	0	21.3
SVM-15S	250	5/14/2021	12:27	19.1	0.6	0	0	21.3
SVM-16D	-20	5/14/2021	12:55	20.9	0.1	0	0	21.3
SVM-16M	-20	5/14/2021	12:57	21	0.1	0	0.4	21.3
SVM-16S	-20	5/14/2021	12:59	21	0	0	0.2	21.3
GMW-O-11	200	5/14/2021	12:34	19.9	0.1	0	0.1	21.3
GMW-O-12	25	5/14/2021	12:50	13.9	1.3	9.9	5000	21.3
GMW-O-2	160	5/14/2021	11:48	20	0.3	0	0	21.3
GMW-O-20	120	5/14/2021	12:42	20.4	0	0	0	21.3
GMW-O-21	40	5/14/2021	13:11	21	0.3	0	2.3	21.3
GMW-O-3	-90	5/14/2021	11:57	20.1	0	0	0.1	21.3
GMW-O-5	-150	5/14/2021	13:28	18.1	2.2	0	0.9	21.3
SVM-1D	230	5/18/2021	15:20	18.9	0.8	0	0	20.9
SVM-1S	230	5/18/2021	15:22	20.1	0.4	0	0	20.9
SVM-03D	10	5/18/2021	13:47	21	0.1	0	0.2	20.9
SVM-03S	10	5/18/2021	13:49	21	0.1	0	0.1	20.9
SVM-05D	130	5/18/2021	14:12	21.1	0	0	0	20.9

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-05S	130	5/18/2021	14:15	20.9	0	0	0	20.9
SVM-06D	180	5/18/2021	14:28	19.8	0.1	0	0	20.9
SVM-06S	180	5/18/2021	14:30	19.9	0.1	0	0	20.9
SVM-07D	80	5/18/2021	14:23	20.7	0.1	0	0.1	20.9
SVM-07S	80	5/18/2021	14:25	20.7	0.1	0	0	20.9
SVM-08D	40	5/18/2021	14:05	21.1	0.1	0	0.2	20.9
SVM-08S	40	5/18/2021	14:07	20.9	0.1	0	0.1	20.9
SVM-10D	-20	5/18/2021	14:20	20.9	0.4	0	0.1	20.9
SVM-15D	250	5/18/2021	14:35	20.1	0.4	0	0.1	20.9
SVM-15M	250	5/18/2021	14:37	20.1	0.5	0	0.1	20.9
SVM-15S	250	5/18/2021	14:39	20.3	0.6	0	0	20.9
SVM-16D	-20	5/18/2021	13:55	21	0.1	0	0.4	20.9
SVM-16M	-20	5/18/2021	13:58	21.1	0	0	0.1	20.9
SVM-16S	-20	5/18/2021	14:00	21	0	0	0.1	20.9
GMW-O-11	200	5/18/2021	14:50	20.9	0	0	0.5	20.9
GMW-O-12	25	5/18/2021	15:05	20.9	0	0	3.6	20.9
GMW-O-2	160	5/18/2021	15:19	20.8	0	0	0	20.9
GMW-O-20	120	5/18/2021	14:55	20.9	0.1	0	0.2	20.9
GMW-O-21	40	5/18/2021	14:20	21.2	0.1	0	0.2	20.9
GMW-O-3	-90	5/18/2021	15:12	20.2	0.1	0	0	20.9
GMW-O-5	-150	5/18/2021	13:30	18.7	0.2	0	0.7	20.9
GMW-O-14	n/a	5/18/2021	13:43	21	0.3	0	1	20.9
SVM-1D	230	5/18/2021	12:23	18.8	1	0	0	20.9
SVM-1S	230	5/18/2021	12:26	20.1	0.6	0	0	20.9
SVM-02S	160	5/18/2021	12:28	19.8	0.5	0	0	20.9
SVM-03D	10	5/18/2021	10:25	20.7	0.2	0	0.3	20.9
SVM-03S	10	5/18/2021	10:27	20.8	0.1	0	0.1	20.9
SVM-05D	130	5/18/2021	10:52	20.7	0	0	0.1	20.9
SVM-05S	130	5/18/2021	10:54	20.7	0.1	0	0	20.9
SVM-06D	180	5/18/2021	11:41	19.6	0.2	0	0.1	20.9
SVM-06S	180	5/18/2021	11:43	19.7	0.2	0	0	20.9
SVM-07D	80	5/18/2021	11:35	20.3	0.8	0	0.1	20.9
SVM-07S	80	5/18/2021	11:37	20.1	0.8	0	0	20.9
SVM-08D	40	5/18/2021	10:47	20.7	0.1	0	0.2	20.9
SVM-08S	40	5/18/2021	10:49	20.7	0.1	0	0	20.9
SVM-10D	-20	5/18/2021	11:31	20.8	0.8	0	0.1	20.9
SVM-15D	250	5/18/2021	11:50	19.1	0.6	0	0.1	20.9

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-15M	250	5/18/2021	11:52	19.4	0.7	0	0	20.9
SVM-15S	250	5/18/2021	11:54	19.7	0.7	0	0	20.9
SVM-16D	-20	5/18/2021	10:39	20.4	0.3	0	0.4	20.9
SVM-16M	-20	5/18/2021	10:40	20.7	0.1	0	0.1	20.9
SVM-16S	-20	5/18/2021	10:41	20.7	0.1	0	0	20.9
GMW-O-11	200	5/18/2021	12:02	20.7	0.2	0	0.7	20.9
GMW-O-12	25	5/18/2021	12:20	20.8	0.1	0	3.5	20.9
GMW-O-2	160	5/18/2021	12:30	20.1	0	0	0	20.9
GMW-O-20	120	5/18/2021	12:10	20.9	0.1	0	0.6	20.9
GMW-O-21	40	5/18/2021	11:04	20.9	0	0	0.3	20.9
GMW-O-3	-90	5/18/2021	12:20	20.1	0	0	0	20.9
GMW-O-5	-150	5/18/2021	10:11	20.6	0.5	0	0.8	20.9
GMW-O-14	n/a	5/18/2021	10:31	21	0	0	1.8	20.9
SVM-03D	10	5/19/2021	14:05	20.8	0	0	0.1	21.5
SVM-03S	10	5/19/2021	14:07	21	0	0	0.1	21.5
SVM-05D	130	5/19/2021	14:39	21.8	0	0	0.1	21.5
SVM-05S	130	5/19/2021	14:42	21.7	0	0	0	21.5
SVM-06D	180	5/19/2021	15:40	21.4	0	0	0.2	21.5
SVM-06S	180	5/19/2021	15:45	21.2	0.1	0	0.1	21.5
SVM-07D	80	5/19/2021	14:12	21.3	0.6	0	0	21.5
SVM-07S	80	5/19/2021	14:15	21.2	0.6	0	0.5	21.5
SVM-08D	40	5/19/2021	14:30	21.6	0	0	0	21.5
SVM-08S	40	5/19/2021	14:35	21.7	0	0	0.1	21.5
SVM-10D	-20	5/19/2021	15:05	21.5	0.8	0	0.1	21.5
SVM-16D	-20	5/19/2021	14:17	21.4	0	0	0.1	21.5
SVM-16M	-20	5/19/2021	14:20	21.5	0	0	0.1	21.5
SVM-16S	-20	5/19/2021	14:23	21.4	0	0	0	21.5
GMW-O-12	25	5/19/2021	16:05	21.2	0	0	17.4	21.5
GMW-O-20	120	5/19/2021	15:50	21.5	0	0	0.4	21.5
GMW-O-21	40	5/19/2021	14:47	22	0	0	0.1	21.5
GMW-O-3	-90	5/19/2021	13:40	21.3	0	0	1.3	21.5
GMW-O-5	-150	5/19/2021	13:48	17.7	2.3	0	0.3	21.5
GMW-O-14	10	5/19/2021	14:00	20.9	0	0	0.2	21.5
SVM-03D	10	5/20/2021	10:23	20.9	0.1	0	0	21.5
SVM-03S	10	5/20/2021	10:25	20.8	0.1	0	0	21.5
SVM-05D	130	5/20/2021	11:03	20.3	0	0	0.1	21.5
SVM-05S	130	5/20/2021	11:05	20.2	0.1	0	0	21.5

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-06D	180	5/20/2021	11:17	20.2	0.1	0	0.2	21.5
SVM-06S	180	5/20/2021	11:19	20	0.2	0	0.3	21.5
SVM-07D	80	5/20/2021	11:13	20.2	0	0	0.2	21.5
SVM-07S	80	5/20/2021	11:15	20.1	0.6	0	0.3	21.5
SVM-08D	40	5/20/2021	11:00	20.2	0.1	0	0.4	21.5
SVM-08S	40	5/20/2021	11:02	20.1	0.1	0	0.1	21.5
SVM-10D	-20	5/20/2021	11:12	20.2	0	0	0.4	21.5
SVM-15D	250	5/20/2021	11:20	19.4	0	0	0.1	21.5
SVM-15M	250	5/20/2021	11:22	19.8	0.5	0	0.3	21.5
SVM-15S	250	5/20/2021	11:25	19.5	0.6	0	0.1	21.5
SVM-16D	-20	5/20/2021	10:53	20.1	0.2	0	0	21.5
SVM-16M	-20	5/20/2021	10:56	20.3	0	0	0.4	21.5
SVM-16S	-20	5/20/2021	10:59	20.1	0.1	0	0.1	21.5
GMW-O-11	200	5/20/2021	11:25	20.5	0	0	0.3	21.5
GMW-O-12	25	5/20/2021	11:35	15.5	1.9	49	681	21.5
GMW-O-20	120	5/20/2021	11:29	20.7	0	0	0.3	21.5
GMW-O-21	40	5/20/2021	11:06	20.5	0	0	0.3	21.5
GMW-O-3	-90	5/20/2021	10:47	20.2	0.2	0	0.3	21.5
GMW-O-5	-150	5/20/2021	10:39	17.9	2.5	0	0.1	21.5
GMW-O-14	10	5/20/2021	10:20	21.3	0.1	0	0	21.5
GMW-O-12(header)	25	5/20/2021	11:35	21.2	0.2	0	9.3	21.5
SVM-03D	10	5/26/2021	8:10	20.7	0.1	0	1.5	20.9
SVM-03S	10	5/26/2021	8:12	20.9	0	0	1.7	20.9
SVM-06D	180	5/26/2021	13:28	20.5	0.1	0	0.2	20.9
SVM-06S	180	5/26/2021	13:32	20.4	0.1	0	0.1	20.9
SVM-07D	80	5/26/2021	13:16	20.8	0.5	0	0.1	20.9
SVM-07S	80	5/26/2021	13:20	20.6	0	0	0.2	20.9
SVM-08D	40	5/26/2021	12:50	21.3	0	0	0	20.9
SVM-08S	40	5/26/2021	12:55	21.1	0	0	0	20.9
SVM-10D	-20	5/26/2021	13:24	20.7	0.7	0	0.2	20.9
SVM-16D	-20	5/26/2021	12:40	20.9	0	0	0	20.9
SVM-16M	-20	5/26/2021	12:42	20.7	0	0	0.5	20.9
SVM-16S	-20	5/26/2021	12:45	20.5	0	0	1.1	20.9
GMW-O-12	25	5/26/2021	13:40	18.4	0.9	8.9	550	20.9
GMW-O-3	-90	5/26/2021	13:05	21.5	0	0	0	20.9
SVM-03D	10	5/27/2021	10:05	20.8	0	0	0	21.5
SVM-03S	10	5/27/2021	10:06	20.6	0	0	0	21.5

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-05D	130	5/27/2021	10:25	21.1	0.1	0	0	21.5
SVM-05S	130	5/27/2021	10:28	21.3	0	0	0	21.5
SVM-06D	180	5/27/2021	10:46	21.2	0.1	0	0	21.5
SVM-06S	180	5/27/2021	10:49	21.2	0.1	0	0	21.5
SVM-07D	80	5/27/2021	10:38	21	0.7	0	0	21.5
SVM-07S	80	5/27/2021	10:40	21.1	0.5	0	0	21.5
SVM-08D	40	5/27/2021	10:19	21.1	0	0	0.6	21.5
SVM-08S	40	5/27/2021	10:24	21.1	0	0	0	21.5
SVM-10D	-20	5/27/2021	10:36	20.9	0	0	0	21.5
SVM-15D	250	5/27/2021	10:50	20.3	0.6	0.1	0	21.5
SVM-15M	250	5/27/2021	10:52	20.7	0.6	0.1	0	21.5
SVM-15S	250	5/27/2021	10:53	20.9	0.6	0.1	0	21.5
SVM-16D	-20	5/27/2021	10:13	20.7	0	0	0.8	21.5
SVM-16M	-20	5/27/2021	10:17	20.8	0.1	0	0	21.5
SVM-16S	-20	5/27/2021	10:20	20.8	0.1	0	1019	21.5
GMW-O-2	160	5/27/2021	9:45	20.9	0	0	0	21.5
GMW-O-3	-90	5/27/2021	9:48	20.8	0	0	0	21.5
GMW-O-5	-150	5/27/2021	9:55	17.4	4	0	0	21.5
GMW-O-11	200	5/27/2021	10:59	21.8	0	0.1	0	21.5
GMW-O-12	25	5/27/2021	11:10	18.5	1.3	10.6	535	21.5
GMW-O-14	10	5/27/2021	10:01	20.5	0.5	0	0	21.5
GMW-O-20	120	5/27/2021	11:04	3.5	8.2	9.1	405	21.5
GMW-O-21	40	5/27/2021	10:30	20.8	0	0	0	21.5
GMW-O-12 Manifold	25	5/28/2021	10:15	17.9	1.2	2	410	20.8
GMW-O-12	25	5/28/2021	11:15	17.6	1.2	1.8	454	20.8
GMW-O-12	25	5/28/2021	11:25	15.5	2.1	4.7	565	20.8
GMW-O-12 Manifold	25	5/28/2021	11:35	16.8	1.6	2.7	495	20.8
SVM-03D	10	6/1/2021	12:58	19.8	0	0	0	20.9
SVM-03S	10	6/1/2021	12:59	19.9	0	0	0	20.9
SVM-05D	130	6/1/2021	13:24	20.6	0.1	0	0	20.9
SVM-05S	130	6/1/2021	13:29	20.3	0	0	0	20.9
SVM-06D	180	6/1/2021	13:52	20.2	0.1	0	0.2	20.9
SVM-06S	180	6/1/2021	13:54	20.2	0	0	0.1	20.9
SVM-07D	80	6/1/2021	13:46	20.2	0.2	0	0.2	20.9
SVM-07S	80	6/1/2021	13:47	20.1	0	0	0.1	20.9
SVM-08D	40	6/1/2021	13:16	21.1	0	0	0	20.9
SVM-08S	40	6/1/2021	13:20	21	0	0	0	20.9

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-10D	-20	6/1/2021	13:42	20.1	0.9	0	0	20.9
SVM-15D	250	6/1/2021	14:00	20.3	0.4	0	0.2	20.9
SVM-15M	250	6/1/2021	14:04	20.2	0.2	0	0.1	20.9
SVM-15S	250	6/1/2021	14:06	20.1	0	0	0.1	20.9
SVM-16D	-20	6/1/2021	13:04	20.2	0.1	0	0	20.9
SVM-16M	-20	6/1/2021	13:08	20	0	0	0	20.9
SVM-16S	-20	6/1/2021	13:12	20	0	0	0	20.9
GMW-O-11	200	6/1/2021	14:15	15.7	2.4	0	30.25	20.9
GMW-O-12	25	6/1/2021	13:38	15.3	2.6	2.7	549.2	20.9
GMW-O-20	120	6/1/2021	14:22	21.1	0	0	0.9	20.9
GMW-O-21	40	6/1/2021	13:33	21.1	0.1	0	4.2	20.9
GMW-O-3	-90	6/1/2021	13:39	20.4	0.1	0	0.2	20.9
GMW-O-5	-150	6/1/2021	12:43	18.4	2.6	0	0.3	20.9
GMW-O-14	n/a	6/1/2021	12:52	20	0.3	0	0.8	20.9
SVM-03D	10	6/10/2021	12:48	19.9	0.2	0	0.3	21.1
SVM-03S	10	6/10/2021	12:52	19.7	0.1	0	0.2	21.1
SVM-05D	130	6/10/2021	12:42	20.1	0.2	0	0.2	21.1
SVM-05S	130	6/10/2021	12:42	19.9	0.1	0	0.1	21.1
SVM-06D	180	6/10/2021	10:58	18.8	0.1	0	0.1	21.1
SVM-06S	180	6/10/2021	11:00	19.2	0.1	0	0	21.1
SVM-07D	80	6/10/2021	10:52	18.9	0.6	0	0	21.1
SVM-07S	80	6/10/2021	10:54	19.1	0.5	0	0	21.1
SVM-08D	40	6/10/2021	12:25	20.1	0	0	0	21.1
SVM-08S	40	6/10/2021	12:30	20	0.1	0	0.1	21.1
SVM-10D	-20	6/10/2021	10:48	18.9	0.9	0	0.1	21.1
SVM-15D	250	6/10/2021	11:04	18.5	0.6	0	0.2	21.1
SVM-15M	250	6/10/2021	11:06	18.8	0.6	0	0.1	21.1
SVM-15S	250	6/10/2021	11:08	19.4	0.5	0	0	21.1
SVM-16D	-20	6/10/2021	12:15	20.7	0.2	0.1	13.5	21.1
SVM-16M	-20	6/10/2021	12:18	21	0	0	0	21.1
SVM-16S	-20	6/10/2021	12:20	21	0	0	0	21.1
GMW-O-11	200	6/10/2021	11:15	20.2	0	0	2.4	21.1
GMW-O-12	25	6/10/2021	11:25	20.1	0	0	0	21.1
SVM-03D	10	6/10/2021	15:16	20.1	0.1	0	0.2	20.5
SVM-03S	10	6/10/2021	15:18	19.9	0.1	0	0.1	20.5
SVM-05D	130	6/10/2021	14:52	20.2	0.3	0	0.2	20.5
SVM-05S	130	6/10/2021	14:54	20	0.2	0	0.2	20.5

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-06D	180	6/10/2021	14:10	19	0	0	0	20.5
SVM-06S	180	6/10/2021	14:11	19.3	0.1	0	0	20.5
SVM-07D	80	6/10/2021	14:04	19.1	0.5	0	0	20.5
SVM-07S	80	6/10/2021	14:06	19	0.5	0	0	20.5
SVM-08D	40	6/10/2021	14:52	20.1	0	0	0.1	20.5
SVM-08S	40	6/10/2021	14:54	20	0.1	0	0.1	20.5
SVM-10D	-20	6/10/2021	14:00	18.8	1	0	0.1	20.5
SVM-15D	250	6/10/2021	14:14	18.9	0.5	0	0.2	20.5
SVM-15M	250	6/10/2021	14:18	19	0.6	0	0.1	20.5
SVM-15S	250	6/10/2021	14:21	19.4	0.5	0	0	20.5
SVM-16D	-20	6/10/2021	14:44	20.6	0.3	0.1	14.2	20.5
SVM-16M	-20	6/10/2021	14:46	20.8	0.1	0	0	20.5
SVM-16S	-20	6/10/2021	14:48	21	0	0	0	20.5
GMW-O-11	200	6/10/2021	14:27	20.4	0	0	3.1	20.5
GMW-O-12	25	6/10/2021	14:37	20.1	0	0	0	20.5
GMW-O-14	n/a	6/10/2021	15:20	20.1	0.1	0	0.9	20.5
SVM-03D	10	6/11/2021	9:57	20.8	0.1	0	0.4	21
SVM-05D	130	6/11/2021	9:23	21.1	0.1	0	0	21
SVM-05S	130	6/11/2021	9:25	21.3	0.1	0	0	21
SVM-06D	180	6/11/2021	8:52	20.4	0.1	0	0	21
SVM-06S	180	6/11/2021	8:53	20.3	0.2	0	0.1	21
SVM-07D	80	6/11/2021	8:48	20	0.8	0	0	21
SVM-07S	80	6/11/2021	8:49	20.2	0.6	0	0	21
SVM-08D	40	6/11/2021	9:45	21.2	0.1	0	0	21
SVM-08S	40	6/11/2021	9:49	21.2	0.1	0	0.6	21
SVM-10D	-20	6/11/2021	8:35	20.6	1.1	0	0	21
SVM-15D	250	6/11/2021	8:54	20.4	0.2	0	0	21
SVM-15M	250	6/11/2021	8:56	19.6	0.7	0	0	21
SVM-15S	250	6/11/2021	8:58	19.9	0.6	0	0.3	21
GMW-O-11	200	6/11/2021	9:04	20.6	0	0	0	21
GMW-O-20	120	6/11/2021	9:10	0	12.8	5.6	5.6	21
GMW-O-3	-90	6/11/2021	10:18	20.6	0	0	0	21
GMW-O-5	-150	6/11/2021	10:10	19.2	2	0	0	21
GMW-O-14	n/a	6/11/2021	10:05	20.8	0	0	0	21
SVM-03D	10	6/22/2021	10:00	20.5	0	0	0.3	21.4
SVM-03S	10	6/22/2021	10:03	20.4	0	0	0.1	21.4
SVM-05D	130	6/22/2021	9:39	20.8	0.2	0	0.3	21.4

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-05S	130	6/22/2021	9:41	21	0.1	0	0	21.4
SVM-06D	180	6/22/2021	8:40	19.8	0.3	0	0	21.4
SVM-06S	180	6/22/2021	8:42	20.1	0.3	0	0	21.4
SVM-07D	80	6/22/2021	9:15	19.6	0.9	0	7.5	21.4
SVM-07S	80	6/22/2021	9:17	20.2	0.7	0	0.6	21.4
SVM-08D	40	6/22/2021	9:30	20.8	0	0	0.6	21.4
SVM-08S	40	6/22/2021	9:32	20.9	0.1	0	0.2	21.4
SVM-10D	-20	6/22/2021	8:30	20.3	0.7	0	0.1	21.4
SVM-15D	250	6/22/2021	8:46	19.3	0.8	0	0	21.4
SVM-15M	250	6/22/2021	8:49	19.7	0.9	0	0	21.4
SVM-15S	250	6/22/2021	8:51	20	0.9	0	0	21.4
SVM-16D	-20	6/22/2021	9:22	20.4	0	0	8.7	21.4
SVM-16M	-20	6/22/2021	9:24	20.5	0.1	0	0.5	21.4
SVM-16S	-20	6/22/2021	9:26	20.6	0.1	0	0.2	21.4
GMW-O-3	-90	6/22/2021	10:20	20.4	0.4	0	0.5	21.4
GMW-O-5	-150	6/22/2021	10:08	19.2	0.9	0	30	21.4
GMW-O-11	200	6/22/2021	9:00	20.9	0.1	0	0.1	21.4
GMW-O-14	n/a	6/22/2021	9:55	20.6	0	0	0.3	21.4
GMW-O-21	40	6/22/2021	9:45	21.1	0	0	1.2	21.4
SVM-03D	10	6/25/2021	9:25	20	0.1	0	0.6	20.9
SVM-03S	10	6/25/2021	9:28	20	0.1	0	0.4	20.9
SVM-05D	130	6/25/2021	9:53	21	0.1	0	0	20.9
SVM-05S	130	6/25/2021	9:56	21.2	0.1	0	0	20.9
SVM-06D	180	6/25/2021	10:18	21.1	0	0	0	20.9
SVM-06S	180	6/25/2021	10:21	21	0.1	0	0	20.9
SVM-07D	80	6/25/2021	10:10	20.4	0.6	0	0.2	20.9
SVM-07S	80	6/25/2021	10:13	20.8	0.8	0	0.3	20.9
SVM-08D	40	6/25/2021	9:46	20.9	0	0	0.2	20.9
SVM-08S	40	6/25/2021	9:50	21	0	0	0.2	20.9
SVM-10D	-20	6/25/2021	10:03	21.2	0	0	0	20.9
SVM-15D	250	6/25/2021	10:28	20.2	0.5	0	0.2	20.9
SVM-15M	250	6/25/2021	10:31	20.3	0.7	0	0.1	20.9
SVM-15S	250	6/25/2021	10:34	20.5	0.7	0	0.1	20.9
SVM-16D	-20	6/25/2021	9:35	20.5	0	0	0.9	20.9
SVM-16M	-20	6/25/2021	9:38	20.6	0	0	0.5	20.9
SVM-16S	-20	6/25/2021	9:41	20.7	0	0	0.3	20.9
GMW-O-11	200	6/25/2021	10:40	21.7	0.1	0	0	20.9

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
GMW-O-3	-90	6/25/2021	10:50	21.4	0	0	0.2	20.9
GMW-O-5	-150	6/25/2021	9:15	17.9	0	0	2.9	20.9
GMW-O-14	n/a	6/25/2021	9:22	20	0	0	1.1	20.9
SVM-03D	10	6/28/2021	13:15	20.1	0	0.1	0.4	21.1
SVM-03S	10	6/28/2021	13:18	20.1	0.1	0	0.1	21.1
SVM-05D	130	6/28/2021	12:56	20	0.1	0	0.7	21.1
SVM-05S	130	6/28/2021	12:58	20.1	0	0	0.4	21.1
SVM-06D	180	6/28/2021	12:15	18.8	0.1	0	0.3	21.1
SVM-06S	180	6/28/2021	12:17	18.8	0.1	0	0.2	21.1
SVM-07D	80	6/28/2021	12:04	18.7	0.8	0	1.4	21.1
SVM-07S	80	6/28/2021	12:08	19.8	0.6	0	0.6	21.1
SVM-08D	40	6/28/2021	12:51	20.1	0.1	0	0.2	21.1
SVM-08S	40	6/28/2021	12:53	20	0.1	0	0.1	21.1
SVM-10D	-20	6/28/2021	11:58	20.3	0.7	0.1	0.8	21.1
SVM-15D	250	6/28/2021	12:21	18.4	0.6	0	0.4	21.1
SVM-15M	250	6/28/2021	12:23	18.8	0.6	0	0.1	21.1
SVM-15S	250	6/28/2021	12:25	18.9	0.7	0	0.2	21.1
SVM-16D	-20	6/28/2021	12:40	19.8	0.1	0	4.9	21.1
SVM-16M	-20	6/28/2021	12:42	20.1	0	0	0.1	21.1
SVM-16S	-20	6/28/2021	12:46	20.2	0.1	0	0.1	21.1
GMW-O-3	-90	6/28/2021	13:08	21.1	0.1	0	0.3	21.1
GMW-O-5	-150	6/28/2021	13:30	18.4	1.1	0	1.2	21.1
GMW-O-11	200	6/28/2021	12:30	21.1	0.1	0.1	0.4	21.1
GMW-O-14	n/a	6/28/2021	13:20	20	0	0	1	21.1
GMW-O-21	40	6/28/2021	12:59	20.4	0.1	0	1.3	21.1
SVM-07D	80	7/23/2021	8:43	19.9	0.5	0.1	0.1	21.1
SVM-06D	180	7/23/2021	8:50	20	0	0	0	21.1
SVM-06S	180	7/23/2021	8:51	20.1	0.1	0	0.1	21.1
SVM-10D	-20	7/23/2021	8:40	17.1	0.1	0.2	0.1	21.1
SVM-07S	80	7/23/2021	8:45	19.8	0.2	0	0.2	21.1
SVM-07D	80	8/6/2021	10:08	18.2	--	--	0.3	20.9
SVM-06D	180	8/6/2021	10:15	18.7	--	--	0.1	20.9
SVM-06S	180	8/6/2021	10:17	19.6	--	--	0	20.9
SVM-10D	-20	8/6/2021	10:06	20.9	--	--	0.1	20.9
SVM-15D	250	8/6/2021	10:21	20.9	--	--	0	20.9
SVM-15M	250	8/6/2021	10:23	19.4	--	--	0.2	20.9
SVM-15S	250	8/6/2021	10:25	19.7	--	--	0	20.9

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-16D	-20	8/6/2021	9:58	20.9	--	--	0	20.9
SVM-16M	-20	8/6/2021	10:00	20.9	--	--	0	20.9
SVM-16S	-20	8/6/2021	10:02	20.9	--	--	0	20.9
SVM-07S	80	8/6/2021	10:10	20.2	--	--	0.1	20.9
SVM-07D	80	8/31/2021	8:35	17.7	1	0	0	21.1
SVM-03D	10	8/31/2021	10:28	20	0.2	0	0.2	21.1
SVM-03S	10	8/31/2021	10:35	19.9	0.1	0	0	21.1
SVM-05D	130	8/31/2021	10:15	20.1	0.1	0	0	21.1
SVM-05S	130	8/31/2021	10:17	20.1	0.1	0	0	21.1
SVM-06D	180	8/31/2021	8:50	16.9	0.2	0	0	21.1
SVM-06S	180	8/31/2021	8:52	19.6	0.4	0	0	21.1
SVM-08D	40	8/31/2021	10:08	19.9	0.3	0	0	21.1
SVM-08S	40	8/31/2021	10:10	20.1	0.4	0	0	21.1
SVM-10D	-20	8/31/2021	8:30	20.8	0.6	0	0	21.1
SVM-15D	250	8/31/2021	9:12	19.1	1	0	0	21.1
SVM-15M	250	8/31/2021	9:10	19.6	1.2	0	0	21.1
SVM-15S	250	8/31/2021	9:08	19.9	1.1	0	0	21.1
SVM-16D	-20	8/31/2021	10:05	21.1	0.1	0	0.2	21.1
SVM-16M	-20	8/31/2021	9:59	21.2	0.2	0	1	21.1
SVM-07S	80	8/31/2021	8:40	19.4	0.7	0	0	21.1
SVM-07D	80	9/1/2021	9:00	18.3	1.1	0	0	21.1
SVM-16S	-20	9/1/2021	9:55	21.3	0.2	0	1.3	21.1
SVM-03D	10	9/1/2021	9:45	21.1	0.1	0	0.4	21.1
SVM-03S	10	9/1/2021	9:49	21	0.1	0	0.1	21.1
SVM-05D	130	9/1/2021	9:30	20.1	0	0	0	21.1
SVM-05S	130	9/1/2021	9:35	20.1	0	0	0	21.1
SVM-06D	180	9/1/2021	9:05	17.4	0.3	0	0	21.1
SVM-06S	180	9/1/2021	9:07	20.1	0.6	0	0	21.1
SVM-08D	40	9/1/2021	9:30	19.9	0.5	0	0	21.1
SVM-08S	40	9/1/2021	9:32	20	0.4	0	0	21.1
SVM-10D	-20	9/1/2021	8:40	20.9	0.5	0	0	21.1
SVM-15D	250	9/1/2021	9:18	19.3	1	0	0	21.1
SVM-15M	250	9/1/2021	9:15	19.8	1.1	0	0	21.1
SVM-15S	250	9/1/2021	9:12	19.9	1	0	0	21.1
SVM-16D	-20	9/1/2021	9:20	21.4	0.3	0.1	5.8	21.1
SVM-16M	-20	9/1/2021	9:22	21.2	0.1	0	2.1	21.1
SVM-16S	-20	9/1/2021	9:24	21.2	0.1	0	0.6	21.1
SVM-07S	80	9/1/2021	9:01	19.5	0.6	0	0	21.1

Appendix D.2. Soil Vapor Field Monitoring Data

SFPP Norwalk Pump Station, Norwalk, California

Well/ Location	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	VOC's (ppmv)	Ambient Oxygen (%)
SVM-07D	80	9/9/2021	13:04	17.9	0.4	0	0	20.9
SVM-03D	10	9/9/2021	13:45	21	0	0	0.7	20.9
SVM-03S	10	9/9/2021	13:48	21.3	0.1	0	0.3	20.9
SVM-05D	130	9/9/2021	13:38	20.1	0	0	0	20.9
SVM-05S	130	9/9/2021	13:41	20	0	0	0	20.9
SVM-06D	180	9/9/2021	12:53	17.8	0.3	0	0	20.9
SVM-06S	180	9/9/2021	12:55	20.3	0.5	0	0	20.9
SVM-07S	80	9/9/2021	13:00	19.8	0.2	0	0	20.9
SVM-08D	40	9/9/2021	13:30	19.5	0.3	0	0	20.9
SVM-08S	40	9/9/2021	13:32	20.6	0.1	0	0	20.9
SVM-10D	-20	9/9/2021	9:10	21	0.1	0	0	20.9
SVM-15D	250	9/9/2021	13:07	19	0.3	0	0	20.9
SVM-15M	250	9/9/2021	13:09	19.5	0.2	0	0	20.9
SVM-15S	250	9/9/2021	13:12	20.1	0	0	0	20.9
SVM-16D	-20	9/9/2021	13:18	21.1	0.5	0.1	6.1	20.9
SVM-16M	-20	9/9/2021	13:21	21	0.2	0.1	1.2	20.9
SVM-16S	-20	9/9/2021	13:24	20.7	0.1	0	0.3	20.9
SVM-06D	180	9/16/2021	11:50	11	0.3	0	0.4	20.9
SVM-06S	180	9/16/2021	11:51	18.5	0.4	0	0	20.9
SVM-07D	80	9/16/2021	11:45	12.8	6.5	0	532.6	20.9
SVM-07S	80	9/16/2021	11:46	14.3	0.9	0	23.5	20.9
SVM-10D	-20	9/16/2021	11:40	20.3	0.7	0	0	20.9
SVM-15D	250	9/16/2021	12:15	19.2	0.1	0	0	20.9
SVM-15M	250	9/16/2021	12:20	19.4	0.1	0	0	20.9
SVM-15S	250	9/16/2021	12:22	19.5	0.2	0	0	20.9
SVM-06D	180	9/21/2021	14:34	16.9	0.1	0	0	21.2
SVM-06S	180	9/21/2021	14:36	17.2	0.1	0	0	21.2
SVM-07D	80	9/21/2021	14:30	16.3	2.9	0	50.1	21.2
SVM-07S	80	9/21/2021	14:32	16.6	0.8	0	0.4	21.2
SVM-10D	-20	9/21/2021	14:25	20.7	0.4	0	0	21.2
SVM-07D	80	9/30/2021	16:45	19.7	0.9	0.02	0	20.9

Appendix D.3. ROI Data
 SFPP Norwalk Pump Station, Norwalk, California

Date	Start Time	End Time	HSVE-1 Date and Flow (SCFM)	HSVE-1 Vacuum (in of H2O)	Comment	Higher Priority Vacuum Monitoring Locations (Vacuum [in of H2O])															Lower Priority Vacuum Monitoring Locations (Vacuum [in of H2O])										HSVE-1 Flow (SCFM)										
						Approximate Distance to HSVE-01 (ft) (negative upgradient)															Monitoring ID																				
						20	20	20	20	20	10	10	25	40	40	40	80	80	90	120	130	130	130	150	160	160	160	180	180	200		230	230	250	250	250	10				
						SVM-10D	SVM-10S	SVM-16D	SVM-16M	SVM-16S	SVM-03D	SVM-03S	GMW-O-12	SVM-08D	SVM-08S	GMW-O-21	SVM-07D	SVM-07S	GMW-O-3	GMW-O-20	SVM-05D	SVM-05S	MW-SF-9	GMW-O-5	SVM-02D	SVM-02S	GMW-O-2	SVM-06D	SVM-06S	GMW-O-11	SVM-1D	SVM-1S	SVM-15D	SVM-15M	SVM-15S	GMW-O-14					
7/23/2021	8:00	8:51	7/23/21 600	56.00	Bumped BS-03 flow to 250scfm @ 10:05am; Bumped BS02 flow to 175cfm @ 10:05am; monitoring was limited to locations sensitive to vac/pressure. BS-03 was operating at 130cfm after the AS shutdown.	1.37	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	600
8/6/2021	9:25	10:25	8/6/21 555	56.45	BS-03 275 scfm	1.03	NM	11.7	5.88	0.25	NM	NM	NM	NM	NM	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	555	
8/31/2021	7:45	10:45	8/31/21 500	51.50	BS-03 200 scfm	1.34	NM	14.8	8.6	0.3	3.48	0.48	NM	3.75	0.54	NM	0.05	0	NM	NM	1.1	0.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	500	
9/1/2021	7:45	9:49	9/1/21 450	51.50	BS-03 250 scfm	1.23	NM	14.3	8.32	0.32	3.1	0.39	NM	3.54	0.53	NM	0.01	0	NM	NM	1.57	0.16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	450	
9/9/2021	9:05	12:45	9/9/21 500	51.50	BS-03 150 scfm; Increased BS-03 to 250scfm. Increased BS-02 to 180scfm at 13:50.	1.5	NM	15.1	9.32	1	3.45	0.42	NM	4.11	0.63	NM	0.04	0.01	NM	NM	1.71	0.22	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	500	
9/16/2021	11:00	12:22	9/16/21 550	53.50	BS-03 Flow recovering from 250-300 scfm. Avg. 225 scfm	0.82	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	-0.17	-0.03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	550	
9/21/2021	13:45	14:55	9/21/21 500	54.50	Variable HSVE-01 flow (100-200; 450-500)	1.32	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	500	
9/30/2021	16:30	16:45	9/30/21 400	52.00	400 scfm average flow (varied from 160-530 scfm)	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	400	
Average						1.2	1.3	15.2	9.0	0.3	4.5	0.4	5.1	3.9	0.5	4.7	0.1	0.0	0.8	0.3	1.8	0.2	0.0	1.8	NM	0.0	0.1	0.1	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	17.3				

Appendix D.4. GWE Data

SFPP Norwalk Pump Station, Norwalk, California

Well	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Manual Measurements		Sheen/Odor	Field Calculations	PID
				Depth to Water (ft. BTOC)	Depth to Product (ft. BTOC)	Yes/No	Apparent Product Thickness (ft)	VOC's (ppm)
GMW-O-11	200	4/6/2021	14:00	32	31.9	y	0.1	0.5
GMW-O-12	25	4/6/2021	14:15	31.19	32.02	y	1	36.4
GMW-O-20	120	4/6/2021	14:10	31.78	n/a	n	0	n/a
GMW-O-11	200	4/7/2021	9:34	32.1	32	y	0.1	1.1
GMW-O-12	25	4/7/2021	9:40	32.25	31.87	y	<1.0	6.3
GMW-O-20	120	4/7/2021	9:43	31.78	n/a	n	0	n/a
GMW-O-3	-90	4/7/2021	10:45	31.35	n/a	n	0	9.3
GMW-O-5	-150	4/7/2021	10:56	31.42	n/a	n	0	0.3
MW-SF-9	130	4/7/2021	11:05	n/a	n/a	n/a	n/a	n/a
GMW-O-11	200	4/7/2021	14:36	32.05	n/a	y	0.1	n/a
GMW-O-12	25	4/7/2021	14:20	31.28	31.97	y	<1.0	n/a
GMW-O-20	120	4/7/2021	14:32	31.85	n/a	n	0	n/a
GMW-O-3	-90	4/7/2021	14:47	31.37	n/a	n	0	n/a
GMW-O-5	-150	4/7/2021	14:55	31.38	n/a	n	0	n/a
MW-SF-9	130	4/7/2021	15:05	n/a	n/a	n/a	n/a	n/a
GMW-O-11	200	4/8/2021	14:00	32.05	n/a	n	n/a	0.5
GMW-O-12	25	4/8/2021	14:38	31.28	31.95	y	0.71	7.4
GMW-O-20	120	4/8/2021	14:20	31.85	n/a	n	0	n/a
GMW-O-3	-90	4/8/2021	14:12	31.37	n/a	n	0	0.9
GMW-O-5	-150	4/8/2021	12:50	31.38	n/a	n	0	4.9
GMW-O-11	200	4/15/2021	11:15	32.1	n/a	n	n/a	0
GMW-O-12	25	4/15/2021	11:30	32.04	n/a	n	n/a	0.8
GMW-O-2	160	4/15/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-20	120	4/15/2021	11:25	31.95	n/a	n	0	0
GMW-O-21	40	4/15/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-3	-90	4/15/2021	9:40	31.9	n/a	y	0	0
GMW-O-5	-150	4/15/2021	9:20	31.56	n/a	n	n/a	0
MW-SF-9	130	4/15/2021	12:05	32.53	n/a	n	0	n/a
GMW-O-11	200	4/21/2021	12:10	31.95	n/a	n	n/a	0.1
GMW-O-12	25	4/21/2021	12:33	31.63	n/a	n	n/a	0.1
GMW-O-2	160	4/21/2021	12:26	31.07	n/a	n	n/a	0.9
GMW-O-20	120	4/21/2021	12:18	31.65	n/a	n	n/a	0

Appendix D.4. GWE Data

SFPP Norwalk Pump Station, Norwalk, California

Well	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Manual Measurements		Sheen/Odor	Field Calculations	PID
				Depth to Water (ft. BTOC)	Depth to Product (ft. BTOC)	Yes/No	Apparent Product Thickness (ft)	VOC's (ppm)
GMW-O-21	40	4/21/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-3	-90	4/21/2021	10:00	31.5	n/a	n	0	0.3
GMW-O-5	-150	4/21/2021	9:45	31.5	n/a	n	0	0
MW-SF-9	130	4/21/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-11	200	4/28/2021	12:40	n/a	NA	N	NA	1.2
GMW-O-12	25	4/28/2021	n/a	n/a	n/a	n/a	n/a	2.5
GMW-O-2	160	4/28/2021	11:59	31.66	n/a	n	NA	0.9
GMW-O-20	120	4/28/2021	n/a	n/a	n/a	n/a	n/a	0.8
GMW-O-21	40	4/28/2021	n/a	n/a	n/a	n/a	n/a	0.2
GMW-O-3	-90	4/28/2021	n/a	n/a	n/a	n/a	n/a	0.4
GMW-O-5	-150	4/28/2021	n/a	n/a	n/a	n/a	n/a	0
GMW-O-11	200	5/5/2021	13:40	31.9	n/a	n/a	n/a	3.8
GMW-O-12	25	5/5/2021	13:50	31.06	n/a	n/a	n/a	3.9
GMW-O-2	160	5/5/2021	13:01	31.69	n/a	n/a	n/a	0
GMW-O-20	120	5/5/2021	13:45	31.37	n/a	n/a	n/a	0.9
GMW-O-21	40	5/5/2021	14:43	31.13	n/a	n/a	n/a	0.9
GMW-O-3	-90	5/5/2021	14:06	31.3	n/a	n/a	n/a	1.5
GMW-O-5	-150	5/5/2021	15:00	31.22	n/a	n/a	n/a	0.5
MW-SF-9	130	5/5/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-14	n/a	5/5/2021	n/a	23.9	n/a	n/a	n/a	n/a
GMW-O-11	200	5/11/2021	12:40	30.85	n/a	n/a	0	0.3
GMW-O-12	25	5/11/2021	12:55	28.47	n/a	n/a	0	0.1
GMW-O-2	160	5/11/2021	11:35	31.35	n/a	n/a	0	0.1
GMW-O-20	120	5/11/2021	12:48	29.52	n/a	n/a	0	0.3
GMW-O-21	40	5/11/2021	13:28	29.05	n/a	n/a	0	0
GMW-O-3	-90	5/11/2021	11:50	29.45	n/a	n/a	0	0.2
GMW-O-5	-150	5/11/2021	13:40	29.09	n/a	n/a	0	n/a
GMW-O-11	200	5/11/2021	15:30	30.79	n/a	n/a	0	0
GMW-O-12	25	5/11/2021	15:43	29.74	n/a	n/a	0	0.1
GMW-O-2	160	5/11/2021	15:03	31.03	n/a	n/a	0	0.1
GMW-O-20	120	5/11/2021	15:37	30.03	n/a	n/a	0	0.1

Appendix D.4. GWE Data

SFPP Norwalk Pump Station, Norwalk, California

Well	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Manual Measurements		Sheen/Odor	Field Calculations	PID
				Depth to Water (ft. BTOC)	Depth to Product (ft. BTOC)	Yes/No	Apparent Product Thickness (ft)	VOC's (ppm)
GMW-O-21	40	5/11/2021	16:09	30.04	n/a	n/a	0	0
GMW-O-3	-90	5/11/2021	15:08	29.53	n/a	n/a	0	0.2
GMW-O-5	-150	5/11/2021	16:27	29.5	n/a	n/a	0	0
GMW-O-11	200	5/12/2021	14:40	30.35	n/a	n/a	0	0
GMW-O-12	25	5/12/2021	14:50	27.65	n/a	n/a	0	0.2
GMW-O-2	160	5/12/2021	13:32	31.25	n/a	n/a	0	0.2
GMW-O-20	120	5/12/2021	14:45	28.74	n/a	n/a	0	0.1
GMW-O-21	40	5/12/2021	14:16	27.54	n/a	n/a	0	0
GMW-O-3	-90	5/12/2021	13:38	28.65	n/a	n/a	0	1
GMW-O-5	-150	5/12/2021	13:46	28.82	n/a	n/a	0	n/a
GMW-O-11	200	5/12/2021	9:43	30.69	n/a	n/a	0	0.3
GMW-O-12	25	5/12/2021	10:00	32.09	n/a	n/a	0	8.1
GMW-O-2	160	5/12/2021	8:45	31.55	n/a	n/a	0	0.2
GMW-O-20	120	5/12/2021	9:48	31.5	n/a	n/a	0	0.5
GMW-O-21	40	5/12/2021	10:48	31.75	n/a	n/a	0	0.7
GMW-O-3	-90	5/12/2021	9:00	30.82	n/a	n/a	0	1.2
GMW-O-5	-150	5/12/2021	11:15	29.55	n/a	n/a	0	0.1
GMW-O-11	200	5/13/2021	11:30	30.38	n/a	n/a	n/a	0.6
GMW-O-12	25	5/13/2021	11:45	29.75	n/a	n/a	n/a	5000
GMW-O-2	160	5/13/2021	9:41	30.87	n/a	n/a	n/a	0.4
GMW-O-20	120	5/13/2021	11:37	29.73	n/a	n/a	n/a	0.3
GMW-O-21	40	5/13/2021	10:59	29.66	n/a	n/a	n/a	0.9
GMW-O-3	-90	5/13/2021	9:56	29.05	n/a	n/a	n/a	1.1
GMW-O-5	-150	5/13/2021	10:05	29.33	n/a	n/a	n/a	0.7
GMW-O-14	n/a	5/13/2021	10:18	28.7	n/a	n/a	n/a	3.2
GMW-O-11	200	5/13/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-12	25	5/13/2021	14:37	n/a	n/a	n/a	n/a	5000
GMW-O-2	160	5/13/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-20	120	5/13/2021	13:31	29.87	n/a	n/a	n/a	n/a
GMW-O-21	40	5/13/2021	14:22	29.83	n/a	n/a	n/a	2.4
GMW-O-3	-90	5/13/2021	13:38	29.28	n/a	n/a	n/a	5.2

Appendix D.4. GWE Data

SFPP Norwalk Pump Station, Norwalk, California

Well	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Manual Measurements		Sheen/Odor	Field Calculations	PID
				Depth to Water (ft. BTOC)	Depth to Product (ft. BTOC)	Yes/No	Apparent Product Thickness (ft)	VOC's (ppm)
GMW-O-5	-150	5/13/2021	13:45	29.5	n/a	n/a	n/a	n/a
GMW-O-14	n/a	5/13/2021	13:57	28.75	n/a	n/a	n/a	4.9
GMW-O-11	200	5/18/2021	12:02	31.55	n/a	n	n/a	0.7
GMW-O-12	25	5/18/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-2	160	5/18/2021	12:30	31.4	n/a	n	n/a	0
GMW-O-20	120	5/18/2021	12:10	31.11	n/a	n	n/a	0.6
GMW-O-21	40	5/18/2021	11:04	30.4	n/a	n	n/a	0.3
GMW-O-3	-90	5/18/2021	12:20	31.71	n/a	n	n/a	0
GMW-O-5	-150	5/18/2021	10:11	31.3	n/a	n	n/a	0.8
GMW-O-11	200	5/18/2021	14:50	31.52	n/a	n	n/a	0.1
GMW-O-12	25	5/18/2021	15:05	31.52	n/a	n	n/a	3.6
GMW-O-2	160	5/18/2021	15:19	31.41	n/a	n	n/a	0
GMW-O-20	120	5/18/2021	14:55	30.46	n/a	n	n/a	0.2
GMW-O-21	40	5/18/2021	14:20	30.85	n/a	n	n/a	0.2
GMW-O-3	-90	5/18/2021	15:12	31.88	n/a	n	n/a	0
GMW-O-5	-150	5/18/2021	13:30	31.31	n/a	n	n/a	0.7
GMW-O-11	200	5/14/2021	12:34	31.97	n/a	n	n/a	0.1
GMW-O-12	25	5/14/2021	12:50	n/a	n/a	n	n/a	0
GMW-O-2	160	5/14/2021	11:48	31.69	n/a	n	n/a	5000
GMW-O-20	120	5/14/2021	12:42	31.95	n/a	n	n/a	0
GMW-O-21	40	5/14/2021	13:11	30.15	n/a	n	n/a	2.3
GMW-O-3	-90	5/14/2021	11:57	31.36	n/a	n	n/a	0
GMW-O-5	-150	5/14/2021	13:28	30.11	n/a	n	n/a	0
GMW-O-11	200	5/19/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-12	25	5/19/2021	11:55	31.91	n/a	n/a	n/a	11
GMW-O-2	160	5/19/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-20	120	5/19/2021	11:45	31.36	n/a	n/a	n/a	0.4
GMW-O-21	40	5/19/2021	11:09	31.71	n/a	n/a	n/a	0.7
GMW-O-3	-90	5/19/2021	9:50	30.83	n/a	n/a	n/a	5.4
GMW-O-5	-150	5/19/2021	10:02	31.18	n/a	n/a	n/a	0.2
GMW-O-11	200	5/19/2021	n/a	n/a	n/a	n/a	n/a	n/a

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SFPP Norwalk Pump Station, Norwalk, California

Well	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Manual Measurements		Sheen/Odor	Field Calculations	PID
				Depth to Water (ft. BTOC)	Depth to Product (ft. BTOC)	Yes/No	Apparent Product Thickness (ft)	VOC's (ppm)
GMW-O-12	25	5/19/2021	16:05	29.58	n/a	n/a	n/a	n/a
GMW-O-2	160	5/19/2021	n/a	n/a	n/a	n/a	n/a	17.4
GMW-O-20	120	5/19/2021	15:50	29.49	n/a	n/a	n/a	0.4
GMW-O-21	40	5/19/2021	14:47	29.05	n/a	n/a	n/a	0.1
GMW-O-3	-90	5/19/2021	13:40	29.71	n/a	n/a	n/a	1.3
GMW-O-5	-150	5/19/2021	13:48	30.59	n/a	n/a	n/a	0.3
GMW-O-11	200	5/20/2021	11:25	30.49	n/a	n/a	n/a	0.3
GMW-O-12	25	5/20/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-2	160	5/20/2021	n/a	n/a	n/a	n/a	n/a	n/a
GMW-O-20	120	5/20/2021	11:38	29.92	n/a	n/a	n/a	0.3
GMW-O-21	40	5/20/2021	11:06	29.93	n/a	n/a	n/a	0.3
GMW-O-3	-90	5/20/2021	10:47	29.98	n/a	n/a	n/a	0.3
GMW-O-5	-150	5/20/2021	10:38	30.65	n/a	n/a	n/a	0.1
GMW-O-2	160	5/25/2021	9:48	31.05	n/a	n/a	n/a	n/a
GMW-O-3	-90	5/25/2021	9:45	29.36	n/a	n/a	n/a	n/a
GMW-O-11	200	5/25/2021	9:28	30.95	n/a	n/a	n/a	n/a
GMW-O-12	25	5/25/2021	9:40	31.34	n/a	n/a	n/a	n/a
GMW-O-20	120	5/25/2021	9:32	29.89	n/a	n/a	n/a	n/a
GMW-O-21	40	5/25/2021	10:12	29.11	n/a	n/a	n/a	n/a
GMW-O-2	160	5/25/2021	14:39	31.11	n/a	n/a	n/a	n/a
GMW-O-3	-90	5/25/2021	14:29	29.74	n/a	n/a	n/a	n/a
GMW-O-5	-150	5/25/2021	13:10	32.94	n/a	n/a	n/a	n/a
GMW-O-11	200	5/25/2021	13:56	31.15	n/a	n/a	n/a	n/a
GMW-O-12	25	5/25/2021	14:20	31.44	n/a	n/a	n/a	n/a
GMW-O-20	120	5/25/2021	14:06	30.15	n/a	n/a	n/a	n/a
GMW-O-21	40	5/25/2021	13:31	30.85	n/a	n/a	n/a	n/a
GMW-O-3	-90	5/26/2021	13:05	29.69	n/a	n/a	n/a	0
GMW-O-2	160	5/27/2021	9:45	30.81	n/a	n/a	n/a	0
GMW-O-3	-90	5/27/2021	9:48	28.95	n/a	n/a	n/a	0
GMW-O-5	-150	5/27/2021	9:55	30.05	n/a	n/a	n/a	0
GMW-O-11	200	5/27/2021	10:59	29.98	n/a	n/a	n/a	0

Appendix D.4. GWE Data

SFPP Norwalk Pump Station, Norwalk, California

Well	Approximate Distance to HSVE-01 (ft) (negative upgradient)	Date	Time	Manual Measurements		Sheen/Odor	Field Calculations	PID
				Depth to Water (ft. BTOC)	Depth to Product (ft. BTOC)	Yes/No	Apparent Product Thickness (ft)	VOC's (ppm)
GMW-O-12	25	5/27/2021	11:10	n/a	n/a	n/a	n/a	535
GMW-O-14	10	5/27/2021	10:01	n/a	n/a	n/a	n/a	0
GMW-O-20	120	5/27/2021	11:04	n/a	n/a	n/a	n/a	405
GMW-O-21	40	5/27/2021	10:30	28.74	n/a	n/a	n/a	0
GMW-O-3	-90	6/1/2021	13:39	30.44	n/a	n/a	n/a	n/a
GMW-O-5	-150	6/1/2021	12:43	31.15	n/a	n/a	n/a	n/a
GMW-O-11	200	6/1/2021	14:15	30.25	n/a	n/a	n/a	n/a
GMW-O-12	25	6/1/2021	13:38	37.75	n/a	n/a	n/a	n/a
GMW-O-14	10	6/1/2021	12:52	n/a	n/a	n/a	n/a	n/a
GMW-O-20	120	6/1/2021	14:22	30.17	n/a	n/a	n/a	n/a
GMW-O-21	40	6/1/2021	13:33	30.66	n/a	n/a	n/a	n/a
GMW-O-11	200	6/10/2021	11:15	30.72	n/a	n/a	n/a	n/a
GMW-O-12	25	6/10/2021	11:25	28	n/a	n/a	n/a	n/a
GMW-O-11	200	6/10/2021	14:27	30.63	n/a	n/a	n/a	n/a
GMW-O-12	25	6/10/2021	14:37	27.95	n/a	n/a	n/a	n/a
GMW-O-3	-90	6/11/2021	10:18	28.03	n/a	n/a	n/a	n/a
GMW-O-5	-150	6/11/2021	10:10	29.23	n/a	n/a	n/a	n/a
GMW-O-11	200	6/11/2021	9:04	30.25	n/a	n/a	n/a	n/a
GMW-O-20	120	6/11/2021	9:10	28.61	n/a	n/a	n/a	n/a
GMW-O-21	40	6/11/2021	9:50	28.45	n/a	n/a	n/a	n/a
GMW-O-3	-90	6/22/2021	10:20	30.49	n/a	n/a	n/a	n/a
GMW-O-5	-150	6/22/2021	10:08	30.36	n/a	n/a	n/a	n/a
GMW-O-21	40	6/22/2021	9:45	31.34	n/a	n/a	n/a	n/a
GMW-O-3	-90	6/28/2021	13:08	30.55	n/a	n/a	n/a	n/a
GMW-O-5	-150	6/28/2021	13:30	30.45	n/a	n/a	n/a	n/a
GMW-O-11	200	6/28/2021	12:30	30.59	n/a	n/a	n/a	n/a
GMW-O-21	40	6/28/2021	12:59	30.91	n/a	n/a	n/a	n/a

Appendix D.5 HSVE-01 Cumulative Mass Removed
SFPP Norwalk Pump Station, Norwalk, California

Date	Biodegradation							Cumulative Mass Removed (lbs)	Flow (scfm)
	CO2			C14 Correction Applied					
	CO2 Production (scf/minute)	CO2 Production (lbs/minute)	C14 Correction Factor Based on BaCO3	Equivalent Mass Biodegraded by CO2 (lbs/minute) C14 Corrected	Equivalent Mass Biodegraded by CO2 (lbs/day) C14 Corrected	Cumulative Equivalent Mass Consumed by CO2 (lbs)	Total Biodegraded Mass (lbs) C14 Corrected		
4/6/21 12:25	19.38	2.38	0.65	0.50	726.18	0	0	0	0
4/6/21 16:00	20.03	2.46	0.65	0.52	750.38	108	112	118	0
4/7/21 7:35	18.09	2.22	0.65	0.47	677.77	596	552	585	0
4/7/21 12:45	24.06	2.95	0.65	0.63	901.69	742	746	794	0
4/7/21 15:25	22.53	2.76	0.65	0.59	844.13	842	840	895	0
4/8/21 7:35	20.48	2.51	0.65	0.53	767.40	1410	1357	1459	0
4/8/21 11:00	17.41	2.14	0.65	0.45	652.29	1520	1450	1561	0
4/8/21 12:00	19.04	2.34	0.65	0.50	713.44	1547	1480	1593	0
4/8/21 15:00	18.48	2.27	0.65	0.48	692.45	1636	1566	1689	0
4/15/21 9:00	19.60	2.40	0.65	0.51	734.42	6310	6523	7150	0
4/21/21 13:00	13.90	1.70	0.65	0.36	520.81	10839	9735	10687	0
4/28/21 11:00	7.70	0.94	0.65	0.20	288.52	14441	11731	13092	0
5/5/21 9:00	7.15	0.88	0.65	0.19	267.91	16437	13584	15415	0
5/5/21 15:45	7.15	0.88	0.65	0.19	267.91	16512	13659	15511	0
5/11/21 16:45	4.39	0.54	0.65	0.11	164.51	18131	14653	17763	45
5/12/21 8:15	6.37	0.78	0.65	0.17	238.69	18237	14807	17960	45
5/12/21 15:00	4.90	0.60	0.65	0.13	183.61	18304	14859	18099	100
5/13/21 9:00	5.82	0.71	0.65	0.15	218.16	18442	15022	18308	100
5/13/21 14:52	4.48	0.55	0.65	0.12	167.82	18495	15063	18522	100
5/14/21 8:30	4.93	0.60	0.65	0.13	184.60	18619	15199	19179	50
5/14/21 14:18	0.90	0.11	0.65	0.02	33.56	18663	15207	19353	50
5/18/21 9:00	9.31	1.14	0.65	0.24	348.85	18790	16526	21498	50
5/18/21 12:52	5.88	0.72	0.65	0.15	220.33	18846	16561	21581	50
5/18/21 15:30	5.88	0.72	0.65	0.15	220.33	18870	16585	21650	50
5/19/21 9:30	5.37	0.66	0.65	0.14	201.38	19036	16736	21848	50
5/19/21 13:10	4.15	0.51	0.65	0.11	155.33	19066	16760	21979	100
5/19/21 16:15	3.80	0.47	0.65	0.10	142.48	19086	16778	22005	100
5/20/21 9:30	6.86	0.84	0.65	0.18	257.05	19189	16963	22240	100
5/20/21 11:49	4.41	0.54	0.65	0.11	165.24	19214	16979	22263	100
5/26/21 11:02	5.13	0.63	0.65	0.13	192.36	20200	18127	23746	100
5/26/21 12:15	4.71	0.58	0.65	0.12	176.33	20209	18136	23758	150
5/26/21 14:01	4.44	0.54	0.65	0.12	166.22	20222	18148	23775	150
5/27/21 7:48	6.70	0.82	0.65	0.17	250.90	20346	18334	24010	150
5/27/21 11:20	5.58	0.68	0.65	0.15	209.09	20382	18365	24051	200
5/28/21 10:15	6.17	0.76	0.65	0.16	231.04	20582	18585	24319	100
5/28/21 11:30	4.74	0.58	0.65	0.12	177.72	20594	18595	24332	100
6/1/21 12:40	7.13	0.87	0.65	0.19	267.09	21314	19676	25707	100
6/1/21 14:45	5.94	0.73	0.65	0.15	222.57	21337	19695	25732	100
6/10/21 10:35	7.80	0.96	0.65	0.20	292.27	23301	22275	29097	200
6/10/21 12:58	8.40	1.03	0.65	0.22	314.75	23330	22306	29137	200
6/10/21 15:09	6.00	0.74	0.65	0.16	224.82	23359	22327	29165	200
6/11/21 7:55	8.40	1.03	0.65	0.22	314.75	23516	22547	29443	300
6/11/21 10:28	5.40	0.66	0.65	0.14	202.34	23550	22568	29474	300
6/22/21 7:55	7.72	0.95	0.65	0.20	289.35	25754	25720	33332	200
6/25/21 8:45	8.08	0.99	0.65	0.21	302.70	26632	26639	34423	250
6/25/21 11:02	5.45	0.67	0.65	0.14	204.03	26661	26658	34449	250
6/28/21 11:00	6.53	0.80	0.65	0.17	244.83	27273	27392	35421	250
6/28/21 11:10	6.53	0.80	0.65	0.17	244.83	27274	27394	35423	250
6/28/21 13:50	5.94	0.73	0.65	0.15	222.57	27301	27419	35456	250
7/23/21 8:00	5.77	0.71	0.65	0.15	216.28	32812	32773	42275	130
7/23/21 9:00	5.77	0.71	0.65	0.15	216.28	32821	32782	42287	130
8/6/21 9:25	0.00	0.00	0.65	0.00	0.00	35852	32782	43185	275
8/31/21 7:45	2.84	0.35	0.65	0.07	106.23	35852	35431	45963	200
8/31/21 10:45	3.85	0.47	0.65	0.10	144.26	35866	35449	45987	250
9/1/21 7:45	3.06	0.38	0.65	0.08	114.66	35992	35549	46104	250
9/1/21 8:00	3.37	0.41	0.65	0.09	126.13	35993	35550	46105	250
9/9/21 9:05	3.80	0.47	0.65	0.10	142.20	37008	36694	47432	150
9/9/21 12:45	5.50	0.67	0.65	0.14	206.09	37029	36726	47468	150
9/16/21 11:00	8.80	1.08	0.65	0.23	329.74	38457	39010	50041	275
9/21/21 13:45	1.60	0.20	0.65	0.04	59.95	40144	39316	50371	200
9/21/21 14:45	4.00	0.49	0.65	0.10	149.88	40146	39323	50384	200
9/21/21 14:55	6.00	0.74	0.65	0.16	224.82	40147	39324	50387	200
9/30/21 16:30	2.40	0.29	0.65	0.06	89.93	42185	40140	52708	250

Appendix E
Third Quarter 2021 Groundwater Technical Memorandum

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Subject	Third Quarter 2021 Groundwater Monitoring Event, SFPP Norwalk Pump Station, Norwalk, California	Project Name	SFPP Norwalk Pump Station, Norwalk, California
Attention	Ryan Koch/Kinder Morgan, Inc.		
From	Malcolm Thomas/Jacobs Todd Kremmin/Jacobs		
Date	October 15, 2021		
Copies to	File		

This technical memorandum (TM) provides information pertaining to the third quarter 2021 groundwater monitoring event at the SFPP, L.P. (SFPP) Norwalk Pump Station located within Defense Fuel Support Point (DFSP) Norwalk, at 15306 Norwalk Boulevard, Norwalk, California (the site). This TM includes groundwater gauging and sampling data from selected wells located in the offsite/south-central area, south-central area, and southeastern area of the site. Monitoring activities were performed in accordance with comments received from the California Regional Water Quality Control Board, Los Angeles Region (RWQCB) on the Biosparging Effectiveness Evaluation and Recommendations.¹

Beginning February 23, 2021, pump and treat remedial system activities were suspended, as detailed in Jacobs *Request for Approval to Temporarily Suspend Hydraulic Control in the Southeastern and Offsite/South-Central Areas, SFPP Norwalk Pump Station, Norwalk, California* submitted to the RWQCB electronically on January 8, 2021, and conditionally approved by the RWQCB via electronic mail on January 20, 2021. Limited groundwater monitoring is conducted in the first and third quarters each year to monitor dissolved phase trends following the temporary suspension of hydraulic control in the southeastern and offsite/south-central areas.

1. Field and Laboratory Activities

Groundwater levels were gauged and samples were collected by Blaine Tech Services (BTS) between August 31, 2021, and September 01, 2021. Water levels were measured in 14 wells. In total, 14 samples were collected from 13 wells (MW-O-1 was not sampled because it was dry), including one duplicate sample. Wells with a sheen or measurable light nonaqueous phase liquid (LNAPL) thickness were gauged and sampled by Jacobs during this event, specifically GMW-O-12, GMW-23, and GMW-29. A description of

¹ California Regional Water Quality Control Board, Los Angeles Region (RWQCB). 2020. Comments on the Biosparging Effectiveness Evaluation and Recommendations, South-Central Area (Report), 15306 Norwalk Boulevard, Norwalk (SLIC No. 0286A, DOD No. 16638). April 8.

this specialized sampling in the presence of LNAPL for these three locations is provided in Section 1.1. Table 1 provides a summary of the monitoring well network.

Sampling was conducted using low-flow sampling methods, as described in Section 1.1. Tables 2 and 3 list the wells that were gauged and sampled during the third quarter 2021 event and provide the associated groundwater elevations and analytical results. Well gauging and sampling records for the quarterly event are provided in Attachment A.

1.1 Field Methods

BTS field technicians used an electronic oil-water interface probe to measure the depth to water, and if present, free product thickness in the monitored wells. Down-well field instruments used to gauge the wells were cleaned with a phosphate-free detergent and then rinsed successively with distilled water before each use. Monitored groundwater wells were gauged prior to sampling.

Prior to sampling, each well was purged using low-flow purge techniques at a rate between 100 to 500 milliliters per minute. During purging, groundwater field parameters (temperature, pH, electrical conductivity, turbidity, dissolved oxygen, and oxidation-reduction potential) were monitored. Water levels also were monitored during low-flow purging to verify drawdown. Samples for SFPP were collected using a 2-inch-diameter submersible Grundfos pump. New or dedicated tubing was used to sample each well. Well gauging and sampling records are provided in Attachment A.

Sampling of wells containing LNAPL was conducted at GMW-O-12, GMW-23, and GMW-29. Prior to sample collection, an attempt was made to baildown the LNAPL column at each well, using a disposable bailer, until a product thickness of approximately 0.0-foot was achieved. Following bailing activities, a 2-inch-diameter Grundfos submersible pump was installed in the middle of the screen interval at each LNAPL containing well. Following low-flow purging, groundwater samples were collected by Jacobs field staff. New tubing was used to sample each well. Well gauging and sampling records are provided in Attachment A.

Water samples were collected after groundwater field parameters stabilized (less than 10 percent change between successive measurements). Water samples to be analyzed for total petroleum hydrocarbons (TPH) quantified as gasoline (TPH-g), TPH quantified as diesel (TPH-d), and volatile organic compounds (VOCs) were collected in 40-milliliter volatile organic analysis (VOA) vials containing hydrochloric acid preservative, filled slightly above the top of the vial to form a positive meniscus (zero headspace), and sealed with Teflon septa and airtight caps.

1.2 Laboratory Analytical Methods

The laboratory analytical program for the sampling events included analysis for VOCs using U.S. Environmental Protection Agency (EPA) Method 8260B, and TPH using purge-and-trap and/or extraction sample preparation techniques followed by EPA Method 8015 (modified). Results for TPH analyses using the purge-and-trap preparation technique were quantified and reported against a commercial gasoline standard (C4 to C13) and are abbreviated as "TPH-g" throughout this TM. Results for TPH analyses using extraction sample preparation for groundwater samples were quantified and reported

against a commercial diesel standard (C14 to C22) and are abbreviated as “TPH-d” throughout this TM. A copy of the laboratory analytical report is presented in Attachment B.

2. Groundwater Gauging Results

Measurements of groundwater levels and free product thickness collected during the quarterly monitoring event are described in this section.

Free product thickness, depth to groundwater, and calculated groundwater elevations are presented in Table 2. Groundwater elevations in SFPP wells with measurable free product were corrected for water-product density differences using the estimated specific gravity for the free product (0.80), based on field measurements collected during baildown testing conducted in 2014. The measured product thickness was multiplied by the specific gravity value and then added to the measured groundwater elevation resulting in the “corrected groundwater elevation” values provided in Table 2. Groundwater elevation contours for the uppermost groundwater zone, along with estimated extent of free product, are shown on Figure 1. Historical groundwater level measurements, free product thicknesses, and groundwater elevations are presented in Attachment C.

2.1 Groundwater Flow Conditions

During the third quarter 2021 monitoring event, groundwater elevations used in contouring the potentiometric surface of the uppermost groundwater zone ranged from 39.30 feet above mean sea level (amsl) in MW-O-2 (located in the offsite/south-central area) to 51.17 feet amsl at GMW-O-14 (located within the offsite/south-central area). Overall, groundwater elevations at select onsite/south-central, southeastern, and offsite/south-central area wells increased by an average of 0.648 foot compared to the second semiannual 2020 monitoring event. The largest increase was observed at GMW-O-14 (9.37 feet), located in the offsite/south-central area of the site. Compared to the second quarter 2021 monitoring event, groundwater elevations at select south-central, southeastern, and offsite/south-central area wells increased 1.37 feet, with the largest increase at GMW-O-14 (8.57 feet). Compared to previous monitoring events, the increase in groundwater elevations at offsite/south-central area wells during the third quarter 2021 can likely be attributed to the operation of the offsite/south-central biosparge well (BS-03).

The estimated average horizontal hydraulic gradient during this event was approximately 0.055 foot per foot (ft/ft) to the north/northwest at the onsite/south-central, offsite/south-central, and south-central portions of the terminal. The horizontal gradient in the southeastern portion of the terminal was approximately 0.0186 ft/ft north/northeast. These gradient values are different from the conditions observed during the fourth quarter 2020 and second quarter 2021 monitoring events. The gradient change at the offsite/south-central area is likely due to the operation of the offsite/south-central horizontal soil vapor extraction well (HSVE-01) and horizontal biosparge well (BS-03). The gradient variation at the southeastern portion of the site is likely due to the operation of the horizontal biosparge well (BS-02) during the monitoring event.

2.2 Distribution of Free Product

During this quarterly monitoring event, measurable free product was observed in two of the 14 wells gauged (GMW-23 and GMW-29), with a product thickness of 5.62 feet and 0.66 foot, respectively. A sheen

was detected at GMW-O-12 this quarter. GMW-O-12, GMW-23, and GMW-29 have historically contained measurable product. Product thickness, well gauging data, and groundwater elevations from this sampling event are summarized in Table 2. The detection of free product at these wells during this monitoring event was used to update and confirm the current extent of free product onsite in the south-central and offsite/south-central areas. This interpretation is shown on Figure 1.

3. Groundwater Quality

The third quarter 2021 groundwater monitoring analytical results for TPH, benzene, toluene, ethylbenzene, and total xylenes (BTEX), 1,2-dichloroethane (1,2-DCA), methyl tertiary butyl ether (MTBE), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and tertiary amyl methyl ether (TAME) are summarized in Table 3; other VOCs analyzed by EPA Method 8260B are summarized in Table 4. Historical analytical results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME are presented in Attachment D. Time-series charts for select monitoring and remediation wells are presented in Attachment E. Copies of the laboratory reports for the third quarter monitoring event are presented in Attachment B.

The following subsections summarize the results for selected analytes or analyte groups for the third quarter 2021. Analytical results for wells sampled during the third quarter 2021 are compared to those sampled during the second quarter 2021. Statistics (general, Mann-Kendall, and Theil-Sen) are included for context in the overall conceptual site model for these particular wells. The statistical analysis was conducted using TPH-g, as all available data for TPH-g in relation to other constituents (benzene, toluene, MTBE, etc.) showed the strongest correlation compared to other detected samples over time, deeming it a useful indicator constituent for all other contaminants of potential concern (COPCs) at the site. TPH-d is also a prevalent COPC at the site; however, it does not correlate well with more soluble COPCs, such as benzene, and overall is less of a remedial driver for the site.

In addition to TPH-g, benzene was analyzed statistically and summarized in Attachment F. Trend analyses were performed using the EPA software ProUCL 5.1, at a confidence level of 0.95, where the number of values (n) exceeded three or more and was less than 75 percent nondetect. The analyses were replicated with varying datasets in time (whole dataset, pre-2010, post-2010, and post-2016) to evaluate trends in relation to site remediation narratives.

3.1 Total Petroleum Hydrocarbons

TPH-g was detected in eight of the thirteen wells sampled, and TPH-d was detected in twelve wells sampled at the site in the third quarter 2021. TPH-g was detected at a maximum concentration of 19,000 micrograms per liter ($\mu\text{g/L}$) at GMW-23 and at a minimum concentration of 57 $\mu\text{g/L}$ at GMW-O-23. TPH-d was detected at a maximum concentration of 28,000 $\mu\text{g/L}$ at GMW-O-12 and a minimum concentration of 60 $\mu\text{g/L}$ at GMW-28. GMW-23 and GMW-29 contained measurable product, while GMW-O-12 had a sheen during this event. Wells with detectable TPH-g and TPH-d this reporting period are summarized in Table 3.

Of the five south-central wells sampled during the third quarter 2021 event, four had detections of TPH-g, specifically GMW-10, GMW-23, GMW-29, and GMW-36. Both GMW-23 and GMW-29 had the highest concentrations of TPH-g. However, as mentioned above, these locations have been observed to

consistently contain free product. GMW-23 had a concentration of 19,000 µg/L in the third quarter 2021 but is down 49 percent from a historical high of 37,000 µg/L in the second quarter 2015 and has a stable Mann-Kendall statistical trend. GMW-29 had a concentration of 2,200 µg/L in the third quarter 2021 and is down significantly (97 percent) from a high of 74,000 µg/L in the first quarter 2016. GMW-10 has also illustrated stable trends and has reduced 99 percent in TPH-g concentration from its historical high in the fourth quarter 2015. The concentration of TPH-g at GMW-36 increased from nondetect in the second quarter 2021 to 2,300 µg/L in the third quarter 2021. Concentrations at GMW-36 are down more than 99 percent from a historical high of 560,000 µg/L in April 2013 and statistical trends confirm concentrations are decreasing and/or stable at this location.

Of the eight offsite/south-central wells sampled during the third quarter 2021 event, four wells had detections of TPH-g, specifically GMW-O-12, GMW-O-20, GMW-O-23, and MW-O-2. All locations had lower concentrations than the second quarter 2021, except GMW-O-12, which was not sampled during the second quarter 2021. Generally, there is a seasonal trend noted from these wells, but the observed decreases during this quarter's sampling event point towards BS-03 and HSVE-01 providing effective remediation and lowering concentrations. Exhibit 1 shows an example of the historical seasonal fluctuations and the recent decreasing trend. All offsite/south-central area wells now show a decreasing Mann-Kendall trend except for MW-O-2, which continues to show a stable trend.

Of the five south-central wells sampled for TPH-d during the third quarter 2021 event, one well had a lower concentration than in the second quarter 2021 and two wells had higher concentrations than in the second quarter 2021. Similar to the TPH-g results, GMW-23 and GMW-29 had high detections of TPH-d; however, no trends have been established for these wells as no recent historical data are available. On average, TPH-d concentrations increased 647 µg/L. The largest increase in TPH-d occurred at GMW-36 (100 µg/L in the second quarter 2021 and 2,100 µg/L in the third quarter 2021). The only decrease occurred at GMW-10 (19,000 µg/L in the second quarter 2021 and 15,000 µg/L in the third quarter 2021).

Of the eight offsite/south-central wells sampled for TPH-d during the third quarter 2021 sampling event, five wells had lower concentrations than in the second quarter 2021 and two wells had higher concentrations than in the second quarter 2021. GMW-O-12 was not sampled in the second quarter 2021 and has an elevated concentration of TPH-d of 28,000 µg/L. As noted above, there is typically a seasonal fluctuation observed from these wells; however, the decreases during this quarter's sampling event appear to be related to the operation of the BS-03 and HSVE-01 remediation system, which has lowered concentrations at a majority of offsite/south-central wells.

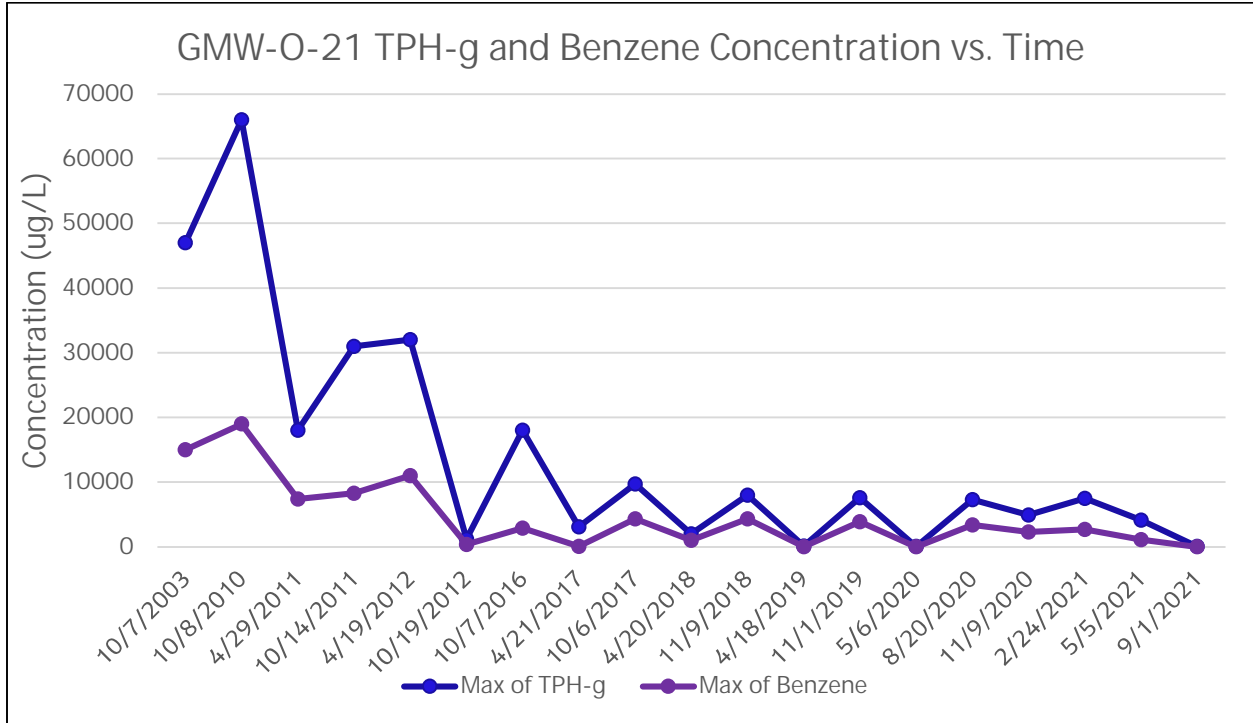


Exhibit 1. GMW-O-21 TPH-g and Benzene Concentration ($\mu\text{g/L}$) Over Time

3.2 Benzene

Benzene was detected in six of the thirteen wells sampled during the third quarter 2021 monitoring event, with a maximum detected concentration of $130 \mu\text{g/L}$ at GMW-23 and a minimum concentration of $7.5 \mu\text{g/L}$ at GMW-O-20. Wells with detectable benzene concentrations this quarter include GMW-23, GMW-29, GMW-36, GMW-O-12, GMW-O-20, and MW-O-2.

Of the five south-central wells sampled during the third quarter 2021 event, three had detections of benzene including GMW-23, GMW-29, and GMW-36. Both GMW-23 and GMW-29 had the highest concentrations of benzene at 130 and $86 \mu\text{g/L}$, respectively. As mentioned above, these locations have been observed to consistently contain free product. Neither of these locations had been sampled in recent years; however, as of the third quarter 2021, both show significant decreases (both 99 percent) in benzene from their historical highs of $11,000 \mu\text{g/L}$ in October 2014 and $8,900$ in July 2004, respectively. The benzene concentration at GMW-36 increased slightly from nondetect in the second quarter 2021 to $21 \mu\text{g/L}$ in the third quarter 2021. However, this concentration is significantly (about 99 percent) lower than the historical high of $28,000 \mu\text{g/L}$ in July 2002. All three onsite monitoring wells with detections have demonstrated decreasing or stable benzene concentrations since 2016.

Of the eight offsite/south-central wells sampled during the third quarter 2021 event, three had detections of benzene, specifically GMW-O-12, GMW-O-20, and MW-O-2. GMW-O-12 had a concentration of $23 \mu\text{g/L}$ in the third quarter 2021, which is significantly lower (99 percent) than the historical high of $13,000 \mu\text{g/L}$ measured in the fourth quarter 2013. Both GMW-O-20 and MW-O-2 had lower concentrations in the

third quarter 2021 than in the second quarter 2021, inconsistent with recent trends which show concentrations peaking in the second half of the year due to seasonal fluctuations (Exhibit 1). As described in Section 3.1, this is likely due to the operation of BS-03 and HSVE-01 in this area. All offsite wells with detections of benzene have demonstrated decreasing or stable benzene concentrations since 2016.²

3.3 1,2 Dichloroethane (1,2-DCA)

1,2-DCA was not detected above laboratory reporting limits in any of the 13 wells sampled in the third quarter 2021.

3.4 Methyl Tertiary Butyl Ether (MTBE)

Four of the eight offsite/south-central wells sampled during the third quarter 2021 had detections of MTBE. There were no detections of MTBE observed in the south-central area wells. Three of the four offsite/south-central wells with MTBE detections had lower concentrations in the third quarter 2021 compared to the second quarter 2021. As described in Section 3.1, this is likely due to the operation of BS-03 and HSVE-01 in this area. GMW-O-20 increased slightly from 8.8 µg/L in the second quarter 2021 to 11 µg/L in the third quarter 2021.

3.5 Tertiary Butyl Alcohol (TBA)

Of the five south-central wells sampled during the third quarter 2021 event, two had detections of TBA including GMW-28 and GMW-36. Both locations showed an increase in TBA concentrations from 24 µg/L in the second quarter 2021 to 62 µg/L in third quarter 2021 and 25 µg/L in the second quarter 2021 to 300 µg/L in third quarter 2021, respectively.

Of the eight offsite/south-central wells sampled during the third quarter 2021 event, three had detections of TBA including GMW-O-11, GMW-O-20, and MW-O-2. Both GMW-O-11 and MW-O-2 decreased in concentration from 170 µg/L in the second quarter 2021 to 21 µg/L in the third quarter 2021 and 400 µg/L in the second quarter 2021 to 300 µg/L in the third quarter 2021, respectively. GMW-O-20 increased from nondetect in the second quarter 2021 to 620 µg/L in the third quarter 2021.

4. Data Quality Assurance/Quality Control

Data quality was evaluated by examining the holding times, laboratory method blanks, an EB, a TB, a FD, surrogate percent recoveries, laboratory control sample/laboratory control sample duplicates (LCS/LCSD) and matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and relative percent differences (RPDs). Data quality review results for each analysis are outlined in the following subsections.

² GMW-O-12 show a stable trend since 2010. Insufficient data are available to provide accurate trend analysis since 2016.

4.1 Analytical Data

The data quality evaluation report covers 13 normal environmental samples, one FD, one EB and one TB. Samples were collected August 31 and September 1, 2021. Analyses were performed by Alpha Analytical, Inc. Environmental Lab in Sparks, Nevada (ALPHA). The sample results were reported as one sample delivery group (SDG):

Sample Delivery Group
2109083

Two methods were used to analyze the environmental samples. Samples were collected and submitted directly to the laboratory for analysis. Samples were analyzed for the following analytes/methods:

Parameter	Method
VOCs	SW8260B
TPH-d	SW8015C
TPH-g	SW8015C

Data validation flags were assigned using guidance from the EPA National Functional Guidelines for Organic Data Review (EPA, 2017³). Multiple flags are routinely applied to specific sample method/ matrix/ analyte combinations, but there will be only one final flag. A final flag is applied to the data and is the most conservative of the applied data validation flags. The final flag also includes blank sample impacts.

The data validation flags are those listed in the EPA National Functional Guidelines and include the following:

- J = Analyte was present, but the reported value may not be accurate or precise (estimated). The result was estimated because it was less than the referenced reporting limit, but greater than the method detection limit, or because a QC exceedance occurred.
- R = Data were unusable because of deficiencies in the ability to analyze the sample and meet QC criteria.
- U = Analyte was not detected at the specified detection limit.
- UJ = Analyte was not detected, and the specified detection limit may not be accurate or precise (estimated).

5. Findings

The overall summaries of the data validation findings are contained in the following subsections.

³ U.S. Environmental Protection Agency (EPA). 2017. *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*. September.

Holding Times

All holding time criteria were met.

Method Blanks

Method blanks were analyzed at the required frequency and were free of contamination that would affect the sample results.

Field Blanks

Field blanks were reviewed to ascertain field compliance and data quality issues. The field blanks were free of contamination that would affect the sample results.

Field Duplicates

One FD set was collected and analyzed during this quarter, as summarized in Table 5. Comparison of the analytical results for the FD sample and the associated parent sample indicates that the RPD criteria of less than 30 percent were met for all compounds.

Surrogates

All surrogate recovery criteria were met.

Laboratory Control Samples

LCS/LCSDs were analyzed as required. All accuracy and precision criteria were met.

Matrix Spikes/Matrix Spike Duplicates

The results of MS/MSD analyses provide information about the possible influence of the matrix on either accuracy or precision of the measurements. There were no MS/MSD recovery or RPD exceedances that would affect the sample results.

Chain-of-Custody

Each sample was documented on a completed chain-of-custody form and received at the laboratory in good condition.

Overall Assessment

An overall evaluation of the data indicates that the sample handling, shipment, and analytical procedures have been adequately completed, and that the analytical results are considered usable, taking into consideration possible biases as described above.

Tables

Table 1. Monitoring Well Summary
Defense Fuel Support Point, Norwalk, California

Well	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet amsl)
BW-1	5/16/96	GMX	55	5	31.9 - 51.4	0.01	73.17
BW-2	5/20/96	GMX	53.5	5	27 - 46.5	0.01	73.57
BW-3	5/17/96	GMX	55.5	5	30.6 - 50	0.01	74.16
BW-4	5/20/96	GMX	53.1	5	28.2 - 47	0.01	74.61
BW-5	5/23/96	GMX	52.5	5	27 - 45.5	0.01	73.59
BW-6	5/22/96	GMX	52.4	5	27.6 - 46.9	0.01	73.48
BW-7	5/22/96	GMX	52	5	27.1 - 46.3	0.01	74.65
BW-8	5/21/96	GMX	51.5	5	27 - 46.4	0.01	75.08
BW-9	5/21/96	GMX	52.5	5	26.9 - 46.4	0.01	76.19
EXP-1	3/6/92	WC	128.5	4	82 - 122	0.01	78.44
EXP-2	10/15/92	WC	149	4	90 - 120	0.02	79.43
EXP-3	10/20/92	WC	150	4	85 - 115	0.01	77.58
EXP-4	7/7/98	GMX	118	4	96.1 - 115.2	0.02	79.81
EXP-5	7/8/98	GMX	120	4	94.4 - 113.4	0.02	72.41
GMW-1	5/16/91	GTI	50	4	20 - 50	0.01	74.77
GMW-2	5/16/91	GTI	50	4	20 - 50	0.01	73.57
GMW-3	5/17/91	GTI	50	4	20 - 50	0.01	75.10
GMW-4	5/21/91	GTI	50	4	20 - 50	0.01	75.45
GMW-5	5/21/91	GTI	50	4	20 - 50	0.01	77.61
GMW-6	7/9/91	GTI	50	4	25 - 50	0.01	77.31
GMW-7	7/9/91	GTI	50	4	25 - 50	0.01	75.84
GMW-8	7/10/91	GTI	50	4	25 - 50	0.01	73.20
GMW-9	7/8/91	GTI	50	4	20 - 50	0.01	77.16
GMW-10	7/8/91	GTI	50	4	25 - 50	0.01	73.35
GMW-11	7/9/91	GTI	50	4	20 - 50	0.01	72.90
GMW-12	7/9/91	GTI	50	4	25 - 50	0.01	75.21
GMW-13	7/8/91	GTI	50	4	25 - 50	0.01	74.17
GMW-14	7/10/91	GTI	50	4	25 - 50	0.01	74.72
GMW-15	7/30/91	GTI	50	4	25 - 50	0.01	76.21
GMW-16	8/1/91	GTI	50	4	25 - 50	0.01	77.00
GMW-17	8/1/91	GTI	50	4	25 - 50	0.01	74.66
GMW-18	7/31/91	GTI	50	4	25 - 50	0.01	75.36
GMW-19	7/31/91	GTI	50	4	25 - 50	0.01	76.83
GMW-20	8/1/91	GTI	50	4	25 - 50	0.01	75.10
GMW-21	8/2/91	GTI	50	4	25 - 50	0.01	76.23
GMW-22	8/2/91	GTI	61	4	25 - 60	0.01	77.24
GMW-23	8/2/91	GTI	60	4	25 - 60	0.01	74.85
GMW-24	8/5/91	GTI	60	4	25 - 60	0.01	77.48
GMW-25	1/10/92	GTI	50	6	20 - 50	0.01	78.14
GMW-26	1/7/92	GTI	51.5	4	20 - 50	0.01	74.52
GMW-27	1/10/92	GTI	50	4	20 - 50	0.01	74.41
GMW-28	1/7/92	GTI	50	4	20 - 50	0.01	74.68
GMW-29	1/9/92	GTI	50	4	20 - 50	0.01	77.57
GMW-30	1/9/92	GTI	51.5	6	20 - 50	0.01	74.91
GMW-31	6/2/93	GTI	65	4	25 - 65	0.01	76.50
GMW-32	6/1/93	GTI	50	4	20 - 50	0.02	74.62
GMW-33	6/1/93	GTI	50	4	20 - 50	0.02	74.88
GMW-34	6/3/93	GTI	50	4	20 - 50	0.02	75.25
GMW-35	6/4/93	GTI	50	4	20 - 50	0.02	76.12
GMW-36	4/11/94	GTI	50	4	20 - 50	0.01	76.66
GMW-37	4/11/94	GTI	50	4	20 - 50	0.01	77.32
GMW-38	4/12/94	GTI	50	4	20 - 50	0.01	75.47
GMW-39	4/12/94	GTI	50	4	20 - 50	0.01	75.05

Table 1. Monitoring Well Summary

Defense Fuel Support Point, Norwalk, California

Well	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet amsl)
GMW-40	6/29/94	GTI	50.5	4	20 - 50	0.01	73.13
GMW-41	6/30/94	GTI	50.5	4	20 - 50	0.01	74.46
GMW-42	6/30/94	GTI	50.5	4	20 - 50	0.01	75.50
GMW-43	7/1/94	GTI	50.5	4	20 - 50	0.01	74.44
GMW-44	7/1/94	GTI	50.5	4	20 - 50	0.01	74.45
GMW-45	7/1/94	GTI	50.5	4	20 - 50	0.01	75.67
GMW-46	7/5/94	GTI	50.5	4	20 - 50	0.01	76.10
GMW-47	7/5/94	GTI	50.5	4	20 - 50	0.01	75.98
GMW-48	7/5/94	GTI	50.5	4	20 - 50	0.01	75.03
GMW-49	7/6/94	GTI	50.5	4	20 - 50	0.01	74.75
GMW-50	12/19/94	GTI	46.5	4	15 - 45	0.01	75.51
GMW-51	12/19/94	GTI	41.5	4	15 - 40	0.01	75.93
GMW-52	12/19/94	GTI	41.5	4	15 - 40	0.01	75.03
GMW-53	12/19/94	GTI	46.5	4	15 - 45	0.01	74.90
GMW-54	12/20/94	GTI	46.5	4	15 - 45	0.01	75.16
GMW-55	12/20/94	GTI	41.5	4	15 - 40	0.01	74.60
GMW-56	8/12/98	FDGTI	55	2	20 - 55	0.02	76.50
GMW-56	8/12/98	FDGTI	55	4	20 - 55	0.02	76.52
GMW-57	8/13/98	FDGTI	55	2	19 - 54	0.02	76.66
GMW-57	8/13/98	FDGTI	55	4	19 - 54	0.02	76.66
GMW-58	8/14/98	FDGTI	55	2	20 - 55	0.02	75.46
GMW-58	8/14/98	FDGTI	55	4	20 - 55	0.02	75.48
GMW-59	8/14/98	FDGTI	55	2	20 - 55	0.02	75.28
GMW-59	8/14/98	FDGTI	55	4	20 - 55	0.02	75.28
GMW-60	4/14/04	Parsons	50	4	25 - 40	0.01	76.24
GMW-61	4/14/04	Parsons	50	4	30 - 40	0.01	75.6
GMW-62	6/2/07	Parsons	40.5	4	20 - 40	0.02	76.34
GMW-63	9/29/08	Parsons	41	4	20 - 40	0.02	77.32
GMW-64	9/29/08	Parsons	41	4	19.5 - 39.5	0.02	75.84
GMW-65	7/6/2009	Parsons	41.5	4	21 - 41	0.02	76.78
GMW-66	9/8/2009	Parsons	40.5	4	20 - 40	0.02	77.00
GMW-O-1	3/4/92	GTI	51.5	4	19 - 49.5	0.01	71.45
GMW-O-2	3/2/92	GTI	51.5	4	20 - 50	0.01	72.54
GMW-O-3	3/2/92	GTI	51.5	4	20 - 50	0.01	72.19
GMW-O-4	3/3/92	GTI	51.5	4	20 - 50	0.01	71.95
GMW-O-4 (MID)	3/3/92	GTI	66.5	4	54.5 - 64.5	0.01	72.24
GMW-O-5	3/4/92	GTI	51.5	4	20 - 50	0.01	72.36
GMW-O-6	5/18/92	GTI	51.5	4	20 - 50	0.01	71.41
GMW-O-7	5/19/92	GTI	51.5	4	20 - 50	0.01	70.98
GMW-O-8	5/18/92	GTI	51	4	19.5 - 49.5	0.01	70.91
GMW-O-9	7/29/92	GTI	51.5	4	20 - 50	0.01	73.50
GMW-O-10	7/29/92	GTI	51.5	4	20 - 50	0.01	73.98
GMW-O-11	5/20/92	GTI	51.5	4	20 - 50	0.01	74.17
GMW-O-12	5/21/92	GTI	51.5	4	20 - 50	0.01	73.49
GMW-O-14	5/20/92	GTI	51.5	4	20 - 50	0.01	74.08
GMW-O-15	4/19/94	GTI	50	4	20 - 50	0.02	74.23
GMW-O-16	4/19/94	GTI	50	4	20 - 50	0.02	74.10
GMW-O-17	7/26/94	GMX	41	4	20.4 - 39.5	0.01	73.78
GMW-O-18	7/25/94	GMX	41	4	20.8 - 40.4	0.01	74.36
GMW-O-19	7/29/94	GMX	41.5	4	20.2 - 39.9	0.01	74.46
GMW-O-20	6/15/95	GMX	45.9	4	---	---	73.32
GMW-O-21	10/1/97	GMX	45.9	4	25.5 - 45.5	0.01	71.43
GMW-O-22	---	GMX	41	4	---	---	74.36

Table 1. Monitoring Well Summary
Defense Fuel Support Point, Norwalk, California

Well	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet amsl)
GMW-O-23	6/25/07	GMX	44	4	20 - 40	0.02	73.63
GMW-O-24	9/24/12	CH2M HILL	45	4	20 - 40	0.01	74.39
GMW-SF-7	7/27/94	GMX	41	4	20.1 - 39.9	0.01	75.26
GMW-SF-8	7/28/94	GMX	41	4	19.5 - 39.5	0.01	76.75
GMW-SF-9	4/1/03	GMX	47	4	36.6 - 46.2	0.02	73.05
GMW-SF-10	9/23/03	GMX	47	4	36.7 - 46.4	0.02	75.77
GW-1	6/12/95	GTI	63	1	25 - 60	0.02	75.46
GW-1	6/12/95	GTI	63	4	25 - 60	0.02	75.97
GW-2	6/12/95	GTI	63	1	25 - 60	0.02	76.39
GW-2	6/12/95	GTI	63	4	25 - 60	0.02	75.78
GW-3	6/13/95	GTI	63	1	25 - 60	0.02	76.56
GW-3	6/13/95	GTI	63	4	25 - 60	0.02	75.79
GW-4	6/13/95	GTI	63	1	24 - 59	0.02	74.77
GW-4	6/13/95	GTI	63	4	24 - 59	0.02	73.86
GW-5	6/15/95	GTI	63	1	25.5 - 60.5	0.02	77.09
GW-5	6/15/95	GTI	63	4	25.5 - 60.5	0.02	76.99
GW-6	6/15/95	GTI	63	1	25 - 60	0.02	77.41
GW-6	6/15/95	GTI	63	4	25 - 60	0.02	76.38
GW-7	6/16/95	GTI	63	1	25 - 60	0.02	76.76
GW-7	6/16/95	GTI	63	4	25 - 60	0.02	75.02
GW-8	6/14/95	GTI	63	1	24 - 59	0.02	76.88
GW-8	6/14/95	GTI	63	4	24 - 59	0.02	76.15
GW-13	4/26/07	Parsons	65	1	25 - 65	0.02	77.00
GW-13	4/26/07	Parsons	67	6	25 - 65	0.02	76.85
GW-14	4/26/07	Parsons	65	1	25 - 65	0.02	76.55
GW-14	4/26/07	Parsons	67	6	25 - 65	0.02	76.54
GW-15	4/26/07	Parsons	62.5	1	20.5 - 60.5	0.02	75.36
GW-15	4/24/07	Parsons	62.5	6	20.5 - 60.5	0.02	74.94
GW-16	7/7/2009	Parsons	61.3	1	21 - 61	0.02	76.55
GW-16	7/7/2009	Parsons	62.5	6	20.5 - 60.5	0.02	76.33
GWR-1	7/11/91	GTI	50	4	25 - 50	0.01	77.40
GWR-2	7/12/91	GTI	50	4	25 - 50	0.01	73.66
GWR-3	1/10/92	GTI	50	6	20 - 50	0.01	77.60
HL-1	10/14/86	HLA	39	4	18 - 38	0.01	75.83
HL-2	10/13/86	HLA	39	4	16.5 - 36.5	0.01	76.94
HL-3	10/15/86	HLA	44	4	19 - 39	0.01	76.86
HL-4	10/16/86	HLA	39	4	18 - 38.5	0.01	75.75
HL-5	10/16/86	HLA	39.5	4	18.5 - 39	0.01	76.13
MW-6	8/9/90	WC	50	4	18 - 48	0.01	77.20
MW-7	8/27/90	WC	50	4	19 - 48	0.01	78.13
MW-8	8/24/90	WC	51	4	18 - 48	0.01	76.06
MW-9	8/8/90	WC	50	4	18 - 48	0.01	77.11
MW-10	8/24/90	WC	51	4	18 - 48	0.01	79.12
MW-11	8/9/90	WC	50	4	18 - 48	0.01	78.17
MW-12	8/27/90	WC	50	4	18 - 48	0.01	75.76
MW-13	8/23/90	WC	50	4	18 - 48	0.01	78.25
MW-14	8/7/90	WC	50	4	18 - 48	0.01	78.60
MW-15	8/7/90	WC	50	4	18 - 48	0.01	76.99
MW-16	8/8/90	WC	50	4	18 - 48	0.01	76.87
MW-17	8/6/90	WC	50	4	18 - 48	0.01	77.86
MW-18 (MID)	6/10/91	WC	62.2	4	50 - 60	0.01	75.67
MW-19 (MID)	6/11/91	WC	62.2	4	49.5 - 59.5	0.01	78.14
MW-20 (MID)	6/12/91	WC	65.7	4	43 - 53	0.01	77.19

Table 1. Monitoring Well Summary

Defense Fuel Support Point, Norwalk, California

Well	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet amsl)
MW-21 (MID)	6/12/91	WC	62.4	4	47 - 57	0.01	77.55
MW-22 (MID)	6/13/91	WC	57.9	4	42 - 52	0.01	79.57
MW-23 (MID)	6/14/91	WC	57.1	4	42 - 52	0.01	79.59
MW-24	6/14/91	WC	47	4	14 - 44	0.01	78.51
MW-25	6/17/91	WC	47.2	4	22.5 - 42.5	0.01	79.15
MW-26	6/17/91	WC	47.3	4	23.5 - 43.5	0.01	77.40
MW-27	6/17/91	WC	52.3	4	18 - 48	0.01	78.46
MW-28	6/19/91	WC	51.5	4	16.5 - 46.5	0.01	78.53
MW-29	6/19/91	WC	52.4	4	17.5 - 47.5	0.01	79.13
MW-SF-1	6/18/90	GMX	40	4	25 - 40	0.02	78.93
MW-SF-2	6/19/90	GMX	40	4	25 - 40	0.02	78.53
MW-SF-3	6/18/90	GMX	40	4	25 - 40	0.02	78.12
MW-SF-4	6/19/90	GMX	40	4	25 - 40	0.02	79.38
MW-SF-5	9/19/90	GMX	40	4	23 - 38	0.02	79.74
MW-SF-6	9/19/90	GMX	40	4	24 - 39	0.02	76.80
MW-SF-9	6/15/95	GMX	40	4	25 - 40	---	74.1
MW-SF-10	9/23/03	GMX	30.5	4	10.3 - 29.9	0.02	76.53
MW-SF-11	6/19/07	GMX	44	4	20 - 40	0.02	78.56
MW-SF-12	6/18/07	GMX	44	4	20 - 40	0.02	78.07
MW-SF-13	6/19/07	GMX	44	4	20 - 40	0.02	73.40
MW-SF-14	6/21/07	GMX	44	4	20 - 40	0.02	78.16
MW-SF-15	6/21/07	GMX	44	4	20 - 40	0.02	78.27
MW-SF-16	6/20/07	GMX	44	4	20 - 40	0.02	78.21
MW-O-1	1/22/91	GMX	40	2	25 - 40	0.02	75.48
MW-O-2	1/23/91	GMX	40	2	25 - 40	0.02	71.90
MW-O-3	10/25/91	GMX	41	6	20 - 39.5	0.01	74.53
MW-O-4	10/25/91	GMX	41	4	20 - 40	0.01	75.00
PO-7	5/1/89	GW	56	4	29 - 49	0.02	80.26
PW-1	1/6/92	GTI	51.5	4	20 - 50	0.01	75.52
PW-2	1/6/92	GTI	50	4	20 - 50	0.01	74.71
PW-3	1/6/92	GTI	50	4	20 - 50	0.01	73.71
PZ-1	7/12/91	GTI	50	2	25 - 50	0.01	73.74
PZ-2	7/12/91	GTI	50	2	25 - 50	0.01	73.96
PZ-3	6/3/93	GTI	65	2	25 - 65	0.02	76.17
PZ-4	6/2/93	GTI	60	2	25 - 60	0.02	76.13
PZ-5	9/26/00	GMX	40.3	4	20.6 - 39.4	0.01	73.97
PZ-6	9/26/00	GMX	37.5	4	22.8 - 37.8	0.01	73.91
PZ-7A	4/7/03	GMX	32	2	21.5 - 31.2	0.01	73.87
PZ-7B	4/7/03	GMX	47.5	2	42 - 46.7	0.01	73.79
PZ-8A	4/8/03	GMX	31.5	2	21.2 - 31	0.01	75.81
PZ-8B	4/8/03	GMX	47	2	41.4 - 46.2	0.01	75.69
PZ-9A	4/9/03	GMX	32	2	21.6 - 30.9	0.01	76.14
PZ-9B	4/9/03	GMX	47	2	41.5 - 46.2	0.01	76.26
PZ-10	4/10/03	GMX	38.5	2	23.2 - 37.9	0.02	74.34
TF-8	9/22/95	GTI	63	1.5	25 - 60	0.02	75.60
TF-8	9/22/95	GTI	63	4	25 - 60	0.02	74.86
TF-9	9/22/95	GTI	63	1.5	25 - 60	0.02	75.27
TF-9	9/22/95	GTI	63	4	25 - 60	0.02	74.47
TF-10	9/25/95	GTI	63	1.5	25 - 60	0.02	74.19
TF-10	9/25/95	GTI	63	4	25 - 60	0.02	73.61
TF-11	9/25/95	GTI	63	1.5	25 - 60	0.02	74.95
TF-11	9/25/95	GTI	63	4	25 - 60	0.02	74.40
TF-13	9/26/95	GTI	63	1.5	25 - 60	0.02	75.90

Table 1. Monitoring Well Summary

Defense Fuel Support Point, Norwalk, California

Well	Installation Date	Installed By	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Interval (feet bgs)	Slot Size (inches)	Casing Elevation (feet amsl)
TF-13	9/26/95	GTI	63	4	25 - 60	0.02	75.47
TF-14	9/27/95	GTI	63	1.5	25 - 60	0.02	74.78
TF-14	9/27/95	GTI	63	4	25 - 60	0.02	74.35
TF-15	9/28/95	GTI	63	1.5	25 - 60	0.02	75.40
TF-15	9/28/95	GTI	63	4	25 - 60	0.02	74.78
TF-16	9/28/95	GTI	63	1.5	25 - 60	0.02	76.48
TF-16	9/28/95	GTI	63	4	25 - 60	0.02	75.89
TF-17	9/29/95	GTI	63	1.5	25 - 60	0.02	75.26
TF-17	9/29/95	GTI	63	4	25 - 60	0.02	74.88
TF-18	7/6/94	GTI	50.5	4	20 - 50	0.02	73.94
TF-19	10/3/95	GTI	63	1.5	25 - 60	0.02	75.61
TF-19	10/3/95	GTI	63	4	25 - 60	0.02	75.07
TF-20	10/3/95	GTI	63	1.5	25 - 60	0.02	75.59
TF-20	10/3/95	GTI	63	4	25 - 60	0.02	75.08
TF-21	9/29/95	GTI	63	1.5	25 - 60	0.02	75.60
TF-21	9/29/95	GTI	63	4	25 - 60	0.02	74.96
TF-22	10/2/95	GTI	63	1.5	25 - 60	0.02	74.95
TF-22	10/2/95	GTI	63	4	25 - 60	0.02	74.76
TF-23	7/5/94	GTI	50.5	4	20 - 50	0.02	75.31
TF-24	9/26/95	GTI	63	1.5	25 - 60	0.02	76.35
TF-24	9/26/95	GTI	63	4	25 - 60	0.02	76.43
TF-25	4/4/01	GTI	47	1.5	41 - 46	0.02	75.81
TF-25	4/4/01	GTI	47	5	26 - 36	0.02	74.85
TF-26	4/3/01	GTI	47	1.5	41 - 46	0.02	76.15
TF-26	4/3/01	GTI	47	5	26 - 36	0.02	75.85
WCW-1	2/18/92	WC	52	4	20 - 50	0.01	72.86
WCW-2	2/21/92	WC	52	4	20 - 50	0.01	75.34
WCW-3	2/19/92	WC	56.5	4	19 - 49	0.01	76.16
WCW-4	2/20/92	WC	56.5	4	20 - 50	0.01	78.05
WCW-5	4/30/92	WC	52	4	19 - 49	0.01	73.49
WCW-6	4/20/92	WC	53.5	4	20 - 50	0.01	75.52
WCW-7	4/29/92	WC	53	4	20 - 50	0.01	76.44
WCW-8	4/21/92	WC	53.5	4	20 - 50	0.01	77.34
WCW-9	4/28/92	WC	53.5	4	20 - 50	0.01	77.74
WCW-10	9/11/92	WC	56.5	4	25 - 55	0.01	74.06
WCW-11	9/9/92	WC	61.5	4	30 - 60	0.01	75.29
WCW-12	9/8/92	WC	61.5	4	30 - 60	0.01	76.27
WCW-13	9/10/92	WC	61.5	4	30 - 60	0.01	77.70
WCW-14	8/12/98	FDGTI	59	4	24 - 59	0.01	78.81

Notes:

Biosparge and additional soil vapor extraction wells used for remediation purposes only are not listed here.

GMW-21 is also referred to as TF-24.

TF-24 is also referred to as "old TF-24" or "former TF-24."

--- = information not available

FDGTI = Fluor Daniel GTI

feet amsl = feet above mean sea level

feet bgs = feet below ground surface

GMX = Geomatrix Consultants, Inc.

GTI = Groundwater Technology/Groundwater Technology Government Services

GW = Golden West

HLA = Harding Lawson Associates

WC = Woodward-Clyde

Table 2. Summary of Groundwater Elevations – Third Quarter 2021 Monitoring Event

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Corrected Groundwater Elevation (feet amsl)
GMW-10	08/31/21	73.36	---	32.75	---	40.61
GMW-23	08/31/21	74.85	33.27	38.89	5.62	40.46
GMW-28	08/31/21	74.68	---	34.34	---	40.34
GMW-29	08/31/21	77.57	34.12	34.78	0.66	43.32
GMW-36	08/31/21	76.66	---	30.47	---	46.19
GMW-O-11	08/31/21	74.17	---	31.50	---	42.67
GMW-O-12	08/31/21	73.49	Sheen	25.89	Sheen	47.60
GMW-O-14	08/31/21	74.08	---	22.91	---	51.17
GMW-O-20	08/31/21	73.32	---	31.06	---	42.26
GMW-O-21	08/31/21	71.43	---	31.39	---	40.04
GMW-O-23	08/31/21	73.63	---	32.50	---	41.13
GMW-O-24	08/31/21	74.39	---	32.36	---	42.03
MW-O-1	08/31/21	75.48	---	DRY	---	DRY
MW-O-2	08/31/21	71.90	---	32.60	---	39.30

Notes:

DLA Energy and SFPP calculated groundwater elevation in wells with measurable product using the formula:

groundwater elevation = (top of casing elevation - depth to water) + apparent product thickness X specific gravity.

(Product-specific gravity of 0.84 was used for calculation above for DLA wells)

(Product-specific gravity ranging between 0.75 and 0.83 was used for calculation above for SFPP wells)

The soil vapor extraction (SVE) and total fluids extraction (TFE) systems in the south-central, southeastern, and north-central areas were offline 1 week prior to semiannual gauging activities.

--- = not detected or applicable

DRY = No measurable water observed in the well.

feet amsl = feet above mean sea level, based on Los Angeles County Datum, 1980

feet btoc = feet below top of casing

NC = not calculated

NM = not measured

Table 3. Summary of Groundwater Analytical Data – Third Quarter 2021 Monitoring Event

Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)													
Well	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-10	08/31/21	200	15000	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<20	<2.0	<2.0	<2.0
GMW-23	08/31/21	19000	790	130	10	340	3,400	<20	<10	<200	<20	<20	<20
GMW-28	08/31/21	<50	60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	62	6.3	<1.0	<1.0
GMW-29	08/31/21	2200	12000	42	<5.0	170	130	<10	<5.0	<100	<10	<10	<10
GMW-36	08/31/21	2300	2100	21	180	6.2	480	<2.0	29	300	<2.0	<2.0	2.2
GMW-O-11	09/01/21	<100	790	<0.50	<0.50	<0.50	<0.50	<1.0	1.0	21	2.6	<1.0	<1.0
GMW-O-12	08/31/21	5300	28000	23	<5.0	17	95	<10	<5.0	<100	<10	<10	<10
GMW-O-14	09/01/21	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-20	09/01/21	210	3200	7.5	<1.0	<1.0	1.4	<2.0	11	620	9.0	<2.0	<2.0
GMW-O-21	09/01/21	<50	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	1.1	<1.0	<1.0
GMW-O-23	09/01/21	57	290	<0.50	<0.50	<0.50	<0.50	<0.50	4.3	<10	12	<1.0	<1.0
GMW-O-24	08/31/21	<50	82	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-O-2	08/31/21	520	2000	86	2.0	5.4	1.5	<1.0	11	300	17	<1.0	<1.0

Notes:

TPH-g = total purgeable petroleum hydrocarbons quantified using a gasoline standard

TPH-d = total extractable petroleum hydrocarbons quantified using a diesel standard

Xylenes = total of m,p-xylene and o-xylene when detected

< = not detected at or above the laboratory reporting limit shown

1,2-DCA = 1,2-dichloroethane

DIPE = di-isopropyl ether

ETBE = ethyl tertiary butyl ether

MTBE = methyl tertiary butyl ether

TAME = tertiary amyl methyl ether

TBA = tertiary butyl alcohol

**Table 4. Summary of Miscellaneous Compounds Detected in Groundwater Samples –
Third Quarter 2021 Monitoring Event**

Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)							
Well	Date	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	sec-Butylbenzene
GMW-23	08/31/21	1,900	630	27	540	56	<20 U
GMW-29	08/31/21	150	28	18	65	42	<10 U
GMW-36	08/31/21	72	75	<2.0 U	<10 U	<2.0 U	<2.0 U
GMW-O-12	08/31/21	150	47	<10 U	120	15	13
MW-O-2	08/31/21	<1.0 U	<1.0 U	2.9	<10 U	5.7	<1.0 U

Note:

< = not detected at or above the laboratory reporting limit shown

Table 5. Summary of Field Duplicate Results – Third Quarter 2021 Monitoring Event

Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)													
Well	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-10	08/31/21	240	8700	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<20	<2.0	<2.0	<2.0

Notes:

TPH-g = total purgeable petroleum hydrocarbons quantified using a gasoline standard

TPH-d = total purgeable petroleum hydrocarbons quantified using a diesel standard

Xylenes = total of m,p-xylene and o-xylene when detected

1,2-DCA = 1,2-dichloroethane

DIPE = di-isopropyl ether

ETBE = ethyl tertiary butyl ether

MTBE = methyl tertiary butyl ether

TAME = tertiary amyl methyl ether

TBA = tertiary butyl alcohol

< = not detected at or above the laboratory reporting limit shown

Table 6. Summary of Quality Assurance/Quality Control Analytical Data – Third Quarter 2021 Monitoring Event

Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)													
Well	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EB-1	09/01/21	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
TB-1	08/31/21	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

Notes:

TPH-g = total purgeable petroleum hydrocarbons quantified using a gasoline standard

TPH-d = total purgeable petroleum hydrocarbons quantified using a diesel standard

Xylenes = total of m,p-xylene and o-xylene when detected

1,2-DCA = 1,2-dichloroethane

DIPE = di-isopropyl ether

ETBE = ethyl tertiary butyl ether

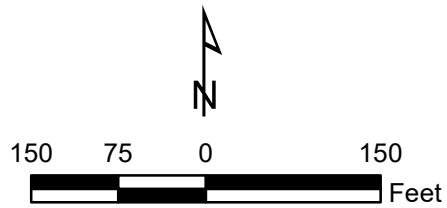
MTBE = methyl tertiary butyl ether

TAME = tertiary amyl methyl ether

TBA = tertiary butyl alcohol

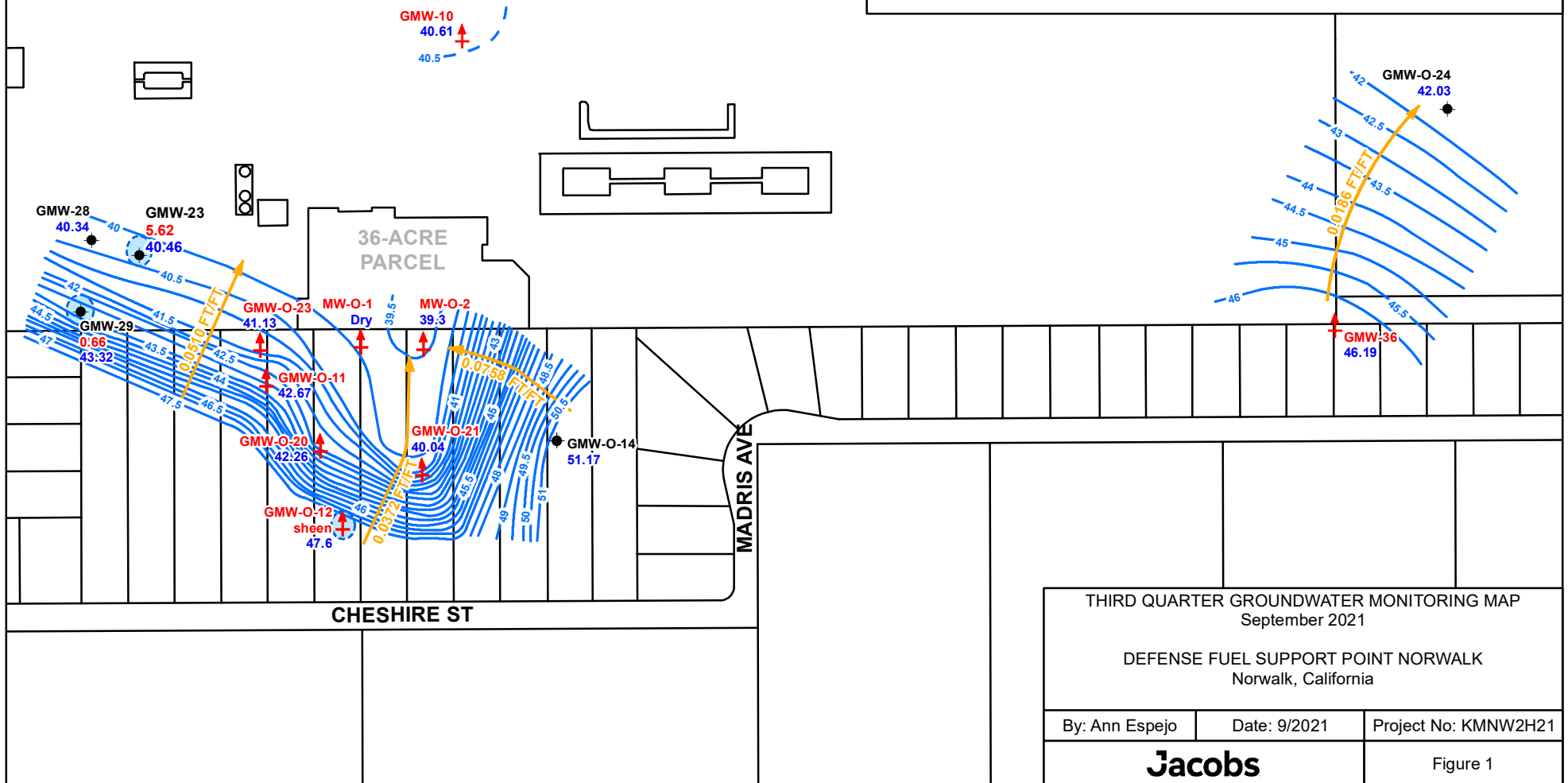
< = not detected at or above the laboratory reporting limit shown

Figure



Explanation

- GMW-O-14** ● Groundwater monitoring well
- GMW-O-12** † Vapor extraction, groundwater extraction, total fluids, or free product extraction well used for site remediation
- GMW-O-14** ● Groundwater monitoring well and groundwater elevation in feet above mean sea level (MSL)
- GMW-O-12** † Apparent thickness of free product measured in well (feet), groundwater elevations calculated by removing product head effect.
- 40 — Line of equal groundwater elevation in feet MSL; dashed where inferred
- Approximate direction of groundwater flow and estimated horizontal hydraulic gradient in foot/foot (ft/ft)
- Estimated extent of measurable light nonaqueous phase liquid (LNAPL, free product) on groundwater; dashed where inferred



THIRD QUARTER GROUNDWATER MONITORING MAP
September 2021

DEFENSE FUEL SUPPORT POINT NORWALK
Norwalk, California

By: Ann Espejo Date: 9/2021 Project No: KMNW2H21

Jacobs

Figure 1

Attachment A
Field Forms

NORWALK WELL GAUGING DATA

TECHNICIAN: KT DATE: 8-31-2021 CLIENT Jacobs

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Last Events SPH Thickness	Depth to water (ft.) 2Q20	Depth to water (ft.) 4Q20	Depth to water (ft.) 1Q21	Depth to water (ft.) 2Q21	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
GMW-10	4					31.44	32.00	32.75	32.54	32.75	48.32		0847
GMW-23	4		*33.27	*5.62	5.35	34.56	36.90		38.65	*38.89	gauged		
GMW-28	4					33.35	33.47	34.34	34.14	24.34	49.21		0930
GMW-29	4		*34.12	*0.66	0.38	33.38	34.18	34.65	34.53	*34.78	gauged		
GMW-36	4					31.03	-	35.18	30.69	30.47	48.84		0640
GMW-O-11	4					30.94	30.30	32.18	31.86	31.50	47.92		1019 - 9.1.21
GMW-O-12	4		*25.89	*sheen	0.61	30.35	31.65	31.97	31.66	*25.89	BS-03 + HSVE-1 on		
GMW-O-14	4					32.05	32.28	33.54	31.48	22.91	49.91		1149 - 9.1.21
GMW-O-20	4					30.70	30.97	31.99	32.67	31.06	37.15		1100 - 9.1.21
GMW-O-21	4					31.24	30.30	32.57	32.17	31.39	41.47		0848 - 9.1.21
GMW-O-23	4					31.92	32.24	33.19	32.91	32.50 31.34	38.23 49.21		0936 - 9.1.21
GMW-O-24	4					32.07	-	34.68	35.00	32.36	45.21		
MW-O-1	4					31.98	DRY	33.62	DRY	DRY	34.41		0929 - 9.1.21
MW-O-2	6					31.87	30.60	33.16	32.94	32.60	37.89		1124

* Jacobs gauged well locations

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>210831-KT1</u>	Client: <u>KMEP</u>
Sampler: <u>KT</u>	Start Date: <u>8-31-21</u>
Well I.D.: <u>GMW-10</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>48.32</u>	Depth to Water: Pre: <u>32.75</u> Post: <u>32.86</u>
Depth to Free Product: <u>—</u>	Thickness of Free Product (feet): <u>—</u>
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____

Start Purge Time: 0850 Flow Rate: 200 mL/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
0853	26.2	6.64	979	92	1.00	-88.9	600	32.84
0856	26.6	6.71	994	70	1.04	-91.4	1200	32.86
0859	26.5	6.72	1004	53	1.05	-92.9	1800	32.86
0902	26.4	6.73	1009	44	1.07	-93.4	2400	32.88
0905	26.4	6.73	1011	40	1.08	-93.8	3000	32.88
0908	26.3	6.73	1014	39	1.09	-94.4	3600	32.88
								Strong odor

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>3600</u>
Sampling Time: <u>0909</u>	Sampling Date: <u>8-31-21</u>
Sample I.D.: <u>GMW-10</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See C.O.C</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: <u>Dup-1 @ X</u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210031-KT1	Client: KMEP
Sampler: KT	Start Date: 8-31-21
Well I.D.: GMW-28	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.21	Depth to Water: Pre: 34.34 Post: 34.52
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0937 Flow Rate: 200 mL/min Pump Depth: 47"

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0940	23.6	6.81	3246	15	1.20	32.9	600	34.51
0943	23.6	6.78	3250	8	1.12	31.1	1200	34.52
0946	23.6	6.77	3254	6	1.08	29.7	1800	34.52
0949	23.6	6.74	3295	5	1.09	28.6	2400	34.52
0952	23.6	6.73	3250	5	1.10	26.9	3000	34.52
0955	23.7	6.73	3258	5	1.08	24.7	3600	34.52

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 3600
Sampling Time: 0956	Sampling Date: 8-31-21
Sample I.D.: GMW-28	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210891451	Client: KMEP
Sampler: KT	Start Date: 8-31-21
Well I.D.: GMW-36	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 48.84 ✓	Depth to Water: Pre: 30.47 Post: 30.54
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0724 Flow Rate: 200 ml/min Pump Depth: 46"

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0727	26.6	6.98	1798	39	1.31	50.0	600	30.50
0730	26.4	7.01	1843	39	1.29	51.6	1200	30.53
0733	26.3	7.00	1849	42	1.25	50.9	1800	30.54
0736	26.3	7.00	1855	39	1.21	48.2	2400	30.54
0739	26.2	7.00	1856	39	1.20	46.3	3000	30.54

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 3000
Sampling Time: 0740	Sampling Date: 8-31-21
Sample I.D.: <u>GMW-36</u>	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: <u>See C.O.C</u>
Equipment Blank I.D.: @ _____ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>210831-KT</u>	Client: KMEP
Sampler: <u>KT</u>	Start Date: <u>9.1.21</u>
Well I.D.: <u>GMW-0-11</u>	Well Diameter: 2 3 (4) 6 8 _____
Total Well Depth: <u>47.92</u>	Depth to Water: Pre: <u>31.50</u> Post: <u>31.80</u>
Depth to Free Product: <u>—</u>	Thickness of Free Product (feet): <u>—</u>
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1030 Flow Rate: 200 mL/MIN Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. of mL)	Depth to water
1033	26.4	7.08	2068	10	1.17	-74.9	600	31.76
1036	27.0	7.10	2075	7	1.09	-92.3	1200	31.80
1039	27.3	7.10	2088	4	0.93	-99.6	1800	31.80
1042	27.5	7.10	2094	4	0.90	-100.4	2400	31.80
1045	27.7	7.09	2099	4	0.88	-101.5	3000	31.80
1048	27.8	7.09	2104	4	0.87	-103.0	3600	31.80

Did well dewater? Yes <input type="radio"/> (No) <input checked="" type="radio"/>	Amount actually evacuated: <u>3600</u>
Sampling Time: <u>1049</u>	Sampling Date: <u>9.1.21</u>
Sample I.D.: <u>GMW-0-11</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See C.O.C</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>210831-K7</u>	Client: KMEP
Sampler: <u>KT</u>	Start Date: <u>9.1.21</u>
Well I.D.: <u>GMW-0-14</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>49.91</u>	Depth to Water: Pre: <u>22.91</u> Post: <u>23.29</u>
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other

Start Purge Time: 1157 Flow Rate: 200 mL/min Pump Depth: 47

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1200	29.8	7.09	2201	25	1.01	-96.9	600	22.22
1203	20.1	7.07	2229	21	0.89	-99.2	1200	23.25
1206	20.4	7.03	2246	16	0.77	-100.3	1800	23.28
1209	20.7	7.00	2255	15	0.69	-105.6	2400	23.29
1212	20.9	6.99	2261	14	0.62	-108.4	3000	23.29
1215	20.9	6.99	2270	14	0.60	-109.2	3600	23.29
								-Suction Vacuum is on
								During Purge

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>3600</u>
Sampling Time: <u>1216</u>	Sampling Date: <u>9.1.21</u>
Sample I.D.: <u>GMW-0-14</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See C.O.C</u>
Equipment Blank I.D.: <u> </u> @ <u> </u> Time	Duplicate I.D.: <u> </u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210831-151	Client: KMEP
Sampler: K	Start Date: 9.1.21
Well I.D.: Gmw-0-20	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 37.15	Depth to Water: Pre: 31.06 Post: 31.11
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____

Start Purge Time: 1111 Flow Rate: 200ml/min Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1114	26.5	6.92	2080	9	0.74	-87.9	600	31.10
1117	26.9	6.99	2088	8	0.69	-94.3	900	31.11
1120	26.9	6.99	2097	5	0.61	-99.7	1800	31.11
1123	27.0	7.00	2113	5	0.56	-98.5	2400	31.11
1126	27.0	7.00	2118	5	0.52	-97.6	3000	31.11
1129	27.0	6.99	2121	5	0.49	-95.9	3600	31.11

Did well dewater? Yes <input checked="" type="checkbox"/> No	Amount actually evacuated: 3600
Sampling Time: 1130	Sampling Date: 9.1.21
Sample I.D.: Gmw-0-20	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.O.C
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>210831-KT1</u>	Client: KMEP
Sampler: <u>KT</u>	Start Date: <u>9.1.21</u>
Well I.D.: <u>GMW-0-21</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth: <u>41.47</u>	Depth to Water: Pre: <u>31.39</u> Post: <u>31.58</u>
Depth to Free Product: <u>-</u>	Thickness of Free Product (feet): <u>-</u>
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0900 Flow Rate: 200 ml/min Pump Depth: 38"

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. of <u>mL</u>)	Depth to water
0903	23.6	7.09	1692	21	1.23	-92.9	600	31.47
0906	23.9	7.05	1707	17	1.19	-95.6	1200	31.50
0909	24.1	7.04	1710	15	1.14	-98.9	1800	31.54
0912	24.2	7.04	1711	13	1.10	-100.3	2400	31.57
0915	24.3	7.03	1710	13	1.08	-101.7	3000	31.58

Did well dewater? Yes <u>(No)</u>	Amount actually evacuated: <u>3000</u>
Sampling Time: <u>0916</u>	Sampling Date: <u>9.1.21</u>
Sample I.D.: <u>GMW-0-21</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See C0_C</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>210831-KT</u>	Client: KMEP
Sampler: <u>KT</u>	Start Date: <u>9-1-21</u>
Well I.D.: <u>Gmw-0-23</u>	Well Diameter: 2 3 (4) 6 8 _____
Total Well Depth: <u>38.23</u>	Depth to Water: Pre: <u>32.50</u> Post: <u>32.55</u>
Depth to Free Product: <u>—</u>	Thickness of Free Product (feet): <u>—</u>
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grandfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0945 Flow Rate: 200 ml/min Pump Depth: 36'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
<u>0948</u>	<u>27.8</u>	<u>6.82</u>	<u>2070</u>	<u>17</u>	<u>1.57</u>	<u>-65.9</u>	<u>600</u>	<u>32.55</u>
<u>0951</u>	<u>27.9</u>	<u>6.84</u>	<u>2071</u>	<u>15</u>	<u>1.39</u>	<u>-75.6</u>	<u>1200</u>	<u>32.55</u>
<u>0954</u>	<u>28.4</u>	<u>6.85</u>	<u>2079</u>	<u>11</u>	<u>1.31</u>	<u>-78.9</u>	<u>1800</u>	<u>32.55</u>
<u>0957</u>	<u>28.5</u>	<u>6.85</u>	<u>2083</u>	<u>10</u>	<u>1.24</u>	<u>-81.4</u>	<u>2400</u>	<u>32.55</u>
<u>1000</u>	<u>28.5</u>	<u>6.85</u>	<u>2094</u>	<u>10</u>	<u>1.19</u>	<u>-84.7</u>	<u>3000</u>	<u>32.55</u>
<u>1003</u>	<u>28.5</u>	<u>6.86</u>	<u>2100</u>	<u>10</u>	<u>1.15</u>	<u>-80.3</u>	<u>3600</u>	<u>32.55</u>

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>3600</u>
Sampling Time: <u>1004</u>	Sampling Date: <u>9.1.21</u>
Sample I.D.: <u>Gmw-0-23</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg TPHfp VOC's MTBE</u>	Other: <u>See C.O.C</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210831-KT1	Client: KMEP
Sampler: KT	Start Date: 8.31.21
Well I.D.: GMW-0-24	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 45.21	Depth to Water: Pre: 32.36 Post: 32.58
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1023 Flow Rate: 200 mL/min Pump Depth: 41'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1026	20.1	7.23	2800	26	1.25	-33.2	600	32.49
1029	20.6	7.21	2836	21	1.21	-32.9	1200	32.52
1032	20.7	7.19	2859	20	1.16	-34.8	1800	32.57
1035	20.8	7.18	2875	18	1.13	-37.5	2400	32.58
1038	20.9	7.15	2888	18	1.10	-38.4	3000	32.58
1041	20.9	7.14	2889	17	1.09	-39.7	3600	32.58

Did well dewater? Yes <input checked="" type="checkbox"/> No	Amount actually evacuated: 3600
Sampling Time: 1042	Sampling Date: 8.31.21
Sample I.D.: GMW-0-24	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C.C.C
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210831-K7	Client: KMEP
Sampler: KT	Start Date: 8.31.21
Well I.D.: MW-0-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 37.89	Depth to Water: Pre: 32.60 Post: 32.72
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVE</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1131 Flow Rate: 200 mL/min Pump Depth: ~~30~~ ⁴⁵ 35

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1134	24.9	6.85	1349	42	1.07	-84.6	600	32.69
1137	24.8	6.89	1492	36	1.03	-88.7	40 1200	32.73
1140	25.0	6.92	1503	31	1.01	-89.2	1800	32.73
1143	25.1	6.93	1570	27	0.97	-94.3	2400	32.73
1146	25.2	6.93	1575	25	0.94	-95.1	3000	32.73
1149	25.2	6.92	1581	24	0.94	-94.9	3000	32.73

Did well dewater? Yes <u>No</u>	Amount actually evacuated: \$ 3600
Sampling Time: 1150	Sampling Date: 8.31.21
Sample I.D.: MW-0-2	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See CDC
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 2

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Kinder Morgan Norwalk
 Report to:
 Eric Davis
 Jacobs
 2600 Michelson Drive
 Suite 500
 Irvine, CA 92612

CHAIN OF CUSTODY

CLIENT Kinder Morgan

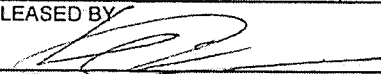
SITE DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX		CONTAINERS		TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AQ= Water	#	Preservation	Type												
Gmw-36	8.31.21	0740	AQ	6	HCL	Voas	X	X										CH142109883-01
Gmw-10		0909					X	X										02
DUP-1		—					X	X										03
Gmw-28		0956					X	X										04
Gmw-024		1042					X	X										05
MW-0-2		1150					X	X										06
Gmw-23		1435					X	X						SHOWN OBSERVED IN SAMPLE				07
Gmw-0-12		1540					X	X										08
Gmw-0-29		1308					X	X										09
Gmw-0-21	9.1.21	0916					X	X										10

SAMPLING COMPLETED DATE 9.1.21 TIME 1300 SAMPLING PERFORMED BY Kevin Thompson

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY 	TIME 1530	RECEIVED BY Nicole	DATE 9/1/21	TIME 1530
RELEASED BY Nicole	TIME 1600	RECEIVED BY FEDGX	DATE 9/2/21	TIME 1600
RELEASED BY	TIME	RECEIVED BY Haylen Felton	DATE 9/3/21	TIME 1448
SHIPPED VIA	TIME SENT	COOLER #		

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 2 of 2

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112


Kinder Morgan Norwalk
 Report to:
 Eric Davis
 Jacobs
 2600 Michelson Drive
 Suite 500
 Irvine, CA 92612

CHAIN OF CUSTODY


CLIENT: Kinder Morgan
 SITE: DFSP Norwalk
 15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS			TPHg, TPHd (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type											
Gmw-0-23	9-1-21	1004	AQ	6	HCL	Vials	X	X									CL# 2109083-11
Gmw-0-11		1049					X	X									12
Gmw-0-20		1130					X	X									13
Gmw-0-14		1216					X	X									14
TB-1		0700		3			X	X									15
EB-1		1240		6			X	X									16
<i>Additional samples - 9/2/21</i>																	

SAMPLING COMPLETED: DATE 9-1-21 TIME 1300
 SAMPLING PERFORMED BY: Kevin Thompson
 RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY:  TIME 1530 RECEIVED BY: N7 col DATE 9/1/21 TIME 1530

RELEASED BY: Nicole TIME 1600 RECEIVED BY: FEDEX DATE 9/2/21 TIME 1600

RELEASED BY:  TIME 1600 RECEIVED BY: Hazelton Tilton DATE 9/3/21 TIME 1448

SHIPPED VIA:  TIME SENT: COOLER #:

Attachment 7.3-1 Well Inspection Checklist

WELL INSPECTION CHECKLIST Site - City, County, State

WELL NAME	AS-BUILT TOTAL DEPTH (TD)	ACCESS UNOBSTRUCTED? (Y/N)	WELL EASILY VISIBLE? (Y/N)	VAULT, WELL, OR CASING CLEARLY LABELED? (Y/N)	WELL, VAULT, PAD, OR CASING FREE OF VISIBLE DAMAGE, SCOUR, OR SETTLING? (Y/N)	WELL SECURED PROPERLY WITH WATER-TIGHT WELL CAP AND LOCK? (Y/N)	WELL VAULT DRY AND FREE OF DEBRIS? (Y/N)	TD CONSISTENT WITH AS-BUILT TD? (Y/N)	COMMENTS
GMW-36		Y	Y	Y	Y	Y	Y	Y	
GMW-10		Y	Y	Y	Y	Y	Y	Y	
GMW-28		Y	Y	Y	Y	Y	Y	Y	
GMW-0-24		Y	Y	Y	Y	Y	Y	Y	
MW-0-2		Y	Y	Y	Y	Y	Y	Y	
GMW-0-21		Y	Y	Y	Y	Y	Y	Y	
GMW-0-23		Y	Y	Y	Y	Y	Y	Y	
GMW-0-11		Y	Y	Y	Y	Y	Y	Y	
GMW-0-20		Y	Y	Y	Y	Y	Y	Y	
GMW-0-14		Y	Y	Y	Y	Y	Y	Y	

Performed by: KT

Date Performed: 8-31-21 / 9.1.21

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME <i>KMEP Norwalk</i>				PROJECT NUMBER <i>210831-101</i>			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
<i>YSI Pro Plus</i>	<i>16M101746</i>	<i>8.31.21</i> <i>0705</i>	<i>PH 7104</i> <i>CON ORP</i>	<i>7.03 10.00 4.01</i> <i>3597 246.1</i>	<i>✓ ✓ ✓</i> <i>✓ ✓</i>	<i>18.6°</i>	<i>KS</i>
			<i>D.O %</i>	<i>100.1</i>	<i>✓</i>	<i>19.4°</i>	<i>KS</i>
<i>YSI Pro Plus</i>	<i>16M101746</i>	<i>9.1.21</i> <i>0705</i>	<i>PH 7104</i> <i>CON ORP</i>	<i>7.00 9.49 4.01</i> <i>3901 240.1</i>	<i>✓ ✓ ✓</i> <i>✓ ✓</i>	<i>22.4</i>	<i>KS</i>
			<i>D.O %</i>	<i>99.8</i>	<i>✓</i>	<i>19.9</i>	<i>KS</i>

3

3

Attachment B
Laboratory Analytical Reports



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

September 16, 2021

Eric Davis
CH2M Hill
1000 Wilshire Boulevard
Los Angeles, CA 90017
TEL: (213) 228-8271
FAX: (714) 424-2135

RE: DFSP Norwalk

Order No.: CHH2109083

Dear Eric Davis:

The result of this report apply to the sample(s) as received.

There were no problems with the analytical events associated with this report unless noted.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in cursive script that reads "Randy Gardner".

Randy Gardner
Laboratory Manager
255 Glendale Ave, #21
Sparks, Nevada 89431



Alpha Analytical, Inc.
 255 Glendale Ave, #21
 Sparks, Nevada 89431
 TEL: (775) 355-1044 FAX: (775) 355-0406
 Website: www.alpha-analytical.com

Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 7:40:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-01 **Matrix:** AQUEOUS
Client Sample ID GMW-36

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	2.1	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	88	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	2.3	0.20		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	105	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	40		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	300	20		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	29	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	200		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	40		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	21	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	2.2	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	180	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	20		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260



Alpha Analytical, Inc.
 255 Glendale Ave, #21
 Sparks, Nevada 89431
 TEL: (775) 355-1044 FAX: (775) 355-0406
 Website: www.alpha-analytical.com

Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 7:40:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-01 **Matrix:** AQUEOUS
Client Sample ID GMW-36

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	6.2	1.0		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	260	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	480	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	220	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	75	2.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	72	2.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	12		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	105	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	9/10/2021	VOCs by EPA 8260

NOTES:

Reporting Limits were increased due to high concentrations of target analytes.



Alpha Analytical, Inc.
 255 Glendale Ave, #21
 Sparks, Nevada 89431
 TEL: (775) 355-1044 FAX: (775) 355-0406
 Website: www.alpha-analytical.com

Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 9:09:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-02 **Matrix:** AQUEOUS
Client Sample ID GMW-10

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	15	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	105	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	0.20	0.20		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	113	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	40		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	ND	20		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	200		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	40		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	20		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 9:09:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-02 **Matrix:** AQUEOUS
Client Sample ID GMW-10

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	12		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	113	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	9/10/2021	VOCs by EPA 8260

NOTES:

Reporting Limits were increased due to sample foaming.



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021
Project: DFSP Norwalk
Lab ID: 2109083-03 **Matrix:** AQUEOUS
Client Sample ID DUP-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	8.7	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	99	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	0.24	0.20		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	93	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	106	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	88	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	40		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	ND	20		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	200		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	40		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	20		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021
Project: DFSP Norwalk
Lab ID: 2109083-03 **Matrix:** AQUEOUS
Client Sample ID DUP-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	12		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	93	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	106	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	88	70-130		%Rec	9/10/2021	VOCs by EPA 8260

NOTES:
 Reporting Limits were increased due to sample foaming.



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 9:56:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-04 **Matrix:** AQUEOUS
Client Sample ID GMW-28

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.060	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	91	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	101	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	62	10		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	2.5		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	50		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	6.3	1.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 9:56:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-04 **Matrix:** AQUEOUS
Client Sample ID GMW-28

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	101	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 10:42:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-05 **Matrix:** AQUEOUS
Client Sample ID GMW-O-24

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.082	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	84	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	2.5		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	50		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 10:42:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-05 **Matrix:** AQUEOUS
Client Sample ID GMW-O-24

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	100	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 11:50:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-06 **Matrix:** AQUEOUS
Client Sample ID MW-O-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	2.0	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	91	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	0.52	0.10		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	20		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	300	10		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	11	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	100		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	20		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	17	1.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	86	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	2.0	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 11:50:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-06 **Matrix:** AQUEOUS
Client Sample ID MW-O-2

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	5.4	0.50		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	0.68	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	1.5	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	0.83	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	2.9	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	5.7	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	100	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	VOCs by EPA 8260

NOTES:

Some Reporting Limits were increased due to sample foaming.



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 2:35:00 PM
Project: DFSP Norwalk
Lab ID: 2109083-07 **Matrix:** AQUEOUS
Client Sample ID GMW-23

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.79	0.050	K	mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	98	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	19	2.0		mg/L	9/13/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	9/13/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	96	70-130		%Rec	9/13/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	9/13/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Chloromethane	ND	80		µg/L	9/13/2021	VOCs by EPA 8260
Vinyl chloride	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Chloroethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Bromomethane	ND	80		µg/L	9/13/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Acetone	ND	400		µg/L	9/13/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	ND	200		µg/L	9/13/2021	VOCs by EPA 8260
Dichloromethane	ND	80		µg/L	9/13/2021	VOCs by EPA 8260
Freon-113	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Carbon disulfide	ND	100		µg/L	9/13/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Vinyl acetate	ND	2,000		µg/L	9/13/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	400		µg/L	9/13/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Bromochloromethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Chloroform	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Benzene	130	10		µg/L	9/13/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Dibromomethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Trichloroethene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Bromodichloromethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	100		µg/L	9/13/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Toluene	10	10		µg/L	9/13/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
2-Hexanone	ND	200		µg/L	9/13/2021	VOCs by EPA 8260
Dibromochloromethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 2:35:00 PM
Project: DFSP Norwalk
Lab ID: 2109083-07 **Matrix:** AQUEOUS
Client Sample ID GMW-23

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	80		µg/L	9/13/2021	VOCs by EPA 8260
Tetrachloroethene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Chlorobenzene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Ethylbenzene	340	10		µg/L	9/13/2021	VOCs by EPA 8260
m,p-Xylene	3,300	10		µg/L	9/13/2021	VOCs by EPA 8260
Bromoform	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
Xylenes, Total	3,400	10		µg/L	9/13/2021	VOCs by EPA 8260
Styrene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
o-Xylene	37	10		µg/L	9/13/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	80		µg/L	9/13/2021	VOCs by EPA 8260
Isopropylbenzene	27	20		µg/L	9/13/2021	VOCs by EPA 8260
Bromobenzene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
n-Propylbenzene	56	20		µg/L	9/13/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	630	20		µg/L	9/13/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	1,900	20		µg/L	9/13/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
n-Butylbenzene	ND	20		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	120		µg/L	9/13/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	80		µg/L	9/13/2021	VOCs by EPA 8260
Naphthalene	540	80		µg/L	9/13/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	80		µg/L	9/13/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	96	70-130		%Rec	9/13/2021	VOCs by EPA 8260
Surr: Toluene-d8	96	70-130		%Rec	9/13/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	96	70-130		%Rec	9/13/2021	VOCs by EPA 8260

NOTES:
 Reporting Limits were increased due to high concentrations of target analytes.



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 3:40:00 PM
Project: DFSP Norwalk
Lab ID: 2109083-08 **Matrix:** AQUEOUS
Client Sample ID GMW-O-12

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	28	0.50		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	105	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	5.3	1.0		mg/L	9/13/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/13/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	98	70-130		%Rec	9/13/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	94	70-130		%Rec	9/13/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Chloromethane	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Vinyl chloride	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Chloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Bromomethane	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Acetone	ND	200		µg/L	9/13/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	ND	100		µg/L	9/13/2021	VOCs by EPA 8260
Dichloromethane	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Carbon disulfide	ND	50		µg/L	9/13/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	9/13/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Vinyl acetate	ND	1,000		µg/L	9/13/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	200		µg/L	9/13/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Bromochloromethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Chloroform	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Benzene	23	5.0		µg/L	9/13/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Dibromomethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Trichloroethene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Bromodichloromethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	50		µg/L	9/13/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Toluene	ND	5.0		µg/L	9/13/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
2-Hexanone	ND	100		µg/L	9/13/2021	VOCs by EPA 8260
Dibromochloromethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 3:40:00 PM
Project: DFSP Norwalk
Lab ID: 2109083-08 **Matrix:** AQUEOUS
Client Sample ID GMW-O-12

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Tetrachloroethene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Chlorobenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Ethylbenzene	17	5.0		µg/L	9/13/2021	VOCs by EPA 8260
m,p-Xylene	65	5.0		µg/L	9/13/2021	VOCs by EPA 8260
Bromoform	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Xylenes, Total	95	5.0		µg/L	9/13/2021	VOCs by EPA 8260
Styrene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
o-Xylene	30	5.0		µg/L	9/13/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Isopropylbenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Bromobenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
n-Propylbenzene	15	10		µg/L	9/13/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	47	10		µg/L	9/13/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	150	10		µg/L	9/13/2021	VOCs by EPA 8260
sec-Butylbenzene	13	10		µg/L	9/13/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
n-Butylbenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	60		µg/L	9/13/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Naphthalene	120	40		µg/L	9/13/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/13/2021	VOCs by EPA 8260
Surr: Toluene-d8	98	70-130		%Rec	9/13/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	94	70-130		%Rec	9/13/2021	VOCs by EPA 8260

NOTES:
 Reporting Limits were increased due to high concentrations of target analytes.



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 1:08:00 PM
Project: DFSP Norwalk
Lab ID: 2109083-09 **Matrix:** AQUEOUS
Client Sample ID GMW-29

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	12	0.050	K	mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	107	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	2.2	1.0		mg/L	9/13/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/13/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	96	70-130		%Rec	9/13/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	9/13/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Chloromethane	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Vinyl chloride	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Chloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Bromomethane	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Acetone	ND	200		µg/L	9/13/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	ND	100		µg/L	9/13/2021	VOCs by EPA 8260
Dichloromethane	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Carbon disulfide	ND	50		µg/L	9/13/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	9/13/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Vinyl acetate	ND	1,000		µg/L	9/13/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	200		µg/L	9/13/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Bromochloromethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Chloroform	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Benzene	42	5.0		µg/L	9/13/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Dibromomethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Trichloroethene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Bromodichloromethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	50		µg/L	9/13/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Toluene	ND	5.0		µg/L	9/13/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
2-Hexanone	ND	100		µg/L	9/13/2021	VOCs by EPA 8260
Dibromochloromethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 1:08:00 PM
Project: DFSP Norwalk
Lab ID: 2109083-09 **Matrix:** AQUEOUS
Client Sample ID GMW-29

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Tetrachloroethene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Chlorobenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Ethylbenzene	170	5.0		µg/L	9/13/2021	VOCs by EPA 8260
m,p-Xylene	130	5.0		µg/L	9/13/2021	VOCs by EPA 8260
Bromoform	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
Xylenes, Total	130	5.0		µg/L	9/13/2021	VOCs by EPA 8260
Styrene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
o-Xylene	ND	5.0		µg/L	9/13/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Isopropylbenzene	18	10		µg/L	9/13/2021	VOCs by EPA 8260
Bromobenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
n-Propylbenzene	42	10		µg/L	9/13/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	28	10		µg/L	9/13/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	150	10		µg/L	9/13/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
n-Butylbenzene	ND	10		µg/L	9/13/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	60		µg/L	9/13/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Naphthalene	65	40		µg/L	9/13/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	40		µg/L	9/13/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/13/2021	VOCs by EPA 8260
Surr: Toluene-d8	96	70-130		%Rec	9/13/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	9/13/2021	VOCs by EPA 8260

NOTES:

Reporting Limits were increased due to high concentrations of target analytes.



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 9:16:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-10 **Matrix:** AQUEOUS
Client Sample ID GMW-O-21

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.13	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	83	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	92	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	2.5		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	50		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	1.1	1.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 9:16:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-10 **Matrix:** AQUEOUS
Client Sample ID GMW-O-21

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	92	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	102	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 10:04:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-11 **Matrix:** AQUEOUS
Client Sample ID GMW-O-23

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.29	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	99	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	0.057	0.050		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	101	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	92	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	2.5		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	4.3	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	50		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	12	1.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 10:04:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-11 **Matrix:** AQUEOUS
Client Sample ID GMW-O-23

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	101	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	92	70-130		%Rec	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 10:49:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-12 **Matrix:** AQUEOUS
Client Sample ID GMW-O-11

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	0.79	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	84	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.10	O	mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	93	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	20		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	21	10		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	1.0	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	100		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	20		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	2.6	1.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 10:49:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-12 **Matrix:** AQUEOUS
Client Sample ID GMW-O-11

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	4.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	93	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	100	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	VOCs by EPA 8260

NOTES:

Some Reporting Limits were increased due to sample foaming.



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 11:30:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-13 **Matrix:** AQUEOUS
Client Sample ID GMW-O-20

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	3.2	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	95	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	0.21	0.20		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	97	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	124	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	92	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	40		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	620	20		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	11	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	200		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	40		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	9.0	2.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	7.5	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	20		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 11:30:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-13 **Matrix:** AQUEOUS
Client Sample ID GMW-O-20

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	1.4	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	1.4	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	12		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	8.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	97	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	124	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	92	70-130		%Rec	9/10/2021	VOCs by EPA 8260

NOTES:

Reporting Limits were increased due to sample foaming.



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 12:16:00 PM
Project: DFSP Norwalk
Lab ID: 2109083-14 **Matrix:** AQUEOUS
Client Sample ID GMW-O-14

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	85	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	90	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	2.5		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	50		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 12:16:00 PM
Project: DFSP Norwalk
Lab ID: 2109083-14 **Matrix:** AQUEOUS
Client Sample ID GMW-O-14

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	94	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	100	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	90	70-130		%Rec	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 7:00:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-15 **Matrix:** AQUEOUS
Client Sample ID TB-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	83	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	88	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	2.5		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	50		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 8/31/2021 7:00:00 AM
Project: DFSP Norwalk
Lab ID: 2109083-15 **Matrix:** AQUEOUS
Client Sample ID TB-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	102	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	88	70-130		%Rec	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 12:40:00 PM
Project: DFSP Norwalk
Lab ID: 2109083-16 **Matrix:** AQUEOUS
Client Sample ID EB-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-E (DRO)	ND	0.050		mg/L	9/10/2021	TPH-E by EPA 8015C
Surr: Nonane	85	63-125		%Rec	9/10/2021	TPH-E by EPA 8015C
TPH-P (GRO)	ND	0.050		mg/L	9/10/2021	TPH-P by EPA 8015C
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	TPH-P by EPA 8015C
Dichlorodifluoromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloromethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl chloride	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Chloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromomethane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichlorofluoromethane	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Acetone	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Butyl Alcohol (TBA)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Dichloromethane	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Freon-113	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Carbon disulfide	ND	2.5		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Vinyl acetate	ND	50		µg/L	9/10/2021	VOCs by EPA 8260
2-Butanone (MEK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
Di-isopropyl Ether (DIPE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,2-Dichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chloroform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloroethane	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1-Dichloropropene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Carbon tetrachloride	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Benzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Tertiary Amyl Methyl Ether (TAME)	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromomethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Trichloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromodichloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Methyl-2-pentanone (MIBK)	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
cis-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
trans-1,3-Dichloropropene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2-Trichloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Toluene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichloropropane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Hexanone	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
Dibromochloromethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260



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Analytical Report

WO#: CHH2109083

Report Date: 9/16/2021

CLIENT: CH2M Hill **Collection Date:** 9/1/2021 12:40:00 PM
Project: DFSP Norwalk
Lab ID: 2109083-16 **Matrix:** AQUEOUS
Client Sample ID EB-1

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Tetrachloroethene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Chlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Ethylbenzene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
m,p-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Bromoform	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Xylenes, Total	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
Styrene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
o-Xylene	ND	0.50		µg/L	9/10/2021	VOCs by EPA 8260
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichloropropane	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Isopropylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
Bromobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Propylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
2-Chlorotoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3,5-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
tert-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trimethylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
sec-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,3-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,4-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
4-Isopropyltoluene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dichlorobenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
n-Butylbenzene	ND	1.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0		µg/L	9/10/2021	VOCs by EPA 8260
1,2,4-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Naphthalene	ND	10		µg/L	9/10/2021	VOCs by EPA 8260
1,2,3-Trichlorobenzene	ND	2.0		µg/L	9/10/2021	VOCs by EPA 8260
Surr: 1,2-Dichloroethane-d4	95	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: Toluene-d8	100	70-130		%Rec	9/10/2021	VOCs by EPA 8260
Surr: 4-Bromofluorobenzene	91	70-130		%Rec	9/10/2021	VOCs by EPA 8260



QC SUMMARY REPORT

WO#: 2109083

16-Sep-21

Client: CH2M Hill
Project: DFSP Norwalk

TestCode: TPH/E_W

Sample ID: MB-13823	SampType: MBLK	TestCode: TPH/E_W	Units: mg/L								
Client ID: PBW	Batch ID: 13823	TestNo: SW8015	SW8015								
Prep Date: 9/9/2021	RunNo: 12554	SeqNo: 350382									
Analysis Date: 9/9/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	ND	0.05									
Surr: Nonane	0.13		0.15		85.3	63	125				

Sample ID: LCS-13823	SampType: LCS	TestCode: TPH/E_W	Units: mg/L								
Client ID: LCSW	Batch ID: 13823	TestNo: SW8015	SW8015								
Prep Date: 9/9/2021	RunNo: 12554	SeqNo: 350383									
Analysis Date: 9/10/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.5	0.05	2.5	0	100	89.6	123				
Surr: Nonane	0.131		0.15		87.3	60	129				

Sample ID: 2109083-16AMSD	SampType: MSD	TestCode: TPH/E_W	Units: mg/L								
Client ID: EB-1MSD	Batch ID: 13823	TestNo: SW8015	SW8015								
Prep Date: 9/9/2021	RunNo: 12554	SeqNo: 350363									
Analysis Date: 9/10/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.81	0.1	2.5	0	112	79	140	2.7	4	8	
Surr: Nonane	0.302		0.3		101	68.8	128	0.295	0	0	

Sample ID: 2109083-16AMS	SampType: MS	TestCode: TPH/E_W	Units: mg/L								
Client ID: EB-1MS	Batch ID: 13823	TestNo: SW8015	SW8015								
Prep Date: 9/9/2021	RunNo: 12554	SeqNo: 350362									
Analysis Date: 9/10/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-E (DRO)	2.7	0.1	2.5	0	108	79	140				
Surr: Nonane	0.295		0.3		98.3	68.8	128				

Qualifiers: B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 2109083

16-Sep-21

Client: CH2M Hill
Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: MB-13831	SampType: MBLK	TestCode: TPH/P_W	Units: mg/L								
Client ID: PBW	Batch ID: A13831B	TestNo: SW8015									
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350566									
Analysis Date: 9/10/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	ND	0.05									
Surr: 1,2-Dichloroethane-d4	0.0095		0.01		95.0	69.51	130.49				
Surr: Toluene-d8	0.01		0.01		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.009		0.01		89.9	69.51	130.49				

Sample ID: GLCS-13831	SampType: GLCS	TestCode: TPH/P_W	Units: mg/L								
Client ID: BatchQC	Batch ID: A13831B	TestNo: SW8015									
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350565									
Analysis Date: 9/10/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	0.409	0.05	0.4	0	102	73.9	126				
Surr: 1,2-Dichloroethane-d4	0.00946		0.01		94.6	69.51	130.49				
Surr: Toluene-d8	0.0103		0.01		103	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.00953		0.01		95.3	69.51	130.49				

Sample ID: 2109083-16AGSD	SampType: GSD	TestCode: TPH/P_W	Units: mg/L								
Client ID: EB-1	Batch ID: A13831B	TestNo: SW8015									
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350581									
Analysis Date: 9/10/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	2.18	0.25	2	0	109	60	125	1.96	11	28	
Surr: 1,2-Dichloroethane-d4	0.047		0.05		93.9	69.51	130.49	0.0469	0	0	
Surr: Toluene-d8	0.0511		0.05		102	69.51	130.49	0.0508	0	0	
Surr: 4-Bromofluorobenzene	0.0477		0.05		95.4	69.51	130.49	0.0476	0	0	

Sample ID: 2109083-16AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L								
Client ID: EB-1	Batch ID: A13831B	TestNo: SW8015									
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350580									
Analysis Date: 9/10/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	1.96	0.25	2	0	98.0	60	125				
Surr: 1,2-Dichloroethane-d4	0.0469		0.05		93.7	69.51	130.49				
Surr: Toluene-d8	0.0508		0.05		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.0476		0.05		95.2	69.51	130.49				

Qualifiers: B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 2109083
 16-Sep-21

Client: CH2M Hill
Project: DFSP Norwalk

TestCode: TPH/P_W

Sample ID: 2109083-16AGS	SampType: GS	TestCode: TPH/P_W	Units: mg/L								
Client ID: EB-1	Batch ID: A13831B	TestNo: SW8015									
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350580									
Analysis Date: 9/10/2021											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
 B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 2109083

16-Sep-21

Client: CH2M Hill
Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-13831	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A13831	TestNo: SW8260C	
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350562	
Analysis Date: 9/10/2021			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	1									
Chloromethane	ND	2									
Vinyl chloride	ND	1									
Chloroethane	ND	1									
Bromomethane	ND	2									
Trichlorofluoromethane	ND	1									
Acetone	ND	10									
1,1-Dichloroethene	ND	1									
Tertiary Butyl Alcohol (TBA)	ND	10									
Dichloromethane	ND	2									
Freon-113	ND	1									
Carbon disulfide	ND	2.5									
trans-1,2-Dichloroethene	ND	1									
Methyl tert-butyl ether (MTBE)	ND	0.5									
1,1-Dichloroethane	ND	1									
Vinyl acetate	ND	50									
2-Butanone (MEK)	ND	10									
Di-isopropyl Ether (DIPE)	ND	1									
cis-1,2-Dichloroethene	ND	1									
Bromochloromethane	ND	1									
Chloroform	ND	1									
Ethyl Tertiary Butyl Ether (ETBE)	ND	1									
2,2-Dichloropropane	ND	1									
1,2-Dichloroethane	ND	1									
1,1,1-Trichloroethane	ND	1									
1,1-Dichloropropene	ND	1									
Carbon tetrachloride	ND	1									
Benzene	ND	0.5									
Tertiary Amyl Methyl Ether (TAME)	ND	1									
Dibromomethane	ND	1									
1,2-Dichloropropane	ND	1									
Trichloroethene	ND	1									
Bromodichloromethane	ND	1									
4-Methyl-2-pentanone (MIBK)	ND	2.5									
cis-1,3-Dichloropropene	ND	1									
trans-1,3-Dichloropropene	ND	1									
1,1,2-Trichloroethane	ND	1									
Toluene	ND	0.5									
1,3-Dichloropropane	ND	1									
2-Hexanone	ND	5									

Qualifiers:
 B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 2109083

16-Sep-21

Client: CH2M Hill
Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: MB-13831	SampType: MBLK	TestCode: VOC_W	Units: µg/L
Client ID: PBW	Batch ID: A13831	TestNo: SW8260C	
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350562	
Analysis Date: 9/10/2021			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1									
1,2-Dibromoethane (EDB)	ND	2									
Tetrachloroethene	ND	1									
1,1,1,2-Tetrachloroethane	ND	1									
Chlorobenzene	ND	1									
Ethylbenzene	ND	0.5									
m,p-Xylene	ND	0.5									
Bromoform	ND	1									
Xylenes, Total	ND	0.5									
Styrene	ND	1									
o-Xylene	ND	0.5									
1,1,2,2-Tetrachloroethane	ND	1									
1,2,3-Trichloropropane	ND	2									
Isopropylbenzene	ND	1									
Bromobenzene	ND	1									
n-Propylbenzene	ND	1									
4-Chlorotoluene	ND	1									
2-Chlorotoluene	ND	1									
1,3,5-Trimethylbenzene	ND	1									
tert-Butylbenzene	ND	1									
1,2,4-Trimethylbenzene	ND	1									
sec-Butylbenzene	ND	1									
1,3-Dichlorobenzene	ND	1									
1,4-Dichlorobenzene	ND	1									
4-Isopropyltoluene	ND	1									
1,2-Dichlorobenzene	ND	1									
n-Butylbenzene	ND	1									
1,2-Dibromo-3-chloropropane (DBCP)	ND	3									
1,2,4-Trichlorobenzene	ND	2									
Naphthalene	ND	2									
1,2,3-Trichlorobenzene	ND	2									
Surr: 1,2-Dichloroethane-d4	9.5		10		95.0	69.51	130.49				
Surr: Toluene-d8	10		10		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	9		10		89.9	69.51	130.49				

Qualifiers:
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 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 2109083

16-Sep-21

Client: CH2M Hill
Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-13831	SampType: LCS	TestCode: VOC_W	Units: µg/L
Client ID: LCSW	Batch ID: A13831	TestNo: SW8260C	
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350561	
Analysis Date: 9/10/2021			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	13.2	1	10	0	132	16.9	124				S
Chloromethane	11	2	10	0	110	25.9	136				
Vinyl chloride	12.6	1	10	0	126	47.8	132				
Chloroethane	13.4	1	10	0	134	62.3	169				
Bromomethane	4.65	2	10	0	46.5	33.8	135				
Trichlorofluoromethane	9.83	1	10	0	98.3	16.8	155				
Acetone	195	10	200	0	97.5	72	124				
1,1-Dichloroethene	10.2	1	10	0	102	65.2	129				
Tertiary Butyl Alcohol (TBA)	99.1	10	100	0	99.1	52.9	128.4				
Dichloromethane	10.1	2	10	0	101	65.2	129				
Freon-113	10.7	1	10	0	107	52.4	143				
trans-1,2-Dichloroethene	10	1	10	0	100	66.7	132				
Methyl tert-butyl ether (MTBE)	9.67	0.5	10	0	96.7	52.9	125				
1,1-Dichloroethane	9.94	1	10	0	99.4	66.6	129				
2-Butanone (MEK)	203	10	200	0	102	63.7	120.4				
Di-isopropyl Ether (DIPE)	9.29	1	10	0	92.9	63.6	131				
cis-1,2-Dichloroethene	10.3	1	10	0	103	59.2	131				
Bromochloromethane	9.99	1	10	0	99.9	65.9	121				
Chloroform	10.2	1	10	0	102	56.5	149				
Ethyl Tertiary Butyl Ether (ETBE)	9.67	1	10	0	96.7	44.6	136				
2,2-Dichloropropane	11.2	1	10	0	112	58.2	146				
1,2-Dichloroethane	9.8	1	10	0	98.0	73.4	120.4				
1,1,1-Trichloroethane	10	1	10	0	100	52.7	144				
1,1-Dichloropropene	10.1	1	10	0	101	85.6	131				
Carbon tetrachloride	10.1	1	10	0	101	30.9	175				
Benzene	10.2	0.5	10	0	102	79.5	120.4				
Tertiary Amyl Methyl Ether (TAME)	10.1	1	10	0	101	52.4	141				
Dibromomethane	10.3	1	10	0	103	78.5	120.4				
1,2-Dichloropropane	9.92	1	10	0	99.2	79.5	126				
Trichloroethene	10.5	1	10	0	105	69	120.4				
Bromodichloromethane	9.95	1	10	0	99.5	73.9	122				
4-Methyl-2-pentanone (MIBK)	23.8	2.5	25	0	95.3	66.4	122				
cis-1,3-Dichloropropene	10.3	1	10	0	103	78.7	120.4				
trans-1,3-Dichloropropene	10.3	1	10	0	103	70.2	120.4				
1,1,2-Trichloroethane	10.7	1	10	0	107	76.2	120.4				
Toluene	10.2	0.5	10	0	102	79.7	126				
1,3-Dichloropropane	10.1	1	10	0	101	71.7	131				
2-Hexanone	93.5	5	100	0	93.6	52.9	152				
Dibromochloromethane	10.1	1	10	0	101	79.5	120.4				
1,2-Dibromoethane (EDB)	20.5	2	20	0	103	76.4	120.4				

Qualifiers:
 B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits
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QC SUMMARY REPORT

WO#: 2109083

16-Sep-21

Client: CH2M Hill
Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: LCS-13831	SampType: LCS	TestCode: VOC_W	Units: µg/L
Client ID: LCSW	Batch ID: A13831	TestNo: SW8260C	
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350561	
Analysis Date: 9/10/2021			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	10.7	1	10	0	107	64	123				
1,1,1,2-Tetrachloroethane	10.1	1	10	0	101	77.9	120.4				
Chlorobenzene	10.2	1	10	0	102	70.9	120.4				
Ethylbenzene	10.1	0.5	10	0	101	77.5	120.4				
m,p-Xylene	9.99	0.5	10	0	99.9	74.8	120.4				
Bromoform	9.54	1	10	0	95.4	51.3	120.4				
Xylenes, Total	19.9	0.5	20	0	99.4	77.6	120.4				
Styrene	9.68	1	10	0	96.8	71.9	120.4				
o-Xylene	9.89	0.5	10	0	98.9	79.1	120.4				
1,1,2,2-Tetrachloroethane	10.7	1	10	0	107	55.6	138				
1,2,3-Trichloropropane	22.2	2	20	0	111	73.4	120.4				
Isopropylbenzene	10.1	1	10	0	101	78.7	148				
Bromobenzene	9.93	1	10	0	99.3	79.5	121				
n-Propylbenzene	10.1	1	10	0	101	82.5	134				
4-Chlorotoluene	10	1	10	0	100	79.5	135				
2-Chlorotoluene	10.1	1	10	0	101	79.5	131				
1,3,5-Trimethylbenzene	9.85	1	10	0	98.5	79.5	135				
tert-Butylbenzene	9.94	1	10	0	99.4	79.5	139				
1,2,4-Trimethylbenzene	9.84	1	10	0	98.4	79.5	138				
sec-Butylbenzene	9.95	1	10	0	99.5	79.5	132				
1,3-Dichlorobenzene	10.3	1	10	0	103	79.5	125				
1,4-Dichlorobenzene	10.9	1	10	0	109	79.5	123				
4-Isopropyltoluene	10.2	1	10	0	102	79.5	130				
1,2-Dichlorobenzene	10.9	1	10	0	109	79.5	121				
n-Butylbenzene	10.1	1	10	0	101	79.5	136				
1,2-Dibromo-3-chloropropane (DBCP)	47.4	3	50	0	94.8	72.1	136				
1,2,4-Trichlorobenzene	10.5	2	10	0	105	73.3	126				
Naphthalene	10.6	2	10	0	106	47.2	142				
1,2,3-Trichlorobenzene	11.4	2	10	0	114	67.4	130				
Surr: 1,2-Dichloroethane-d4	10.6		10		106	69.51	130.5				
Surr: Toluene-d8	10.2		10		102	69.51	130.5				
Surr: 4-Bromofluorobenzene	9.52		10		95.2	69.51	130.5				

Sample ID: 2109083-16AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MSD	Batch ID: A13831	TestNo: SW8260C	
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350557	
Analysis Date: 9/10/2021			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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- Qualifiers:**
- B Analyte detected in the associated Method Blank
 - ND Not Detected at the Reporting Limit
 - R RPD outside accepted recovery limits
 - S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 2109083

16-Sep-21

Client: CH2M Hill
Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 2109083-16AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MSD	Batch ID: A13831	TestNo: SW8260C	
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350557	
Analysis Date: 9/10/2021			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	49.8	5	50	0	99.5	5.1	155	46.7	6.3	38	
Chloromethane	50.3	10	50	0	101	37.7	121	47.3	6.2	22.5	
Vinyl chloride	59.8	5	50	0	120	60.4	140	60.5	1.2	23.9	
Chloroethane	49.8	5	50	0	99.5	43.1	206	50.3	1.1	22.9	
Bromomethane	9.39	10	50	0	18.8	12.6	168	7.36	24	48	
Trichlorofluoromethane	42.9	5	50	0	85.8	58.6	163	43.1	0.53	33.3	
Acetone	982	50	1000	0	98.2	37.3	152	1100	12	50	
1,1-Dichloroethene	42.4	5	50	0	84.8	69.8	158	56.3	28	21.7	R
Tertiary Butyl Alcohol (TBA)	537	50	500	0	107	60.4	158	590	9.3	26.8	
Dichloromethane	50.4	10	50	0	101	71.7	132	54.7	8.1	20	
Freon-113	34.3	5	50	0	68.5	52.1	166	41.7	20	25.9	
trans-1,2-Dichloroethene	51.4	5	50	0	103	72	136	56.5	9.4	19.2	
Methyl tert-butyl ether (MTBE)	49.2	2.5	50	0	98.4	54.8	155	55.4	12	21.4	
1,1-Dichloroethane	50	5	50	0	100	76.9	140	54.9	9.4	18	
2-Butanone (MEK)	1020	50	1000	0	102	73.7	142	1140	11	20.9	
Di-isopropyl Ether (DIPE)	47.8	5	50	0	95.6	74.8	136	53.3	11	18.2	
cis-1,2-Dichloroethene	52.3	5	50	0	104	73.9	133	57.4	9.4	20.1	
Bromochloromethane	51.5	5	50	0	103	75.8	132	57.1	10	23.5	
Chloroform	51.7	5	50	0	103	74.3	130	56.5	8.8	18	
Ethyl Tertiary Butyl Ether (ETBE)	49.3	5	50	0	98.7	74.8	138	55.4	12	20.3	
2,2-Dichloropropane	40.5	5	50	0	81.1	53.9	146	45.4	11	52.3	
1,2-Dichloroethane	48.9	5	50	0	97.7	72.6	144	54.3	11	17.1	
1,1,1-Trichloroethane	49.7	5	50	0	99.4	70.2	138	54.1	8.5	22.2	
1,1-Dichloropropene	48.3	5	50	0	96.7	69.7	146	52	7.4	29.6	
Carbon tetrachloride	50.7	5	50	0	101	58.2	141	52.4	3.3	31.9	
Benzene	50.9	2.5	50	0	102	67.8	140	55.9	9.2	18.1	
Tertiary Amyl Methyl Ether (TAME)	49.5	5	50	0	99.0	72.3	144	54.3	9.3	20.6	
Dibromomethane	51.9	5	50	0	104	75.2	144	57	9.4	19.5	
1,2-Dichloropropane	50.2	5	50	0	100	75.3	144	55.1	9.2	19.7	
Trichloroethene	51.3	5	50	0	103	65.7	131	55.5	7.8	25.3	
Bromodichloromethane	51.5	5	50	0	103	70.2	141	56.4	9.1	20.5	
4-Methyl-2-pentanone (MIBK)	122	12.5	125	0	97.2	57.9	143	137	12	21.3	
cis-1,3-Dichloropropene	47.9	5	50	0	95.7	56.9	132	52.3	8.9	25.8	
trans-1,3-Dichloropropene	49.6	5	50	0	99.3	72	131	54	8.5	26.4	
1,1,2-Trichloroethane	53.8	5	50	0	108	74	130	58.5	8.4	21.9	
Toluene	50.4	2.5	50	0.33	100	67.2	131	55.8	10	18.3	
1,3-Dichloropropane	49.3	5	50	0	98.5	74.2	124	54.8	11	21.7	
2-Hexanone	473	25	500	0	94.5	66.7	135	529	11	20.9	
Dibromochloromethane	52	5	50	0	104	71.5	134	58.3	11	24.1	
1,2-Dibromoethane (EDB)	102	10	100	0	102	74.7	129	114	11	23.1	

Qualifiers: B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 2109083

16-Sep-21

Client: CH2M Hill
Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 2109083-16AMSD	SampType: MSD	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MSD	Batch ID: A13831	TestNo: SW8260C	
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350557	
Analysis Date: 9/10/2021			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	50	5	50	0	100	45.9	138	53.3	6.4	30.9	
1,1,1,2-Tetrachloroethane	51.7	5	50	0	103	75.7	125	56.9	9.5	22.6	
Chlorobenzene	50.9	5	50	0	102	73.7	120	55.6	8.8	23.1	
Ethylbenzene	50	2.5	50	0	99.9	70.3	122	54.1	8	25.3	
m,p-Xylene	49.3	2.5	50	0	98.6	52.9	136	54.2	9.5	26.6	
Bromoform	49.7	5	50	0	99.5	61.5	141	55.5	11	25	
Xylenes, Total	98.9	2.5	100	0	98.9	61	131	108	8.7	25.6	
Styrene	49.1	5	50	0	98.1	74	130	53.3	8.2	26	
o-Xylene	49.6	2.5	50	0	99.3	67.3	129	53.7	7.9	25	
1,1,2,2-Tetrachloroethane	55	5	50	0	110	62.4	153	61.4	11	24.6	
1,2,3-Trichloropropane	112	10	100	0	112	37.4	171	124	10	50	
Isopropylbenzene	49.4	5	50	0	98.7	63	132	50.8	2.9	33.1	
Bromobenzene	49.9	5	50	0	99.8	65.1	120	52.2	4.5	23.6	
n-Propylbenzene	48.5	5	50	0	96.9	58.2	128	49.4	1.9	32.4	
4-Chlorotoluene	48.4	5	50	0	96.9	63.9	127	50.4	3.9	29.1	
2-Chlorotoluene	49.7	5	50	0	99.4	63.2	126	51.5	3.6	28.9	
1,3,5-Trimethylbenzene	48	5	50	0	96.1	63.8	138	49.6	3.2	31.9	
tert-Butylbenzene	48.6	5	50	0	97.1	59.7	128	49.8	2.4	36.2	
1,2,4-Trimethylbenzene	48.3	5	50	0	96.6	65.1	135	50.5	4.5	28.8	
sec-Butylbenzene	47.6	5	50	0	95.3	55.5	128	48.3	1.3	40.9	
1,3-Dichlorobenzene	49.6	5	50	0	99.3	64.5	122	52	4.6	28.6	
1,4-Dichlorobenzene	52.4	5	50	0	105	63.7	121	54.9	4.7	27.7	
4-Isopropyltoluene	47.6	5	50	0	95.2	58	135	48.3	1.4	40.4	
1,2-Dichlorobenzene	53.4	5	50	0	107	66.7	122	57.1	6.7	24.5	
n-Butylbenzene	45.7	5	50	0	91.3	52.7	139	46.1	1.1	43.5	
1,2-Dibromo-3-chloropropane (DBCP)	248	15	250	0	99.3	59.1	143	263	5.9	24.9	
1,2,4-Trichlorobenzene	51.3	10	50	0	103	47.1	139	50	2.6	35	
Naphthalene	60.8	10	50	0	122	31.6	164	58.1	4.4	50	
1,2,3-Trichlorobenzene	58.8	10	50	0	118	17.7	171	54.5	7.7	57	
Surr: 1,2-Dichloroethane-d4	52.3		50		105	69.51	130.49	52.2	0	0	
Surr: Toluene-d8	50.3		50		101	69.51	130.49	50.7	0	0	
Surr: 4-Bromofluorobenzene	48.1		50		96.2	69.51	130.49	46	0	0	

Sample ID: 2109083-16AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MS	Batch ID: A13831	TestNo: SW8260C	
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350556	
Analysis Date: 9/10/2021			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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Qualifiers:
 B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits



Alpha Analytical, Inc.
 255 Glendale Ave, #21
 Sparks, Nevada 89431
 TEL: (775) 355-1044 FAX: (775) 355-0406
 Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2109083

16-Sep-21

Client: CH2M Hill
Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 2109083-16AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MS	Batch ID: A13831	TestNo: SW8260C	
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350556	
Analysis Date: 9/10/2021			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	46.7	5	50	0	93.4	5.1	155				
Chloromethane	47.3	10	50	0	94.7	37.7	121				
Vinyl chloride	60.5	5	50	0	121	60.4	140				
Chloroethane	50.3	5	50	0	101	43.1	206				
Bromomethane	7.36	10	50	0	14.7	12.6	168				
Trichlorofluoromethane	43.1	5	50	0	86.3	58.6	163				
Acetone	1100	50	1000	0	110	37.3	152				
1,1-Dichloroethene	56.3	5	50	0	113	69.8	158				
Tertiary Butyl Alcohol (TBA)	590	50	500	0	118	60.4	158				
Dichloromethane	54.7	10	50	0	109	71.7	132				
Freon-113	41.7	5	50	0	83.4	52.1	166				
trans-1,2-Dichloroethene	56.5	5	50	0	113	72	136				
Methyl tert-butyl ether (MTBE)	55.4	2.5	50	0	111	54.8	155				
1,1-Dichloroethane	54.9	5	50	0	110	76.9	140				
2-Butanone (MEK)	1140	50	1000	0	114	73.7	142				
Di-isopropyl Ether (DIPE)	53.3	5	50	0	107	74.8	136				
cis-1,2-Dichloroethene	57.4	5	50	0	115	73.9	133				
Bromochloromethane	57.1	5	50	0	114	75.8	132				
Chloroform	56.5	5	50	0	113	74.3	130				
Ethyl Tertiary Butyl Ether (ETBE)	55.4	5	50	0	111	74.8	138				
2,2-Dichloropropane	45.4	5	50	0	90.8	53.9	146				
1,2-Dichloroethane	54.3	5	50	0	109	72.6	144				
1,1,1-Trichloroethane	54.1	5	50	0	108	70.2	138				
1,1-Dichloropropene	52	5	50	0	104	69.7	146				
Carbon tetrachloride	52.4	5	50	0	105	58.2	141				
Benzene	55.9	2.5	50	0	112	67.8	140				
Tertiary Amyl Methyl Ether (TAME)	54.3	5	50	0	109	72.3	144				
Dibromomethane	57	5	50	0	114	75.2	144				
1,2-Dichloropropane	55.1	5	50	0	110	75.3	144				
Trichloroethene	55.5	5	50	0	111	65.7	131				
Bromodichloromethane	56.4	5	50	0	113	70.2	141				
4-Methyl-2-pentanone (MIBK)	137	12.5	125	0	109	57.9	143				
cis-1,3-Dichloropropene	52.3	5	50	0	105	56.9	132				
trans-1,3-Dichloropropene	54	5	50	0	108	72	131				
1,1,2-Trichloroethane	58.5	5	50	0	117	74	130				
Toluene	55.8	2.5	50	0.33	111	67.2	131				
1,3-Dichloropropane	54.8	5	50	0	110	74.2	124				
2-Hexanone	529	25	500	0	106	66.7	135				
Dibromochloromethane	58.3	5	50	0	117	71.5	134				
1,2-Dibromoethane (EDB)	114	10	100	0	114	74.7	129				

Qualifiers:
 B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits



Alpha Analytical, Inc.
 255 Glendale Ave, #21
 Sparks, Nevada 89431
 TEL: (775) 355-1044 FAX: (775) 355-0406
 Website: www.alpha-analytical.com

QC SUMMARY REPORT

WO#: 2109083

16-Sep-21

Client: CH2M Hill
Project: DFSP Norwalk

TestCode: VOC_W

Sample ID: 2109083-16AMS	SampType: MS	TestCode: VOC_W	Units: µg/L
Client ID: EB-1MS	Batch ID: A13831	TestNo: SW8260C	
Prep Date: 9/10/2021	RunNo: 12561	SeqNo: 350556	
Analysis Date: 9/10/2021			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	53.3	5	50	0	107	45.9	138				
1,1,1,2-Tetrachloroethane	56.9	5	50	0	114	75.7	125				
Chlorobenzene	55.6	5	50	0	111	73.7	120				
Ethylbenzene	54.1	2.5	50	0	108	70.3	122				
m,p-Xylene	54.2	2.5	50	0	108	52.9	136				
Bromoform	55.5	5	50	0	111	61.5	141				
Xylenes, Total	108	2.5	100	0	108	61	131				
Styrene	53.3	5	50	0	107	74	130				
o-Xylene	53.7	2.5	50	0	107	67.3	129				
1,1,2,2-Tetrachloroethane	61.4	5	50	0	123	62.4	153				
1,2,3-Trichloropropane	124	10	100	0	124	37.4	171				
Isopropylbenzene	50.8	5	50	0	102	63	132				
Bromobenzene	52.2	5	50	0	104	65.1	120				
n-Propylbenzene	49.4	5	50	0	98.8	58.2	128				
4-Chlorotoluene	50.4	5	50	0	101	63.9	127				
2-Chlorotoluene	51.5	5	50	0	103	63.2	126				
1,3,5-Trimethylbenzene	49.6	5	50	0	99.2	63.8	138				
tert-Butylbenzene	49.8	5	50	0	99.5	59.7	128				
1,2,4-Trimethylbenzene	50.5	5	50	0	101	65.1	135				
sec-Butylbenzene	48.3	5	50	0	96.5	55.5	128				
1,3-Dichlorobenzene	52	5	50	0	104	64.5	122				
1,4-Dichlorobenzene	54.9	5	50	0	110	63.7	121				
4-Isopropyltoluene	48.3	5	50	0	96.6	58	135				
1,2-Dichlorobenzene	57.1	5	50	0	114	66.7	122				
n-Butylbenzene	46.1	5	50	0	92.3	52.7	139				
1,2-Dibromo-3-chloropropane (DBCP)	263	15	250	0	105	59.1	143				
1,2,4-Trichlorobenzene	50	10	50	0	99.9	47.1	139				
Naphthalene	58.1	10	50	0	116	31.6	164				
1,2,3-Trichlorobenzene	54.5	10	50	0	109	17.7	171				
Surr: 1,2-Dichloroethane-d4	52.2		50		104	69.51	130.49				
Surr: Toluene-d8	50.7		50		101	69.51	130.49				
Surr: 4-Bromofluorobenzene	46		50		92.0	69.51	130.49				

Qualifiers:
 B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits



Alpha Analytical, Inc.
255 Glendale Ave, #21
Sparks, Nevada 89431
TEL: (775) 355-1044 FAX: (775) 355-0406
Website: www.alpha-analytical.com

Definition Only

WO#: 2109083
Date: 9/14/2021

Definitions:

ND = Not Detected

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

D = Reporting Limits were increased due to high concentrations of non-target analytes.

H = Reporting Limits were increased due to the hydrocarbons present in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

K = DRO concentration may include contributions from lighter-end hydrocarbons (e.g. gasoline) that elute in the DRO range.

L = DRO concentration may include contributions from heavier-end hydrocarbons (e.g. motor oil) that elute in the DRO range.

O = Reporting Limits were increased due to sample foaming.

V = Reporting Limits were increased due to high concentrations of target analytes.

X = Reporting Limits were increased due to sample matrix interferences.

Z = DRO concentration may include contributions from lighter-end (e.g. gasoline) and heavier-end (e.g. motor oil) hydrocarbons that elute in the DRO range.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample was acceptable.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

S52 = Surrogate recovery was above laboratory acceptance limits. Probable matrix effect.

S53 = Surrogate recovery was below laboratory acceptance limits. Probable matrix effect.

S54 = Surrogate recovery was below laboratory acceptance limits.

S55 = Surrogate recovery was above laboratory acceptance limits.

Report CC's Benny Pataray
 Danny Hill
 Eric Davis
 Malcolm Thomas
 Nils Orliczky

WORKORDER SUMMARY

Alpha Analytical, Inc.

255 Glendale Ave, #21 Sparks, Nevada 89431
 TEL: (775) 355-1044 FAX: (775) 355-0406

CA
AMENDED

WorkOrder: CHH2109083
 Report Due By: 15-Sep-21
 EDD Required: YES

Report Attention: Eric Davis

Client:
 CH2M Hill
 1000 Wilshire Boulevard
 Los Angeles, CA 90017

TEL: 2132288271
 FAX: 7144242135
 ProjectNo: DFSP Norwalk

Date Received: 03-Sep-21

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha Sub	TAT	Requested Tests			Sample Remarks
						TPHE_W	TPHIP_W	VOC_W	
CHH2109083-01	GMW-36	AQ	8/31/2021 7:40:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-02	GMW-10	AQ	8/31/2021 9:09:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-03	DUP-1	AQ	8/31/2021	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-04	GMW-28	AQ	8/31/2021 9:56:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-05	GMW-O-24	AQ	8/31/2021 10:42:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-06	MW-O-2	AQ	8/31/2021 11:50:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-07	GMW-23	AQ	8/31/2021 2:35:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-08	GMW-O-12	AQ	8/31/2021 3:40:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-09	GMW-29	AQ	8/31/2021 1:08:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-10	GMW-O-21	AQ	9/1/2021 9:16:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	1 voa received broken

Comments: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 9/16/21 to correct the Client ID for -09A. per email from Malcolm. RV

Logged in by: Ryan Vasey **Signature** Ryan Vasey **Print Name** Ryan Vasey **Company** Alpha Analytical, Inc. **Date/Time** 9/16/21 14:00

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Teclar B-Brass P-Plastic OT-Other

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles		Requested Tests				Sample Remarks
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W	
CHH2109083-11	GMW-O-23	AQ	9/1/2021 10:04:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-12	GMW-O-11	AQ	9/1/2021 10:49:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-13	GMW-O-20	AQ	9/1/2021 11:30:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-14	GMW-O-14	AQ	9/1/2021 12:16:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-15	TB-1	AQ	8/31/2021 7:00:00 AM	3	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	Client provided TB
CHH2109083-16	EB-1	AQ	9/1/2021 12:40:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	

Comments: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 9/16/21 to correct the Client ID for -09A. per email from Malcolm. RV

Logged in by: Reya Valle Signature: Reya Valle Print Name: Reya Valle Company: Alpha Analytical, Inc. Date/Time: 9/14/21 14:00

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Report CC's Benny Pataray
 Danny Hill
 Eric Davis
 Malcolm Thomas
 Nils Orliczky

WORKORDER SUMMARY

CA

WorkOrder: CHH2109083
 Report Due By: 15-Sep-21
 EDD Required: YES

Alpha Analytical, Inc.

255 Glendale Ave, #21 Sparks, Nevada 89431
 TEL: (775) 355-1044 FAX: (775) 355-0406

Report Attention: Eric Davis

Client:
 CH2M Hill
 1000 Wilshire Boulevard
 Los Angeles, CA 90017

TEL: 2132288271
 FAX: 7144242135
 ProjectNo: DFSP Norwalk

Date Received: 03-Sep-21

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha Sub	TAT	TPHE_W	TPHP_W	VOC_W	Requested Tests		Sample Remarks
CHH2109083-01	GMW-36	AQ	8/31/2021 7:40:00 AM	6	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate			
CHH2109083-02	GMW-10	AQ	8/31/2021 9:09:00 AM	6	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate			
CHH2109083-03	DUP-1	AQ	8/31/2021	6	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate			
CHH2109083-04	GMW-28	AQ	8/31/2021 9:56:00 AM	6	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate			
CHH2109083-05	GMW-O-24	AQ	8/31/2021 10:42:00 AM	6	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate			
CHH2109083-06	MW-O-2	AQ	8/31/2021 11:50:00 AM	6	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate			
CHH2109083-07	GMW-23	AQ	8/31/2021 2:35:00 PM	6	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate			
CHH2109083-08	GMW-O-12	AQ	8/31/2021 3:40:00 PM	6	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate			1 vva received broken
CHH2109083-09	GMW-O-29	AQ	8/31/2021 1:08:00 PM	6	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate			
CHH2109083-10	GMW-O-21	AQ	9/1/2021 9:16:00 AM	6	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate			

Comments: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values.

Logged in by: Hayden Tilton Signature: Hayden Tilton Print Name: Hayden Tilton Company: Alpha Analytical, Inc. Date/Time: 9/3/21 15:04

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
 Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles		Requested Tests				Sample Remarks
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W	
CHH2109083-11	GMW-O-23	AQ	9/1/2021 10:04:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-12	GMW-O-11	AQ	9/1/2021 10:49:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-13	GMW-O-20	AQ	9/1/2021 11:30:00 AM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-14	GMW-O-14	AQ	9/1/2021 12:16:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	
CHH2109083-15	TB-1	AQ	8/31/2021 7:00:00 AM	3	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	Client provided TB
CHH2109083-16	EB-1	AQ	9/1/2021 12:40:00 PM	6	0	7	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	A - TPHE(0.05) +Vinyl acetate	

Comments: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values.

Logged in by:	Signature	Print Name	Company	Date/Time
		Haylee Tilton	Alpha Analytical, Inc.	9/3/21 1504

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
 Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB

Alpha Analytical COC / of 2

Billing Information:
Kinder Morgan
1100 Town and Country Rd.
Orange CA 95112

Report to:
Eric Davis
Kinder Morgan Norwalk
2600 Michelson Drive
Suite 500
Irvine, CA 92612

CHAIN OF CUSTODY

CLIENT

Kinder Morgan

SITE


DFSP Norwalk
15306 Norwalk Blvd, Norwalk

CONTAINERS

SAMPLE I.D.	DATE	TIME	MATRIX	#	Preservation	Type	CONDUCT ANALYSIS TO DETECT	
							TPHg, TPHd (FPA 8015M)	VOCs & Oxygenates (FPA 8260B)
GMW-36	8-21-21	0740	Ax	6	HCL	Voas	X	X
Gmw-10		0909					X	X
DUP-1		—					X	X
Gmw-28		0956					X	X
Gmw-024		1042					X	X
MW-0-2		1150					X	X
Gmw-23		1435					X	X
Gmw-0-12		1540					X	X
Gmw-0-29		1308					X	X
Gmw-0-21	9-1-21	0916	L	1			X	X

SAMPLING PERFORMED BY *Kevin Thompson*

RESULTS NEEDED
NO LATER THAN
Standard

RELEASED BY	TIME	RECEIVED BY	TIME	DATE	TIME
	1530	Nicole	1530	9/1/21	1530
RELEASED BY	1600	FEDEx	1600	9/2/21	1600
RELEASED BY		<i>Hayden Altam</i>		9/3/21	1448
SHIPPED VIA		COOLER #			

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7774
PHONE (408) 573-0555

Alpha Analytical COC 2 of 2

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

Billing Information:
Kinder Morgan
1100 Town and Country Rd.
Orange CA 95112

Report to:
Eric Davis
Kinder Morgan Norwalk
2600 Michelson Drive
Suite 500
Irvine, CA 92612

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		CONDUCT ANALYSIS TO DETECT		ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type	TPHg, TPHd (EPA 8015M)				
GMW-0-23	9-1-21	1004	AQ	6	HCL	Vials	X	X			C1142109083-11
GMW-0-11		1049					X	X			12
GMW-0-20		1130					X	X			13
GMW-0-14		1216					X	X			14
TB-1		0700		3			X	X			15
EB-1		1240		6			X	X			16

SAMPLING COMPLETED: 9-1-21 1300

PERFORMED BY: Kevin Thompson

RESULTS NEEDED: NO LATER THAN Standard

RELEASED BY: [Signature]

RECEIVED BY: [Signature] N7 Cole

DATE: 9/1/21 TIME: 1530

RELEASED BY: [Signature] Nicole

RECEIVED BY: [Signature] FEDEX

DATE: 9/2/21 TIME: 1600

RELEASED BY: [Signature]

RECEIVED BY: [Signature] Tilton

DATE: 9/3/21 TIME: 1448

SHIPPED VIA: [Blank]

COOLER #: [Blank]

Attachment C
Free Product Thickness and Groundwater Elevation Trends

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
BW-1	10/04/10	73.17	---	25.94	---	47.23
BW-1	04/11/11	73.17	---	25.36	---	47.81
BW-1	10/10/11	73.17	---	25.03	---	48.14
BW-1	04/16/12	73.17	---	26.20	---	46.97
BW-1	07/09/12	73.17	---	NM	---	NC
BW-1	10/15/12	73.17	---	25.26	---	47.91
BW-1	04/08/13	73.17	---	NM	---	NC
BW-2	10/04/10	73.57	---	26.02	---	47.55
BW-2	04/11/11	73.57	---	25.30	---	48.27
BW-2	10/10/11	73.57	---	23.81	---	49.76
BW-2	04/16/12	73.57	---	26.29	---	47.28
BW-2	07/09/12	73.57	---	NM	---	NC
BW-2	10/15/12	73.57	---	25.58	---	47.99
BW-2	04/08/13	73.57	---	27.65	---	45.92
BW-3	10/04/10	74.16	---	27.80	---	46.36
BW-3	04/11/11	74.16	---	26.14	---	48.02
BW-3	10/10/11	74.16	---	26.91	---	47.25
BW-3	04/16/12	74.16	---	27.37	---	46.79
BW-3	07/09/12	74.16	---	NM	---	NC
BW-3	10/15/12	74.16	---	26.19	---	47.97
BW-3	04/08/13	74.16	---	28.85	---	45.31
BW-4	10/04/10	74.61	---	27.10	---	47.51
BW-4	04/11/11	74.61	---	26.23	---	48.38
BW-4	10/10/11	74.61	---	26.30	---	48.31
BW-4	04/16/12	74.61	---	27.52	---	47.09
BW-4	07/09/12	74.61	---	NM	---	NC
BW-4	10/15/12	74.61	---	26.93	---	47.68
BW-4	04/08/13	74.61	---	29.00	---	45.61
BW-5	10/04/10	73.59	---	26.03	---	47.56
BW-5	04/11/11	73.59	---	25.18	---	48.41
BW-5	10/10/11	73.59	---	25.19	---	48.40
BW-5	04/16/12	73.59	---	26.57	---	47.02
BW-5	07/09/12	73.59	---	NM	---	NC
BW-5	10/15/12	73.59	---	26.11	---	47.48
BW-5	04/08/13	73.59	---	28.05	---	45.54
BW-6	10/04/10	73.48	---	26.36	---	47.12
BW-6	04/11/11	73.48	---	25.34	---	48.14
BW-6	10/10/11	73.48	---	25.74	---	47.74
BW-6	04/16/12	73.48	---	26.73	---	46.75
BW-6	07/09/12	73.48	---	NM	---	NC
BW-6	10/15/12	73.48	---	26.00	---	47.48
BW-6	04/08/13	73.48	---	28.34	---	45.14
BW-7	10/04/10	74.65	---	27.55	---	47.10
BW-7	04/11/11	74.65	---	26.70	---	47.95
BW-7	10/10/11	74.65	---	26.83	---	47.82
BW-7	04/16/12	74.65	---	27.71	---	46.94
BW-7	07/09/12	74.65	---	NM	---	NC
BW-7	10/15/12	74.65	---	27.15	---	47.50

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
BW-7	04/08/13	74.65	---	29.01	---	45.64
BW-8	10/04/10	75.08	---	27.97	---	47.11
BW-8	04/11/11	75.08	---	27.28	---	47.80
BW-8	10/10/11	75.08	---	27.15	---	47.93
BW-8	04/16/12	75.08	---	28.08	---	47.00
BW-8	07/09/12	75.08	---	NM	---	NC
BW-8	10/15/12	75.08	---	29.61	---	45.47
BW-8	04/08/13	75.08	---	29.46	---	45.62
BW-9	10/04/10	76.19	---	29.20	---	46.99
BW-9	04/11/11	76.19	---	28.50	---	47.69
BW-9	10/10/11	76.19	---	28.49	---	47.70
BW-9	04/16/12	76.19	---	29.40	---	46.79
BW-9	07/09/12	76.19	---	NM	---	NC
BW-9	10/15/12	76.19	---	29.22	---	46.97
BW-9	04/08/13	76.19	---	30.54	---	45.65
EP-73	10/04/17	77.21	35.31	36.55	0.24	NC
EP-73	04/16/18	77.21	35.89	37.67	1.78	NC
EP-73	04/15/19	77.21	35.39	35.85	0.46	NC
EP-73	10/30/19	77.21	---	36.19	---	NC
EP-73	05/05/20	77.21	---	35.54	---	41.67
EP-73	11/02/20	77.21	---	35.71	---	41.50
EP-73	05/06/21	77.21	---	36.44	---	40.77
EXP-1	11/20/96	78.44	---	49.10	---	29.34
EXP-1	07/01/97	78.44	---	47.89	---	30.55
EXP-1	12/31/97	78.44	---	47.08	---	31.36
EXP-1	05/01/98	78.44	---	45.16	---	33.28
EXP-1	05/25/99	78.44	---	45.44	---	33.00
EXP-1	08/09/99	78.44	---	47.60	---	30.84
EXP-1	09/23/99	78.44	---	48.53	---	29.91
EXP-1	10/12/99	78.44	---	48.51	---	29.93
EXP-1	11/15/99	78.44	---	48.39	---	30.05
EXP-1	12/21/99	78.44	---	47.69	---	30.75
EXP-1	01/20/00	78.44	---	47.45	---	30.99
EXP-1	02/28/00	78.44	---	46.92	---	31.52
EXP-1	03/28/00	78.44	---	46.65	---	31.79
EXP-1	04/20/00	78.44	---	47.20	---	31.24
EXP-1	05/15/00	78.44	---	47.51	---	30.93
EXP-1	05/15/00	78.44	---	47.55	---	30.89
EXP-1	06/30/00	78.44	---	48.51	---	29.93
EXP-1	08/28/00	78.44	---	49.50	---	28.94
EXP-1	02/05/01	78.44	---	48.47	---	29.97
EXP-1	05/07/01	78.44	---	48.15	---	30.29
EXP-1	05/07/01	78.44	---	48.09	---	30.35
EXP-1	09/18/01	78.44	---	50.22	---	28.22
EXP-1	11/05/01	78.44	---	50.17	---	28.27
EXP-1	11/13/01	78.44	---	49.32	---	29.12
EXP-1	11/13/01	78.44	---	49.31	---	29.13
EXP-1	01/29/02	78.44	---	49.07	---	29.37

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
EXP-1	04/08/02	78.44	---	49.20	---	29.24
EXP-1	04/08/02	78.44	---	48.96	---	29.48
EXP-1	07/29/02	78.44	---	51.35	---	27.09
EXP-1	10/21/02	78.44	---	51.91	---	26.53
EXP-1	10/21/02	78.44	---	51.94	---	26.50
EXP-1	01/27/03	78.44	---	49.60	---	28.84
EXP-1	04/07/03	78.44	---	50.30	---	28.14
EXP-1	04/07/03	78.44	---	50.28	---	28.16
EXP-1	07/30/03	78.44	---	51.42	---	27.02
EXP-1	10/06/03	78.44	---	51.77	---	26.67
EXP-1	10/06/03	78.44	---	51.76	---	26.68
EXP-1	01/27/04	78.44	---	51.25	---	27.19
EXP-1	04/19/04	78.44	---	51.09	---	27.35
EXP-1	04/19/04	78.44	---	51.09	---	27.35
EXP-1	07/19/04	78.44	---	52.91	---	25.53
EXP-1	11/01/04	78.44	---	54.14	---	24.30
EXP-1	02/01/05	78.44	---	52.90	---	25.54
EXP-1	05/02/05	78.44	---	51.91	---	26.53
EXP-1	05/02/05	78.44	---	51.77	---	26.67
EXP-1	08/01/05	78.44	---	52.61	---	25.83
EXP-1	10/31/05	78.44	---	52.59	---	25.85
EXP-1	02/27/06	78.44	---	50.28	---	28.16
EXP-1	03/06/06	78.44	---	50.63	---	27.81
EXP-1	05/01/06	78.44	---	49.70	---	28.74
EXP-1	05/01/06	78.44	---	49.30	---	29.14
EXP-1	08/26/06	78.44	---	50.53	---	27.91
EXP-1	09/18/06	78.44	---	50.56	---	27.88
EXP-1	12/01/06	78.44	---	50.74	---	27.70
EXP-1	12/04/06	78.44	---	50.28	---	28.16
EXP-1	03/12/07	78.44	---	48.91	---	29.53
EXP-1	03/21/07	78.44	---	48.82	---	29.62
EXP-1	04/27/07	78.44	---	49.20	---	29.24
EXP-1	04/30/07	78.44	---	48.85	---	29.59
EXP-1	08/28/07	78.44	---	51.38	---	27.06
EXP-1	08/28/07	78.44	---	51.38	---	27.06
EXP-1	11/12/07	78.44	---	52.27	---	26.17
EXP-1	11/12/07	78.44	---	52.37	---	26.07
EXP-1	02/05/08	78.44	---	52.15	---	26.29
EXP-1	02/19/08	78.44	---	51.63	---	26.81
EXP-1	04/11/08	78.44	---	51.51	---	26.93
EXP-1	04/14/08	78.44	---	51.40	---	27.04
EXP-1	07/24/08	78.44	---	52.92	---	25.52
EXP-1	08/11/08	78.44	---	53.21	---	25.23
EXP-1	10/13/08	78.44	---	53.75	---	24.69
EXP-1	10/14/08	78.44	---	53.75	---	24.69
EXP-1	02/09/09	78.44	---	52.56	---	25.88
EXP-1	04/20/09	78.44	---	53.41	---	25.03
EXP-1	04/20/09	78.44	---	53.41	---	25.03

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
EXP-1	07/16/09	78.44	---	55.06	---	23.38
EXP-1	07/20/09	78.44	---	54.83	---	23.61
EXP-1	10/19/09	78.44	---	55.86	---	22.58
EXP-1	01/11/10	78.44	---	55.80	---	22.64
EXP-1	03/15/10	78.44	---	55.01	---	23.43
EXP-1	04/07/10	78.44	---	55.29	---	23.15
EXP-1	04/12/10	78.44	---	55.24	---	23.20
EXP-1	05/24/10	78.44	---	55.38	---	23.06
EXP-1	05/28/10	78.44	---	55.40	---	23.04
EXP-1	10/04/10	78.44	---	56.44	---	22.00
EXP-1	01/06/11	78.44	---	54.99	---	23.45
EXP-1	01/10/11	78.44	---	54.77	---	23.67
EXP-1	04/07/11	78.44	---	53.67	---	24.77
EXP-1	04/11/11	78.44	---	53.98	---	24.46
EXP-1	07/07/11	78.44	---	53.65	---	24.79
EXP-1	07/11/11	78.44	---	53.51	---	24.93
EXP-1	10/06/11	78.44	---	54.13	---	24.31
EXP-1	10/10/11	78.44	---	53.75	---	24.69
EXP-1	01/09/12	78.44	---	52.67	---	25.77
EXP-1	01/09/12	78.44	---	52.67	---	25.77
EXP-1	04/16/12	78.44	---	52.29	---	26.15
EXP-1	04/16/12	78.44	---	52.29	---	26.15
EXP-1	07/09/12	78.44	---	52.69	---	25.75
EXP-1	10/15/12	78.44	---	53.63	---	24.81
EXP-1	01/10/13	78.44	---	52.78	---	25.66
EXP-1	01/14/13	78.44	---	52.99	---	25.45
EXP-1	04/03/13	78.44	---	52.91	---	25.53
EXP-1	04/08/13	78.44	---	52.51	---	25.93
EXP-1	04/08/13	78.44	---	52.57	---	25.87
EXP-1	10/01/13	78.44	---	55.34	---	23.10
EXP-1	10/07/13	78.44	---	55.41	---	23.03
EXP-1	04/09/14	78.44	---	55.42	---	23.02
EXP-1	04/14/14	78.44	---	55.45	---	22.99
EXP-1	10/27/14	78.44	---	58.29	---	20.15
EXP-1	10/27/14	78.44	---	58.44	---	20.00
EXP-1	04/20/15	78.44	---	57.81	---	20.63
EXP-1	10/19/15	78.44	---	59.22	---	19.22
EXP-1	04/11/16	78.44	---	59.50	---	18.94
EXP-1	04/13/16	78.44	---	59.43	---	19.01
EXP-1	10/03/16	78.44	---	61.31	---	17.13
EXP-1	10/03/16	78.44	---	61.17	---	17.27
EXP-1	04/17/17	78.44	---	60.47	---	17.97
EXP-1	04/18/17	78.44	---	60.48	---	17.96
EXP-1	10/02/17	78.44	---	60.98	---	17.46
EXP-1	10/03/17	78.44	---	61.14	---	17.30
EXP-1	04/16/18	78.44	---	60.17	---	18.27
EXP-1	11/05/18	78.44	---	61.74	---	16.70
EXP-1	04/16/19	78.44	---	60.63	---	17.81

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
EXP-1	04/18/19	78.44	---	60.77	---	17.67
EXP-1	10/28/19	78.44	---	61.80	---	16.64
EXP-1	10/28/19	78.44	---	61.83	---	16.61
EXP-1	05/04/20	78.44	---	60.24	---	18.20
EXP-1	05/04/20	78.44	---	60.35	---	18.09
EXP-1	10/19/20	78.44	---	61.25	---	17.19
EXP-1	11/02/20	78.44	---	61.25	---	17.19
EXP-1	11/02/20	78.44	---	61.25	---	17.19
EXP-1	05/03/21	78.44	---	59.79	---	18.65
EXP-1	05/04/21	78.44	---	59.97	---	18.47
EXP-2	11/20/96	79.43	---	48.20	---	31.23
EXP-2	07/01/97	79.43	---	47.19	---	32.24
EXP-2	12/31/97	79.43	---	46.33	---	33.10
EXP-2	05/01/98	79.43	---	44.40	---	35.03
EXP-2	05/04/99	79.43	---	44.05	---	35.38
EXP-2	05/25/99	79.43	---	44.85	---	34.58
EXP-2	07/21/99	79.43	---	46.67	---	32.76
EXP-2	08/09/99	79.43	---	47.02	---	32.41
EXP-2	09/23/99	79.43	---	48.90	---	30.53
EXP-2	10/12/99	79.43	---	48.93	---	30.50
EXP-2	11/15/99	79.43	---	47.76	---	31.67
EXP-2	12/21/99	79.43	---	47.03	---	32.40
EXP-2	01/20/00	79.43	---	46.85	---	32.58
EXP-2	02/28/00	79.43	---	46.39	---	33.04
EXP-2	03/28/00	79.43	---	46.15	---	33.28
EXP-2	04/20/00	79.43	---	46.69	---	32.74
EXP-2	05/15/00	79.43	---	47.04	---	32.39
EXP-2	05/15/00	79.43	---	47.05	---	32.38
EXP-2	06/30/00	79.43	---	48.01	---	31.42
EXP-2	08/28/00	79.43	---	48.96	---	30.47
EXP-2	11/13/00	79.43	---	48.71	---	30.72
EXP-2	11/13/00	79.43	---	48.74	---	30.69
EXP-2	02/05/01	79.43	---	47.83	---	31.60
EXP-2	05/07/01	79.43	---	47.61	---	31.82
EXP-2	05/07/01	79.43	---	47.58	---	31.85
EXP-2	09/18/01	79.43	---	49.75	---	29.68
EXP-2	11/05/01	79.43	---	49.60	---	29.83
EXP-2	01/29/02	79.43	---	48.56	---	30.87
EXP-2	04/08/02	79.43	---	48.72	---	30.71
EXP-2	04/08/02	79.43	---	48.63	---	30.80
EXP-2	07/29/02	79.43	---	50.90	---	28.53
EXP-2	10/21/02	79.43	---	51.51	---	27.92
EXP-2	10/21/02	79.43	---	51.46	---	27.97
EXP-2	01/27/03	79.43	---	49.29	---	30.14
EXP-2	04/07/03	79.43	---	50.05	---	29.38
EXP-2	04/07/03	79.43	---	49.95	---	29.48
EXP-2	07/30/03	79.43	---	51.15	---	28.28
EXP-2	10/06/03	79.43	---	51.62	---	27.81

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
EXP-2	10/06/03	79.43	---	51.62	---	27.81
EXP-2	01/27/04	79.43	---	51.09	---	28.34
EXP-2	04/19/04	79.43	---	51.08	---	28.35
EXP-2	04/19/04	79.43	---	50.00	---	29.43
EXP-2	07/19/04	79.43	---	52.90	---	26.53
EXP-2	11/01/04	79.43	---	53.98	---	25.45
EXP-2	02/01/05	79.43	---	52.89	---	26.54
EXP-2	05/02/05	79.43	---	51.87	---	27.56
EXP-2	05/02/05	79.43	---	51.75	---	27.68
EXP-2	08/01/05	79.43	---	52.65	---	26.78
EXP-2	10/31/05	79.43	---	52.55	---	26.88
EXP-2	02/27/06	79.43	---	50.30	---	29.13
EXP-2	05/01/06	79.43	---	49.69	---	29.74
EXP-2	05/01/06	79.43	---	49.31	---	30.12
EXP-2	09/18/06	79.43	---	51.53	---	27.90
EXP-2	12/01/06	79.43	---	50.60	---	28.83
EXP-2	12/04/06	79.43	---	50.19	---	29.24
EXP-2	03/12/07	79.43	---	48.92	---	30.51
EXP-2	04/30/07	79.43	---	49.31	---	30.12
EXP-2	04/30/07	79.43	---	48.87	---	30.56
EXP-2	08/28/07	79.43	---	51.31	---	28.12
EXP-2	11/12/07	79.43	---	52.27	---	27.16
EXP-2	11/12/07	79.43	---	52.27	---	27.16
EXP-2	02/19/08	79.43	---	51.49	---	27.94
EXP-2	04/11/08	79.43	---	51.46	---	27.97
EXP-2	04/14/08	79.43	---	51.35	---	28.08
EXP-2	07/24/08	79.43	---	53.08	---	26.35
EXP-2	08/11/08	79.43	---	53.28	---	26.15
EXP-2	10/13/08	79.43	---	53.76	---	25.67
EXP-2	10/14/08	79.43	---	53.76	---	25.67
EXP-2	02/09/09	79.43	---	52.81	---	26.62
EXP-2	04/20/09	79.43	---	54.83	---	24.60
EXP-2	04/20/09	79.43	---	54.83	---	24.60
EXP-2	07/16/09	79.43	---	54.91	---	24.52
EXP-2	07/20/09	79.43	---	54.91	---	24.52
EXP-2	10/19/09	79.43	---	55.90	---	23.53
EXP-2	01/11/10	79.43	---	55.93	---	23.50
EXP-2	03/15/10	79.43	---	55.22	---	24.21
EXP-2	04/07/10	79.43	---	55.52	---	23.91
EXP-2	04/12/10	79.43	---	55.82	---	23.61
EXP-2	05/24/10	79.43	---	55.66	---	23.77
EXP-2	05/28/10	79.43	---	55.69	---	23.74
EXP-2	10/04/10	79.43	---	56.65	---	22.78
EXP-2	01/06/11	79.43	---	55.48	---	23.95
EXP-2	01/10/11	79.43	---	55.18	---	24.25
EXP-2	04/06/11	79.43	---	54.07	---	25.36
EXP-2	04/11/11	79.43	---	54.44	---	24.99
EXP-2	07/07/11	79.43	---	54.18	---	25.25

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
EXP-2	07/11/11	79.43	---	53.94	---	25.49
EXP-2	10/06/11	79.43	---	54.26	---	25.17
EXP-2	10/10/11	79.43	---	53.21	---	26.22
EXP-2	01/09/12	79.43	---	52.98	---	26.45
EXP-2	01/09/12	79.43	---	52.98	---	26.45
EXP-2	04/16/12	79.43	---	52.63	---	26.80
EXP-2	04/16/12	79.43	---	52.63	---	26.80
EXP-2	07/09/12	79.43	---	53.08	---	26.35
EXP-2	10/15/12	79.43	---	53.96	---	25.47
EXP-2	01/10/13	79.43	---	53.22	---	26.21
EXP-2	01/14/13	79.43	---	53.02	---	26.41
EXP-2	04/02/13	79.43	---	53.33	---	26.10
EXP-2	04/08/13	79.43	---	52.97	---	26.46
EXP-2	10/01/13	79.43	---	55.89	---	23.54
EXP-2	10/07/13	79.43	---	55.88	---	23.55
EXP-2	04/07/14	79.43	---	56.07	---	23.36
EXP-2	04/14/14	79.43	---	56.10	---	23.33
EXP-2	10/27/14	79.43	---	58.94	---	20.49
EXP-2	10/27/14	79.43	---	59.11	---	20.32
EXP-2	04/20/15	79.43	---	58.53	---	20.90
EXP-2	10/19/15	79.43	---	60.23	---	19.20
EXP-2	04/11/16	79.43	---	60.25	---	19.18
EXP-2	04/11/16	79.43	---	60.31	---	19.12
EXP-2	10/03/16	79.43	---	61.88	---	17.55
EXP-2	10/03/16	79.43	---	62.18	---	17.25
EXP-2	04/17/17	79.43	---	61.39	---	18.04
EXP-2	04/17/17	79.43	---	61.42	---	18.01
EXP-2	10/02/17	79.43	---	62.04	---	17.39
EXP-2	04/16/18	79.43	---	61.08	---	18.35
EXP-2	11/05/18	79.43	---	62.92	---	16.51
EXP-2	11/05/18	79.43	---	62.91	---	16.52
EXP-2	04/12/19	79.43	---	61.75	---	17.68
EXP-2	04/16/19	79.43	---	61.77	---	17.66
EXP-2	04/18/19	79.43	---	61.87	---	17.56
EXP-2	10/28/19	79.43	---	62.91	---	16.52
EXP-2	10/28/19	79.43	---	62.96	---	16.47
EXP-2	05/04/20	79.43	---	61.52	---	17.91
EXP-2	05/04/20	79.43	---	61.48	---	17.95
EXP-2	10/19/20	79.43	---	62.40	---	17.03
EXP-2	11/02/20	79.43	---	62.40	---	17.03
EXP-2	11/02/20	79.43	---	62.38	---	17.05
EXP-2	05/03/21	79.43	---	61.20	---	18.23
EXP-2	05/04/21	79.43	---	61.23	---	18.20
EXP-3	11/20/96	77.58	---	48.25	---	29.33
EXP-3	07/01/97	77.58	---	47.15	---	30.43
EXP-3	12/31/97	77.58	---	46.21	---	31.37
EXP-3	05/01/98	77.58	---	44.19	---	33.39
EXP-3	05/04/99	77.58	---	43.88	---	33.70

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
EXP-3	05/26/99	77.58	---	44.72	---	32.86
EXP-3	08/09/99	77.58	---	46.98	---	30.60
EXP-3	09/23/99	77.58	---	47.78	---	29.80
EXP-3	10/12/99	77.58	---	47.76	---	29.82
EXP-3	11/15/99	77.58	---	47.65	---	29.93
EXP-3	12/21/99	77.58	---	46.85	---	30.73
EXP-3	01/20/00	77.58	---	46.57	---	31.01
EXP-3	02/28/00	77.58	---	46.01	---	31.57
EXP-3	03/28/00	77.58	---	45.79	---	31.79
EXP-3	04/20/00	77.58	---	46.35	---	31.23
EXP-3	05/15/00	77.58	---	46.68	---	30.90
EXP-3	05/15/00	77.58	---	46.63	---	30.95
EXP-3	06/30/00	77.58	---	47.75	---	29.83
EXP-3	08/28/00	77.58	---	48.77	---	28.81
EXP-3	11/13/00	77.58	---	48.41	---	29.17
EXP-3	11/13/00	77.58	---	48.51	---	29.07
EXP-3	02/05/01	77.58	---	47.58	---	30.00
EXP-3	05/07/01	77.58	---	47.29	---	30.29
EXP-3	05/07/01	77.58	---	47.26	---	30.32
EXP-3	09/18/01	77.58	---	49.46	---	28.12
EXP-3	11/05/01	77.58	---	49.32	---	28.26
EXP-3	01/29/02	77.58	---	48.19	---	29.39
EXP-3	04/08/02	77.58	---	48.25	---	29.33
EXP-3	04/08/02	77.58	---	48.21	---	29.37
EXP-3	07/29/02	77.58	---	50.59	---	26.99
EXP-3	10/21/02	77.58	---	51.11	---	26.47
EXP-3	10/21/02	77.58	---	51.16	---	26.42
EXP-3	01/27/03	77.58	---	48.62	---	28.96
EXP-3	04/07/03	77.58	---	49.55	---	28.03
EXP-3	04/07/03	77.58	---	49.46	---	28.12
EXP-3	07/30/03	77.58	---	50.59	---	26.99
EXP-3	10/06/03	77.58	---	50.95	---	26.63
EXP-3	10/06/03	77.58	---	51.01	---	26.57
EXP-3	01/27/04	77.58	---	50.35	---	27.23
EXP-3	04/19/04	77.58	---	50.19	---	27.39
EXP-3	04/19/04	77.58	---	50.22	---	27.36
EXP-3	07/19/04	77.58	---	52.19	---	25.39
EXP-3	11/01/04	77.58	---	53.26	---	24.32
EXP-3	02/01/05	77.58	---	51.94	---	25.64
EXP-3	05/02/05	77.58	---	50.90	---	26.68
EXP-3	05/02/05	77.58	---	49.83	---	27.75
EXP-3	08/01/05	77.58	---	51.82	---	25.76
EXP-3	10/31/05	77.58	---	51.71	---	25.87
EXP-3	02/27/06	77.58	---	49.29	---	28.29
EXP-3	05/01/06	77.58	---	48.74	---	28.84
EXP-3	05/01/06	77.58	---	48.31	---	29.27
EXP-3	09/18/06	77.58	---	50.14	---	27.44
EXP-3	12/01/06	77.58	---	49.74	---	27.84

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
EXP-3	12/04/06	77.58	---	49.41	---	28.17
EXP-3	03/12/07	77.58	---	47.95	---	29.63
EXP-3	04/30/07	77.58	---	48.31	---	29.27
EXP-3	04/30/07	77.58	---	47.86	---	29.72
EXP-3	08/28/07	77.58	---	50.61	---	26.97
EXP-3	11/12/07	77.58	---	51.56	---	26.02
EXP-3	11/12/07	77.58	---	51.57	---	26.01
EXP-3	02/05/08	77.58	---	51.23	---	26.35
EXP-3	02/19/08	77.58	---	50.70	---	26.88
EXP-3	04/14/08	77.58	---	50.63	---	26.95
EXP-3	04/14/08	77.58	---	50.60	---	26.98
EXP-3	07/24/08	77.58	---	52.78	---	24.80
EXP-3	08/11/08	77.58	---	52.45	---	25.13
EXP-3	10/13/08	77.58	---	52.97	---	24.61
EXP-3	10/14/08	77.58	---	52.97	---	24.61
EXP-3	02/10/09	77.58	---	52.16	---	25.42
EXP-3	04/20/09	77.58	---	52.97	---	24.61
EXP-3	04/20/09	77.58	---	52.97	---	24.61
EXP-3	07/16/09	77.58	---	54.02	---	23.56
EXP-3	07/20/09	77.58	---	53.93	---	23.65
EXP-3	10/19/09	77.58	---	55.40	---	22.18
EXP-3	01/11/10	77.58	---	54.51	---	23.07
EXP-3	03/15/10	77.58	---	54.10	---	23.48
EXP-3	04/07/10	77.58	---	54.36	---	23.22
EXP-3	04/12/10	77.58	---	54.82	---	22.76
EXP-3	05/24/10	77.58	---	54.54	---	23.04
EXP-3	05/28/10	77.58	---	54.51	---	23.07
EXP-3	10/04/10	77.58	---	55.42	---	22.16
EXP-3	01/08/11	77.58	---	53.91	---	23.67
EXP-3	01/10/11	77.58	---	53.88	---	23.70
EXP-3	04/07/11	77.58	---	52.66	---	24.92
EXP-3	04/11/11	77.58	---	52.92	---	24.66
EXP-3	07/08/11	77.58	---	52.73	---	24.85
EXP-3	07/11/11	77.58	---	52.54	---	25.04
EXP-3	10/06/11	77.58	---	53.23	---	24.35
EXP-3	10/10/11	77.58	---	52.74	---	24.84
EXP-3	01/09/12	77.58	---	51.67	---	25.91
EXP-3	01/09/12	77.58	---	51.67	---	25.91
EXP-3	04/16/12	77.58	---	51.34	---	26.24
EXP-3	04/16/12	77.58	---	51.34	---	26.24
EXP-3	07/09/12	77.58	---	51.87	---	25.71
EXP-3	08/29/12	77.58	---	52.69	---	24.89
EXP-3	10/15/12	77.58	---	52.80	---	24.78
EXP-3	01/11/13	77.58	---	51.94	---	25.64
EXP-3	01/14/13	77.58	---	51.70	---	25.88
EXP-3	04/03/13	77.58	---	52.01	---	25.57
EXP-3	04/08/13	77.58	---	51.65	---	25.93
EXP-3	10/02/13	77.58	---	54.61	---	22.97

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
EXP-3	10/07/13	77.58	---	54.62	---	22.96
EXP-3	04/09/14	77.58	---	54.55	---	23.03
EXP-3	04/14/14	77.58	---	54.68	---	22.90
EXP-3	10/27/14	77.58	---	57.55	---	20.03
EXP-3	10/27/14	77.58	---	57.70	---	19.88
EXP-3	04/20/15	77.58	---	56.91	---	20.67
EXP-3	10/19/15	77.58	---	58.43	---	19.15
EXP-3	04/11/16	77.58	---	58.80	---	18.78
EXP-3	04/12/16	77.58	---	58.72	---	18.86
EXP-3	10/03/16	77.58	---	60.52	---	17.06
EXP-3	10/03/16	77.58	---	60.92	---	16.66
EXP-3	04/17/17	77.58	---	59.52	---	18.06
EXP-3	04/18/17	77.58	---	59.59	---	17.99
EXP-3	10/02/17	77.58	---	60.12	---	17.46
EXP-3	10/03/17	77.58	---	60.26	---	17.32
EXP-3	04/16/18	77.58	---	59.31	---	18.27
EXP-3	11/05/18	77.58	---	60.98	---	16.60
EXP-3	11/05/18	77.58	---	60.92	---	16.66
EXP-3	04/16/19	77.58	---	59.65	---	17.93
EXP-3	04/16/19	77.58	---	59.72	---	17.86
EXP-3	10/28/19	77.58	---	61.08	---	16.50
EXP-3	10/28/19	77.58	---	60.90	---	16.68
EXP-3	05/04/20	77.58	---	59.33	---	18.25
EXP-3	05/04/20	77.58	---	59.36	---	18.22
EXP-3	10/19/20	77.58	---	60.28	---	17.30
EXP-3	11/02/20	77.58	---	60.28	---	17.30
EXP-3	11/02/20	77.58	---	60.36	---	17.22
EXP-3	05/03/21	77.58	---	59.21	---	18.37
EXP-3	05/04/21	77.58	---	59.19	---	18.39
EXP-4	02/03/99	79.81	---	43.49	---	36.32
EXP-4	05/04/99	79.81	---	43.43	---	36.38
EXP-4	07/21/99	79.81	---	46.03	---	33.78
EXP-4	08/09/99	79.81	---	46.49	---	33.32
EXP-4	09/23/99	79.81	---	47.29	---	32.52
EXP-4	10/12/99	79.81	---	47.30	---	32.51
EXP-4	11/15/99	79.81	---	47.18	---	32.63
EXP-4	12/21/99	79.81	---	46.42	---	33.39
EXP-4	01/20/00	79.81	---	46.29	---	33.52
EXP-4	02/28/00	79.81	---	45.89	---	33.92
EXP-4	03/28/00	79.81	---	45.61	---	34.20
EXP-4	04/20/00	79.81	---	46.12	---	33.69
EXP-4	05/15/00	79.81	---	46.39	---	33.42
EXP-4	06/30/00	79.81	---	47.42	---	32.39
EXP-4	08/28/00	79.81	---	48.35	---	31.46
EXP-4	11/13/00	79.81	---	48.15	---	31.66
EXP-4	02/05/01	79.81	---	47.26	---	32.55
EXP-4	05/07/01	79.81	---	47.01	---	32.80
EXP-4	09/18/01	79.81	---	49.10	---	30.71

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
EXP-4	11/05/01	79.81	---	48.97	---	30.84
EXP-4	01/29/02	79.81	---	47.97	---	31.84
EXP-4	04/08/02	79.81	---	48.01	---	31.80
EXP-4	10/21/02	79.81	---	51.45	---	28.36
EXP-4	04/07/03	79.81	---	49.51	---	30.30
EXP-4	10/06/03	79.81	---	51.14	---	28.67
EXP-4	01/11/04	79.81	---	53.61	---	26.20
EXP-4	04/19/04	79.81	---	50.59	---	29.22
EXP-4	05/02/05	79.81	---	51.43	---	28.38
EXP-4	10/31/05	79.81	---	49.21	---	30.60
EXP-4	05/01/06	79.81	---	49.00	---	30.81
EXP-4	09/18/06	79.81	---	49.73	---	30.08
EXP-4	12/04/06	79.81	---	44.51	---	35.30
EXP-4	04/30/07	79.81	---	48.59	---	31.22
EXP-4	11/12/07	79.81	---	51.35	---	28.46
EXP-4	04/14/08	79.81	---	50.95	---	28.86
EXP-4	10/13/08	79.81	---	53.29	---	26.52
EXP-4	04/20/09	79.81	---	53.54	---	26.27
EXP-4	07/20/09	79.81	---	54.51	---	25.30
EXP-4	10/19/09	79.81	---	55.42	---	24.39
EXP-4	05/24/10	79.81	---	55.10	---	24.71
EXP-4	05/28/10	79.81	---	55.10	---	24.71
EXP-4	10/04/10	79.81	---	56.23	---	23.58
EXP-4	04/11/11	79.81	---	54.10	---	25.71
EXP-4	10/10/11	79.81	---	53.93	---	25.88
EXP-4	04/16/12	79.81	---	52.49	---	27.32
EXP-4	07/09/12	79.81	---	NM	---	NC
EXP-4	10/15/12	79.81	---	53.74	---	26.07
EXP-4	04/08/13	79.81	---	52.51	---	27.30
EXP-4	10/07/13	79.81	---	55.62	---	24.19
EXP-4	04/14/14	79.81	---	55.92	---	23.89
EXP-4	10/27/14	79.81	---	58.95	---	20.86
EXP-4	04/20/15	79.81	---	58.43	---	21.38
EXP-4	10/19/15	79.81	---	60.00	---	19.81
EXP-4	04/11/16	79.81	---	60.30	---	19.51
EXP-4	10/03/16	79.81	---	62.71	---	17.10
EXP-4	10/03/16	79.81	---	62.71	---	17.10
EXP-4	04/17/17	79.81	---	61.41	---	18.40
EXP-4	10/02/17	79.81	---	62.03	---	17.78
EXP-4	11/05/18	79.81	---	62.95	---	16.86
EXP-4	04/16/19	79.81	---	61.92	---	17.89
EXP-4	10/28/19	79.81	---	63.16	---	16.65
EXP-4	05/04/20	79.81	---	61.66	---	18.15
EXP-4	11/02/20	79.81	---	62.48	---	17.33
EXP-4	05/03/21	79.81	---	61.38	---	18.43
EXP-5	02/03/99	72.41	---	39.50	---	32.91
EXP-5	05/03/99	72.41	---	39.30	---	33.11
EXP-5	07/21/99	72.41	---	42.10	---	30.31

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
EXP-5	08/09/99	72.41	---	42.60	---	29.81
EXP-5	09/23/99	72.41	---	43.41	---	29.00
EXP-5	10/12/99	72.41	---	43.39	---	29.02
EXP-5	11/15/99	72.41	---	43.21	---	29.20
EXP-5	12/21/99	72.41	---	42.30	---	30.11
EXP-5	01/20/00	72.41	---	42.07	---	30.34
EXP-5	02/28/00	72.41	---	41.45	---	30.96
EXP-5	03/28/00	72.41	---	41.20	---	31.21
EXP-5	04/20/00	72.41	---	41.78	---	30.63
EXP-5	05/15/00	72.41	---	42.16	---	30.25
EXP-5	06/30/00	72.41	---	43.26	---	29.15
EXP-5	08/28/00	72.41	---	44.32	---	28.09
EXP-5	11/13/00	72.41	---	44.02	---	28.39
EXP-5	02/05/01	72.41	---	42.95	---	29.46
EXP-5	05/07/01	72.41	---	43.46	---	28.95
EXP-5	09/18/01	72.41	---	45.01	---	27.40
EXP-5	11/05/01	72.41	---	44.81	---	27.60
EXP-5	01/29/02	72.41	---	43.55	---	28.86
EXP-5	04/08/02	72.41	---	43.72	---	28.69
EXP-5	07/29/02	72.41	---	46.12	---	26.29
EXP-5	10/21/02	72.41	---	46.61	---	25.80
EXP-5	01/27/03	72.41	---	43.89	---	28.52
EXP-5	04/07/03	72.41	---	44.70	---	27.71
EXP-5	07/30/03	72.41	---	45.89	---	26.52
EXP-5	10/06/03	72.41	---	46.35	---	26.06
EXP-5	01/11/04	72.41	---	48.53	---	23.88
EXP-5	01/27/04	72.41	---	45.57	---	26.84
EXP-5	04/19/04	72.41	---	45.41	---	27.00
EXP-5	07/19/04	72.41	---	47.55	---	24.86
EXP-5	02/01/05	72.41	---	47.07	---	25.34
EXP-5	05/02/05	72.41	---	45.81	---	26.60
EXP-5	08/01/05	72.41	---	45.37	---	27.04
EXP-5	10/31/05	72.41	---	46.83	---	25.58
EXP-5	02/27/06	72.41	---	47.21	---	25.20
EXP-5	05/01/06	72.41	---	43.34	---	29.07
EXP-5	09/18/06	72.41	---	44.88	---	27.53
EXP-5	12/04/06	72.41	---	49.73	---	22.68
EXP-5	03/12/07	72.41	---	43.02	---	29.39
EXP-5	04/30/07	72.41	---	43.02	---	29.39
EXP-5	08/28/07	72.41	---	45.86	---	26.55
EXP-5	11/12/07	72.41	---	46.37	---	26.04
EXP-5	02/19/08	72.41	---	45.90	---	26.51
EXP-5	04/14/08	72.41	---	45.73	---	26.68
EXP-5	08/11/08	72.41	---	47.68	---	24.73
EXP-5	10/13/08	72.41	---	48.19	---	24.22
EXP-5	04/20/09	72.41	---	47.86	---	24.55
EXP-5	07/20/09	72.41	---	49.10	---	23.31
EXP-5	10/19/09	72.41	---	50.61	---	21.80

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
EXP-5	03/15/10	72.41	---	49.02	---	23.39
EXP-5	05/24/10	72.41	---	49.54	---	22.87
EXP-5	05/28/10	72.41	---	49.49	---	22.92
EXP-5	10/04/10	72.41	---	50.35	---	22.06
EXP-5	01/10/11	72.41	---	48.69	---	23.72
EXP-5	04/11/11	72.41	---	49.82	---	22.59
EXP-5	07/11/11	72.41	---	47.42	---	24.99
EXP-5	10/10/11	72.41	---	49.58	---	22.83
EXP-5	01/09/12	72.41	---	46.53	---	25.88
EXP-5	04/16/12	72.41	---	46.21	---	26.20
EXP-5	07/09/12	72.41	---	46.88	---	25.53
EXP-5	10/15/12	72.41	---	47.78	---	24.63
EXP-5	01/14/13	72.41	---	46.64	---	25.77
EXP-5	04/08/13	72.41	---	46.58	---	25.83
EXP-5	10/07/13	72.41	---	50.13	---	22.28
EXP-5	04/14/14	72.41	---	49.42	---	22.99
EXP-5	10/27/14	72.41	---	52.58	---	19.83
EXP-5	04/20/15	72.41	---	51.71	---	20.70
EXP-5	10/19/15	72.41	---	53.27	---	19.14
EXP-5	04/11/16	72.41	---	53.40	---	19.01
EXP-5	10/03/16	72.41	---	55.40	---	17.01
EXP-5	10/03/16	72.41	---	55.40	---	17.01
EXP-5	04/17/17	72.41	---	54.26	---	18.15
EXP-5	10/02/17	72.41	---	54.73	---	17.68
EXP-5	11/05/18	72.41	---	53.61	---	18.80
EXP-5	04/16/19	72.41	---	54.14	---	18.27
EXP-5	10/28/19	72.41	---	55.50	---	16.91
EXP-5	05/04/20	72.41	---	53.81	---	18.60
EXP-5	11/02/20	72.41	---	54.74	---	17.67
EXP-5	05/03/21	72.41	---	53.47	---	18.94
GMW-1	11/20/96	74.77	---	27.73	---	47.04
GMW-1	07/01/97	74.77	---	27.97	---	46.80
GMW-1	12/31/97	74.77	---	27.85	---	46.92
GMW-1	05/01/98	74.77	---	24.77	---	50.00
GMW-1	05/04/99	74.77	---	25.75	---	49.02
GMW-1	08/09/99	74.77	---	26.24	---	48.53
GMW-1	11/15/99	74.77	---	26.39	---	48.38
GMW-1	05/15/00	74.77	---	26.26	---	48.51
GMW-1	11/13/00	74.77	---	26.95	---	47.82
GMW-1	05/07/01	74.77	---	25.50	---	49.27
GMW-1	11/05/01	74.77	---	25.53	---	49.24
GMW-1	04/08/02	74.77	---	26.10	---	48.67
GMW-1	10/21/02	74.77	---	26.82	---	47.95
GMW-1	04/07/03	74.77	---	26.17	---	48.60
GMW-1	07/30/03	74.77	---	26.11	---	48.66
GMW-1	10/06/03	74.77	---	26.22	---	48.55
GMW-1	01/11/04	74.77	---	27.59	---	47.18
GMW-1	01/27/04	74.77	---	26.57	---	48.20

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-1	04/19/04	74.77	---	27.25	---	47.52
GMW-1	07/19/04	74.77	---	26.84	---	47.93
GMW-1	02/01/05	74.77	---	25.79	---	48.98
GMW-1	05/02/05	74.77	---	20.84	---	53.93
GMW-1	08/01/05	74.77	---	21.92	---	52.85
GMW-1	10/31/05	74.77	---	26.96	---	47.81
GMW-1	02/27/06	74.77	---	23.15	---	51.62
GMW-1	05/01/06	74.77	---	23.30	---	51.47
GMW-1	09/18/06	74.77	---	23.70	---	51.07
GMW-1	12/04/06	74.77	---	24.06	---	50.71
GMW-1	03/12/07	74.77	---	24.18	---	50.59
GMW-1	04/30/07	74.77	---	23.21	---	51.56
GMW-1	08/28/07	74.77	---	19.70	---	55.07
GMW-1	11/12/07	74.77	---	23.70	---	51.07
GMW-1	02/19/08	74.77	---	25.20	---	49.57
GMW-1	04/14/08	74.77	---	25.12	---	49.65
GMW-1	10/13/08	74.77	---	25.84	---	48.93
GMW-1	04/20/09	74.77	---	26.18	---	48.59
GMW-1	10/19/09	74.77	---	27.52	---	47.25
GMW-1	05/24/10	74.77	---	26.95	---	47.82
GMW-1	05/28/10	74.77	---	26.91	---	47.86
GMW-1	10/04/10	74.77	---	26.95	---	47.82
GMW-1	01/10/11	74.77	---	28.22	---	46.55
GMW-1	04/11/11	74.77	---	25.98	---	48.79
GMW-1	07/11/11	74.77	---	NM	---	NC
GMW-1	10/10/11	74.77	---	26.15	---	48.62
GMW-1	01/09/12	74.77	---	26.68	---	48.09
GMW-1	04/16/12	74.77	---	28.03	---	46.74
GMW-1	07/09/12	74.77	---	29.14	---	45.63
GMW-1	10/15/12	74.77	---	29.49	---	45.28
GMW-1	01/14/13	74.77	---	29.54	---	45.23
GMW-1	04/08/13	74.77	---	29.34	---	45.43
GMW-1	10/07/13	74.77	---	30.25	---	44.52
GMW-1	04/14/14	74.77	---	30.42	---	44.35
GMW-1	10/27/14	74.77	---	30.78	---	43.99
GMW-1	04/20/15	74.77	---	31.19	---	43.58
GMW-1	10/19/15	74.77	---	31.89	---	42.88
GMW-1	03/14/16	74.77	---	36.16	---	38.61
GMW-1	04/11/16	74.77	---	34.00	---	40.77
GMW-1	06/29/16	74.77	---	35.12	---	39.65
GMW-1	08/22/16	74.77	---	35.06	---	39.71
GMW-1	10/03/16	74.77	---	35.80	---	38.97
GMW-1	10/03/16	74.77	---	35.80	---	38.97
GMW-1	04/17/17	74.77	---	NM	---	NC
GMW-1	11/05/18	74.77	---	NM	---	NC
GMW-1	04/16/19	74.77	---	DRY	---	NC
GMW-1	10/28/19	74.77	---	DRY	---	NC
GMW-1	05/04/20	74.77	---	32.90	---	41.87

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-1	11/02/20	74.77	---	DRY	---	NC
GMW-1	05/03/21	74.77	---	DRY	---	DRY
GMW-2	11/20/96	73.57	---	26.77	---	46.80
GMW-2	07/01/97	73.57	---	27.63	---	45.94
GMW-2	12/31/97	73.57	---	26.94	---	46.63
GMW-2	05/01/98	73.57	---	24.02	---	49.55
GMW-2	05/04/99	73.57	---	25.38	---	48.19
GMW-2	08/09/99	73.57	---	25.68	---	47.89
GMW-2	11/15/99	73.57	---	25.49	---	48.08
GMW-2	05/15/00	73.57	---	25.63	---	47.94
GMW-2	11/13/00	73.57	---	26.42	---	47.15
GMW-2	05/07/01	73.57	---	25.65	---	47.92
GMW-2	11/05/01	73.57	---	24.61	---	48.96
GMW-2	04/08/02	73.57	---	25.36	---	48.21
GMW-2	10/21/02	73.57	---	25.91	---	47.66
GMW-2	04/07/03	73.57	---	25.09	---	48.48
GMW-2	10/06/03	73.57	---	25.47	---	48.10
GMW-2	01/11/04	73.57	---	26.76	---	46.81
GMW-2	04/19/04	73.57	---	26.63	---	46.94
GMW-2	05/02/05	73.57	---	21.51	---	52.06
GMW-2	10/31/05	73.57	---	26.42	---	47.15
GMW-2	05/09/06	73.57	---	22.53	---	51.04
GMW-2	12/04/06	73.57	---	23.40	---	50.17
GMW-2	04/30/07	73.57	---	23.61	---	49.96
GMW-2	11/12/07	73.57	---	23.94	---	49.63
GMW-2	04/14/08	73.57	---	24.24	---	49.33
GMW-2	10/13/08	73.57	---	24.95	---	48.62
GMW-2	04/20/09	73.57	---	25.00	---	48.57
GMW-2	10/19/09	73.57	---	26.22	---	47.35
GMW-2	05/24/10	73.57	---	25.80	---	47.77
GMW-2	05/28/10	73.57	---	25.80	---	47.77
GMW-2	10/04/10	73.57	---	25.95	---	47.62
GMW-2	04/11/11	73.57	---	NM	---	NC
GMW-2	10/10/11	73.57	---	25.17	---	48.40
GMW-2	04/16/12	73.57	---	NM	---	NC
GMW-2	07/09/12	73.57	---	NM	---	NC
GMW-2	10/15/12	73.57	---	NM	---	NC
GMW-2	04/08/13	73.57	---	NM	---	NC
GMW-3	11/20/96	75.10	---	27.76	---	47.34
GMW-3	07/01/97	75.10	---	27.02	---	48.08
GMW-3	12/31/97	75.10	---	27.66	---	47.44
GMW-3	05/01/98	75.10	---	34.12	---	40.98
GMW-3	05/04/99	75.10	---	25.69	---	49.41
GMW-3	08/09/99	75.10	---	26.15	---	48.95
GMW-3	11/15/99	75.10	---	26.54	---	48.56
GMW-3	05/15/00	75.10	---	26.29	---	48.81
GMW-3	11/13/00	75.10	---	26.97	---	48.13
GMW-3	05/07/01	75.10	---	25.10	---	50.00

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-3	08/07/01	75.10	---	28.61	---	46.49
GMW-3	11/05/01	75.10	---	25.63	---	49.47
GMW-3	04/08/02	75.10	---	26.26	---	48.84
GMW-3	10/21/02	75.10	---	27.05	---	48.05
GMW-3	01/27/03	75.10	---	26.74	---	48.36
GMW-3	04/07/03	75.10	---	26.26	---	48.84
GMW-3	07/31/03	75.10	---	25.96	---	49.14
GMW-3	10/06/03	75.10	---	26.23	---	48.87
GMW-3	01/11/04	75.10	---	27.56	---	47.54
GMW-3	01/27/04	75.10	---	26.68	---	48.42
GMW-3	04/19/04	75.10	---	26.93	---	48.17
GMW-3	07/19/04	75.10	---	26.92	---	48.18
GMW-3	05/02/05	75.10	---	21.53	---	53.57
GMW-3	10/31/05	75.10	26.11	26.11	0.00	48.99
GMW-3	02/27/06	75.10	---	23.73	---	51.37
GMW-3	05/01/06	75.10	---	23.78	---	51.32
GMW-3	12/04/06	75.10	---	24.73	---	50.37
GMW-3	04/30/07	75.10	---	24.99	---	50.11
GMW-3	11/12/07	75.10	---	25.00	---	50.10
GMW-3	04/14/08	75.10	---	25.52	---	49.58
GMW-3	04/14/08	75.10	---	25.40	---	49.70
GMW-3	10/13/08	75.10	---	26.35	---	48.75
GMW-3	04/20/09	75.10	---	26.26	---	48.84
GMW-3	10/19/09	75.10	---	27.81	---	47.29
GMW-3	05/24/10	75.10	---	27.18	---	47.92
GMW-3	05/28/10	75.10	---	27.11	---	47.99
GMW-3	10/04/10	75.10	---	27.37	---	47.73
GMW-3	04/11/11	75.10	---	26.17	---	48.93
GMW-3	10/10/11	75.10	---	26.68	---	48.42
GMW-3	04/16/12	75.10	---	27.93	---	47.17
GMW-3	07/09/12	75.10	---	NM	---	NC
GMW-3	10/15/12	75.10	---	NM	---	NC
GMW-3	04/08/13	75.10	---	NM	---	NC
GMW-3	06/14/13	75.10	---	29.98	---	45.12
GMW-3	10/07/13	75.10	---	NM	---	NC
GMW-3	04/14/14	75.10	---	30.55	---	44.55
GMW-3	10/27/14	75.10	---	30.90	---	44.20
GMW-3	04/20/15	75.10	---	31.40	---	43.70
GMW-3	10/19/15	75.10	---	32.12	---	42.98
GMW-3	04/11/16	75.10	---	NM	---	NC
GMW-3	10/28/19	---	---	NM	---	NC
GMW-3	05/04/20	75.10	---	33.17	---	41.93
GMW-3	11/02/20	75.10	---	32.81	---	42.29
GMW-3	05/03/21	75.10	---	34.31	---	40.79
GMW-4	11/20/96	75.45	28.25	28.32	0.07	47.19
GMW-4	07/01/97	75.45	---	27.76	---	47.69
GMW-4	12/31/97	75.45	---	27.25	---	48.20
GMW-4	05/01/98	75.45	---	24.69	---	50.76

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-4	05/04/99	75.45	26.15	26.23	0.08	49.28
GMW-4	08/09/99	75.45	26.65	26.70	0.05	48.79
GMW-4	11/15/99	75.45	---	27.04	---	48.41
GMW-4	05/15/00	75.45	---	27.42	---	48.03
GMW-4	11/13/00	75.45	27.40	27.46	0.06	48.04
GMW-4	05/07/01	75.45	---	25.72	---	49.73
GMW-4	09/18/01	75.45	25.89	25.92	0.03	49.55
GMW-4	11/05/01	75.45	26.01	26.02	0.01	49.44
GMW-4	04/08/02	75.45	26.70	26.74	0.04	48.74
GMW-4	10/21/02	75.45	27.56	27.59	0.03	47.88
GMW-4	04/07/03	75.45	---	26.84	---	48.61
GMW-4	04/22/03	75.45	---	26.70	---	48.75
GMW-4	10/06/03	75.45	26.68	26.70	0.02	48.77
GMW-4	01/11/04	75.45	---	NM	---	NC
GMW-4	04/19/04	75.45	26.15	26.19	0.04	49.29
GMW-4	05/02/05	75.45	22.30	22.31	0.01	53.15
GMW-4	10/31/05	75.45	18.10	23.84	5.74	56.20
GMW-4	05/01/06	75.45	23.98	24.08	0.10	51.45
GMW-4	12/04/06	75.45	25.08	25.12	0.04	50.36
GMW-4	04/30/07	75.45	---	25.31	---	50.14
GMW-4	11/12/07	75.45	25.64	25.65	0.01	49.81
GMW-4	04/14/08	75.45	---	25.99	---	49.46
GMW-4	04/14/08	75.45	---	26.00	---	49.45
GMW-4	11/21/08	75.45	---	27.00	---	48.45
GMW-4	04/20/09	75.45	---	26.76	---	48.69
GMW-4	10/19/09	75.45	27.81	27.86	0.05	47.63
GMW-4	05/24/10	75.45	---	27.55	---	47.90
GMW-4	05/28/10	75.45	---	27.48	---	47.97
GMW-4	10/04/10	75.45	27.72	27.76	0.04	47.72
GMW-4	04/11/11	75.45	---	26.59	---	48.86
GMW-4	10/10/11	75.45	---	27.11	---	48.34
GMW-4	04/16/12	75.45	28.58	28.68	0.10	46.85
GMW-4	07/09/12	75.45	---	NM	---	NC
GMW-4	04/08/13	75.45	29.95	30.08	0.13	45.47
GMW-4	10/07/13	75.45	30.33	30.43	0.10	45.10
GMW-4	04/14/14	75.45	30.47	31.06	0.59	44.86
GMW-4	10/27/14	75.45	31.32	31.34	0.02	44.13
GMW-4R	04/17/17	---	---	36.15	---	NC
GMW-4R	10/02/17	75.13	---	34.57	---	40.56
GMW-4R	11/05/18	75.13	---	35.25	---	39.88
GMW-4R	04/16/19	75.13	---	33.49	---	41.64
GMW-4R	10/28/19	75.13	---	34.97	---	40.16
GMW-4R	05/04/20	75.13	---	32.35	---	42.78
GMW-4R	11/02/20	75.13	---	33.00	---	42.13
GMW-4R	05/03/21	75.13	---	34.57	---	40.56
GMW-5	11/20/96	77.61	---	31.25	---	46.36
GMW-5	07/01/97	77.61	---	30.95	---	46.66
GMW-5	12/31/97	77.61	---	31.16	---	46.45

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-5	05/01/98	77.61	---	28.20	---	49.41
GMW-5	05/25/99	77.61	---	29.01	---	48.60
GMW-5	05/15/00	77.61	---	29.91	---	47.70
GMW-5	11/13/00	77.61	---	29.23	---	48.38
GMW-5	05/07/01	77.61	---	28.82	---	48.79
GMW-5	04/08/02	77.61	---	29.95	---	47.66
GMW-5	10/21/02	77.61	---	30.11	---	47.50
GMW-5	04/07/03	77.61	---	29.68	---	47.93
GMW-5	10/06/03	77.61	---	29.55	---	48.06
GMW-5	04/19/04	77.61	---	30.53	---	47.08
GMW-5	05/02/05	77.61	---	25.73	---	51.88
GMW-5	03/06/06	77.61	---	27.02	---	50.59
GMW-5	05/01/06	77.61	---	27.32	---	50.29
GMW-5	08/26/06	77.61	---	27.67	---	49.94
GMW-5	12/01/06	77.61	---	28.03	---	49.58
GMW-5	03/21/07	77.61	---	27.91	---	49.70
GMW-5	04/27/07	77.61	---	28.50	---	49.11
GMW-5	08/28/07	77.61	---	28.19	---	49.42
GMW-5	11/12/07	77.61	---	28.98	---	48.63
GMW-5	02/05/08	77.61	---	28.93	---	48.68
GMW-5	04/11/08	77.61	---	28.86	---	48.75
GMW-5	07/24/08	77.61	---	29.41	---	48.20
GMW-5	10/13/08	77.61	---	29.97	---	47.64
GMW-5	02/09/09	77.61	---	29.88	---	47.73
GMW-5	07/16/09	77.61	---	29.93	---	47.68
GMW-5	04/07/10	77.61	---	30.35	---	47.26
GMW-5	10/01/10	77.61	---	30.59	---	47.02
GMW-5	01/06/11	77.61	---	30.70	---	46.91
GMW-5	04/08/11	77.61	---	29.52	---	48.09
GMW-5	07/07/11	77.61	---	29.76	---	47.85
GMW-5	10/06/11	77.61	---	30.16	---	47.45
GMW-5	04/12/12	77.61	---	31.33	---	46.28
GMW-5	01/10/13	77.61	---	32.38	---	45.23
GMW-5	04/02/13	77.61	---	32.34	---	45.27
GMW-5	10/01/13	77.61	---	33.08	---	44.53
GMW-5	04/07/14	77.61	---	33.76	---	43.85
GMW-5	04/14/14	77.61	---	33.62	---	43.99
GMW-5	10/27/14	77.61	---	34.12	---	43.49
GMW-5	04/20/15	77.61	---	34.46	---	43.15
GMW-5	04/11/16	77.61	---	NM	---	NC
GMW-5	10/03/16	77.61	---	NM	---	NC
GMW-5	04/17/17	77.61	---	DRY	---	NC
GMW-5	10/02/17	77.61	---	NM	---	NC
GMW-5	04/16/18	77.61	---	35.42	---	42.19
GMW-5	11/05/18	77.61	---	NM	---	NC
GMW-5	04/16/19	77.61	---	NM	---	NC
GMW-5	10/28/19	77.61	---	NM	---	NC
GMW-5	05/04/20	77.61	---	DRY	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-5	11/02/20	77.61	---	NM	---	NC
GMW-5	05/03/21	77.61	---	DRY	---	DRY
GMW-6	11/20/96	77.31	---	30.76	---	46.55
GMW-6	07/01/97	77.31	---	30.12	---	47.19
GMW-6	12/31/97	77.31	---	30.52	---	46.79
GMW-6	05/01/98	77.31	---	27.48	---	49.83
GMW-6	05/25/99	77.31	---	28.44	---	48.87
GMW-6	05/15/00	77.31	---	29.34	---	47.97
GMW-6	11/13/00	77.31	---	28.67	---	48.64
GMW-6	05/07/01	77.31	---	28.05	---	49.26
GMW-6	04/08/02	77.31	---	29.35	---	47.96
GMW-6	10/21/02	77.31	---	29.90	---	47.41
GMW-6	04/07/03	77.31	---	29.20	---	48.11
GMW-6	10/06/03	77.31	---	29.04	---	48.27
GMW-6	04/19/04	77.31	---	29.97	---	47.34
GMW-6	11/01/04	77.31	---	29.90	---	47.41
GMW-6	05/02/05	77.31	---	24.97	---	52.34
GMW-6	03/06/06	77.31	---	26.54	---	50.77
GMW-6	05/01/06	77.31	---	26.75	---	50.56
GMW-6	08/26/06	77.31	---	27.12	---	50.19
GMW-6	12/01/06	77.31	---	27.52	---	49.79
GMW-6	03/21/07	77.31	---	28.06	---	49.25
GMW-6	04/27/07	77.31	---	28.02	---	49.29
GMW-6	08/28/07	77.31	---	28.51	---	48.80
GMW-6	11/12/07	77.31	---	28.48	---	48.83
GMW-6	02/05/08	77.31	---	29.32	---	47.99
GMW-6	04/11/08	77.31	---	28.34	---	48.97
GMW-6	07/24/08	77.31	---	28.81	---	48.50
GMW-6	10/13/08	77.31	---	29.48	---	47.83
GMW-6	02/09/09	77.31	---	29.62	---	47.69
GMW-6	04/20/09	77.31	---	29.21	---	48.10
GMW-6	07/16/09	77.31	---	29.51	---	47.80
GMW-6	10/19/09	77.31	---	29.94	---	47.37
GMW-6	04/07/10	77.31	---	29.74	---	47.57
GMW-6	04/12/10	77.31	---	29.42	---	47.89
GMW-6	01/06/11	77.31	---	30.23	---	47.08
GMW-6	02/24/11	77.31	---	29.29	---	48.02
GMW-6	04/08/11	77.31	---	28.86	---	48.45
GMW-6	07/07/11	77.31	---	29.16	---	48.15
GMW-6	10/06/11	77.31	---	29.62	---	47.69
GMW-6	04/12/12	77.31	---	30.86	---	46.45
GMW-6	04/19/12	77.31	---	30.57	---	46.74
GMW-6	01/10/13	77.31	---	31.96	---	45.35
GMW-6	04/02/13	77.31	---	31.91	---	45.40
GMW-6	04/08/13	77.31	---	31.91	---	45.40
GMW-6	10/01/13	77.31	---	32.66	---	44.65
GMW-6	04/07/14	77.31	---	33.33	---	43.98
GMW-6	04/14/14	77.31	---	33.18	---	44.13

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-6	10/27/14	77.31	---	33.65	---	43.66
GMW-6	04/20/15	77.31	---	33.95	---	43.36
GMW-6	04/12/16	77.31	---	35.25	---	42.06
GMW-6	10/03/16	77.31	---	35.63	---	41.68
GMW-6	04/17/17	77.31	---	34.91	---	42.40
GMW-6	10/02/17	77.31	---	35.56	---	41.75
GMW-6	04/16/18	77.31	---	36.17	---	41.14
GMW-6	11/05/18	77.31	---	36.79	---	40.52
GMW-6	04/16/19	77.31	---	35.89	---	41.42
GMW-6	10/28/19	77.31	---	36.33	---	40.98
GMW-6	05/04/20	77.31	---	36.14	---	41.17
GMW-6	11/02/20	77.31	---	36.39	---	40.92
GMW-6	05/03/21	77.31	---	36.85	---	40.46
GMW-7	07/01/97	75.84	28.30	31.57	3.27	46.89
GMW-7	12/31/97	75.84	28.30	32.10	3.80	46.78
GMW-7	05/01/98	75.84	20.80	25.90	5.10	54.02
GMW-7	05/25/99	75.84	26.18	30.37	4.19	48.82
GMW-7	05/15/00	75.84	---	30.13	---	45.71
GMW-7	11/13/00	75.84	---	29.17	---	46.67
GMW-7	05/07/01	75.84	26.45	27.40	0.95	49.20
GMW-7	04/08/02	75.84	---	28.77	---	47.07
GMW-7	09/19/02	75.84	---	28.73	---	47.11
GMW-7	10/21/02	75.84	---	28.05	---	47.79
GMW-7	04/07/03	75.84	27.77	28.15	0.38	47.99
GMW-7	10/06/03	75.84	27.60	27.78	0.18	48.20
GMW-7	04/19/04	75.84	29.05	29.17	0.12	46.77
GMW-7	11/01/04	75.84	27.76	28.01	0.25	48.03
GMW-7	02/28/05	75.84	---	24.65	---	51.19
GMW-7	05/02/05	75.84	---	23.90	---	51.94
GMW-7	03/06/06	75.84	---	25.40	---	50.44
GMW-7	05/01/06	75.84	---	25.30	---	50.54
GMW-7	08/26/06	75.84	---	25.66	---	50.18
GMW-7	12/01/06	75.84	---	25.98	---	49.86
GMW-7	03/21/07	75.84	---	26.58	---	49.26
GMW-7	04/30/07	75.84	---	26.49	---	49.35
GMW-7	08/28/07	75.84	---	26.92	---	48.92
GMW-7	11/12/07	75.84	---	27.08	---	48.76
GMW-7	02/05/08	75.84	---	27.61	---	48.23
GMW-7	04/14/08	75.84	---	26.70	---	49.14
GMW-7	10/14/08	75.84	27.76	27.79	0.03	48.07
GMW-7	02/10/09	75.84	---	26.23	---	49.61
GMW-7	07/17/09	75.84	---	27.65	---	48.19
GMW-7	04/08/10	75.84	---	28.90	---	46.94
GMW-7	10/01/10	75.84	---	28.54	---	47.30
GMW-7	01/08/11	75.84	---	28.62	---	47.22
GMW-7	04/12/12	75.84	---	29.28	---	46.56
GMW-7	10/02/13	75.84	31.28	31.41	0.13	44.53
GMW-7	04/07/14	75.84	32.01	32.05	0.04	43.82

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-7	04/16/14	75.84	31.88	31.92	0.04	43.95
GMW-7	10/27/14	75.84	32.20	32.22	0.02	43.64
GMW-7	04/20/15	75.84	---	32.59	---	43.25
GMW-7	04/11/16	75.84	---	33.99	---	41.85
GMW-7	10/03/16	75.84	---	34.36	---	41.48
GMW-7	04/19/17	75.84	34.28	34.30	0.02	41.56
GMW-7	10/03/17	76.87	---	35.13	---	41.74
GMW-7	04/16/18	76.87	---	35.92	---	40.95
GMW-7	11/05/18	76.87	---	36.58	---	40.29
GMW-7	04/22/19	76.87	---	34.74	---	42.13
GMW-7	10/30/19	76.87	---	36.20	---	40.67
GMW-7	05/05/20	76.87	---	35.58	---	41.29
GMW-7	11/02/20	75.84	---	35.89	---	40.98
GMW-7	05/04/21	76.87	---	36.30	---	40.57
GMW-8	11/20/96	73.20	---	26.72	---	46.48
GMW-8	07/01/97	73.20	---	28.07	---	45.13
GMW-8	12/31/97	73.20	---	26.85	---	46.35
GMW-8	05/01/98	73.20	---	24.24	---	48.96
GMW-8	05/04/99	73.20	---	25.51	---	47.69
GMW-8	11/15/99	73.20	---	25.66	---	47.54
GMW-8	05/15/00	73.20	---	26.03	---	47.17
GMW-8	11/13/00	73.20	---	26.45	---	46.75
GMW-8	05/07/01	73.20	---	24.49	---	48.71
GMW-8	11/05/01	73.20	---	24.38	---	48.82
GMW-8	04/08/02	73.20	---	25.49	---	47.71
GMW-8	10/21/02	73.20	---	26.43	---	46.77
GMW-8	04/07/03	73.20	---	24.93	---	48.27
GMW-8	10/06/03	73.20	---	25.72	---	47.48
GMW-8	01/11/04	73.20	---	26.95	---	46.25
GMW-8	04/19/04	73.20	---	27.00	---	46.20
GMW-8	05/02/05	73.20	---	21.74	---	51.46
GMW-8	10/31/05	73.20	---	27.13	---	46.07
GMW-8	05/01/06	73.20	---	22.59	---	50.61
GMW-8	12/04/06	73.20	---	23.34	---	49.86
GMW-8	04/30/07	73.20	---	23.46	---	49.74
GMW-8	11/12/07	73.20	---	23.83	---	49.37
GMW-8	04/14/08	73.20	---	24.29	---	48.91
GMW-8	10/13/08	73.20	---	24.43	---	48.77
GMW-8	04/20/09	73.20	---	24.88	---	48.32
GMW-8	10/19/09	73.20	---	25.69	---	47.51
GMW-8	05/24/10	73.20	---	25.98	---	47.22
GMW-8	05/28/10	73.20	---	25.87	---	47.33
GMW-8	10/04/10	73.20	---	25.80	---	47.40
GMW-8	04/11/11	73.20	---	NM	---	NC
GMW-8	10/10/11	73.20	---	NM	---	NC
GMW-8	04/16/12	73.20	---	NM	---	NC
GMW-8	07/09/12	73.20	---	NM	---	NC
GMW-8	10/15/12	73.20	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-8	04/08/13	73.20	---	NM	---	NC
GMW-8	06/14/13	73.20	---	29.02	---	44.18
GMW-8	10/07/13	73.20	---	NM	---	NC
GMW-8	04/14/14	73.20	---	29.60	---	43.60
GMW-8	10/27/14	73.20	---	29.96	---	43.24
GMW-8	04/20/15	73.20	---	30.43	---	42.77
GMW-8	10/19/15	73.20	---	31.13	---	42.07
GMW-8	04/11/16	73.20	---	32.20	---	41.00
GMW-8	10/03/16	73.20	---	33.47	---	39.73
GMW-8	10/03/16	73.20	---	33.47	---	39.73
GMW-8	04/17/17	73.20	---	30.74	---	42.46
GMW-8	10/02/17	73.20	---	33.40	---	39.80
GMW-8	11/05/18	73.20	---	33.95	---	39.25
GMW-8	04/16/19	73.20	---	27.98	---	45.22
GMW-8	10/28/19	73.20	---	33.87	---	39.33
GMW-8	05/04/20	73.20	---	32.23	---	40.97
GMW-8	11/02/20	73.20	---	32.32	---	40.88
GMW-8	05/03/21	73.20	---	32.94	---	40.26
GMW-9	08/07/01	74.44	27.23	27.74	0.51	47.10
GMW-9	10/21/02	74.44	28.95	28.97	0.02	45.49
GMW-9	04/07/03	74.44	29.56	29.59	0.02	44.87
GMW-9	10/06/03	74.44	28.14	28.30	0.16	46.26
GMW-9	01/11/04	74.44	---	NM	---	NC
GMW-9	04/19/04	74.44	---	28.71	---	45.73
GMW-9	05/02/05	74.44	---	24.72	---	49.72
GMW-9	10/31/05	74.44	25.31	25.56	0.25	49.07
GMW-9	05/01/06	74.44	25.65	25.86	0.21	48.74
GMW-9	12/04/06	74.44	27.79	27.88	0.90	47.26
GMW-9	04/30/07	74.44	---	26.71	---	47.73
GMW-9	11/12/07	74.44	27.04	27.32	0.28	47.34
GMW-9	08/08/08	74.44	27.96	28.01	0.05	46.47
GMW-9	10/16/08	74.44	28.35	28.36	0.01	46.09
GMW-9	12/17/08	74.44	---	27.61	---	46.83
GMW-9	01/15/09	74.44	---	28.91	---	45.53
GMW-9	03/27/09	74.44	---	29.04	---	45.40
GMW-9	04/21/09	74.44	---	28.16	---	46.28
GMW-9	07/21/09	74.44	---	28.31	---	46.13
GMW-9	10/19/09	74.44	---	NM	---	NC
GMW-9	05/24/10	74.44	---	30.47	---	43.97
GMW-9	05/28/10	74.44	---	30.35	---	44.09
GMW-9	10/04/10	74.44	---	30.30	---	44.14
GMW-9	01/10/11	74.44	---	32.02	---	42.42
GMW-9	04/11/11	74.44	---	25.41	---	49.03
GMW-9	07/11/11	74.44	---	NM	---	NC
GMW-9	10/10/11	74.44	---	28.91	---	45.53
GMW-9	04/16/12	74.44	---	31.15	---	43.29
GMW-9	07/09/12	---	---	31.64	---	NC
GMW-9	10/15/12	77.16	---	31.82	---	45.34

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-9	01/14/13	77.16	---	31.88	---	45.28
GMW-9	04/08/13	77.16	---	31.83	---	45.33
GMW-9	10/07/13	77.16	31.25	35.30	4.05	45.02
GMW-9	04/14/14	77.16	31.65	37.66	6.01	44.19
GMW-9	05/05/14	77.16	31.76	37.81	6.05	44.07
GMW-9	05/12/14	77.16	31.83	37.39	5.56	44.11
GMW-9	05/20/14	77.16	33.85	37.70	3.85	42.46
GMW-9	05/27/14	77.16	28.84	32.41	3.57	47.53
GMW-9	06/04/14	77.16	---	33.20	---	43.96
GMW-9	06/10/14	77.16	32.77	37.51	4.74	43.35
GMW-9	07/03/14	77.16	32.59	39.26	6.67	43.10
GMW-9	07/08/14	77.16	32.45	38.59	6.14	43.36
GMW-9	07/18/14	77.16	32.73	37.15	4.42	43.46
GMW-9	07/24/14	77.16	32.48	37.78	5.30	43.51
GMW-9	08/01/14	77.16	32.30	36.72	4.42	43.89
GMW-9	08/08/14	77.16	32.26	36.55	4.29	43.96
GMW-9	08/13/14	77.16	32.33	36.25	3.92	43.97
GMW-9	08/19/14	77.16	32.38	36.04	3.66	43.97
GMW-9	08/29/14	77.16	32.33	36.23	3.90	43.97
GMW-9	09/05/14	77.16	32.35	36.26	3.91	43.95
GMW-9	09/11/14	77.16	32.33	36.27	3.94	43.96
GMW-9	09/18/14	77.16	32.37	36.42	4.05	43.90
GMW-9	09/26/14	77.16	32.35	36.39	4.04	43.92
GMW-9	10/01/14	77.16	32.42	36.11	3.69	43.93
GMW-9	10/06/14	77.16	32.42	35.99	3.57	43.95
GMW-9	10/14/14	77.16	32.34	36.24	3.90	43.96
GMW-9	10/23/14	77.16	32.35	36.32	3.97	43.94
GMW-9	10/27/14	77.16	32.42	36.04	3.62	43.94
GMW-9	11/03/14	77.16	32.35	36.40	4.05	43.92
GMW-9	11/10/14	77.16	32.41	36.32	3.91	43.89
GMW-9	11/18/14	77.16	32.43	36.28	3.85	43.88
GMW-9	11/25/14	77.16	32.49	36.21	3.72	43.85
GMW-9	12/03/14	77.16	32.43	36.18	3.75	43.90
GMW-9	12/12/14	77.16	32.74	36.58	3.84	43.58
GMW-9	12/19/14	77.16	32.76	37.05	4.29	43.46
GMW-9	03/06/15	77.16	33.13	39.40	6.27	42.65
GMW-9	04/20/15	77.16	32.99	36.98	3.99	43.29
GMW-9	10/20/15	77.16	34.37	34.61	0.24	42.74
GMW-9	03/14/16	77.16	---	36.10	---	41.06
GMW-9	04/11/16	77.16	---	36.20	---	40.96
GMW-9	06/30/16	77.16	---	31.02	---	46.14
GMW-9	08/22/16	77.16	---	37.27	---	39.89
GMW-9	10/03/16	77.16	---	38.02	---	39.14
GMW-9	10/03/16	77.16	---	38.02	---	39.14
GMW-9	04/20/17	77.16	---	33.32	---	43.84
GMW-9	10/02/17	77.16	---	38.43	---	38.73
GMW-9	11/05/18	77.16	---	37.84	---	39.32
GMW-9	04/23/19	77.16	---	29.72	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-9	10/28/19	77.16	---	37.90	---	39.26
GMW-9	05/04/20	77.16	---	35.37	---	41.79
GMW-9	11/02/20	77.16	---	35.90	---	41.26
GMW-9	05/03/21	77.16	---	36.50	---	40.66
GMW-10	10/21/02	74.67	---	33.71	---	40.96
GMW-10	11/04/02	74.67	26.25	34.00	7.75	46.99
GMW-10	04/07/03	74.67	26.47	26.47	0.23	48.39
GMW-10	10/06/03	72.90	26.51	26.72	0.21	46.35
GMW-10	01/11/04	74.67	---	NM	---	NC
GMW-10	04/19/04	74.67	---	28.42	---	46.25
GMW-10	05/02/05	74.67	21.16	27.53	6.37	52.33
GMW-10	10/31/05	74.67	26.03	26.10	0.07	48.63
GMW-10	05/01/06	74.67	23.65	24.18	0.53	50.92
GMW-10	12/04/06	74.67	24.38	25.55	1.17	50.07
GMW-10	04/30/07	74.67	---	25.90	---	48.77
GMW-10	11/12/07	74.67	25.82	25.02	0.83	50.33
GMW-10	04/14/08	74.67	25.44	25.38	0.06	49.34
GMW-10	10/13/08	74.67	---	24.16	---	50.51
GMW-10	04/20/09	74.67	---	24.46	---	50.21
GMW-10	10/19/09	74.67	---	27.20	---	47.47
GMW-10	05/24/10	74.67	---	26.72	---	47.95
GMW-10	05/28/10	74.67	---	26.70	---	47.97
GMW-10	10/04/10	74.67	---	27.15	---	47.52
GMW-10	04/11/11	74.67	---	25.21	---	49.46
GMW-10	10/10/11	74.67	---	27.75	---	46.92
GMW-10	04/27/12	74.67	---	28.47	---	46.20
GMW-10	07/09/12	74.67	---	NM	---	NC
GMW-10	10/15/12	74.67	29.02	29.15	0.13	45.63
GMW-10	04/08/13	74.67	28.12	33.64	5.52	45.53
GMW-10	09/26/13	73.35	29.25	36.15	6.90	42.82
GMW-10	10/07/13	73.35	29.32	31.85	2.53	43.56
GMW-10	04/14/14	73.35	29.01	29.43	0.42	44.26
GMW-10	08/19/14	73.35	29.53	29.80	0.27	43.77
GMW-10	08/29/14	73.35	29.25	29.68	0.43	44.02
GMW-10	09/26/14	73.35	29.23	29.98	0.75	43.98
GMW-10	10/01/14	73.35	29.19	29.98	0.79	44.01
GMW-10	10/06/14	73.35	29.16	30.01	0.85	44.03
GMW-10	10/14/14	73.35	29.18	30.01	0.83	44.02
GMW-10	10/23/14	73.35	29.15	30.17	1.02	44.01
GMW-10	10/27/14	73.35	29.12	30.19	1.07	44.03
GMW-10	11/03/14	73.35	29.13	30.25	1.12	44.01
GMW-10	11/10/14	73.35	29.28	29.85	0.57	43.96
GMW-10	11/18/14	73.35	29.28	29.95	0.67	43.95
GMW-10	11/25/14	73.35	29.27	30.00	0.73	43.94
GMW-10	12/03/14	73.35	29.27	30.18	0.91	43.91
GMW-10	12/12/14	73.35	29.45	30.81	1.36	43.65
GMW-10	12/19/14	73.35	30.35	30.51	0.16	42.97
GMW-10	04/20/15	73.35	28.42	34.99	6.57	43.71

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-10	07/17/15	73.35	29.41	36.10	6.69	42.70
GMW-10	10/20/15	73.35	31.02	32.96	1.94	41.97
GMW-10	03/16/16	73.35	33.42	34.47	1.05	39.74
GMW-10	04/11/16	73.35	32.10	33.70	1.60	40.95
GMW-10	06/29/16	73.35	---	33.02	---	40.33
GMW-10	08/22/16	73.35	32.93	33.82	0.89	40.26
GMW-10	10/03/16	73.35	33.65	35.10	1.45	39.43
GMW-10	10/03/16	73.35	33.65	35.10	1.45	NC
GMW-10	04/20/17	73.35	---	31.15	---	42.20
GMW-10	10/02/17	73.36	---	33.48	---	39.88
GMW-10	11/05/18	73.35	34.14	34.16	0.02	39.21
GMW-10	04/16/19	73.35	---	30.55	---	42.80
GMW-10	10/28/19	73.35	---	34.12	---	NC
GMW-10	05/04/20	73.35	---	31.44	---	41.91
GMW-10	11/02/20	73.35	---	32.00	---	41.35
GMW-10	02/24/21	73.35	---	32.75	---	40.60
GMW-10	05/03/21	73.36	---	32.54	---	40.82
GMW-10	08/31/21	73.36	---	32.75	---	40.61
GMW-11	11/20/96	72.90	---	26.35	---	46.55
GMW-11	07/01/97	72.90	---	26.17	---	46.73
GMW-11	12/31/97	72.90	---	26.73	---	46.17
GMW-11	05/01/98	72.90	---	23.37	---	49.53
GMW-11	05/04/99	72.90	---	24.46	---	48.44
GMW-11	11/15/99	72.90	---	25.11	---	47.79
GMW-11	05/15/00	72.90	---	24.96	---	47.94
GMW-11	11/13/00	72.90	---	25.64	---	47.26
GMW-11	05/07/01	72.90	---	23.81	---	49.09
GMW-11	08/07/01	72.90	25.21	27.21	2.00	47.29
GMW-11	11/05/01	72.90	---	23.79	---	49.11
GMW-11	04/08/02	72.90	---	25.62	---	47.28
GMW-11	10/21/02	72.90	---	25.38	---	47.52
GMW-11	04/07/03	72.90	---	24.37	---	48.53
GMW-11	10/06/03	72.90	---	24.67	---	48.23
GMW-11	01/11/04	72.90	---	NM	---	NC
GMW-11	04/19/04	72.90	---	25.16	---	47.74
GMW-11	05/02/05	72.90	---	NM	---	NC
GMW-11	05/02/05	72.90	---	NM	---	NC
GMW-11	10/31/05	72.90	---	23.10	---	49.80
GMW-11	05/01/06	72.90	---	22.26	---	50.64
GMW-11	05/09/06	72.90	---	22.09	---	50.81
GMW-11	12/01/06	72.90	---	23.20	---	49.70
GMW-11	04/30/07	72.90	---	23.32	---	49.58
GMW-11	04/30/07	72.90	---	23.26	---	49.64
GMW-11	11/12/07	72.90	---	NM	---	NC
GMW-11	04/14/08	72.90	---	23.75	---	49.15
GMW-11	04/14/08	72.90	---	23.77	---	49.13
GMW-11	10/13/08	72.90	---	24.62	---	48.28
GMW-11	10/14/08	72.90	---	24.82	---	48.08

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-11	04/20/09	72.90	---	24.65	---	48.25
GMW-11	10/19/09	72.90	---	25.69	---	47.21
GMW-11	05/24/10	72.90	---	25.45	---	47.45
GMW-11	05/28/10	72.90	---	25.39	---	47.51
GMW-11	10/04/10	72.90	---	25.48	---	47.42
GMW-11	04/11/11	72.90	---	24.14	---	48.76
GMW-11	10/10/11	72.90	---	24.98	---	47.92
GMW-11	04/16/12	72.90	---	26.03	---	46.87
GMW-11	07/09/12	72.90	---	NM	---	NC
GMW-11	10/15/12	72.90	---	27.05	---	45.85
GMW-11	04/08/13	72.90	---	27.92	---	44.98
GMW-11	04/15/16	72.90	---	31.67	---	41.23
GMW-11	04/17/17	72.90	---	30.29	---	42.61
GMW-11	10/02/17	72.90	---	32.89	---	40.01
GMW-11	11/05/18	72.90	---	NM	---	NC
GMW-11	04/16/19	72.90	---	NM	---	NC
GMW-12	11/20/96	75.21	---	28.25	---	46.96
GMW-12	07/01/97	75.21	---	27.65	---	47.56
GMW-12	12/31/97	75.21	---	28.05	---	47.16
GMW-12	05/01/98	75.21	---	25.06	---	50.15
GMW-12	05/25/99	75.21	---	26.17	---	49.04
GMW-12	05/15/00	75.21	---	26.81	---	48.40
GMW-12	11/13/00	75.21	---	27.40	---	47.81
GMW-12	05/07/01	75.21	---	25.65	---	49.56
GMW-12	08/07/01	75.21	25.74	26.15	0.41	49.39
GMW-12	04/08/02	75.21	---	26.89	---	48.32
GMW-12	10/21/02	75.21	---	27.40	---	47.81
GMW-12	04/07/03	75.21	---	26.60	---	48.61
GMW-12	04/07/03	75.21	---	26.60	---	48.61
GMW-12	10/06/03	75.21	---	26.45	---	48.76
GMW-12	04/19/04	75.21	---	27.54	---	47.67
GMW-12	11/01/04	75.21	---	27.76	---	47.45
GMW-12	05/02/05	75.21	---	21.20	---	54.01
GMW-12	05/01/06	75.21	---	24.03	---	51.18
GMW-12	12/04/06	75.21	---	25.03	---	50.18
GMW-12	04/30/07	75.21	---	25.51	---	49.70
GMW-12	11/12/07	75.21	---	25.46	---	49.75
GMW-12	04/14/08	75.21	---	25.72	---	49.49
GMW-12	07/24/08	75.21	---	26.06	---	49.15
GMW-12	10/14/08	75.21	---	26.83	---	48.38
GMW-12	02/10/09	75.21	---	26.39	---	48.82
GMW-12	04/20/09	75.21	---	26.38	---	48.83
GMW-12	10/19/09	75.21	---	27.62	---	47.59
GMW-12	04/08/10	75.21	---	27.17	---	48.04
GMW-12	04/12/10	75.21	---	26.83	---	48.38
GMW-12	01/08/11	75.21	---	28.05	---	47.16
GMW-12	04/07/11	75.21	---	26.54	---	48.67
GMW-12	07/08/11	75.21	---	26.57	---	48.64

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-12	10/07/11	75.21	---	27.25	---	47.96
GMW-12	04/12/12	75.21	---	28.38	---	46.83
GMW-12	04/16/12	75.21	---	28.25	---	46.96
GMW-12	01/10/13	75.21	---	29.97	---	45.24
GMW-12	04/03/13	75.21	---	29.88	---	45.33
GMW-12	04/08/13	75.21	---	29.94	---	45.27
GMW-12	10/02/13	75.21	---	30.54	---	44.67
GMW-12	04/07/14	75.21	---	31.46	---	43.75
GMW-12	04/16/14	75.21	---	30.96	---	44.25
GMW-12	10/27/14	75.21	---	31.39	---	43.82
GMW-12	04/20/15	75.21	---	31.74	---	43.47
GMW-12	04/11/16	75.21	---	NM	---	NC
GMW-12	10/03/16	75.21	---	34.45	---	40.76
GMW-12	04/20/17	75.21	---	32.40	---	42.81
GMW-12	10/03/17	75.21	---	34.32	---	40.89
GMW-12	04/16/18	75.21	---	34.64	---	40.57
GMW-12	11/05/18	75.21	---	35.17	---	40.04
GMW-12	04/19/19	75.21	---	32.94	---	42.27
GMW-12	10/28/19	75.21	---	34.59	---	40.62
GMW-12	05/05/20	75.21	---	33.44	---	41.77
GMW-12	10/19/20	75.21	---	33.94	---	41.27
GMW-12	11/02/20	75.21	---	33.94	---	41.27
GMW-12	05/03/21	75.21	---	34.48	---	40.73
GMW-13	11/20/96	74.17	---	26.89	---	47.28
GMW-13	07/01/97	74.17	---	25.92	---	48.25
GMW-13	12/31/97	74.17	---	25.58	---	48.59
GMW-13	05/01/98	74.17	---	23.10	---	51.07
GMW-13	05/04/99	74.17	---	24.75	---	49.42
GMW-13	11/15/99	74.17	---	25.65	---	48.52
GMW-13	05/15/00	74.17	---	25.38	---	48.79
GMW-13	11/13/00	74.17	---	26.02	---	48.15
GMW-13	05/07/01	74.17	---	24.28	---	49.89
GMW-13	11/05/01	74.17	---	24.67	---	49.50
GMW-13	02/01/02	74.17	---	24.65	---	49.52
GMW-13	04/08/02	74.17	---	25.40	---	48.77
GMW-13	10/21/02	74.17	---	26.15	---	48.02
GMW-13	04/07/03	74.17	---	25.32	---	48.85
GMW-13	10/06/03	74.17	---	25.13	---	49.04
GMW-13	01/11/04	74.17	---	26.58	---	47.59
GMW-13	04/19/04	74.17	---	26.96	---	47.21
GMW-13	05/02/05	74.17	---	20.54	---	53.63
GMW-13	10/31/05	74.17	---	22.32	---	51.85
GMW-13	05/01/06	74.17	---	22.82	---	51.35
GMW-13	12/04/06	74.17	---	23.75	---	50.42
GMW-13	04/30/07	74.17	---	24.10	---	50.07
GMW-13	11/12/07	74.17	---	24.89	---	49.28
GMW-13	04/14/08	74.17	---	24.60	---	49.57
GMW-13	10/13/08	74.17	---	26.27	---	47.90

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-13	04/20/09	74.17	---	25.41	---	48.76
GMW-13	10/19/09	74.17	---	26.45	---	47.72
GMW-13	05/24/10	74.17	---	25.86	---	48.31
GMW-13	05/28/10	74.17	---	25.63	---	48.54
GMW-13	10/04/10	74.17	---	26.41	---	47.76
GMW-13	04/11/11	74.17	---	25.23	---	48.94
GMW-13	10/10/11	74.17	---	25.92	---	48.25
GMW-13	04/16/12	74.17	---	27.09	---	47.08
GMW-13	07/09/12	74.17	---	NM	---	NC
GMW-13	10/15/12	74.17	---	27.89	---	46.28
GMW-13	04/08/13	74.17	---	28.67	---	45.50
GMW-13	10/07/13	74.17	---	29.65	---	44.52
GMW-13	04/14/14	74.17	---	29.66	---	44.51
GMW-13	10/27/14	74.17	---	30.02	---	44.15
GMW-13	04/20/15	74.17	---	30.39	---	43.78
GMW-13	10/19/15	74.17	---	31.16	---	43.01
GMW-13	04/11/16	74.17	---	32.13	---	42.04
GMW-13	10/03/16	74.17	---	33.20	---	40.97
GMW-13	10/03/16	74.17	---	33.20	---	40.97
GMW-13	04/17/17	74.17	---	30.92	---	43.25
GMW-13	10/02/17	74.17	---	33.86	---	40.31
GMW-13	11/05/18	74.17	---	34.01	---	40.16
GMW-13	04/16/19	74.17	---	31.92	---	42.25
GMW-13	10/28/19	74.17	---	33.42	---	40.75
GMW-13	05/04/20	74.17	---	32.03	---	42.14
GMW-13	11/02/20	74.17	---	31.85	---	42.32
GMW-13	05/03/21	74.17	---	33.18	---	40.99
GMW-14	05/04/99	74.72	---	25.37	---	49.35
GMW-14	08/09/99	74.72	---	25.95	---	48.77
GMW-14	11/15/99	74.72	---	26.27	---	48.45
GMW-14	05/15/00	74.72	---	26.02	---	48.70
GMW-14	11/13/00	74.72	---	26.67	---	48.05
GMW-14	05/07/01	74.72	---	24.92	---	49.80
GMW-14	11/05/01	74.72	---	25.28	---	49.44
GMW-14	04/08/02	74.72	---	26.00	---	48.72
GMW-14	10/21/02	74.72	---	26.79	---	47.93
GMW-14	04/07/03	74.72	---	25.25	---	49.47
GMW-14	10/06/03	74.72	---	25.91	---	48.81
GMW-14	01/11/04	74.72	---	27.21	---	47.51
GMW-14	04/19/04	74.72	---	28.69	---	46.03
GMW-14	05/02/05	74.72	---	21.29	---	53.43
GMW-14	10/31/05	74.72	---	22.96	---	51.76
GMW-14	05/01/06	74.72	---	23.44	---	51.28
GMW-14	12/04/06	74.72	---	24.39	---	50.33
GMW-14	04/30/07	74.72	---	24.61	---	50.11
GMW-14	11/12/07	74.72	---	24.55	---	50.17
GMW-14	04/14/08	74.72	---	28.15	---	46.57
GMW-14	10/13/08	74.72	---	27.23	---	47.49

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-14	04/20/09	74.72	---	25.97	---	48.75
GMW-14	10/19/09	74.72	---	27.31	---	47.41
GMW-14	05/24/10	74.72	---	NM	---	NC
GMW-14	05/28/10	74.72	---	NM	---	NC
GMW-14	10/04/10	74.72	---	26.99	---	47.73
GMW-14	04/11/11	74.72	---	25.88	---	48.84
GMW-14	10/10/11	74.72	---	26.71	---	48.01
GMW-14	04/16/12	74.72	---	27.98	---	46.74
GMW-14	07/09/12	74.72	---	NM	---	NC
GMW-14	10/15/12	74.72	---	28.91	---	45.81
GMW-14	04/08/13	74.72	---	29.20	---	45.52
GMW-14	10/07/13	74.72	---	30.15	---	44.57
GMW-14	04/14/14	74.72	---	30.25	---	44.47
GMW-14	10/27/14	74.72	---	30.63	---	44.09
GMW-14R	04/17/17	78.77	---	35.32	---	43.45
GMW-14R	10/02/17	75.30	---	34.40	---	40.90
GMW-14R	04/16/18	75.30	---	34.74	---	40.56
GMW-14R	11/05/18	75.30	---	35.28	---	40.02
GMW-14R	04/16/19	75.30	---	33.24	---	42.06
GMW-14R	10/28/19	75.30	---	34.98	---	40.32
GMW-14R	05/04/20	75.30	---	32.60	---	42.70
GMW-14R	11/02/20	75.30	---	33.18	---	42.12
GMW-14R	05/03/21	75.30	---	34.54	---	40.76
GMW-15	11/20/96	76.21	---	29.70	---	46.51
GMW-15	07/01/97	76.21	---	29.39	---	46.82
GMW-15	12/31/97	76.21	---	29.40	---	46.81
GMW-15	05/01/98	76.21	---	26.71	---	49.50
GMW-15	05/25/99	76.21	---	27.51	---	48.70
GMW-15	11/15/99	76.21	---	NM	---	NC
GMW-15	05/15/00	76.21	---	28.39	---	47.82
GMW-15	05/15/00	76.21	---	22.59	---	53.62
GMW-15	11/13/00	76.21	---	27.75	---	48.46
GMW-15	11/13/00	76.21	---	28.80	---	47.41
GMW-15	05/07/01	76.21	---	26.60	---	49.61
GMW-15	05/07/01	76.21	---	27.02	---	49.19
GMW-15	04/08/02	76.21	---	28.51	---	47.70
GMW-15	10/21/02	76.21	---	28.49	---	47.72
GMW-15	04/07/03	76.21	---	28.25	---	47.96
GMW-15	10/06/03	76.21	---	28.00	---	48.21
GMW-15	04/19/04	76.21	---	29.23	---	46.98
GMW-15	11/01/04	76.21	---	28.91	---	47.30
GMW-15	05/02/05	76.21	---	23.85	---	52.36
GMW-15	03/06/06	76.21	---	25.42	---	50.79
GMW-15	05/01/06	76.21	---	25.70	---	50.51
GMW-15	08/26/06	76.21	---	26.05	---	50.16
GMW-15	12/01/06	76.21	---	26.45	---	49.76
GMW-15	03/21/07	76.21	---	26.38	---	49.83
GMW-15	04/27/07	76.21	---	26.90	---	49.31

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-15	08/28/07	76.21	---	26.70	---	49.51
GMW-15	11/12/07	76.21	---	27.38	---	48.83
GMW-15	02/05/08	76.21	---	27.78	---	48.43
GMW-15	04/11/08	76.21	---	27.29	---	48.92
GMW-15	07/24/08	76.21	---	27.52	---	48.69
GMW-15	10/13/08	76.21	---	28.36	---	47.85
GMW-15	02/09/09	76.21	---	28.51	---	47.70
GMW-15	04/20/09	76.21	---	28.31	---	47.90
GMW-15	07/16/09	76.21	---	28.32	---	47.89
GMW-15	10/19/09	76.21	---	28.90	---	47.31
GMW-15	04/08/10	76.21	---	28.51	---	47.70
GMW-15	04/12/10	76.21	---	28.24	---	47.97
GMW-15	01/06/11	76.21	---	29.10	---	47.11
GMW-15	04/08/11	76.21	---	27.81	---	48.40
GMW-15	07/07/11	76.21	---	28.05	---	48.16
GMW-15	10/06/11	76.21	---	28.53	---	47.68
GMW-15	04/12/12	76.21	---	29.75	---	46.46
GMW-15	04/19/12	76.21	---	29.45	---	46.76
GMW-15	01/10/13	76.21	---	30.88	---	45.33
GMW-15	04/02/13	76.21	---	30.82	---	45.39
GMW-15	04/08/13	76.21	---	30.78	---	45.43
GMW-15	10/01/13	76.21	---	31.60	---	44.61
GMW-15	04/07/14	76.21	---	32.30	---	43.91
GMW-15	04/15/14	76.21	---	32.02	---	44.19
GMW-15	10/27/14	76.21	---	32.58	---	43.63
GMW-15	04/22/15	76.21	---	32.92	---	43.29
GMW-15	04/11/16	76.21	---	35.19	---	41.02
GMW-15	10/03/16	76.21	---	34.51	---	41.70
GMW-15	04/19/17	76.21	---	33.75	---	42.46
GMW-15	10/02/17	76.21	---	34.45	---	41.76
GMW-15	04/16/18	76.21	---	34.98	---	41.23
GMW-15	11/05/18	76.21	---	35.72	---	40.49
GMW-15	04/22/19	76.21	---	34.33	---	41.88
GMW-15	10/29/19	76.21	---	35.41	---	40.80
GMW-15	05/05/20	76.21	---	35.42	---	40.79
GMW-15	10/19/20	76.21	---	35.34	---	40.87
GMW-15	11/02/20	76.21	---	35.34	---	40.87
GMW-15	05/04/21	76.21	---	35.98	---	40.23
GMW-16	11/20/96	77.00	---	30.60	---	46.40
GMW-16	07/01/97	77.00	---	31.61	---	45.39
GMW-16	12/31/97	77.00	---	30.60	---	46.40
GMW-16	05/01/98	77.00	---	27.73	---	49.27
GMW-16	05/25/99	77.00	---	28.46	---	48.54
GMW-16	05/15/00	77.00	---	29.50	---	47.50
GMW-16	11/13/00	77.00	---	28.67	---	48.33
GMW-16	05/07/01	77.00	---	28.38	---	48.62
GMW-16	04/08/02	77.00	---	29.42	---	47.58
GMW-16	10/21/02	77.00	---	29.15	---	47.85

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-16	04/07/03	77.00	---	29.20	---	47.80
GMW-16	10/06/03	77.00	---	28.92	---	48.08
GMW-16	04/19/04	77.00	---	30.03	---	46.97
GMW-16	11/05/04	77.00	---	29.53	---	47.47
GMW-16	05/02/05	77.00	---	25.05	---	51.95
GMW-16	03/06/06	77.00	---	26.35	---	50.65
GMW-16	05/01/06	77.00	---	26.65	---	50.35
GMW-16	08/26/06	77.00	---	26.98	---	50.02
GMW-16	12/01/06	77.00	---	27.31	---	49.69
GMW-16	03/21/07	77.00	---	27.51	---	49.49
GMW-16	04/27/07	77.00	---	27.72	---	49.28
GMW-16	08/28/07	77.00	---	27.99	---	49.01
GMW-16	11/12/07	77.00	---	28.33	---	48.67
GMW-16	02/05/08	77.00	---	28.68	---	48.32
GMW-16	04/11/08	77.00	---	28.13	---	48.87
GMW-16	07/24/08	77.00	---	28.56	---	48.44
GMW-16	10/13/08	77.00	---	29.21	---	47.79
GMW-16	02/09/09	77.00	---	29.18	---	47.82
GMW-16	04/20/09	77.00	---	30.50	---	46.50
GMW-16	07/16/09	77.00	---	29.52	---	47.48
GMW-16	10/19/09	77.00	---	30.24	---	46.76
GMW-16	04/07/10	77.00	---	29.68	---	47.32
GMW-16	04/12/10	77.00	---	29.38	---	47.62
GMW-16	01/08/11	77.00	---	26.47	---	50.53
GMW-16	07/07/11	77.00	---	29.04	---	47.96
GMW-16	10/06/11	77.00	---	29.48	---	47.52
GMW-16	04/12/12	77.00	---	30.53	---	46.47
GMW-16	04/18/12	77.00	---	30.29	---	46.71
GMW-16	01/11/13	77.00	---	31.68	---	45.32
GMW-16	04/02/13	77.00	---	31.66	---	45.34
GMW-16	04/08/13	77.00	---	31.65	---	45.35
GMW-16	10/02/13	77.00	---	32.35	---	44.65
GMW-16	04/09/14	77.00	---	33.03	---	43.97
GMW-16	04/14/14	77.00	---	32.95	---	44.05
GMW-16	10/27/14	77.00	---	33.43	---	43.57
GMW-16	04/22/15	77.00	---	33.22	---	43.78
GMW-16	04/11/16	77.00	---	NM	---	NC
GMW-16	10/03/16	77.00	---	NM	---	NC
GMW-16	04/17/17	77.00	---	34.15	---	42.85
GMW-16	10/02/17	77.00	---	36.05	---	40.95
GMW-16	04/16/18	77.00	---	36.58	---	40.42
GMW-16	11/05/18	77.00	---	37.15	---	39.85
GMW-16	04/18/19	77.00	---	35.84	---	41.16
GMW-16	10/29/19	77.00	---	36.97	---	40.03
GMW-16	05/05/20	77.00	---	36.65	---	40.35
GMW-16	11/02/20	77.00	---	36.97	---	40.03
GMW-16	05/03/21	77.00	---	37.37	---	39.63
GMW-17	11/20/96	74.66	27.27	31.79	4.52	46.49

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-17	07/01/97	74.66	27.38	32.71	5.33	46.21
GMW-17	12/31/97	74.66	26.92	32.74	5.82	46.58
GMW-17	05/01/98	74.66	25.04	25.19	0.15	49.59
GMW-17	05/25/99	74.66	---	27.06	---	47.60
GMW-17	05/15/00	74.66	25.13	25.18	0.05	49.52
GMW-17	11/13/00	74.66	---	26.52	---	48.14
GMW-17	05/07/01	74.66	---	25.32	---	49.34
GMW-17	04/08/02	74.66	---	26.70	---	47.96
GMW-17	09/19/02	74.66	27.70	27.89	0.19	46.92
GMW-17	10/21/02	74.66	---	27.67	---	46.99
GMW-17	04/07/03	74.66	---	26.60	---	48.06
GMW-17	10/06/03	74.66	---	26.60	---	48.06
GMW-17	04/19/04	74.66	---	25.58	---	49.08
GMW-17	11/01/04	74.66	---	27.51	---	47.15
GMW-17	02/28/05	74.66	---	22.85	---	51.81
GMW-17	05/02/05	74.66	---	21.23	---	53.43
GMW-17	03/06/06	74.66	---	23.76	---	50.90
GMW-17	05/01/06	74.66	---	23.75	---	50.91
GMW-17	08/26/06	74.66	---	24.36	---	50.30
GMW-17	12/01/06	74.66	---	24.86	---	49.80
GMW-17	03/21/07	74.66	---	25.04	---	49.62
GMW-17	04/30/07	74.66	---	25.23	---	49.43
GMW-17	08/28/07	74.66	---	25.42	---	49.24
GMW-17	11/12/07	74.66	---	25.63	---	49.03
GMW-17	02/05/08	74.66	---	26.25	---	48.41
GMW-17	04/11/08	74.66	---	25.10	---	49.56
GMW-17	07/24/08	74.66	---	25.91	---	48.75
GMW-17	10/14/08	74.66	---	26.35	---	48.31
GMW-17	02/10/09	74.66	---	27.05	---	47.61
GMW-17	04/20/09	74.66	---	26.00	---	48.66
GMW-17	07/16/09	74.66	---	27.15	---	47.51
GMW-17	10/19/09	74.66	---	27.51	---	47.15
GMW-17	04/08/10	74.66	---	25.92	---	48.74
GMW-17	04/12/10	74.66	---	25.83	---	48.83
GMW-17	01/08/11	74.66	---	NM	---	NC
GMW-17	04/08/11	74.66	---	24.04	---	50.62
GMW-17	07/08/11	74.66	---	25.50	---	49.16
GMW-17	10/06/11	74.66	---	26.20	---	48.46
GMW-17	04/12/12	74.66	---	27.94	---	46.72
GMW-17	04/20/12	74.66	---	27.77	---	46.89
GMW-17	01/11/13	74.66	---	29.50	---	45.16
GMW-17	04/03/13	74.66	---	29.38	---	45.28
GMW-17	04/08/13	74.66	---	29.34	---	45.32
GMW-17	10/02/13	74.66	---	30.11	---	44.55
GMW-17	04/09/14	74.66	---	30.83	---	43.83
GMW-17	04/17/14	74.66	---	30.72	---	43.94
GMW-17	10/27/14	74.66	---	31.03	---	43.63
GMW-17	11/02/20	74.66	---	36.95	---	40.84

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-17R	10/03/17	77.79	---	36.77	---	41.02
GMW-17R	04/16/18	77.79	---	37.08	---	40.71
GMW-17R	11/05/18	77.79	---	37.53	---	40.26
GMW-17R	04/19/19	---	---	NM	---	NC
GMW-17R	10/28/19	77.79	---	37.97	---	39.82
GMW-17R	05/04/20	77.79	---	36.26	---	41.53
GMW-17R	05/03/21	77.79	---	37.38	---	40.41
GMW-18	11/20/96	75.36	28.40	32.50	4.10	46.14
GMW-18	07/01/97	75.36	27.70	31.50	3.80	46.90
GMW-18	12/31/97	75.36	28.01	32.08	4.07	46.54
GMW-18	05/01/98	75.36	18.61	24.64	6.03	55.54
GMW-18	05/25/99	75.36	25.77	29.48	3.71	48.85
GMW-18	05/15/00	75.36	26.28	30.35	4.07	48.27
GMW-18	11/18/00	75.36	---	28.77	---	46.59
GMW-18	05/07/01	75.36	24.80	29.70	4.90	49.58
GMW-18	04/08/02	75.36	---	27.74	---	47.62
GMW-18	09/19/02	75.36	27.97	28.02	0.05	47.38
GMW-18	10/21/02	75.36	---	28.74	---	46.62
GMW-18	04/07/03	75.36	---	27.06	---	48.30
GMW-18	10/06/03	75.36	26.66	27.40	0.74	48.55
GMW-18	04/19/04	75.36	---	27.33	---	48.03
GMW-18	11/01/04	75.36	27.27	27.44	0.17	48.06
GMW-18	02/28/05	75.36	23.85	23.87	0.02	51.51
GMW-18	05/02/05	75.36	---	22.40	---	52.96
GMW-18	03/06/06	75.36	---	24.21	---	51.15
GMW-18	05/01/06	75.36	---	24.50	---	50.86
GMW-18	08/26/06	75.36	---	24.91	---	50.45
GMW-18	12/01/06	75.36	---	25.20	---	50.16
GMW-18	03/21/07	75.36	---	25.18	---	50.18
GMW-18	04/30/07	75.36	---	25.72	---	49.64
GMW-18	08/28/07	75.36	---	25.62	---	49.74
GMW-18	11/12/07	75.36	---	26.29	---	49.07
GMW-18	02/05/08	75.36	---	26.73	---	48.63
GMW-18	04/14/08	75.36	---	25.91	---	49.45
GMW-18	10/14/08	75.36	---	27.00	---	48.36
GMW-18	02/10/09	75.36	---	26.50	---	48.86
GMW-18	04/20/09	75.36	---	26.80	---	48.56
GMW-18	07/17/09	75.36	---	27.41	---	47.95
GMW-18	10/19/09	75.36	---	27.91	---	47.45
GMW-18	04/08/10	75.36	---	27.30	---	48.06
GMW-18	04/12/10	75.36	---	27.44	---	47.92
GMW-18	10/01/10	75.36	---	27.80	---	47.56
GMW-18	01/08/11	75.36	---	27.86	---	47.50
GMW-18	04/12/12	75.36	---	28.54	---	46.82
GMW-18	04/20/12	75.36	---	28.45	---	46.91
GMW-18	04/05/13	75.36	29.66	30.33	0.67	45.57
GMW-18	04/08/13	75.36	29.64	30.21	0.57	45.61
GMW-18	10/02/13	75.36	30.24	32.17	1.93	44.73

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-18	04/07/14	75.36	30.95	33.15	2.20	43.97
GMW-18	04/16/14	75.36	30.92	33.08	2.16	44.01
GMW-18	10/27/14	75.36	---	31.13	---	44.23
GMW-18	04/20/15	75.36	---	31.47	---	43.89
GMW-18	04/11/16	75.36	---	NM	---	NC
GMW-18	10/03/16	75.36	33.27	35.34	2.07	NC
GMW-18	04/20/17	75.36	---	32.81	---	42.55
GMW-18	09/26/17	75.36	32.99	34.15	1.16	NC
GMW-18	04/16/18	75.36	34.13	34.92	0.79	NC
GMW-18	11/05/18	75.36	36.12	38.40	2.28	NC
GMW-18	04/15/19	75.36	---	34.55	---	40.81
GMW-18	05/10/19	75.36	---	34.89	---	40.47
GMW-18	10/30/19	75.36	---	36.30	---	NC
GMW-18	05/05/20	75.36	---	35.60	---	39.76
GMW-18	11/02/20	75.36	---	35.88	---	39.48
GMW-18	05/04/21	75.36	---	36.20	---	39.16
GMW-19	11/20/96	76.83	---	30.39	---	46.44
GMW-19	07/01/97	76.83	---	29.82	---	47.01
GMW-19	12/31/97	76.83	---	30.08	---	46.75
GMW-19	05/01/98	76.83	---	26.97	---	49.86
GMW-19	05/25/99	76.83	---	28.00	---	48.83
GMW-19	05/15/00	76.83	---	28.85	---	47.98
GMW-19	11/13/00	76.83	---	28.21	---	48.62
GMW-19	05/07/01	76.83	---	27.44	---	49.39
GMW-19	04/08/02	76.83	---	29.08	---	47.75
GMW-19	09/19/02	76.83	---	28.63	---	48.20
GMW-19	10/21/02	76.83	---	29.22	---	47.61
GMW-19	04/07/03	76.83	---	28.58	---	48.25
GMW-19	10/06/03	76.83	---	28.45	---	48.38
GMW-19	04/19/04	76.83	---	29.44	---	47.39
GMW-19	11/01/04	76.83	---	27.92	---	48.91
GMW-19	02/28/05	76.83	---	25.69	---	51.14
GMW-19	05/02/05	76.83	---	24.47	---	52.36
GMW-19	03/06/06	76.83	---	26.32	---	50.51
GMW-19	05/01/06	76.83	---	26.24	---	50.59
GMW-19	08/26/06	76.83	---	26.64	---	50.19
GMW-19	12/01/06	76.83	---	26.92	---	49.91
GMW-19	03/21/07	76.83	---	27.41	---	49.42
GMW-19	04/30/07	76.83	---	27.48	---	49.35
GMW-19	08/28/07	76.83	---	28.00	---	48.83
GMW-19	11/12/07	76.83	---	28.04	---	48.79
GMW-19	02/05/08	76.83	---	28.67	---	48.16
GMW-19	04/14/08	76.83	---	27.64	---	49.19
GMW-19	07/24/08	76.83	---	27.97	---	48.86
GMW-19	10/14/08	76.83	---	28.76	---	48.07
GMW-19	02/10/09	76.83	---	27.35	---	49.48
GMW-19	04/20/09	76.83	---	28.71	---	48.12
GMW-19	07/17/09	76.83	---	28.79	---	48.04

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-19	10/19/09	76.83	---	29.54	---	47.29
GMW-19	04/08/10	76.83	---	29.05	---	47.78
GMW-19	04/12/10	76.83	---	29.16	---	47.67
GMW-19	01/08/11	76.83	---	NM	---	NC
GMW-19	07/08/11	76.83	---	NM	---	NC
GMW-19	10/06/11	76.83	---	29.06	---	47.77
GMW-19	04/12/12	76.83	---	30.26	---	46.57
GMW-19	04/18/12	76.83	---	30.09	---	46.74
GMW-19	01/10/13	76.83	---	31.56	---	45.27
GMW-19	04/03/13	76.83	---	31.49	---	45.34
GMW-19	04/08/13	76.83	---	31.60	---	45.23
GMW-19	10/02/13	76.83	---	32.29	---	44.54
GMW-19	04/07/14	76.83	---	33.00	---	43.83
GMW-19	04/14/14	76.83	---	32.79	---	44.04
GMW-19	10/27/14	76.83	---	33.20	---	43.63
GMW-19	04/20/15	76.83	---	33.53	---	43.30
GMW-19	04/11/16	76.83	---	NM	---	NC
GMW-19	10/03/16	76.83	---	NM	---	NC
GMW-19	04/21/17	76.83	---	34.18	---	42.65
GMW-19	10/03/17	76.83	---	35.17	---	41.66
GMW-19	04/16/18	76.83	---	35.77	---	41.06
GMW-19	11/05/18	76.83	---	36.37	---	40.46
GMW-19	04/22/19	76.83	---	34.88	---	41.95
GMW-19	10/30/19	76.83	---	35.99	---	40.84
GMW-19	05/04/20	76.83	---	35.51	---	41.32
GMW-19	10/19/20	76.83	---	35.84	---	40.99
GMW-19	11/02/20	76.83	---	35.84	---	40.99
GMW-19	05/03/21	76.83	---	36.45	---	40.38
GMW-20	11/20/96	75.10	---	28.53	---	46.57
GMW-20	07/01/97	75.10	---	28.26	---	46.84
GMW-20	12/31/97	75.10	---	28.23	---	46.87
GMW-20	05/01/98	75.10	---	25.50	---	49.60
GMW-20	05/25/99	75.10	---	26.25	---	48.85
GMW-20	05/15/00	75.10	---	26.95	---	48.15
GMW-20	11/13/00	75.10	---	27.56	---	47.54
GMW-20	05/07/01	75.10	---	25.75	---	49.35
GMW-20	08/07/01	75.10	25.55	26.67	1.12	49.33
GMW-20	04/08/02	75.10	---	26.77	---	48.33
GMW-20	10/21/02	75.10	---	27.16	---	47.94
GMW-20	04/07/03	75.10	---	26.62	---	48.48
GMW-20	10/06/03	75.10	---	26.62	---	48.48
GMW-20	04/19/04	75.10	---	27.88	---	47.22
GMW-20	11/01/04	75.10	---	27.79	---	47.31
GMW-20	05/02/05	75.10	---	22.20	---	52.90
GMW-20	05/01/06	75.10	---	24.28	---	50.82
GMW-20	12/01/06	75.10	---	25.17	---	49.93
GMW-20	04/30/07	75.10	---	25.63	---	49.47
GMW-20	11/12/07	75.10	---	26.08	---	49.02

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-20	04/14/08	75.10	---	25.74	---	49.36
GMW-20	10/14/08	75.10	---	26.89	---	48.21
GMW-20	10/01/10	75.10	---	27.64	---	47.46
GMW-20	01/08/11	75.10	---	27.81	---	47.29
GMW-20	04/12/12	75.10	---	28.41	---	46.69
GMW-20	10/02/13	75.10	---	30.54	---	44.56
GMW-20	04/09/14	75.10	---	31.18	---	43.92
GMW-20	10/27/14	75.10	---	31.43	---	43.67
GMW-20	04/20/15	75.10	---	31.79	---	43.31
GMW-20	04/11/16	75.10	---	33.52	---	41.58
GMW-20	10/03/16	75.10	---	34.19	---	40.91
GMW-20	04/18/17	75.10	---	32.42	---	42.68
GMW-20	10/03/17	75.10	---	34.20	---	40.90
GMW-20	04/16/18	75.10	---	34.60	---	40.50
GMW-20	11/05/18	75.10	---	35.08	---	40.02
GMW-20	04/16/19	75.10	---	22.90	---	NC
GMW-20	10/28/19	75.10	---	34.86	---	40.24
GMW-20	05/04/20	75.10	---	33.45	---	41.65
GMW-20	11/02/20	75.10	---	34.20	---	40.90
GMW-20	05/03/21	75.10	---	34.65	---	40.45
GMW-21	11/20/96	76.23	28.95	33.05	4.10	46.46
GMW-21	07/01/97	76.23	29.13	30.13	1.00	46.90
GMW-21	04/08/02	76.23	---	28.84	---	47.39
GMW-21	10/06/03	76.23	27.90	28.17	0.27	48.28
GMW-21	04/19/04	76.23	29.14	29.57	0.43	47.00
GMW-21	11/01/04	76.23	28.68	28.91	0.23	47.50
GMW-21	05/02/05	76.23	23.79	24.56	0.77	52.29
GMW-21	05/01/06	76.23	25.21	26.99	1.78	50.66
GMW-21	08/26/06	76.23	25.54	25.79	0.25	50.64
GMW-21	12/01/06	76.23	25.99	27.83	1.84	49.87
GMW-21	04/27/07	76.23	---	26.41	---	49.82
GMW-21	11/09/07	76.23	27.34	27.37	0.03	48.88
GMW-21	02/05/08	76.23	---	27.79	---	48.44
GMW-21	10/13/08	76.23	---	28.18	---	48.05
GMW-21	02/09/09	76.23	---	27.48	---	48.75
GMW-21	07/17/09	76.23	---	28.40	---	47.83
GMW-21	04/07/10	76.23	---	28.81	---	47.42
GMW-21	10/01/10	76.23	---	NM	---	NC
GMW-21	01/06/11	76.23	---	26.85	---	49.38
GMW-21	04/06/11	76.23	---	27.78	---	48.45
GMW-21	07/07/11	76.23	---	27.95	---	48.28
GMW-21	10/06/11	76.23	---	28.41	---	47.82
GMW-21	04/12/12	76.23	---	29.48	---	46.75
GMW-21	01/10/13	76.23	30.43	31.90	1.47	45.51
GMW-21	04/02/13	76.23	30.66	30.73	0.07	45.56
GMW-21	04/08/13	76.23	30.56	31.05	0.49	45.57
GMW-21	10/01/13	76.23	31.32	32.00	0.68	44.77
GMW-21	04/07/14	76.23	32.21	32.26	0.05	44.01

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-21	04/14/14	76.23	32.22	32.29	0.07	44.00
GMW-21	10/27/14	76.23	---	32.52	---	43.71
GMW-21	04/20/15	76.23	---	32.82	---	43.41
GMW-21	04/11/16	76.23	---	33.96	---	42.27
GMW-21	10/03/16	76.23	---	34.38	---	41.85
GMW-21	04/19/17	76.23	---	33.64	---	42.59
GMW-21	10/02/17	76.23	32.52	33.02	0.50	NC
GMW-21	04/16/18	76.23	---	35.12	---	41.11
GMW-21	11/05/18	76.23	---	35.52	---	40.71
GMW-21	04/19/19	76.23	---	33.95	---	42.28
GMW-21	10/29/19	76.23	---	35.42	---	40.81
GMW-21	05/05/20	76.23	---	35.39	---	40.84
GMW-21	11/02/20	76.23	---	35.12	---	41.11
GMW-21	05/04/21	76.23	---	35.36	---	40.87
GMW-22	11/20/96	74.17	29.78	33.02	3.24	43.79
GMW-22	07/01/97	74.17	30.91	34.32	3.41	42.63
GMW-22	12/31/97	74.17	29.98	33.75	3.77	43.49
GMW-22	05/01/98	74.17	19.13	26.55	7.42	53.67
GMW-22	08/09/99	74.17	---	NM	---	NC
GMW-22	11/15/99	74.17	---	NM	---	NC
GMW-22	05/15/00	74.17	26.45	30.67	4.22	46.94
GMW-22	11/13/00	74.17	28.67	31.82	3.15	44.92
GMW-22	05/07/01	74.17	27.88	32.30	4.42	45.47
GMW-22	08/07/01	74.17	25.78	29.76	3.98	47.65
GMW-22	11/05/01	74.17	25.95	31.05	5.10	47.28
GMW-22	04/08/02	74.17	26.55	26.59	0.04	47.61
GMW-22	04/07/03	74.17	---	NM	---	NC
GMW-22	05/02/05	74.17	23.09	26.46	3.37	50.46
GMW-22	10/31/05	74.17	---	27.80	---	46.37
GMW-22	05/01/06	74.17	24.70	24.94	0.24	49.43
GMW-22	12/04/06	74.17	---	25.43	---	48.74
GMW-22	04/30/07	74.17	---	25.79	---	48.38
GMW-22	11/12/07	74.17	25.91	26.45	0.54	48.16
GMW-22	08/12/08	74.17	---	26.70	---	47.47
GMW-22	10/31/08	74.17	27.04	28.25	1.21	46.91
GMW-22	11/04/08	74.17	---	26.97	---	47.20
GMW-22	12/17/08	74.17	---	26.65	---	47.52
GMW-22	01/15/09	74.17	---	27.18	---	46.99
GMW-22	03/27/09	74.17	---	27.86	---	46.31
GMW-22	04/21/09	74.17	27.20	27.30	0.10	46.95
GMW-22	07/21/09	74.17	---	27.70	---	46.47
GMW-22	10/19/09	74.17	---	NM	---	NC
GMW-22	11/06/09	74.17	---	28.12	---	46.05
GMW-22	09/03/10	74.17	25.10	28.36	3.26	48.47
GMW-22	10/04/10	74.17	---	27.65	---	46.52
GMW-22	04/11/11	74.17	---	26.45	---	47.72
GMW-22	10/10/11	74.17	---	29.68	---	44.49
GMW-22	04/16/12	74.17	---	31.15	---	43.02

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-22	07/09/12	---	---	NM	---	NC
GMW-22	10/15/12	77.24	---	31.05	---	46.19
GMW-22	04/08/13	77.24	---	31.92	---	45.32
GMW-22	10/07/13	77.24	31.65	34.28	2.63	45.10
GMW-22	04/14/14	77.24	32.30	35.59	3.29	44.33
GMW-22	05/06/14	77.24	32.35	35.87	3.52	44.24
GMW-22	05/12/14	77.24	32.28	35.76	3.48	44.32
GMW-22	05/20/14	77.24	32.70	37.90	5.20	43.58
GMW-22	05/27/14	77.24	32.71	36.34	3.63	43.86
GMW-22	06/04/14	77.24	---	33.36	---	43.88
GMW-22	06/10/14	77.24	32.82	36.74	3.92	43.69
GMW-22	07/03/14	77.24	32.91	37.66	4.75	43.45
GMW-22	07/08/14	77.24	32.79	36.70	3.91	43.73
GMW-22	07/18/14	77.24	32.77	36.68	3.91	43.75
GMW-22	07/24/14	77.24	32.62	36.79	4.17	43.85
GMW-22	08/01/14	77.24	32.44	35.82	3.38	44.17
GMW-22	08/08/14	77.24	32.44	35.72	3.28	44.19
GMW-22	08/13/14	77.24	32.45	35.68	3.23	44.19
GMW-22	08/19/14	77.24	32.45	35.64	3.19	44.20
GMW-22	08/29/14	77.24	32.44	35.65	3.21	44.21
GMW-22	09/05/14	77.24	32.46	35.73	3.27	44.18
GMW-22	09/11/14	77.24	32.47	35.78	3.31	44.16
GMW-22	09/18/14	77.24	32.49	35.85	3.36	44.13
GMW-22	09/26/14	77.24	32.46	35.85	3.39	44.15
GMW-22	10/01/14	77.24	32.45	35.76	3.31	44.18
GMW-22	10/06/14	77.24	32.44	35.72	3.28	44.19
GMW-22	10/14/14	77.24	32.42	35.75	3.33	44.20
GMW-22	10/23/14	77.24	32.43	35.84	3.41	44.18
GMW-22	10/27/14	77.24	32.41	35.74	3.33	44.21
GMW-22	11/03/14	77.24	32.45	35.89	3.44	44.15
GMW-22	11/10/14	77.24	32.45	35.94	3.49	44.14
GMW-22	11/18/14	77.24	32.48	35.97	3.49	44.11
GMW-22	11/25/14	77.24	32.51	35.97	3.46	44.09
GMW-22	12/03/14	77.24	32.45	35.84	3.39	44.16
GMW-22	12/12/14	77.24	32.65	36.44	3.79	43.89
GMW-22	12/19/14	77.24	34.71	36.80	2.09	42.14
GMW-22	04/20/15	77.24	32.84	36.64	3.80	43.70
GMW-22	07/24/15	77.24	33.70	39.80	6.10	42.41
GMW-22	10/20/15	77.24	34.92	36.10	1.18	42.10
GMW-22	03/16/16	77.24	37.61	39.73	2.12	39.24
GMW-22	04/11/16	77.24	35.50	38.59	3.09	41.17
GMW-22	06/30/16	77.24	---	36.55	---	40.69
GMW-22	08/22/16	77.24	---	NM	---	NC
GMW-22	10/03/16	77.24	---	37.70	---	39.54
GMW-22	10/03/16	77.24	---	37.70	---	39.54
GMW-22	04/17/17	77.24	---	34.47	---	42.77
GMW-22	10/02/17	77.24	---	38.45	---	38.79
GMW-22	11/05/18	77.24	---	38.02	---	39.22

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-22	04/16/19	77.24	---	36.19	---	41.05
GMW-22	10/28/19	77.24	---	37.88	---	39.36
GMW-22	05/04/20	77.24	---	35.64	---	41.60
GMW-22	11/02/20	77.24	---	36.08	---	41.16
GMW-22	05/03/21	77.24	---	36.66	---	40.58
GMW-23	11/20/96	74.85	26.66	28.42	1.76	47.84
GMW-23	07/01/97	74.85	28.99	30.34	1.35	45.59
GMW-23	12/31/97	74.85	28.04	28.92	0.88	46.63
GMW-23	05/01/98	74.85	25.43	25.44	0.01	49.42
GMW-23	05/04/99	74.85	26.65	27.09	0.44	48.11
GMW-23	08/09/99	74.85	26.39	28.52	2.13	48.03
GMW-23	11/15/99	74.85	26.79	29.60	2.81	47.50
GMW-23	05/15/00	74.85	26.90	29.87	2.97	47.36
GMW-23	11/13/00	74.85	27.00	31.18	4.18	47.01
GMW-23	05/07/01	74.85	28.62	28.63	0.01	46.23
GMW-23	08/07/01	74.85	25.54	26.07	0.53	49.20
GMW-23	11/05/01	74.85	25.85	26.32	0.47	48.91
GMW-23	04/08/02	74.85	26.40	26.81	0.41	48.37
GMW-23	10/21/02	74.85	28.07	28.94	0.87	46.61
GMW-23	04/07/03	74.85	26.67	26.70	0.03	48.17
GMW-23	10/06/03	74.85	26.35	27.32	0.03	47.55
GMW-23	01/11/04	74.85	---	NM	---	NC
GMW-23	04/19/04	74.85	26.94	26.95	0.01	47.91
GMW-23	05/02/05	74.85	---	23.34	---	51.51
GMW-23	10/31/05	74.85	26.08	26.13	0.05	48.76
GMW-23	05/01/06	74.85	---	23.99	---	50.86
GMW-23	12/04/06	74.85	---	24.82	---	50.03
GMW-23	04/30/07	74.85	---	24.98	---	49.87
GMW-23	11/12/07	74.85	---	25.41	---	49.44
GMW-23	04/14/08	74.85	---	25.62	---	49.23
GMW-23	10/13/08	74.85	---	26.21	---	48.64
GMW-23	04/20/09	74.85	---	26.29	---	48.56
GMW-23	10/19/09	74.85	---	27.51	---	47.34
GMW-23	05/24/10	74.85	---	27.32	---	47.53
GMW-23	05/28/10	74.85	---	27.27	---	47.58
GMW-23	10/04/10	74.85	---	27.31	---	47.54
GMW-23	04/11/11	74.85	---	26.40	---	48.45
GMW-23	10/10/11	74.85	---	26.57	---	48.28
GMW-23	04/16/12	74.85	---	28.73	---	46.12
GMW-23	07/09/12	74.85	---	NM	---	NC
GMW-23	10/15/12	74.85	---	28.45	---	46.40
GMW-23	04/08/13	74.85	---	29.31	---	45.54
GMW-23	10/07/13	74.85	---	30.27	---	44.58
GMW-23	04/14/14	74.85	---	30.23	---	44.62
GMW-23	10/27/14	74.85	---	31.08	---	43.77
GMW-23	04/20/15	74.85	---	31.94	---	42.91
GMW-23	10/19/15	74.85	31.84	32.80	0.96	42.82
GMW-23	03/14/16	74.85	---	36.35	---	38.50

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-23	04/11/16	74.85	34.10	34.12	0.02	40.75
GMW-23	06/29/16	74.85	---	35.25	---	39.60
GMW-23	08/22/16	74.85	---	35.58	---	39.27
GMW-23	10/03/16	74.85	---	36.15	---	38.70
GMW-23	10/03/16	74.85	---	36.15	---	38.70
GMW-23	04/17/17	74.85	31.91	33.40	1.49	42.64
GMW-23	10/02/17	74.85	---	35.42	---	39.43
GMW-23	11/05/18	74.85	36.18	36.20	0.02	38.67
GMW-23	04/16/19	74.85	---	34.34	---	40.51
GMW-23	11/01/19	74.85	---	35.48	---	39.37
GMW-23	05/04/20	74.85	33.10	34.56	1.46	41.46
GMW-23	11/02/20	74.85	33.05	36.90	3.85	41.03
GMW-23	05/03/21	74.85	33.30	38.65	5.35	40.48
GMW-23	08/31/21	74.85	33.27	38.89	5.62	40.46
GMW-24	08/07/01	74.04	27.80	28.68	0.88	46.06
GMW-24	05/02/05	74.04	25.49	25.70	0.21	48.51
GMW-24	10/31/05	74.04	26.29	26.34	0.05	47.74
GMW-24	05/01/06	74.04	26.07	27.29	1.22	47.73
GMW-24	12/04/06	74.04	26.73	27.26	0.53	47.20
GMW-24	04/30/07	74.04	---	27.07	---	46.97
GMW-24	11/12/07	74.04	27.46	27.50	0.04	46.57
GMW-24	08/12/08	74.04	---	NM	---	NC
GMW-24	08/19/08	74.04	28.24	29.34	1.10	45.58
GMW-24	10/17/08	74.04	29.90	30.88	0.98	43.94
GMW-24	10/21/08	74.04	28.30	29.64	1.34	45.47
GMW-24	12/18/08	74.04	---	29.04	---	45.00
GMW-24	01/15/09	74.04	29.80	30.56	0.76	44.09
GMW-24	03/20/09	74.04	---	31.28	---	42.76
GMW-24	03/27/09	74.04	---	30.45	---	43.59
GMW-24	04/21/09	74.04	---	29.91	---	44.13
GMW-24	07/21/09	74.04	---	32.78	---	41.26
GMW-24	10/19/09	74.04	---	NM	---	NC
GMW-24	02/04/10	74.04	29.40	29.67	0.27	44.59
GMW-24	06/22/10	74.04	---	29.47	---	44.57
GMW-24	09/03/10	74.04	---	29.90	---	44.14
GMW-24	10/04/10	74.04	---	29.50	---	44.54
GMW-24	04/11/11	74.04	---	28.21	---	45.83
GMW-24	10/10/11	74.04	---	28.78	---	45.26
GMW-24	04/16/12	74.04	30.31	30.49	0.18	43.69
GMW-24	07/09/12	---	---	NM	---	NC
GMW-24	10/15/12	77.48	---	31.34	---	46.14
GMW-24	04/08/13	77.48	---	NM	---	NC
GMW-24	06/14/13	77.48	32.40	33.35	0.95	44.89
GMW-24	10/07/13	77.48	31.61	35.42	3.81	45.11
GMW-24	04/14/14	77.48	32.01	37.74	5.73	44.32
GMW-24	05/05/14	77.48	32.09	37.81	5.72	44.25
GMW-24	05/12/14	77.48	32.14	37.52	5.38	44.26
GMW-24	05/20/14	77.48	32.21	37.39	5.18	44.23

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-24	05/27/14	77.48	32.90	37.95	5.05	43.57
GMW-24	06/04/14	77.48	32.70	37.00	4.30	43.92
GMW-24	06/10/14	77.48	32.98	37.85	4.87	43.53
GMW-24	07/03/14	77.48	33.04	39.60	6.56	43.13
GMW-24	07/08/14	77.48	32.89	38.67	5.78	43.43
GMW-24	07/18/14	77.48	32.86	38.64	5.78	43.46
GMW-24	07/24/14	77.48	32.82	38.27	5.45	43.57
GMW-24	08/01/14	77.48	32.55	37.00	4.45	44.04
GMW-24	08/08/14	77.48	32.51	36.97	4.46	44.08
GMW-24	08/13/14	77.48	32.54	36.82	4.28	44.08
GMW-24	08/19/14	77.48	32.55	36.92	4.37	44.06
GMW-24	08/29/14	77.48	32.51	36.92	4.41	44.09
GMW-24	09/05/14	77.48	32.55	36.97	4.42	44.05
GMW-24	09/11/14	77.48	32.57	37.99	5.42	43.83
GMW-24	09/18/14	77.48	32.60	36.89	4.29	44.02
GMW-24	09/26/14	77.48	32.58	36.86	4.28	44.04
GMW-24	10/01/14	77.48	32.61	36.64	4.03	44.06
GMW-24	10/06/14	77.48	32.92	36.93	4.01	43.76
GMW-24	10/14/14	77.48	32.88	36.92	4.04	43.79
GMW-24	10/23/14	77.48	32.90	37.00	4.10	43.76
GMW-24	10/27/14	77.48	32.91	36.82	3.91	43.79
GMW-24	11/03/14	77.48	32.99	37.01	4.02	43.69
GMW-24	11/10/14	77.48	33.95	37.33	3.38	42.85
GMW-24	11/18/14	77.48	33.01	36.96	3.95	43.68
GMW-24	11/25/14	77.48	33.55	36.91	3.36	43.26
GMW-24	12/03/14	77.48	32.99	36.87	3.88	43.71
GMW-24	12/12/14	77.48	33.25	37.36	4.11	43.41
GMW-24	12/19/14	77.48	33.31	37.75	4.44	43.28
GMW-24	03/10/15	77.48	---	36.25	---	41.23
GMW-24	04/20/15	77.48	33.82	36.29	2.47	43.17
GMW-24	07/24/15	77.48	33.70	39.80	6.10	42.56
GMW-24	10/20/15	77.48	---	35.44	---	42.04
GMW-24	03/16/16	77.48	---	38.83	---	38.65
GMW-24	04/11/16	77.48	---	37.10	---	40.38
GMW-24	06/29/16	77.48	---	38.20	---	39.28
GMW-24	08/22/16	77.48	---	38.40	---	39.08
GMW-24	10/03/16	77.48	---	39.31	---	38.17
GMW-24	10/03/16	77.48	---	39.31	---	38.17
GMW-24	04/17/17	77.48	35.09	35.64	0.55	42.28
GMW-24	10/02/17	77.48	---	39.33	---	38.15
GMW-24	11/05/18	77.48	38.19	38.63	0.44	39.20
GMW-24	04/16/19	77.48	---	38.43	---	39.05
GMW-24	10/28/19	77.48	---	38.65	---	38.83
GMW-24	05/04/20	77.48	---	36.24	---	41.24
GMW-24	11/02/20	77.48	---	36.58	---	40.90
GMW-24	05/03/21	77.48	---	37.18	---	40.30
GMW-25	11/20/96	74.29	27.75	31.91	4.16	45.58
GMW-25	07/01/97	74.29	28.37	34.58	6.21	44.49

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-25	12/31/97	74.29	27.86	33.59	5.73	45.11
GMW-25	05/01/98	74.29	16.76	24.44	7.68	55.76
GMW-25	05/04/99	74.29	26.58	30.40	3.82	46.83
GMW-25	08/09/99	74.29	26.73	29.99	3.26	46.81
GMW-25	11/15/99	74.29	27.75	28.95	1.20	46.26
GMW-25	05/15/00	74.29	27.39	28.17	0.78	46.72
GMW-25	11/13/00	74.29	27.97	29.52	1.55	45.96
GMW-25	05/07/01	74.29	26.27	28.62	2.35	47.48
GMW-25	08/07/01	74.29	25.73	28.14	2.41	48.01
GMW-25	11/05/01	74.29	26.07	28.40	2.33	47.68
GMW-25	04/08/02	74.29	27.00	27.07	0.07	47.27
GMW-25	10/21/02	74.29	29.41	29.45	0.04	44.87
GMW-25	04/07/03	74.29	---	NM	---	NC
GMW-25	05/02/05	74.29	---	24.78	---	49.51
GMW-25	10/31/05	74.29	25.41	25.47	0.06	48.87
GMW-25	05/01/06	74.29	---	25.87	---	48.42
GMW-25	12/04/06	74.29	---	26.65	---	47.64
GMW-25	04/30/07	74.29	---	26.60	---	47.69
GMW-25	11/12/07	74.29	27.25	27.30	0.05	47.03
GMW-25	08/12/08	74.29	---	27.81	---	46.48
GMW-25	10/17/08	74.29	---	28.26	---	46.03
GMW-25	12/18/08	74.29	---	29.01	---	45.28
GMW-25	01/15/09	74.29	---	28.62	---	45.67
GMW-25	03/24/09	74.29	---	28.79	---	45.50
GMW-25	04/21/09	74.29	---	28.35	---	45.94
GMW-25	07/21/09	74.29	---	29.80	---	44.49
GMW-25	10/19/09	74.29	---	30.28	---	44.01
GMW-25	06/22/10	74.29	---	31.64	---	42.65
GMW-25	10/04/10	74.29	---	29.25	---	45.04
GMW-25	04/11/11	74.29	---	26.21	---	48.08
GMW-25	10/10/11	74.29	---	30.02	---	44.27
GMW-25	04/16/12	74.29	---	31.30	---	42.99
GMW-25	07/09/12	---	---	NM	---	NC
GMW-25	10/15/12	78.14	---	31.88	---	46.26
GMW-25	04/08/13	78.14	---	32.11	---	46.03
GMW-25	10/07/13	78.14	33.10	33.23	0.13	45.01
GMW-25	04/14/14	78.14	33.00	37.40	4.40	44.13
GMW-25	05/05/14	78.14	33.06	37.51	4.45	44.06
GMW-25	05/12/14	78.14	33.73	34.97	1.24	44.12
GMW-25	05/20/14	78.14	34.30	36.75	2.45	43.28
GMW-25	05/27/14	78.14	34.44	34.64	0.20	43.65
GMW-25	06/04/14	78.14	---	35.00	---	43.14
GMW-25	06/10/14	78.14	34.18	36.67	2.49	43.39
GMW-25	07/03/14	78.14	---	34.21	---	43.93
GMW-25	07/24/14	78.14	---	34.29	---	43.85
GMW-25	08/01/14	78.14	33.99	35.02	1.03	43.91
GMW-25	08/08/14	78.14	34.06	34.54	0.48	43.97
GMW-25	08/14/14	78.14	34.06	34.48	0.42	43.98

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-25	08/19/14	78.14	34.07	34.51	0.44	43.97
GMW-25	08/29/14	78.14	33.96	34.65	0.69	44.02
GMW-25	09/18/14	78.14	34.01	35.21	1.20	43.85
GMW-25	09/26/14	78.14	34.06	34.87	0.81	43.89
GMW-25	10/01/14	78.14	33.98	34.92	0.94	43.94
GMW-25	10/06/14	78.14	33.99	34.93	0.94	43.93
GMW-25	10/14/14	78.14	33.91	35.10	1.19	43.96
GMW-25	10/23/14	78.14	33.91	35.34	1.43	43.90
GMW-25	10/27/14	78.14	33.95	34.78	0.83	44.00
GMW-25	11/03/14	78.14	33.98	34.92	0.94	43.94
GMW-25	11/10/14	78.14	34.02	35.12	1.10	43.87
GMW-25	11/18/14	78.14	34.11	34.90	0.79	43.85
GMW-25	11/25/14	78.14	34.07	35.07	1.00	43.84
GMW-25	12/03/14	78.14	33.98	35.10	1.12	43.90
GMW-25	12/12/14	78.14	34.30	35.22	0.92	43.63
GMW-25	12/19/14	78.14	34.50	35.05	0.55	43.51
GMW-25	04/20/15	78.14	34.47	35.19	0.72	43.50
GMW-25	06/25/15	78.14	35.40	36.35	0.95	42.52
GMW-25	10/20/15	78.14	35.38	35.40	0.02	42.76
GMW-25	03/16/16	78.14	---	38.99	---	39.15
GMW-25	04/12/16	78.14	---	37.15	---	40.99
GMW-25	06/29/16	78.14	---	38.40	---	39.74
GMW-25	08/22/16	78.14	---	38.44	---	39.70
GMW-25	10/03/16	78.14	---	38.70	---	39.44
GMW-25	10/03/16	78.14	---	38.70	---	39.44
GMW-25	04/17/17	78.14	---	35.23	---	42.91
GMW-25	10/02/17	78.14	---	39.22	---	38.92
GMW-25	11/05/18	78.14	---	38.70	---	39.44
GMW-25	04/16/19	78.14	---	36.89	---	41.25
GMW-25	10/28/19	78.14	---	37.10	---	41.04
GMW-25	05/04/20	78.14	---	36.49	---	41.65
GMW-25	11/02/20	78.14	---	36.98	---	41.16
GMW-25	05/03/21	78.14	---	37.42	---	40.72
GMW-26	11/20/96	74.45	---	27.82	---	46.63
GMW-26	07/01/97	74.45	---	29.03	---	45.42
GMW-26	12/31/97	74.45	---	29.14	---	45.31
GMW-26	05/01/98	74.45	---	25.45	---	49.00
GMW-26	05/04/99	74.45	---	26.52	---	47.93
GMW-26	08/09/99	74.45	---	26.55	---	47.90
GMW-26	11/15/99	74.45	---	25.46	---	48.99
GMW-26	05/15/00	74.45	---	26.54	---	47.91
GMW-26	11/13/00	74.45	---	27.67	---	46.78
GMW-26	05/07/01	74.45	---	25.84	---	48.61
GMW-26	11/05/01	74.45	---	25.73	---	48.72
GMW-26	04/08/02	74.45	---	26.40	---	48.05
GMW-26	10/21/02	74.45	---	26.82	---	47.63
GMW-26	04/07/03	74.45	---	25.28	---	49.17
GMW-26	07/07/03	74.52	---	26.53	---	47.99

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-26	10/06/03	74.52	---	26.30	---	48.22
GMW-26	01/11/04	74.52	---	27.87	---	46.65
GMW-26	01/20/04	74.52	---	26.83	---	47.69
GMW-26	04/19/04	74.52	---	27.91	---	46.61
GMW-26	04/27/04	74.52	---	27.32	---	47.20
GMW-26	06/07/04	74.52	---	27.95	---	46.57
GMW-26	07/08/04	74.52	---	27.72	---	46.80
GMW-26	05/02/05	74.52	---	23.05	---	51.47
GMW-26	10/31/05	74.52	---	23.62	---	50.90
GMW-26	05/22/06	74.52	---	24.14	---	50.38
GMW-26	12/04/06	74.52	---	24.69	---	49.83
GMW-26	04/30/07	74.52	---	24.68	---	49.84
GMW-26	11/12/07	74.52	---	25.06	---	49.46
GMW-26	04/14/08	74.52	---	25.39	---	49.13
GMW-26	10/13/08	74.52	---	25.92	---	48.60
GMW-26	04/20/09	74.52	---	26.12	---	48.40
GMW-26	10/19/09	74.52	---	26.96	---	47.56
GMW-26	05/24/10	74.52	---	27.70	---	46.82
GMW-26	05/28/10	74.52	---	27.47	---	47.05
GMW-26	10/04/10	74.52	---	36.51	---	38.01
GMW-26	04/11/11	74.52	---	27.22	---	47.30
GMW-26	10/10/11	74.52	---	26.38	---	48.14
GMW-26	04/16/12	74.52	---	27.86	---	46.66
GMW-26	07/09/12	74.52	---	NM	---	NC
GMW-26	10/15/12	74.52	---	28.40	---	46.12
GMW-26	04/08/13	74.52	---	28.98	---	45.54
GMW-26	10/07/13	74.52	---	29.94	---	44.58
GMW-26	04/14/14	74.52	---	30.28	---	44.24
GMW-26	10/27/14	74.52	---	30.68	---	43.84
GMW-26	04/20/15	74.52	---	31.18	---	43.34
GMW-26	10/19/15	74.52	---	31.73	---	42.79
GMW-26	03/14/16	74.52	---	34.56	---	39.96
GMW-26	04/11/16	74.52	---	35.55	---	38.97
GMW-26	06/29/16	74.52	---	34.45	---	40.07
GMW-26	08/22/16	74.52	---	34.58	---	39.94
GMW-26	10/03/16	74.52	---	35.12	---	39.40
GMW-26	10/03/16	74.52	---	35.12	---	39.40
GMW-26	04/17/17	74.52	---	31.90	---	42.62
GMW-26	10/02/17	74.52	---	35.00	---	39.52
GMW-26	11/05/18	74.52	---	37.70	---	36.82
GMW-26	11/05/18	74.52	---	37.70	---	36.82
GMW-26	04/16/19	74.52	---	33.41	---	41.11
GMW-26	10/28/19	74.52	---	35.23	---	39.29
GMW-26	05/04/20	74.52	---	35.52	---	39.00
GMW-26	11/02/20	74.52	---	33.59	---	40.93
GMW-26	05/03/21	74.52	---	34.08	---	40.44
GMW-27	12/31/97	74.39	27.76	28.43	0.67	46.50
GMW-27	05/01/98	74.39	---	25.07	---	49.32

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-27	05/07/99	74.39	---	26.44	---	47.95
GMW-27	08/09/99	74.39	---	26.46	---	47.93
GMW-27	11/15/99	74.39	---	26.71	---	47.68
GMW-27	05/15/00	74.39	---	26.44	---	47.95
GMW-27	11/13/00	74.39	---	27.52	---	46.87
GMW-27	05/07/01	74.39	---	25.67	---	48.72
GMW-27	08/07/01	74.39	---	25.25	---	49.14
GMW-27	11/05/01	74.39	---	25.65	---	48.74
GMW-27	04/08/02	74.39	---	28.79	---	45.60
GMW-27	10/21/02	74.39	---	26.72	---	47.67
GMW-27	04/07/03	74.39	---	26.13	---	48.26
GMW-27	10/06/03	74.39	---	26.32	---	48.07
GMW-27	01/11/04	74.41	---	27.82	---	46.59
GMW-27	01/27/04	74.39	---	26.52	---	47.87
GMW-27	04/19/04	74.41	---	27.62	---	46.79
GMW-27	04/27/04	74.41	---	27.00	---	47.41
GMW-27	06/07/04	74.41	---	27.70	---	46.71
GMW-27	07/08/04	74.41	---	27.46	---	46.95
GMW-27	05/02/05	74.41	---	24.01	---	50.40
GMW-27	10/31/05	74.41	---	23.03	---	51.38
GMW-27	05/09/06	74.41	---	23.51	---	50.90
GMW-27	12/04/06	74.41	---	24.45	---	49.96
GMW-27	04/30/07	74.41	---	24.52	---	49.89
GMW-27	11/12/07	74.41	---	24.90	---	49.51
GMW-27	04/14/08	74.41	---	25.21	---	49.20
GMW-27	08/11/08	74.41	---	29.68	---	44.73
GMW-27	10/13/08	74.41	---	25.81	---	48.60
GMW-27	11/21/08	74.41	---	26.20	---	48.21
GMW-27	04/20/09	74.41	---	26.04	---	48.37
GMW-27	10/19/09	74.41	---	27.39	---	47.02
GMW-27	05/24/10	74.41	---	26.90	---	47.51
GMW-27	05/28/10	74.41	---	26.96	---	47.45
GMW-27	10/04/10	74.41	---	26.95	---	47.46
GMW-27	01/10/11	74.41	---	27.97	---	46.44
GMW-27	04/11/11	74.41	---	26.33	---	48.08
GMW-27	07/11/11	74.41	---	NM	---	NC
GMW-27	10/10/11	74.41	---	26.17	---	48.24
GMW-27	01/09/12	74.41	---	26.84	---	47.57
GMW-27	04/16/12	74.41	---	27.85	---	46.56
GMW-27	07/09/12	74.41	---	27.94	---	46.47
GMW-27	10/15/12	74.41	---	29.05	---	45.36
GMW-27	01/14/13	74.41	---	29.07	---	45.34
GMW-27	04/08/13	74.41	---	28.96	---	45.45
GMW-27	10/07/13	74.41	---	29.45	---	44.96
GMW-27	04/14/14	74.41	---	30.19	---	44.22
GMW-27	10/27/14	74.41	---	30.51	---	43.90
GMW-27R	10/02/17	77.15	---	37.68	---	39.47
GMW-27R	11/05/18	77.15	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-28	11/20/96	74.62	---	27.86	---	46.76
GMW-28	07/01/97	74.62	---	29.03	---	45.59
GMW-28	12/31/97	74.62	28.00	28.65	0.65	46.49
GMW-28	05/01/98	74.62	24.77	25.42	0.65	49.72
GMW-28	08/09/99	74.62	---	26.64	---	47.98
GMW-28	11/15/99	74.62	---	26.80	---	47.82
GMW-28	11/13/00	74.62	---	27.50	---	47.12
GMW-28	08/07/01	74.62	---	25.47	---	49.15
GMW-28	11/05/01	74.62	---	25.85	---	48.77
GMW-28	04/08/02	74.62	---	26.21	---	48.41
GMW-28	10/21/02	74.62	---	26.96	---	47.66
GMW-28	04/07/03	74.62	---	26.35	---	48.27
GMW-28	07/07/03	74.68	---	26.43	---	48.25
GMW-28	10/06/03	74.62	---	26.31	---	48.31
GMW-28	01/11/04	74.68	---	27.68	---	47.00
GMW-28	01/20/04	74.68	---	26.85	---	47.83
GMW-28	04/19/04	74.68	---	27.58	---	47.10
GMW-28	04/27/04	74.68	---	27.13	---	47.55
GMW-28	06/07/04	74.68	---	27.70	---	46.98
GMW-28	07/08/04	74.68	---	27.59	---	47.09
GMW-28	05/02/05	74.68	---	23.71	---	50.97
GMW-28	10/31/05	74.68	---	25.16	---	49.52
GMW-28	04/30/07	74.62	---	NM	---	NC
GMW-28	11/12/07	74.62	---	25.16	---	49.46
GMW-28	04/14/08	74.62	---	25.50	---	49.12
GMW-28	11/04/08	74.62	---	26.61	---	48.01
GMW-28	04/20/09	74.68	---	26.18	---	48.50
GMW-28	10/19/09	74.68	---	27.21	---	47.47
GMW-28	05/24/10	74.68	---	27.11	---	47.57
GMW-28	05/28/10	74.68	---	27.12	---	47.56
GMW-28	10/04/10	74.68	---	27.11	---	47.57
GMW-28	04/11/11	74.68	---	29.32	---	45.36
GMW-28	10/10/11	74.68	---	26.41	---	48.27
GMW-28	04/16/12	74.68	---	28.32	---	46.36
GMW-28	07/09/12	74.68	---	NM	---	NC
GMW-28	10/15/12	74.68	---	28.50	---	46.18
GMW-28	04/08/13	74.68	---	28.99	---	45.69
GMW-28	10/07/13	74.68	---	29.46	---	45.22
GMW-28	04/14/14	74.68	---	30.23	---	44.45
GMW-28	10/27/14	74.68	---	30.60	---	44.08
GMW-28	10/27/14	74.68	---	31.16	---	43.52
GMW-28	04/20/15	74.68	---	31.23	---	43.45
GMW-28	10/19/15	74.68	---	32.00	---	42.68
GMW-28	03/14/16	74.68	---	35.66	---	39.02
GMW-28	04/11/16	74.68	---	34.10	---	40.58
GMW-28	06/29/16	74.68	---	34.95	---	39.73
GMW-28	08/22/16	74.68	---	35.33	---	39.35
GMW-28	10/03/16	74.68	---	35.81	---	38.87

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-28	10/03/16	74.68	---	35.81	---	38.87
GMW-28	04/17/17	74.68	---	32.10	---	42.58
GMW-28	10/02/17	74.68	---	35.78	---	38.90
GMW-28	11/05/18	74.68	---	35.54	---	39.14
GMW-28	04/16/19	74.68	---	34.30	---	40.38
GMW-28	10/28/19	74.68	---	35.73	---	38.95
GMW-28	05/04/20	74.68	---	33.35	---	41.33
GMW-28	11/02/20	74.68	---	33.47	---	41.21
GMW-28	02/24/21	74.68	---	34.34	---	40.34
GMW-28	05/03/21	74.68	---	34.14	---	40.54
GMW-28	08/31/21	74.68	---	34.34	---	40.34
GMW-29	11/20/96	74.86	---	30.60	---	44.26
GMW-29	07/01/97	74.86	---	29.58	---	45.28
GMW-29	12/31/97	74.86	30.91	31.70	0.79	43.79
GMW-29	05/01/98	74.86	27.81	28.43	0.62	46.93
GMW-29	05/04/99	74.86	---	31.35	---	43.51
GMW-29	08/09/99	74.86	---	28.90	---	45.96
GMW-29	11/15/99	74.86	---	NM	---	NC
GMW-29	05/15/00	74.86	---	NM	---	NC
GMW-29	11/13/00	74.86	---	31.30	---	43.56
GMW-29	11/13/00	74.86	---	28.51	---	46.35
GMW-29	05/07/01	74.86	---	28.64	---	46.22
GMW-29	05/10/01	74.86	---	28.43	---	46.43
GMW-29	08/07/01	74.86	---	28.25	---	46.61
GMW-29	11/05/01	74.86	---	28.46	---	46.40
GMW-29	04/08/02	74.86	---	26.54	---	48.32
GMW-29	10/21/02	74.86	---	26.98	---	47.88
GMW-29	04/07/03	74.86	---	29.20	---	45.66
GMW-29	07/07/03	77.57	---	29.09	---	48.48
GMW-29	10/06/03	74.86	---	29.00	---	45.86
GMW-29	01/11/04	77.57	---	27.47	---	50.10
GMW-29	01/20/04	77.57	---	29.46	---	48.11
GMW-29	04/19/04	77.57	---	29.94	---	47.63
GMW-29	04/27/04	77.57	---	29.80	---	47.77
GMW-29	06/07/04	77.57	---	29.93	---	47.64
GMW-29	07/08/04	77.57	---	30.06	---	47.51
GMW-29	05/02/05	77.57	---	26.63	---	50.94
GMW-29	10/31/05	77.57	---	25.42	---	52.15
GMW-29	05/01/06	77.57	---	26.64	---	50.93
GMW-29	12/04/06	77.57	---	27.34	---	50.23
GMW-29	04/30/07	77.57	---	27.48	---	50.09
GMW-29	11/12/07	77.57	---	27.95	---	49.62
GMW-29	04/14/08	77.57	---	29.46	---	48.11
GMW-29	04/14/08	77.57	---	28.31	---	49.26
GMW-29	10/13/08	77.57	---	28.72	---	48.85
GMW-29	04/20/09	77.57	---	28.86	---	48.71
GMW-29	10/19/09	77.57	---	29.70	---	47.87
GMW-29	05/24/10	77.57	---	29.92	---	47.65

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-29	05/28/10	77.57	---	29.88	---	47.69
GMW-29	10/04/10	77.57	---	27.30	---	50.27
GMW-29	04/11/11	77.57	---	29.52	---	48.05
GMW-29	10/10/11	77.57	---	26.50	---	51.07
GMW-29	04/16/12	77.57	---	28.14	---	49.43
GMW-29	07/09/12	77.57	---	NM	---	NC
GMW-29	10/15/12	77.57	---	28.41	---	49.16
GMW-29	04/08/13	77.57	---	28.95	---	48.62
GMW-29	10/07/13	77.57	---	30.30	---	47.27
GMW-29	04/14/14	77.57	---	31.62	---	45.95
GMW-29	10/27/14	77.57	---	32.42	---	45.15
GMW-29	04/20/15	77.57	---	32.62	---	44.95
GMW-29	10/27/15	77.57	31.86	35.37	3.51	45.01
GMW-29	03/14/16	77.57	---	36.15	---	41.42
GMW-29	04/11/16	77.57	33.55	34.95	1.40	43.74
GMW-29	06/29/16	77.57	34.50	37.82	3.32	42.41
GMW-29	08/22/16	77.57	35.16	35.67	0.51	42.31
GMW-29	10/03/16	77.57	35.75	36.00	0.25	41.77
GMW-29	10/03/16	77.57	35.75	36.00	0.25	NC
GMW-29	04/17/17	77.57	31.74	33.80	2.06	45.42
GMW-29	10/02/17	77.57	35.87	36.05	0.18	NC
GMW-29	11/05/18	77.57	35.62	35.68	0.06	41.94
GMW-29	04/16/19	77.57	---	34.92	---	42.65
GMW-29	10/28/19	77.57	---	36.10	---	41.47
GMW-29	05/04/20	77.57	---	33.38	---	44.19
GMW-29	11/02/20	77.57	---	34.18	---	43.39
GMW-29	02/24/21	77.57	34.38	34.65	0.27	43.14
GMW-29	05/03/21	77.57	34.15	34.53	0.38	43.34
GMW-29	08/31/21	77.57	34.12	34.78	0.66	43.32
GMW-30	11/20/96	74.91	27.51	29.60	2.09	46.98
GMW-30	07/01/97	74.91	28.96	30.32	1.36	45.68
GMW-30	12/31/97	74.91	27.80	29.74	1.94	46.72
GMW-30	05/01/98	74.91	19.11	24.27	5.16	54.77
GMW-30	05/04/99	74.91	25.45	31.56	6.11	48.24
GMW-30	08/09/99	74.91	25.76	30.10	4.34	48.28
GMW-30	11/15/99	74.91	27.20	27.57	0.37	47.64
GMW-30	05/15/00	74.91	27.27	27.60	0.33	47.57
GMW-30	11/13/00	74.91	26.55	26.59	0.04	48.35
GMW-30	05/07/01	74.91	---	28.47	---	46.44
GMW-30	08/07/01	74.91	---	25.60	---	49.31
GMW-30	11/05/01	74.91	25.96	26.00	0.04	48.94
GMW-30	04/08/02	74.91	26.35	26.53	0.18	48.52
GMW-30	10/21/02	74.91	27.32	27.51	0.19	47.55
GMW-30	04/07/03	74.91	26.75	26.77	0.02	48.16
GMW-30	10/06/03	74.91	26.45	26.51	0.06	48.45
GMW-30	01/11/04	74.91	27.91	27.97	0.06	46.99
GMW-30	04/19/04	74.91	27.49	27.60	0.11	47.40
GMW-30	05/10/05	74.91	---	23.63	---	51.28

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-30	10/31/05	74.91	---	26.71	---	48.20
GMW-30	05/01/06	74.91	---	23.91	---	51.00
GMW-30	12/04/06	74.91	---	24.73	---	50.18
GMW-30	04/30/07	74.91	---	24.99	---	49.92
GMW-30	08/28/07	74.91	---	24.65	---	50.26
GMW-30	08/28/07	74.91	---	24.65	---	50.26
GMW-30	11/12/07	74.91	---	25.38	---	49.53
GMW-30	04/14/08	74.91	---	25.65	---	49.26
GMW-30	11/04/08	74.91	---	26.52	---	48.39
GMW-30	04/20/09	74.91	---	26.30	---	48.61
GMW-30	10/19/09	74.91	---	27.40	---	47.51
GMW-30	05/24/10	74.91	---	27.32	---	47.59
GMW-30	05/28/10	74.91	---	27.18	---	47.73
GMW-30	10/04/10	74.91	---	27.30	---	47.61
GMW-30	01/10/11	74.91	---	28.61	---	46.30
GMW-30	04/11/11	74.91	---	26.43	---	48.48
GMW-30	07/11/11	74.91	---	NM	---	NC
GMW-30	10/10/11	74.91	---	26.55	---	48.36
GMW-30	01/09/12	74.91	---	27.12	---	47.79
GMW-30	04/16/12	74.91	---	29.09	---	45.82
GMW-30	07/09/12	74.91	---	28.43	---	46.48
GMW-30	10/15/12	74.91	---	28.40	---	46.51
GMW-30	01/14/13	74.91	---	29.59	---	45.32
GMW-30	04/08/13	74.91	---	29.31	---	45.60
GMW-30	10/07/13	74.91	---	30.32	---	44.59
GMW-30	04/14/14	74.91	---	30.60	---	44.31
GMW-30	10/27/14	74.91	30.12	33.74	3.62	44.07
GMW-30	04/20/15	74.91	31.01	32.77	1.76	43.55
GMW-30	10/19/15	74.91	31.80	32.92	1.12	42.89
GMW-30	03/14/16	74.91	---	36.22	---	38.69
GMW-30	04/11/16	74.91	---	34.01	---	40.90
GMW-30	06/29/16	74.91	---	35.28	---	39.63
GMW-30	08/22/16	74.91	---	35.40	---	39.51
GMW-30	10/03/16	74.91	---	36.30	---	38.61
GMW-30	10/03/16	74.91	---	36.30	---	38.61
GMW-30	04/17/17	74.91	32.16	32.53	0.37	42.68
GMW-30	10/02/17	74.91	---	36.21	---	38.70
GMW-30	11/05/18	74.91	35.73	35.75	0.02	39.18
GMW-30	04/16/19	74.91	---	34.73	---	40.18
GMW-30	10/28/19	74.91	---	35.98	---	38.93
GMW-30	05/04/20	74.91	---	33.36	---	41.55
GMW-30	11/02/20	74.91	---	33.76	---	41.15
GMW-30	05/03/21	74.91	34.25	34.29	0.04	40.65
GMW-31	11/20/96	76.50	---	30.18	---	46.32
GMW-31	07/01/97	76.50	---	30.11	---	46.39
GMW-31	12/31/97	76.50	---	30.03	---	46.47
GMW-31	05/01/98	76.50	---	27.26	---	49.24
GMW-31	05/25/99	76.50	---	28.07	---	48.43

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-31	05/15/00	76.50	---	28.70	---	47.80
GMW-31	11/13/00	76.50	---	28.33	---	48.17
GMW-31	05/07/01	76.50	---	27.48	---	49.02
GMW-31	04/08/02	76.50	---	28.94	---	47.56
GMW-31	10/21/02	76.50	---	28.72	---	47.78
GMW-31	04/07/03	76.50	---	28.44	---	48.06
GMW-31	10/06/03	76.50	---	28.48	---	48.02
GMW-31	04/19/04	76.50	---	29.99	---	46.51
GMW-31	11/01/04	76.50	---	29.16	---	47.34
GMW-31	05/02/05	76.50	---	24.57	---	51.93
GMW-31	05/01/06	76.50	---	26.10	---	50.40
GMW-31	08/26/06	76.50	---	26.49	---	50.01
GMW-31	12/01/06	76.50	---	26.84	---	49.66
GMW-31	04/30/07	76.50	---	27.34	---	49.16
GMW-31	11/12/07	76.50	---	27.91	---	48.59
GMW-31	04/11/08	76.50	---	27.57	---	48.93
GMW-31	07/24/08	76.50	---	27.91	---	48.59
GMW-31	10/14/08	76.50	---	28.57	---	47.93
GMW-31	02/10/09	76.50	---	28.87	---	47.63
GMW-31	04/20/09	76.50	---	28.41	---	48.09
GMW-31	10/19/09	76.50	---	29.28	---	47.22
GMW-31	04/08/10	76.50	---	28.91	---	47.59
GMW-31	04/12/10	76.50	---	28.71	---	47.79
GMW-31	01/07/11	76.50	---	29.40	---	47.10
GMW-31	04/08/11	76.50	---	28.13	---	48.37
GMW-31	07/08/11	76.50	---	28.34	---	48.16
GMW-31	10/06/11	76.50	---	28.87	---	47.63
GMW-31	04/12/12	76.50	---	30.04	---	46.46
GMW-31	04/16/12	76.50	---	29.81	---	46.69
GMW-31	01/11/13	76.50	---	31.35	---	45.15
GMW-31	04/03/13	76.50	---	31.26	---	45.24
GMW-31	04/08/13	76.50	---	31.08	---	45.42
GMW-31	10/02/13	76.50	---	31.98	---	44.52
GMW-31	04/07/14	76.50	---	32.76	---	43.74
GMW-31	04/14/14	76.50	---	32.36	---	44.14
GMW-31	10/27/14	76.50	---	32.88	---	43.62
GMW-31	04/20/15	76.50	---	33.21	---	43.29
GMW-31	04/11/16	76.50	---	NM	---	NC
GMW-31	10/03/16	76.50	---	NM	---	NC
GMW-31	04/17/17	76.50	---	32.03	---	44.47
GMW-31	10/03/17	76.50	---	33.18	---	43.32
GMW-31	04/16/18	76.50	---	33.77	---	42.73
GMW-31	11/05/18	76.50	---	34.32	---	42.18
GMW-31	04/15/19	---	---	NM	---	NC
GMW-31	10/28/19	76.50	---	34.35	---	42.15
GMW-31	05/04/20	76.50	---	33.31	---	NC
GMW-31	10/19/20	76.50	---	33.75	---	42.75
GMW-31	11/02/20	76.50	---	33.75	---	42.75

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-31	05/04/21	76.50	---	34.97	---	NC
GMW-32	11/20/96	74.62	---	27.79	---	46.83
GMW-32	07/01/97	74.62	---	26.99	---	47.63
GMW-32	12/31/97	74.62	---	27.38	---	47.24
GMW-32	05/01/98	74.62	---	24.23	---	50.39
GMW-32	05/25/99	74.62	---	25.52	---	49.10
GMW-32	05/15/00	74.62	---	26.16	---	48.46
GMW-32	11/13/00	74.62	---	26.73	---	47.89
GMW-32	05/07/01	74.62	---	24.93	---	49.69
GMW-32	02/01/02	74.62	---	25.35	---	49.27
GMW-32	04/08/02	74.62	---	26.52	---	48.10
GMW-32	10/21/02	74.62	---	27.09	---	47.53
GMW-32	04/07/03	74.62	---	25.15	---	49.47
GMW-32	10/06/03	74.62	---	25.89	---	48.73
GMW-32	04/19/04	74.62	---	26.78	---	47.84
GMW-32	11/01/04	74.62	---	27.30	---	47.32
GMW-32	05/02/05	74.62	---	20.42	---	54.20
GMW-32	03/06/06	74.62	---	23.10	---	51.52
GMW-32	05/01/06	74.62	---	22.98	---	51.64
GMW-32	08/26/06	74.62	---	23.64	---	50.98
GMW-32	12/01/06	74.62	---	24.50	---	50.12
GMW-32	03/21/07	74.62	---	24.51	---	50.11
GMW-32	04/30/07	74.62	---	25.03	---	49.59
GMW-32	08/28/07	74.62	---	24.78	---	49.84
GMW-32	11/12/07	74.62	---	25.62	---	49.00
GMW-32	02/05/08	74.62	---	25.93	---	48.69
GMW-32	04/14/08	74.62	---	25.11	---	49.51
GMW-32	07/24/08	74.62	---	25.52	---	49.10
GMW-32	10/14/08	74.62	---	26.35	---	48.27
GMW-32	02/10/09	74.62	---	26.15	---	48.47
GMW-32	04/20/09	74.62	---	27.28	---	47.34
GMW-32	07/16/09	74.62	---	26.71	---	47.91
GMW-32	10/19/09	74.62	---	27.24	---	47.38
GMW-32	04/08/10	74.62	---	26.61	---	48.01
GMW-32	04/12/10	74.62	---	26.82	---	47.80
GMW-32	04/07/11	74.62	---	25.72	---	48.90
GMW-32	10/06/11	74.62	---	26.71	---	47.91
GMW-32	04/12/12	74.62	---	27.94	---	46.68
GMW-32	04/19/12	74.62	---	27.83	---	46.79
GMW-32	01/10/13	74.62	---	29.31	---	45.31
GMW-32	04/03/13	74.62	---	29.34	---	45.28
GMW-32	04/08/13	74.62	---	29.32	---	45.30
GMW-32	10/02/13	74.62	---	29.98	---	44.64
GMW-32	04/09/14	74.62	---	30.60	---	44.02
GMW-32	04/16/14	74.62	---	30.30	---	44.32
GMW-32	10/27/14	74.62	---	30.72	---	43.90
GMW-32	11/02/20	74.62	---	NM	---	NC
GMW-32R	10/03/17	76.93	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-32R	04/16/18	76.93	---	NM	---	NC
GMW-32R	11/05/18	76.93	---	NM	---	NC
GMW-32R	04/19/19	76.93	---	NM	---	NC
GMW-32R	10/29/19	76.93	---	NM	---	NC
GMW-32R	05/05/20	76.93	---	DRY	---	NC
GMW-32R	05/04/21	76.93	---	DRY	---	DRY
GMW-33	11/20/96	74.88	---	27.97	---	46.91
GMW-33	07/01/97	74.88	---	26.84	---	48.04
GMW-33	12/31/97	74.88	---	27.52	---	47.36
GMW-33	05/01/98	74.88	---	24.08	---	50.80
GMW-33	05/25/99	74.88	---	25.62	---	49.26
GMW-33	05/15/00	74.88	---	26.50	---	48.38
GMW-33	11/13/00	74.88	---	26.90	---	47.98
GMW-33	05/07/01	74.88	---	25.18	---	49.70
GMW-33	02/01/02	74.88	---	25.32	---	49.56
GMW-33	04/08/02	74.88	---	26.55	---	48.33
GMW-33	10/21/02	74.88	---	27.15	---	47.73
GMW-33	04/07/03	74.88	---	26.22	---	48.66
GMW-33	10/06/03	74.88	---	26.06	---	48.82
GMW-33	04/19/04	74.88	---	28.89	---	45.99
GMW-33	11/01/04	74.88	---	27.47	---	47.41
GMW-33	05/02/05	74.88	---	21.50	---	53.38
GMW-33	03/06/06	74.88	---	23.94	---	50.94
GMW-33	05/01/06	74.88	---	23.90	---	50.98
GMW-33	08/26/06	74.88	---	24.38	---	50.50
GMW-33	12/01/06	74.88	---	24.90	---	49.98
GMW-33	03/21/07	74.88	---	25.61	---	49.27
GMW-33	04/30/07	74.88	---	25.44	---	49.44
GMW-33	08/28/07	74.88	---	25.94	---	48.94
GMW-33	11/12/07	74.88	---	25.97	---	48.91
GMW-33	02/05/08	74.88	---	26.87	---	48.01
GMW-33	04/11/08	74.88	---	25.58	---	49.30
GMW-33	07/24/08	74.88	---	26.11	---	48.77
GMW-33	10/13/08	74.88	---	26.93	---	47.95
GMW-33	02/10/09	74.88	---	27.05	---	47.83
GMW-33	07/16/09	74.88	---	27.41	---	47.47
GMW-33	04/07/10	74.88	---	26.82	---	48.06
GMW-33	10/01/10	74.88	---	27.43	---	47.45
GMW-33	04/07/11	74.88	---	NM	---	NC
GMW-33	10/06/11	74.88	---	NM	---	NC
GMW-33	04/12/12	74.88	---	NM	---	NC
GMW-33	01/10/13	74.88	---	NM	---	NC
GMW-33	04/03/13	74.88	---	NM	---	NC
GMW-33	10/02/13	74.88	---	NM	---	NC
GMW-33	04/09/14	74.88	---	NM	---	NC
GMW-33	10/27/14	74.88	---	NM	---	NC
GMW-33	04/11/16	74.88	---	NM	---	NC
GMW-33	10/03/16	74.88	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-33	04/18/17	74.88	---	DRY	---	NC
GMW-33	10/03/17	74.88	---	NM	---	NC
GMW-33	04/16/18	74.88	---	NM	---	NC
GMW-33	11/05/18	74.88	---	NM	---	NC
GMW-33	04/19/19	74.88	---	NM	---	NC
GMW-33	10/28/19	74.88	---	NM	---	NC
GMW-33	05/04/20	74.88	---	DRY	---	NC
GMW-33	11/02/20	74.88	---	NM	---	NC
GMW-33	05/03/21	74.88	---	DRY	---	DRY
GMW-34	11/20/96	75.25	27.69	31.87	4.18	46.72
GMW-34	07/01/97	75.25	28.10	32.06	3.96	46.36
GMW-34	12/31/97	75.25	27.88	31.81	3.93	46.58
GMW-34	05/01/98	75.25	25.66	25.92	0.26	49.54
GMW-34	05/25/99	75.25	---	26.80	---	48.45
GMW-34	05/15/00	75.25	---	27.46	---	47.79
GMW-34	11/13/00	75.25	---	27.05	---	48.20
GMW-34	05/07/01	75.25	---	26.12	---	49.13
GMW-34	04/08/02	75.25	---	27.26	---	47.99
GMW-34	10/21/02	75.25	---	27.64	---	47.61
GMW-34	04/07/03	75.25	---	26.98	---	48.27
GMW-34	10/06/03	75.25	---	27.03	---	48.22
GMW-34	04/19/04	75.25	---	28.53	---	46.72
GMW-34	11/01/04	75.25	---	28.26	---	46.99
GMW-34	05/02/05	75.25	---	22.79	---	52.46
GMW-34	05/01/06	75.25	---	24.50	---	50.75
GMW-34	12/01/06	75.25	---	25.56	---	49.69
GMW-34	04/30/07	75.25	---	25.88	---	49.37
GMW-34	11/12/07	75.25	---	NM	---	NC
GMW-34	04/11/08	75.25	---	NM	---	NC
GMW-34	10/14/08	75.25	---	NM	---	NC
GMW-34	10/01/10	75.25	---	27.85	---	47.40
GMW-34	04/12/12	75.25	---	NM	---	NC
GMW-35	11/20/96	76.12	28.69	33.01	4.32	46.57
GMW-35	07/01/97	76.12	27.75	31.38	3.63	47.64
GMW-35	12/31/97	76.12	28.10	32.18	4.08	47.20
GMW-35	05/01/98	76.12	24.97	25.28	0.31	51.09
GMW-35	05/25/99	76.12	26.93	27.65	0.72	49.05
GMW-35	05/15/00	76.12	27.67	28.26	0.59	48.33
GMW-35	11/13/00	76.12	---	29.38	---	46.74
GMW-35	05/07/01	76.12	---	26.80	---	49.32
GMW-35	04/08/02	76.12	---	28.39	---	47.73
GMW-35	09/19/02	76.12	28.56	28.95	0.39	47.48
GMW-35	10/21/02	76.12	---	29.03	---	47.09
GMW-35	04/07/03	76.12	28.10	28.15	0.05	48.01
GMW-35	10/06/03	76.12	---	27.58	---	48.54
GMW-35	04/19/04	76.12	28.46	28.49	0.03	47.65
GMW-35	11/01/04	76.12	28.71	28.78	0.07	47.40
GMW-35	02/28/05	76.12	---	24.73	---	51.39

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-35	05/02/05	76.12	---	23.26	---	52.86
GMW-35	03/06/06	76.12	---	25.14	---	50.98
GMW-35	05/01/06	76.12	---	25.37	---	50.75
GMW-35	08/26/06	76.12	---	25.83	---	50.29
GMW-35	12/01/06	76.12	---	26.27	---	49.85
GMW-35	03/21/07	76.12	---	26.72	---	49.40
GMW-35	04/30/07	76.12	---	26.74	---	49.38
GMW-35	08/28/07	76.12	---	27.02	---	49.10
GMW-35	11/12/07	76.12	---	27.32	---	48.80
GMW-35	02/05/08	76.12	---	27.98	---	48.14
GMW-35	04/14/08	76.12	---	26.85	---	49.27
GMW-35	10/13/08	76.12	28.28	28.31	0.03	47.83
GMW-35	02/10/09	76.12	---	27.70	---	48.42
GMW-35	04/20/09	76.12	---	28.94	---	47.18
GMW-35	07/17/09	76.12	---	28.12	---	48.00
GMW-35	04/08/10	76.12	---	27.07	---	49.05
GMW-35	04/12/10	76.12	---	28.41	---	47.71
GMW-35	10/01/10	76.12	---	28.73	---	47.39
GMW-35	01/08/11	76.12	29.03	29.04	0.01	47.09
GMW-35	04/12/12	76.12	29.44	29.51	0.07	46.67
GMW-35	04/20/12	76.12	---	29.38	---	46.74
GMW-35	04/05/13	76.12	30.61	30.83	0.22	45.47
GMW-35	04/08/13	76.12	30.58	30.80	0.22	45.50
GMW-35	10/02/13	76.12	31.38	31.71	0.33	44.67
GMW-35	04/09/14	76.12	31.95	31.97	0.02	44.17
GMW-35	04/16/14	76.12	31.95	32.15	0.20	44.13
GMW-35	10/27/14	76.12	32.16	32.18	0.02	43.96
GMW-35	10/19/20	76.12	---	34.69	---	41.21
GMW-35	11/02/20	76.12	---	34.69	---	41.21
GMW-35R	10/03/17	75.90	---	38.07	---	37.83
GMW-35R	04/16/18	75.90	---	38.75	---	37.15
GMW-35R	11/05/18	75.90	---	39.51	---	36.39
GMW-35R	04/22/19	75.90	---	37.85	---	38.05
GMW-35R	10/29/19	75.90	---	38.75	---	37.15
GMW-35R	05/05/20	75.90	---	34.12	---	41.78
GMW-35R	05/04/21	75.90	---	39.12	---	36.78
GMW-36	11/20/96	74.53	26.56	26.82	0.26	47.92
GMW-36	07/01/97	74.53	25.09	25.71	0.62	49.32
GMW-36	12/31/97	74.53	---	26.74	---	47.79
GMW-36	05/04/99	74.53	---	23.68	---	50.85
GMW-36	08/09/99	74.53	---	24.80	---	49.73
GMW-36	11/15/99	74.53	---	25.48	---	49.05
GMW-36	05/15/00	74.53	---	25.01	---	49.52
GMW-36	11/13/00	74.53	---	25.96	---	48.57
GMW-36	02/05/01	74.53	---	25.41	---	49.12
GMW-36	05/07/01	74.53	---	23.37	---	51.16
GMW-36	05/10/01	74.53	---	23.43	---	51.10
GMW-36	09/18/01	74.53	---	23.95	---	50.58

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-36	11/05/01	74.53	---	24.24	---	50.29
GMW-36	01/29/02	74.53	---	24.60	---	49.93
GMW-36	04/08/02	74.53	---	24.92	---	49.61
GMW-36	07/29/02	74.53	---	25.92	---	48.61
GMW-36	10/21/02	74.53	25.54	29.46	3.92	48.21
GMW-36	11/04/02	74.53	25.55	29.05	3.50	48.28
GMW-36	01/27/03	74.53	26.75	28.02	1.27	47.53
GMW-36	04/07/03	74.53	26.63	27.47	0.84	47.73
GMW-36	05/02/05	74.53	20.03	21.23	1.20	54.26
GMW-36	10/31/05	74.53	22.69	22.73	0.04	51.83
GMW-36	05/01/06	74.53	22.80	22.91	0.11	51.71
GMW-36	12/04/06	74.53	---	23.86	---	50.67
GMW-36	03/12/07	74.53	---	24.29	---	50.24
GMW-36	04/30/07	74.53	---	24.40	---	50.13
GMW-36	08/28/07	74.53	---	24.31	---	50.22
GMW-36	11/12/07	74.53	24.85	24.86	0.01	49.68
GMW-36	02/19/08	74.53	---	25.50	---	49.03
GMW-36	04/14/08	74.53	---	24.61	---	49.92
GMW-36	08/08/08	74.53	26.14	26.20	0.06	48.38
GMW-36	10/16/08	74.77	26.09	26.11	0.02	48.68
GMW-36	12/18/08	74.53	28.65	28.70	0.05	45.87
GMW-36	01/15/09	74.53	27.45	27.73	0.28	47.02
GMW-36	02/20/09	74.53	26.35	26.39	0.04	48.17
GMW-36	02/23/09	74.53	25.80	26.13	0.33	48.66
GMW-36	03/24/09	74.53	---	29.83	---	44.70
GMW-36	04/20/09	74.53	25.59	25.63	0.04	48.93
GMW-36	07/17/09	74.53	---	27.40	---	47.13
GMW-36	07/20/09	74.53	---	25.90	---	48.63
GMW-36	07/21/09	74.53	---	26.03	---	48.50
GMW-36	07/22/09	74.53	---	25.90	---	48.63
GMW-36	10/19/09	74.53	26.45	26.56	0.11	48.06
GMW-36	02/04/10	74.53	26.80	26.93	0.13	47.70
GMW-36	03/15/10	74.53	---	26.80	---	47.73
GMW-36	04/16/10	74.53	---	26.90	---	47.63
GMW-36	05/24/10	74.53	25.90	25.96	0.06	48.62
GMW-36	05/28/10	74.53	25.88	25.94	0.06	48.64
GMW-36	06/22/10	74.53	25.91	25.94	0.03	48.61
GMW-36	07/12/10	74.53	---	NM	---	NC
GMW-36	08/12/10	74.53	---	NM	---	NC
GMW-36	09/20/10	74.53	---	NM	---	NC
GMW-36	10/04/10	74.53	---	26.90	---	47.63
GMW-36	10/24/10	74.53	---	26.90	---	47.63
GMW-36	11/23/10	74.53	27.10	27.35	0.25	47.38
GMW-36	12/22/10	74.53	26.84	28.35	1.51	47.39
GMW-36	01/10/11	74.53	27.70	29.10	1.40	46.55
GMW-36	02/24/11	74.53	---	NM	---	NC
GMW-36	03/23/11	74.53	---	NM	---	NC
GMW-36	04/12/11	74.53	25.05	26.98	1.93	49.09

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-36	05/13/11	74.53	---	NM	---	NC
GMW-36	06/22/11	74.53	---	NM	---	NC
GMW-36	07/11/11	74.53	---	NM	---	NC
GMW-36	08/19/11	74.53	---	NM	---	NC
GMW-36	09/22/11	74.53	---	NM	---	NC
GMW-36	10/10/11	74.53	---	25.96	---	48.57
GMW-36	11/28/11	74.53	---	NM	---	NC
GMW-36	12/02/11	74.53	---	26.71	---	47.82
GMW-36	12/21/11	74.53	---	28.17	---	46.36
GMW-36	01/09/12	74.53	---	27.26	---	47.27
GMW-36	02/23/12	74.53	---	27.85	---	46.68
GMW-36	03/28/12	74.53	---	NM	---	NC
GMW-36	04/16/12	74.53	---	27.34	---	47.19
GMW-36	05/25/12	74.53	---	NM	---	NC
GMW-36	06/15/12	---	---	33.27	---	NC
GMW-36	07/09/12	---	---	33.71	---	NC
GMW-36	08/29/12	---	---	NM	---	NC
GMW-36	09/26/12	---	---	NM	---	NC
GMW-36	10/15/12	76.66	---	32.11	---	44.55
GMW-36	11/29/12	76.66	31.68	33.93	2.25	44.53
GMW-36	12/26/12	76.66	30.36	34.86	4.50	45.40
GMW-36	01/14/13	76.66	30.42	34.12	3.70	45.50
GMW-36	02/20/13	76.66	---	NM	---	NC
GMW-36	04/10/13	76.66	29.75	32.42	2.67	46.38
GMW-36	10/07/13	76.66	30.72	34.65	3.93	45.15
GMW-36	04/25/14	76.66	31.12	34.71	3.59	44.82
GMW-36	05/20/14	76.66	31.50	34.95	3.45	44.47
GMW-36	05/27/14	76.66	31.29	34.53	3.24	44.72
GMW-36	06/04/14	76.66	31.50	34.93	3.43	44.47
GMW-36	08/13/14	76.66	31.27	34.86	3.59	44.67
GMW-36	08/19/14	76.66	31.39	34.20	2.81	44.71
GMW-36	08/29/14	76.66	31.32	34.31	2.99	44.74
GMW-36	09/05/14	76.66	31.37	34.35	2.98	44.69
GMW-36	09/11/14	76.66	31.23	35.00	3.77	44.68
GMW-36	09/18/14	76.66	31.50	34.42	2.92	44.58
GMW-36	09/26/14	76.66	31.48	34.15	2.67	44.65
GMW-36	10/01/14	76.66	31.61	33.51	1.90	44.67
GMW-36	10/06/14	76.66	31.63	33.29	1.66	44.70
GMW-36	10/14/14	76.66	31.55	33.48	1.93	44.72
GMW-36	10/23/14	76.66	31.57	33.64	2.07	44.68
GMW-36	10/27/14	76.66	31.79	33.02	1.23	44.62
GMW-36	11/03/14	76.66	31.57	33.75	2.18	44.65
GMW-36	11/18/14	76.66	31.75	33.17	1.42	44.63
GMW-36	11/25/14	76.66	31.86	33.13	1.27	44.55
GMW-36	12/03/14	76.66	31.75	32.93	1.18	44.67
GMW-36	04/20/15	76.66	32.20	33.64	1.44	44.17
GMW-36	10/21/15	76.66	33.16	33.55	0.39	43.42
GMW-36	04/12/16	76.66	34.03	34.30	0.27	42.58

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-36	10/03/16	76.66	34.65	35.05	0.40	41.93
GMW-36	10/03/16	76.66	34.65	35.05	0.40	NC
GMW-36	04/17/17	76.66	---	32.96	---	43.70
GMW-36	10/02/17	76.66	---	34.10	---	42.56
GMW-36	11/05/18	76.66	---	35.91	---	40.75
GMW-36	04/23/19	76.66	---	33.56	---	43.10
GMW-36	10/28/19	76.66	---	34.86	---	NC
GMW-36	05/04/20	76.66	---	31.03	---	45.63
GMW-36	11/02/20	76.66	---	NM	---	NC
GMW-36	02/24/21	76.66	---	35.18	---	41.48
GMW-36	05/03/21	76.66	---	30.69	---	45.97
GMW-36	08/31/21	76.66	---	30.47	---	46.19
GMW-37	11/20/96	77.32	---	29.76	---	47.56
GMW-37	07/01/97	77.32	---	28.37	---	48.95
GMW-37	12/31/97	77.32	---	28.71	---	48.61
GMW-37	05/03/99	77.32	---	27.76	---	49.56
GMW-37	08/09/99	77.32	---	28.10	---	49.22
GMW-37	11/15/99	77.32	---	28.57	---	48.75
GMW-37	05/15/00	77.32	---	28.19	---	49.13
GMW-37	11/13/00	77.32	---	28.89	---	48.43
GMW-37	02/05/01	77.32	---	28.65	---	48.67
GMW-37	05/07/01	77.32	---	26.94	---	50.38
GMW-37	09/18/01	77.32	---	27.43	---	49.89
GMW-37	11/05/01	77.32	---	27.56	---	49.76
GMW-37	01/29/02	77.32	---	27.89	---	49.43
GMW-37	04/08/02	77.32	---	27.94	---	49.38
GMW-37	10/21/02	77.32	---	29.11	---	48.21
GMW-37	01/27/03	77.32	---	28.74	---	48.58
GMW-37	04/07/03	77.32	---	28.30	---	49.02
GMW-37	07/31/03	77.32	---	28.02	---	49.30
GMW-37	10/06/03	77.32	---	27.92	---	49.40
GMW-37	01/11/04	77.32	---	29.62	---	47.70
GMW-37	01/27/04	77.32	---	28.81	---	48.51
GMW-37	04/19/04	77.32	---	28.91	---	48.41
GMW-37	07/19/04	77.32	---	28.91	---	48.41
GMW-37	02/01/05	77.32	---	27.77	---	49.55
GMW-37	05/02/05	77.32	---	23.34	---	53.98
GMW-37	08/01/05	77.32	---	24.61	---	52.71
GMW-37	10/31/05	77.32	---	25.35	---	51.97
GMW-37	02/27/06	77.32	---	25.81	---	51.51
GMW-37	05/01/06	77.32	---	25.86	---	51.46
GMW-37	09/18/06	77.32	---	24.62	---	52.70
GMW-37	12/04/06	77.32	---	26.83	---	50.49
GMW-37	04/30/07	77.32	---	27.18	---	50.14
GMW-37	11/12/07	77.32	---	27.61	---	49.71
GMW-37	04/14/08	77.32	---	27.60	---	49.72
GMW-37	10/13/08	77.32	---	28.56	---	48.76
GMW-37	04/20/09	77.32	---	28.54	---	48.78

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-37	10/19/09	77.32	---	29.47	---	47.85
GMW-37	05/24/10	77.32	---	29.25	---	48.07
GMW-37	05/28/10	77.32	---	29.20	---	48.12
GMW-37	10/04/10	77.32	---	29.50	---	47.82
GMW-37	01/10/11	77.32	---	29.90	---	47.42
GMW-37	04/11/11	77.32	---	28.31	---	49.01
GMW-37	07/11/11	77.32	---	NM	---	NC
GMW-37	10/10/11	77.32	---	29.00	---	48.32
GMW-37	01/09/12	77.32	---	29.72	---	47.60
GMW-37	04/16/12	77.32	---	30.10	---	47.22
GMW-37	07/09/12	77.32	---	30.86	---	46.46
GMW-37	10/15/12	77.32	---	30.90	---	46.42
GMW-37	01/14/13	77.32	---	31.79	---	45.53
GMW-37	04/08/13	77.32	---	31.69	---	45.63
GMW-37	10/07/13	77.32	---	32.51	---	44.81
GMW-37	04/14/14	77.32	---	32.55	---	44.77
GMW-37	10/27/14	77.32	---	32.97	---	44.35
GMW-37	04/20/15	77.32	---	33.51	---	43.81
GMW-37	10/19/15	77.32	---	34.11	---	43.21
GMW-37	04/11/16	77.32	---	35.20	---	42.12
GMW-37	10/03/16	77.32	---	35.10	---	42.22
GMW-37	10/03/16	77.32	---	35.10	---	42.22
GMW-37	04/17/17	77.32	---	33.68	---	43.64
GMW-37	10/02/17	77.32	---	35.53	---	41.79
GMW-37	11/05/18	77.32	---	36.89	---	40.43
GMW-37	04/16/19	77.32	---	34.82	---	42.50
GMW-37	10/28/19	77.32	---	36.30	---	41.02
GMW-37	05/04/20	77.32	---	35.03	---	42.29
GMW-37	11/02/20	77.32	---	34.00	---	43.32
GMW-37	05/03/21	77.32	---	35.94	---	41.38
GMW-38	11/20/96	75.47	---	28.09	---	47.38
GMW-38	05/03/99	75.47	---	26.08	---	49.39
GMW-38	08/09/99	75.47	---	26.42	---	49.05
GMW-38	11/15/99	75.47	---	26.97	---	48.50
GMW-38	05/15/00	75.47	---	26.53	---	48.94
GMW-38	11/13/00	75.47	---	27.24	---	48.23
GMW-38	05/07/01	75.47	---	25.14	---	50.33
GMW-38	11/05/01	75.47	---	25.84	---	49.63
GMW-38	02/01/02	75.47	---	25.91	---	49.56
GMW-38	04/08/02	75.47	---	26.52	---	48.95
GMW-38	10/21/02	75.47	---	27.39	---	48.08
GMW-38	01/27/03	75.47	---	27.05	---	48.42
GMW-38	04/07/03	75.47	---	26.47	---	49.00
GMW-38	07/31/03	75.47	---	26.26	---	49.21
GMW-38	10/06/03	75.47	---	26.51	---	48.96
GMW-38	01/11/04	75.47	---	27.91	---	47.56
GMW-38	01/27/04	75.47	---	27.04	---	48.43
GMW-38	04/19/04	75.47	---	27.15	---	48.32

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-38	07/19/04	75.47	---	27.26	---	48.21
GMW-38	02/01/05	75.47	---	25.99	---	49.48
GMW-38	05/02/05	75.47	---	28.53	---	46.94
GMW-38	08/01/05	75.47	---	22.91	---	52.56
GMW-38	10/31/05	75.47	---	23.65	---	51.82
GMW-38	02/27/06	75.47	---	24.04	---	51.43
GMW-38	05/01/06	75.47	---	24.09	---	51.38
GMW-38	09/18/06	75.47	---	24.85	---	50.62
GMW-38	12/04/06	75.47	---	25.07	---	50.40
GMW-38	03/12/07	75.47	---	25.48	---	49.99
GMW-38	04/30/07	75.47	---	25.42	---	50.05
GMW-38	08/28/07	75.47	---	25.29	---	50.18
GMW-38	11/12/07	75.47	---	25.89	---	49.58
GMW-38	04/14/08	75.47	---	25.81	---	49.66
GMW-38	10/13/08	75.47	---	26.72	---	48.75
GMW-38	04/20/09	75.47	---	27.05	---	48.42
GMW-38	07/20/09	75.47	---	27.21	---	48.26
GMW-38	10/19/09	75.47	---	27.78	---	47.69
GMW-38	03/15/10	75.47	---	27.92	---	47.55
GMW-38	05/24/10	75.47	---	27.50	---	47.97
GMW-38	05/28/10	75.47	---	27.40	---	48.07
GMW-38	10/04/10	75.47	---	27.77	---	47.70
GMW-38	01/10/11	75.47	---	28.00	---	47.47
GMW-38	04/11/11	75.47	---	26.49	---	48.98
GMW-38	07/11/11	75.47	---	26.83	---	48.64
GMW-38	10/10/11	75.47	---	27.28	---	48.19
GMW-38	01/09/12	75.47	---	27.90	---	47.57
GMW-38	04/16/12	75.47	---	28.32	---	47.15
GMW-38	07/09/12	75.47	---	28.97	---	46.50
GMW-38	10/15/12	75.47	---	29.75	---	45.72
GMW-38	01/14/13	75.47	---	30.18	---	45.29
GMW-38	04/08/13	75.47	---	30.07	---	45.40
GMW-38	10/07/13	75.47	---	30.31	---	45.16
GMW-38	04/14/14	75.47	---	30.76	---	44.71
GMW-38	10/27/14	75.47	---	31.16	---	44.31
GMW-38	04/20/15	75.47	---	31.59	---	43.88
GMW-38	10/19/15	75.47	---	32.33	---	43.14
GMW-38	04/11/16	75.47	---	33.45	---	42.02
GMW-38	10/03/16	75.47	---	34.10	---	41.37
GMW-38	10/03/16	75.47	---	34.10	---	41.37
GMW-38	04/17/17	75.47	---	31.83	---	43.64
GMW-38	10/02/17	75.47	---	33.55	---	41.92
GMW-38	11/05/18	75.47	---	35.05	---	40.42
GMW-38	04/16/19	75.47	---	32.81	---	42.66
GMW-38	10/28/19	75.47	---	34.38	---	41.09
GMW-38	05/04/20	75.47	---	33.22	---	42.25
GMW-38	11/02/20	75.47	---	32.14	---	43.33
GMW-38	05/03/21	75.47	---	34.15	---	41.32

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-39	11/20/96	75.05	---	27.68	---	47.37
GMW-39	05/03/99	75.05	---	25.50	---	49.55
GMW-39	08/09/99	75.05	---	25.99	---	49.06
GMW-39	11/15/99	75.05	---	26.52	---	48.53
GMW-39	05/15/00	75.05	---	25.95	---	49.10
GMW-39	11/13/00	75.05	---	26.88	---	48.17
GMW-39	05/07/01	75.05	---	24.64	---	50.41
GMW-39	11/05/01	75.05	---	25.28	---	49.77
GMW-39	02/01/02	75.05	---	25.20	---	49.85
GMW-39	04/08/02	75.05	---	26.11	---	48.94
GMW-39	10/21/02	75.05	---	27.19	---	47.86
GMW-39	01/27/03	75.05	---	26.67	---	48.38
GMW-39	04/07/03	75.05	---	26.05	---	49.00
GMW-39	07/31/03	75.05	---	25.79	---	49.26
GMW-39	10/06/03	75.05	---	26.04	---	49.01
GMW-39	01/11/04	75.05	---	27.54	---	47.51
GMW-39	01/27/04	75.05	---	26.63	---	48.42
GMW-39	04/19/04	75.05	---	26.04	---	49.01
GMW-39	07/19/04	75.05	---	26.78	---	48.27
GMW-39	02/01/05	75.05	---	25.41	---	49.64
GMW-39	05/02/05	75.05	---	20.34	---	54.71
GMW-39	08/01/05	75.05	---	22.23	---	52.82
GMW-39	10/31/05	75.05	---	22.90	---	52.15
GMW-39	02/27/06	75.05	---	23.48	---	51.57
GMW-39	05/01/06	75.05	---	23.60	---	51.45
GMW-39	09/18/06	75.05	---	24.37	---	50.68
GMW-39	12/04/06	75.05	---	24.64	---	50.41
GMW-39	03/12/07	75.05	---	25.12	---	49.93
GMW-39	04/30/07	75.05	---	25.12	---	49.93
GMW-39	08/28/07	75.05	---	25.15	---	49.90
GMW-39	11/12/07	75.05	---	25.62	---	49.43
GMW-39	02/19/08	75.05	---	25.91	---	49.14
GMW-39	04/14/08	75.05	---	25.44	---	49.61
GMW-39	08/11/08	75.05	---	26.21	---	48.84
GMW-39	10/13/08	75.05	---	26.51	---	48.54
GMW-39	04/20/09	75.05	---	26.43	---	48.62
GMW-39	07/20/09	75.05	---	26.85	---	48.20
GMW-39	10/19/09	75.05	---	27.58	---	47.47
GMW-39	03/15/10	75.05	---	27.41	---	47.64
GMW-39	05/24/10	75.05	---	27.12	---	47.93
GMW-39	05/28/10	75.05	---	27.09	---	47.96
GMW-39	10/04/10	75.05	---	27.38	---	47.67
GMW-39	01/10/11	75.05	---	27.63	---	47.42
GMW-39	04/11/11	75.05	---	25.92	---	49.13
GMW-39	07/11/11	75.05	---	26.55	---	48.50
GMW-39	10/10/11	75.05	---	26.85	---	48.20
GMW-39	01/09/12	75.05	---	28.44	---	46.61
GMW-39	04/16/12	75.05	---	28.04	---	47.01

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-39	07/09/12	75.05	---	28.62	---	46.43
GMW-39	10/15/12	75.05	---	29.58	---	45.47
GMW-39	01/14/13	75.05	---	29.72	---	45.33
GMW-39	04/08/13	75.05	---	29.71	---	45.34
GMW-39	10/07/13	75.05	---	29.92	---	45.13
GMW-39	04/14/14	75.05	---	30.25	---	44.80
GMW-39	10/27/14	75.05	---	30.73	---	44.32
GMW-39	04/20/15	75.05	---	31.04	---	44.01
GMW-39	10/19/15	75.05	---	31.87	---	43.18
GMW-39	04/11/16	75.05	---	32.80	---	42.25
GMW-39	10/03/16	75.05	---	33.20	---	41.85
GMW-39	10/03/16	75.05	---	33.20	---	41.85
GMW-39	04/17/17	75.05	---	31.57	---	43.48
GMW-39	10/02/17	75.05	---	32.82	---	42.23
GMW-39	11/05/18	75.05	---	34.40	---	40.65
GMW-39	11/05/18	75.05	---	34.40	---	40.65
GMW-39	04/16/19	75.05	---	32.38	---	42.67
GMW-39	10/28/19	75.05	---	33.58	---	41.47
GMW-39	05/04/20	75.05	---	32.87	---	42.18
GMW-39	11/02/20	75.05	---	31.40	---	43.65
GMW-39	05/03/21	75.05	---	33.86	---	41.19
GMW-40	11/20/96	73.13	---	26.74	---	46.39
GMW-40	07/01/97	73.13	---	27.43	---	45.70
GMW-40	12/31/97	73.13	---	26.66	---	46.47
GMW-40	05/01/98	73.13	---	24.03	---	49.10
GMW-40	05/25/99	73.13	---	24.84	---	48.29
GMW-40	05/15/00	73.13	---	25.65	---	47.48
GMW-40	11/13/00	73.13	---	26.21	---	46.92
GMW-40	05/07/01	73.13	---	24.26	---	48.87
GMW-40	04/08/02	73.13	---	25.14	---	47.99
GMW-40	10/21/02	73.13	---	25.49	---	47.64
GMW-40	04/07/03	73.13	---	24.60	---	48.53
GMW-40	10/06/03	73.13	---	25.02	---	48.11
GMW-40	04/19/04	73.13	---	26.59	---	46.54
GMW-40	11/05/04	73.13	---	24.10	---	49.03
GMW-40	05/02/05	73.13	---	21.17	---	51.96
GMW-40	05/01/06	73.13	---	22.54	---	50.59
GMW-40	12/01/06	73.13	---	23.51	---	49.62
GMW-40	04/30/07	73.13	---	23.74	---	49.39
GMW-40	11/12/07	73.13	---	24.60	---	48.53
GMW-40	04/11/08	73.13	---	24.09	---	49.04
GMW-40	10/14/08	73.13	---	25.01	---	48.12
GMW-40	02/10/09	73.13	---	25.05	---	48.08
GMW-40	04/20/09	73.13	---	27.40	---	45.73
GMW-40	10/19/09	73.13	---	26.00	---	47.13
GMW-40	04/08/10	73.13	---	25.31	---	47.82
GMW-40	04/12/10	73.13	---	25.20	---	47.93
GMW-40	10/01/10	73.13	---	25.83	---	47.30

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-40	10/04/10	73.13	---	25.70	---	47.43
GMW-40	01/07/11	73.13	---	NM	---	NC
GMW-40	04/11/11	73.13	---	NM	---	NC
GMW-40	10/10/11	73.13	---	25.13	---	48.00
GMW-40	04/12/12	73.13	---	26.48	---	46.65
GMW-40	10/02/13	73.13	---	28.57	---	44.56
GMW-40	04/07/14	73.13	---	30.24	---	42.89
GMW-40	04/14/14	73.13	---	29.92	---	43.21
GMW-40	10/27/14	73.13	---	30.03	---	43.10
GMW-40	04/20/15	73.13	---	30.46	---	42.67
GMW-40	04/11/16	73.13	---	NM	---	NC
GMW-40	10/03/16	---	---	34.98	---	NC
GMW-40	04/20/17	73.13	---	32.80	---	40.33
GMW-40	04/16/18	---	---	NM	---	NC
GMW-40	10/28/19	---	---	NM	---	NC
GMW-40	05/05/20	73.13	---	NM	---	NC
GMW-40	11/02/20	73.13	---	NM	---	NC
GMW-40	05/04/21	73.13	---	NM	---	NC
GMW-41	11/20/96	74.46	---	27.92	---	46.54
GMW-41	07/01/97	74.46	---	28.31	---	46.15
GMW-41	12/31/97	74.46	---	27.81	---	46.65
GMW-41	05/01/98	74.46	---	25.10	---	49.36
GMW-41	05/25/99	74.46	---	26.02	---	48.44
GMW-41	05/15/00	74.46	---	26.69	---	47.77
GMW-41	11/13/00	74.46	---	27.32	---	47.14
GMW-41	05/07/01	74.46	---	25.45	---	49.01
GMW-41	04/08/02	74.46	---	26.36	---	48.10
GMW-41	10/21/02	74.46	---	26.85	---	47.61
GMW-41	04/07/03	74.46	---	26.15	---	48.31
GMW-41	10/06/03	74.46	---	26.22	---	48.24
GMW-41	04/19/04	74.46	---	27.64	---	46.82
GMW-41	11/01/04	74.46	---	27.54	---	46.92
GMW-41	05/02/05	74.46	---	22.28	---	52.18
GMW-41	05/01/06	74.46	---	23.87	---	50.59
GMW-41	12/01/06	74.46	---	24.71	---	49.75
GMW-41	04/30/07	74.46	---	25.06	---	49.40
GMW-41	11/12/07	74.46	---	25.87	---	48.59
GMW-41	04/11/08	74.46	---	25.44	---	49.02
GMW-41	07/24/08	74.46	---	25.80	---	48.66
GMW-41	10/14/08	74.46	---	26.35	---	48.11
GMW-41	02/10/09	74.46	---	26.58	---	47.88
GMW-41	04/20/09	74.46	---	26.61	---	47.85
GMW-41	10/19/09	74.46	---	27.34	---	47.12
GMW-41	04/08/10	74.46	---	26.64	---	47.82
GMW-41	04/12/10	74.46	---	26.44	---	48.02
GMW-41	10/04/10	74.46	---	26.91	---	47.55
GMW-41	01/07/11	74.46	---	27.58	---	46.88
GMW-41	04/08/11	74.46	---	26.01	---	48.45

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-41	04/11/11	74.46	---	NM	---	NC
GMW-41	07/08/11	74.46	---	26.01	---	48.45
GMW-41	10/06/11	74.46	---	26.61	---	47.85
GMW-41	10/10/11	74.46	---	26.53	---	47.93
GMW-41	04/12/12	74.46	---	27.77	---	46.69
GMW-41	04/16/12	74.46	---	27.54	---	46.92
GMW-41	01/11/13	74.46	---	29.47	---	44.99
GMW-41	04/03/13	74.46	---	29.29	---	45.17
GMW-41	04/08/13	74.46	---	29.16	---	45.30
GMW-41	10/02/13	74.46	---	29.89	---	44.57
GMW-41	04/07/14	74.46	31.05	31.07	0.02	43.41
GMW-41	04/15/14	74.46	31.05	31.14	0.09	43.39
GMW-41	10/27/14	74.46	---	30.78	---	43.68
GMW-41	04/20/15	74.46	---	31.22	---	43.24
GMW-41	04/11/16	74.46	---	NM	---	NC
GMW-41	10/03/16	---	---	35.97	---	NC
GMW-41	04/17/17	74.46	---	29.79	---	44.67
GMW-41	10/03/17	72.69	---	NM	---	NC
GMW-41	04/16/18	72.69	---	32.79	---	39.90
GMW-41	11/05/18	72.69	---	33.12	---	39.57
GMW-41	04/15/19	---	---	NM	---	NC
GMW-41	10/28/19	72.69	---	33.07	---	39.62
GMW-41	05/04/20	72.69	---	31.11	---	NC
GMW-41	11/02/20	74.46	---	31.99	---	40.70
GMW-41	05/03/21	72.69	---	32.34	---	NC
GMW-42	11/20/96	75.50	28.87	29.55	0.68	46.49
GMW-42	07/01/97	75.50	29.06	29.52	0.46	46.35
GMW-42	12/31/97	75.50	---	28.87	---	46.63
GMW-42	05/01/98	75.50	---	26.18	---	49.32
GMW-42	05/25/99	75.50	---	26.99	---	48.51
GMW-42	05/15/00	75.50	---	27.54	---	47.96
GMW-42	11/13/00	75.50	---	28.32	---	47.18
GMW-42	05/07/01	75.50	---	26.25	---	49.25
GMW-42	04/08/02	75.50	---	27.57	---	47.93
GMW-42	10/21/02	75.50	---	27.96	---	47.54
GMW-42	04/07/03	75.50	---	27.25	---	48.25
GMW-42	10/06/03	75.50	---	27.30	---	48.20
GMW-42	04/19/04	75.50	---	28.78	---	46.72
GMW-42	11/01/04	75.50	---	28.40	---	47.10
GMW-42	05/03/05	75.50	---	22.32	---	53.18
GMW-42	05/01/06	75.50	---	24.46	---	51.04
GMW-42	12/01/06	75.50	---	23.51	---	51.99
GMW-42	04/30/07	75.50	---	26.07	---	49.43
GMW-42	11/12/07	75.50	---	26.38	---	49.12
GMW-42	04/11/08	75.50	---	25.95	---	49.55
GMW-42	10/16/08	75.50	---	26.92	---	48.58
GMW-42	04/07/10	75.50	---	27.60	---	47.90
GMW-42	10/01/10	75.50	---	28.13	---	47.37

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-42	01/08/11	75.50	---	28.03	---	47.47
GMW-42	04/12/12	75.50	---	28.88	---	46.62
GMW-42	10/02/13	75.50	---	30.99	---	44.51
GMW-42	04/07/14	75.50	---	31.98	---	43.52
GMW-42	04/14/14	75.50	---	31.42	---	44.08
GMW-42	10/27/14	75.50	---	31.93	---	43.57
GMW-42	04/20/15	75.50	---	32.21	---	43.29
GMW-42	04/11/16	75.50	---	NM	---	NC
GMW-42	10/03/16	75.50	---	NM	---	NC
GMW-42	04/17/17	75.50	---	NM	---	NC
GMW-42	10/03/17	75.50	---	34.71	---	40.79
GMW-42	04/16/18	75.50	---	35.08	---	40.42
GMW-42	11/05/18	75.50	---	35.58	---	39.92
GMW-42	04/15/19	---	---	NM	---	NC
GMW-42	10/28/19	75.50	---	35.69	---	39.81
GMW-42	05/04/20	75.50	---	34.23	---	NC
GMW-42	11/02/20	75.50	---	34.74	---	40.76
GMW-42	05/03/21	75.50	---	35.20	---	NC
GMW-43	11/20/96	74.44	---	28.03	---	46.41
GMW-43	07/01/97	74.44	---	27.66	---	46.78
GMW-43	12/31/97	74.44	---	27.70	---	46.74
GMW-43	05/01/98	74.44	---	24.93	---	49.51
GMW-43	05/25/99	74.44	---	25.72	---	48.72
GMW-43	05/15/00	74.44	---	26.41	---	48.03
GMW-43	11/13/00	74.44	---	26.97	---	47.47
GMW-43	05/07/01	74.44	---	25.11	---	49.33
GMW-43	04/08/02	74.44	---	26.70	---	47.74
GMW-43	10/21/02	74.44	---	26.66	---	47.78
GMW-43	04/07/03	74.44	---	26.00	---	48.44
GMW-43	10/06/03	74.44	---	26.12	---	48.32
GMW-43	04/19/04	74.44	---	27.40	---	47.04
GMW-43	11/03/04	74.44	---	26.63	---	47.81
GMW-43	05/02/05	74.44	---	21.03	---	53.41
GMW-43	05/01/06	74.44	---	23.36	---	51.08
GMW-43	12/01/06	74.44	---	24.59	---	49.85
GMW-43	04/30/07	74.44	---	25.00	---	49.44
GMW-43	11/12/07	74.44	---	25.60	---	48.84
GMW-43	04/14/08	74.44	---	25.17	---	49.27
GMW-43	07/24/08	74.44	---	25.77	---	48.67
GMW-43	10/14/08	74.44	---	26.34	---	48.10
GMW-43	02/10/09	74.44	---	26.79	---	47.65
GMW-43	04/20/09	74.44	---	27.11	---	47.33
GMW-43	10/19/09	74.44	---	27.31	---	47.13
GMW-43	04/08/10	74.44	---	26.52	---	47.92
GMW-43	04/12/10	74.44	---	26.24	---	48.20
GMW-43	01/08/11	74.44	---	26.95	---	47.49
GMW-43	04/07/11	74.44	---	25.76	---	48.68
GMW-43	07/08/11	74.44	---	26.10	---	48.34

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-43	10/06/11	74.44	---	26.65	---	47.79
GMW-43	04/12/12	74.44	---	27.86	---	46.58
GMW-43	04/16/12	74.44	---	27.74	---	46.70
GMW-43	01/10/13	74.44	---	29.27	---	45.17
GMW-43	04/03/13	74.44	---	29.24	---	45.20
GMW-43	04/08/13	74.44	---	29.11	---	45.33
GMW-43	10/02/13	74.44	---	30.00	---	44.44
GMW-43	04/07/14	74.44	---	30.81	---	43.63
GMW-43	04/14/14	74.44	---	30.42	---	44.02
GMW-43	10/27/14	74.44	---	30.87	---	43.57
GMW-43	04/20/15	74.44	---	31.24	---	43.20
GMW-43	04/11/16	74.44	---	NM	---	NC
GMW-43	10/03/16	74.44	---	NM	---	NC
GMW-43	04/17/17	74.44	---	31.42	---	43.02
GMW-43	10/03/17	76.07	---	NM	---	NC
GMW-43	04/16/18	76.07	---	35.25	---	40.82
GMW-43	11/05/18	76.07	---	35.81	---	40.26
GMW-43	04/19/19	76.07	---	33.54	---	42.53
GMW-43	10/28/19	76.07	---	35.48	---	40.59
GMW-43	05/04/20	76.07	---	34.41	---	41.66
GMW-43	11/02/20	74.44	---	35.04	---	41.03
GMW-43	05/04/21	76.07	---	35.44	---	40.63
GMW-44	11/20/96	74.45	---	28.29	---	46.16
GMW-44	07/01/97	74.45	---	27.75	---	46.70
GMW-44	12/31/97	74.45	---	27.90	---	46.55
GMW-44	05/01/98	74.45	---	25.13	---	49.32
GMW-44	05/25/99	74.45	---	25.88	---	48.57
GMW-44	05/15/00	74.45	---	26.63	---	47.82
GMW-44	11/13/00	74.45	---	27.16	---	47.29
GMW-44	05/07/01	74.45	---	25.38	---	49.07
GMW-44	04/08/02	74.45	---	26.70	---	47.75
GMW-44	10/21/02	74.45	---	26.88	---	47.57
GMW-44	04/07/03	74.45	---	26.30	---	48.15
GMW-44	10/06/03	74.45	---	26.29	---	48.16
GMW-44	04/19/04	74.45	---	28.45	---	46.00
GMW-44	05/02/05	74.45	---	22.00	---	52.45
GMW-44	11/03/05	74.45	---	27.21	---	47.24
GMW-44	05/01/06	74.45	---	23.98	---	50.47
GMW-44	12/01/06	74.45	---	24.81	---	49.64
GMW-44	04/30/07	74.45	---	25.32	---	49.13
GMW-44	11/12/07	74.45	---	25.82	---	48.63
GMW-44	04/14/08	74.45	---	25.45	---	49.00
GMW-44	07/24/08	74.45	---	25.95	---	48.50
GMW-44	10/14/08	74.45	---	26.60	---	47.85
GMW-44	02/10/09	74.45	---	26.87	---	47.58
GMW-44	04/20/09	74.45	---	26.51	---	47.94
GMW-44	10/19/09	74.45	---	27.43	---	47.02
GMW-44	04/08/10	74.45	---	26.77	---	47.68

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-44	04/12/10	74.45	---	26.51	---	47.94
GMW-44	01/07/11	74.45	---	27.47	---	46.98
GMW-44	04/08/11	74.45	---	26.05	---	48.40
GMW-44	07/08/11	74.45	---	NM	---	NC
GMW-44	10/06/11	74.45	---	26.91	---	47.54
GMW-44	04/12/12	74.45	---	28.13	---	46.32
GMW-44	04/16/12	74.45	---	27.92	---	46.53
GMW-44	01/10/13	74.45	---	29.54	---	44.91
GMW-44	04/03/13	74.45	---	29.51	---	44.94
GMW-44	04/08/13	74.45	---	29.42	---	45.03
GMW-44	10/02/13	74.45	---	30.25	---	44.20
GMW-44	04/07/14	74.45	---	31.06	---	43.39
GMW-44	04/14/14	74.45	---	30.72	---	43.73
GMW-44	10/27/14	74.45	---	31.10	---	43.35
GMW-44	04/20/15	74.45	---	31.46	---	42.99
GMW-44	04/11/16	74.45	---	NM	---	NC
GMW-44	10/03/16	74.45	---	33.62	---	40.83
GMW-44	04/18/17	74.45	---	32.08	---	42.37
GMW-44	10/03/17	75.71	---	34.41	---	41.30
GMW-44	04/16/18	75.71	---	34.91	---	40.80
GMW-44	11/05/18	75.71	---	35.46	---	40.25
GMW-44	04/19/19	75.71	---	33.56	---	42.15
GMW-44	10/28/19	75.71	---	35.05	---	40.66
GMW-44	05/04/20	75.71	---	33.93	---	41.78
GMW-44	11/02/20	74.45	---	34.65	---	41.06
GMW-44	05/03/21	75.71	---	35.03	---	40.68
GMW-45	11/20/96	75.67	---	29.21	---	46.46
GMW-45	07/01/97	75.67	---	28.32	---	47.35
GMW-45	12/31/97	75.67	---	28.81	---	46.86
GMW-45	05/01/98	75.67	---	25.75	---	49.92
GMW-45	05/25/99	75.67	---	26.74	---	48.93
GMW-45	05/15/00	75.67	---	27.68	---	47.99
GMW-45	11/13/00	75.67	---	28.02	---	47.65
GMW-45	05/07/01	75.67	---	28.65	---	47.02
GMW-45	04/08/02	75.67	---	27.92	---	47.75
GMW-45	10/21/02	75.67	---	28.33	---	47.34
GMW-45	04/07/03	75.67	---	27.50	---	48.17
GMW-45	10/06/03	75.67	---	27.26	---	48.41
GMW-45	04/19/04	75.67	---	28.17	---	47.50
GMW-45	11/01/04	75.67	---	28.35	---	47.32
GMW-45	05/02/05	75.67	---	23.15	---	52.52
GMW-45	03/06/06	75.67	---	25.21	---	50.46
GMW-45	05/01/06	75.67	---	25.15	---	50.52
GMW-45	08/26/06	75.67	---	25.53	---	50.14
GMW-45	12/01/06	75.67	---	25.96	---	49.71
GMW-45	03/21/07	75.67	---	26.09	---	49.58
GMW-45	04/27/07	75.67	---	26.48	---	49.19
GMW-45	08/28/07	75.67	---	26.42	---	49.25

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-45	11/12/07	75.67	---	26.94	---	48.73
GMW-45	02/05/08	74.45	---	27.52	---	46.93
GMW-45	04/11/08	75.67	---	26.76	---	48.91
GMW-45	07/24/08	75.67	---	27.27	---	48.40
GMW-45	10/13/08	75.67	---	27.95	---	47.72
GMW-45	02/09/09	74.45	---	27.68	---	46.77
GMW-45	04/20/09	75.67	---	27.58	---	48.09
GMW-45	07/16/09	75.67	---	27.91	---	47.76
GMW-45	10/19/09	75.67	---	28.54	---	47.13
GMW-45	04/07/10	75.67	---	28.22	---	47.45
GMW-45	04/12/10	75.67	---	27.85	---	47.82
GMW-45	01/06/11	75.67	---	28.75	---	46.92
GMW-45	04/07/11	75.67	---	27.38	---	48.29
GMW-45	07/07/11	75.67	---	27.63	---	48.04
GMW-45	10/07/11	75.67	---	28.22	---	47.45
GMW-45	04/12/12	75.67	---	29.30	---	46.37
GMW-45	04/19/12	75.67	---	29.02	---	46.65
GMW-45	01/10/13	75.67	---	30.35	---	45.32
GMW-45	04/02/13	75.67	---	30.34	---	45.33
GMW-45	04/08/13	75.67	---	30.29	---	45.38
GMW-45	10/01/13	75.67	31.07	31.09	0.02	44.60
GMW-45	04/09/14	75.67	31.67	31.69	0.02	44.00
GMW-45	04/15/14	75.67	31.68	31.95	0.27	43.94
GMW-45	10/27/14	75.67	---	32.01	---	43.66
GMW-45	04/20/15	75.67	32.31	32.33	0.02	43.36
GMW-45	04/11/16	75.67	---	NM	---	NC
GMW-45	10/03/16	---	---	34.60	---	NC
GMW-45	04/19/17	75.67	33.30	34.72	1.42	42.09
GMW-45	10/02/17	75.67	---	34.57	---	41.10
GMW-45	04/16/18	75.67	33.33	34.78	1.45	NC
GMW-45	11/05/18	75.67	34.49	34.99	0.50	NC
GMW-45	04/15/19	75.67	---	33.74	---	41.93
GMW-45	05/10/19	75.67	---	33.51	---	42.16
GMW-45	10/30/19	75.67	---	34.08	---	41.59
GMW-45	05/05/20	75.67	---	33.66	---	42.01
GMW-45	11/02/20	75.67	---	34.02	---	41.65
GMW-45	05/04/21	75.67	---	34.42	---	41.25
GMW-46	08/26/06	76.10	---	24.72	---	51.38
GMW-46	08/28/07	75.31	---	25.89	---	49.42
GMW-47	11/20/96	75.98	---	29.43	---	46.55
GMW-47	07/01/97	75.98	---	28.34	---	47.64
GMW-47	12/31/97	75.98	---	28.90	---	47.08
GMW-47	05/01/98	75.98	---	25.79	---	50.19
GMW-47	05/25/99	75.98	---	26.91	---	49.07
GMW-47	05/15/00	75.98	---	27.61	---	48.37
GMW-47	11/13/00	75.98	---	28.13	---	47.85
GMW-47	02/05/01	75.98	---	27.17	---	48.81
GMW-47	05/07/01	75.98	---	26.71	---	49.27

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-47	04/08/02	75.98	---	27.21	---	48.77
GMW-47	09/19/02	75.98	---	28.50	---	47.48
GMW-47	10/21/02	75.98	---	29.04	---	46.94
GMW-47	04/07/03	75.98	---	27.82	---	48.16
GMW-47	10/06/03	75.98	---	27.44	---	48.54
GMW-47	04/19/04	75.98	---	28.27	---	47.71
GMW-47	11/01/04	75.98	---	28.60	---	47.38
GMW-47	02/28/05	75.98	---	24.87	---	51.11
GMW-47	05/02/05	75.98	---	23.17	---	52.81
GMW-47	03/06/06	75.98	---	24.67	---	51.31
GMW-47	05/01/06	75.98	---	25.16	---	50.82
GMW-47	08/26/06	75.98	---	25.62	---	50.36
GMW-47	12/01/06	75.98	---	26.15	---	49.83
GMW-47	03/21/07	75.98	---	26.30	---	49.68
GMW-47	04/27/07	75.98	---	26.71	---	49.27
GMW-47	08/28/07	75.98	---	26.74	---	49.24
GMW-47	11/12/07	75.98	---	27.12	---	48.86
GMW-47	02/05/08	75.98	---	27.75	---	48.23
GMW-47	04/11/08	75.98	---	26.93	---	49.05
GMW-47	07/24/08	75.98	---	27.49	---	48.49
GMW-47	10/13/08	75.98	---	28.19	---	47.79
GMW-47	02/09/09	75.98	---	28.07	---	47.91
GMW-47	04/20/09	75.98	---	27.66	---	48.32
GMW-47	07/16/09	75.98	---	28.22	---	47.76
GMW-47	07/20/09	75.98	---	28.10	---	47.88
GMW-47	10/19/09	75.98	---	28.48	---	47.50
GMW-47	01/11/10	75.98	---	29.10	---	46.88
GMW-47	04/07/10	75.98	---	NM	---	NC
GMW-47	04/12/10	75.98	---	28.52	---	47.46
GMW-47	01/06/11	75.98	---	29.05	---	46.93
GMW-47	04/07/11	75.98	---	27.50	---	48.48
GMW-47	07/07/11	75.98	---	27.83	---	48.15
GMW-47	10/06/11	75.98	---	28.41	---	47.57
GMW-47	01/10/12	75.98	---	28.71	---	47.27
GMW-47	04/12/12	75.98	---	29.55	---	46.43
GMW-47	04/20/12	75.98	---	29.26	---	46.72
GMW-47	01/10/13	75.98	---	30.57	---	45.41
GMW-47	04/02/13	75.98	---	30.55	---	45.43
GMW-47	04/08/13	75.98	---	30.55	---	45.43
GMW-47	10/01/13	75.98	---	31.28	---	44.70
GMW-47	04/09/14	75.98	---	31.79	---	44.19
GMW-47	04/15/14	75.98	---	31.62	---	44.36
GMW-47	10/27/14	75.98	---	32.11	---	43.87
GMW-47	04/20/15	75.98	---	32.45	---	43.53
GMW-47	04/11/16	75.98	---	33.79	---	42.19
GMW-47	10/03/16	75.98	---	34.25	---	41.73
GMW-47	04/19/17	75.98	---	33.55	---	42.43
GMW-47	10/03/17	75.98	---	34.20	---	41.78

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-47	04/16/18	75.98	---	34.87	---	41.11
GMW-47	11/05/18	75.98	---	35.53	---	40.45
GMW-47	04/22/19	75.98	---	33.84	---	42.14
GMW-47	05/10/19	75.98	---	34.84	---	41.14
GMW-47	10/29/19	75.98	---	34.84	---	41.14
GMW-47	05/05/20	75.98	---	34.56	---	41.42
GMW-47	11/02/20	75.98	---	34.82	---	41.16
GMW-47	05/04/21	75.98	---	35.39	---	40.59
GMW-48	11/20/96	75.03	---	28.40	---	46.63
GMW-48	07/01/97	75.03	27.11	27.58	0.47	47.83
GMW-48	12/31/97	75.03	27.37	29.58	2.21	47.22
GMW-48	05/01/98	75.03	23.63	24.46	0.83	51.23
GMW-48	05/26/99	75.03	25.72	27.01	1.29	49.05
GMW-48	05/15/00	75.03	26.31	26.49	0.18	48.68
GMW-48	11/13/00	75.03	---	27.21	---	47.82
GMW-48	05/07/01	75.03	25.65	26.10	0.45	49.29
GMW-48	04/08/02	75.03	---	NM	---	NC
GMW-48	09/19/02	75.03	---	26.50	---	48.53
GMW-48	10/21/02	75.03	---	27.10	---	47.93
GMW-48	04/07/03	75.03	25.89	25.90	0.01	49.14
GMW-48	10/06/03	75.03	---	25.59	---	49.44
GMW-48	04/19/04	75.03	---	26.41	---	48.62
GMW-48	11/01/04	75.03	---	26.90	---	48.13
GMW-48	02/28/05	75.03	---	23.00	---	52.03
GMW-48	05/02/05	75.03	---	20.80	---	54.23
GMW-48	03/06/06	75.03	---	23.61	---	51.42
GMW-48	05/01/06	75.03	---	23.07	---	51.96
GMW-48	08/26/06	75.03	---	23.50	---	51.53
GMW-48	12/01/06	75.03	---	24.54	---	50.49
GMW-48	03/21/07	75.03	---	24.57	---	50.46
GMW-48	04/27/07	75.03	---	24.85	---	50.18
GMW-48	08/28/07	75.03	---	24.92	---	50.11
GMW-48	11/12/07	75.03	---	25.37	---	49.66
GMW-48	04/11/08	75.03	---	25.07	---	49.96
GMW-48	10/13/08	75.03	---	26.39	---	48.64
GMW-48	04/07/10	75.03	---	26.40	---	48.63
GMW-48	10/01/10	75.03	---	26.89	---	48.14
GMW-48	01/06/11	75.03	---	27.29	---	47.74
GMW-48	04/07/11	75.03	---	25.53	---	49.50
GMW-48	07/07/11	75.03	---	25.89	---	49.14
GMW-48	10/06/11	75.03	---	26.55	---	48.48
GMW-48	04/13/12	75.03	---	27.48	---	47.55
GMW-48	01/10/13	75.03	---	28.77	---	46.26
GMW-48	04/03/13	75.03	---	28.77	---	46.26
GMW-48	10/02/13	75.03	---	29.45	---	45.58
GMW-48	04/09/14	75.03	---	29.90	---	45.13
GMW-48	04/17/14	75.03	---	29.82	---	45.21
GMW-48	10/27/14	75.03	---	30.17	---	44.86

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-48	04/20/15	75.03	---	30.50	---	44.53
GMW-48	04/13/16	75.03	---	NM	---	NC
GMW-48	10/03/16	---	---	37.03	---	NC
GMW-48	04/19/17	75.03	---	36.15	---	38.88
GMW-48	10/03/17	75.03	---	36.53	---	38.50
GMW-48	04/16/18	75.03	---	37.48	---	37.55
GMW-48	11/05/18	75.03	---	38.08	---	36.95
GMW-48	04/18/19	75.03	---	35.49	---	39.54
GMW-48	10/28/19	75.03	---	37.14	---	37.89
GMW-48	05/05/20	75.03	---	37.10	---	37.93
GMW-48	11/02/20	75.03	---	37.16	---	37.87
GMW-48	05/03/21	75.03	---	38.11	---	36.92
GMW-49	07/01/97	74.75	---	NM	0.60	NC
GMW-50	05/25/99	75.51	---	26.36	---	49.15
GMW-50	05/15/00	75.51	---	27.34	---	48.17
GMW-50	05/07/01	75.51	25.95	26.26	0.31	49.50
GMW-50	04/08/02	75.51	---	NM	---	NC
GMW-50	09/19/02	75.51	---	27.82	---	47.69
GMW-50	10/21/02	75.51	---	28.70	---	46.81
GMW-50	04/07/03	75.51	---	27.00	---	48.51
GMW-50	10/06/03	75.51	---	26.83	---	48.68
GMW-50	04/19/04	75.51	---	27.66	---	47.85
GMW-50	11/01/04	75.51	---	28.11	---	47.40
GMW-50	02/28/05	75.51	---	23.80	---	51.71
GMW-50	05/02/05	75.51	---	22.42	---	53.09
GMW-50	03/06/06	75.51	---	24.53	---	50.98
GMW-50	05/01/06	75.51	---	24.63	---	50.88
GMW-50	08/26/06	75.51	---	25.10	---	50.41
GMW-50	12/01/06	75.51	---	25.61	---	49.90
GMW-50	03/21/07	75.51	---	25.75	---	49.76
GMW-50	04/27/07	75.51	---	26.17	---	49.34
GMW-50	08/28/07	75.51	---	26.15	---	49.36
GMW-50	11/12/07	75.51	---	26.58	---	48.93
GMW-50	02/05/08	75.51	---	27.24	---	48.27
GMW-50	04/11/08	75.51	---	26.32	---	49.19
GMW-50	07/24/08	75.51	---	26.97	---	48.54
GMW-50	10/13/08	75.51	---	27.67	---	47.84
GMW-50	02/09/09	75.51	---	27.40	---	48.11
GMW-50	07/16/09	75.51	---	27.87	---	47.64
GMW-50	04/07/10	75.51	---	27.68	---	47.83
GMW-50	10/01/10	75.51	---	28.16	---	47.35
GMW-50	01/06/11	75.51	---	28.58	---	46.93
GMW-50	04/12/12	75.51	---	29.00	---	46.51
GMW-50	04/14/16	75.51	---	33.36	---	42.15
GMW-51	05/25/99	75.93	---	26.71	---	49.22
GMW-51	05/15/00	75.93	---	27.70	---	48.23
GMW-51	11/13/00	75.93	---	27.94	---	47.99
GMW-51	05/07/01	75.93	26.43	28.44	2.01	49.10

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-51	04/08/02	75.93	---	NM	---	NC
GMW-51	09/19/02	75.93	---	28.22	---	47.71
GMW-51	10/21/02	75.93	---	29.13	---	46.80
GMW-51	04/07/03	75.93	---	27.55	---	48.38
GMW-51	10/06/03	75.93	---	27.15	---	48.78
GMW-51	04/19/04	75.93	---	27.99	---	47.94
GMW-51	11/01/04	75.93	---	28.47	---	47.46
GMW-51	02/28/05	75.93	---	24.24	---	51.69
GMW-51	05/02/05	75.93	---	22.61	---	53.32
GMW-51	03/06/06	75.93	---	25.02	---	50.91
GMW-51	05/01/06	75.93	---	25.04	---	50.89
GMW-51	08/26/06	75.93	---	25.51	---	50.42
GMW-51	12/01/06	75.93	---	25.98	---	49.95
GMW-51	03/21/07	75.93	---	26.12	---	49.81
GMW-51	04/27/07	75.93	---	26.54	---	49.39
GMW-51	08/28/07	75.93	---	26.50	---	49.43
GMW-51	11/12/07	75.93	---	26.95	---	48.98
GMW-51	02/05/08	75.93	---	27.59	---	48.34
GMW-51	04/11/08	75.93	---	26.69	---	49.24
GMW-51	07/24/08	75.93	---	27.15	---	48.78
GMW-51	10/13/08	75.93	---	28.05	---	47.88
GMW-51	02/09/09	75.93	---	27.49	---	48.44
GMW-51	07/16/09	75.93	---	28.15	---	47.78
GMW-51	04/07/10	75.93	---	28.08	---	47.85
GMW-51	10/01/10	75.93	---	28.49	---	47.44
GMW-51	01/06/11	75.93	---	28.96	---	46.97
GMW-51	04/12/12	75.93	---	29.41	---	46.52
GMW-52	05/25/99	75.03	---	25.73	---	49.30
GMW-52	05/15/00	75.03	---	26.33	---	48.70
GMW-52	11/13/00	75.03	---	26.99	---	48.04
GMW-52	05/07/01	75.03	---	25.15	---	49.88
GMW-52	04/08/02	75.03	---	26.61	---	48.42
GMW-52	10/21/02	75.03	---	27.15	---	47.88
GMW-52	04/07/03	75.03	---	26.34	---	48.69
GMW-52	10/06/03	75.03	---	26.21	---	48.82
GMW-52	04/19/04	75.03	---	26.97	---	48.06
GMW-52	11/01/04	75.03	---	27.62	---	47.41
GMW-52	05/02/05	75.03	---	21.16	---	53.87
GMW-52	03/06/06	75.03	---	23.95	---	51.08
GMW-52	05/01/06	75.03	---	23.95	---	51.08
GMW-52	08/26/06	75.03	---	24.40	---	50.63
GMW-52	12/01/06	75.03	---	24.92	---	50.11
GMW-52	03/21/07	75.03	---	25.17	---	49.86
GMW-52	04/30/07	75.03	---	25.38	---	49.65
GMW-52	08/28/07	75.03	---	25.80	---	49.23
GMW-52	11/12/07	75.03	---	25.93	---	49.10
GMW-52	02/05/08	75.03	---	26.71	---	48.32
GMW-52	04/14/08	75.03	---	25.46	---	49.57

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-52	07/24/08	75.03	---	25.89	---	49.14
GMW-52	10/14/08	75.03	---	26.69	---	48.34
GMW-52	02/10/09	75.03	---	26.95	---	48.08
GMW-52	07/16/09	75.03	---	27.25	---	47.78
GMW-52	04/08/10	75.03	---	26.71	---	48.32
GMW-52	10/01/10	75.03	---	27.42	---	47.61
GMW-52	01/08/11	75.03	---	27.77	---	47.26
GMW-52	04/12/12	75.03	---	28.96	---	46.07
GMW-53	05/25/99	74.90	---	25.60	---	49.30
GMW-53	05/15/00	74.90	---	26.20	---	48.70
GMW-53	05/07/01	74.90	---	25.00	---	49.90
GMW-53	04/08/02	74.90	---	26.47	---	48.43
GMW-53	10/21/02	74.90	---	27.04	---	47.86
GMW-53	04/07/03	74.90	---	26.24	---	48.66
GMW-53	10/06/03	74.90	---	26.08	---	48.82
GMW-53	04/19/04	74.90	---	26.83	---	48.07
GMW-53	11/01/04	74.90	---	27.54	---	47.36
GMW-53	05/02/05	74.90	---	21.34	---	53.56
GMW-53	03/06/06	74.90	---	23.87	---	51.03
GMW-53	05/01/06	74.90	---	23.85	---	51.05
GMW-53	08/26/06	74.90	---	24.34	---	50.56
GMW-53	12/01/06	74.90	---	24.85	---	50.05
GMW-53	03/21/07	74.90	---	24.92	---	49.98
GMW-53	04/30/07	74.90	---	25.26	---	49.64
GMW-53	08/28/07	74.90	---	25.11	---	49.79
GMW-53	11/12/07	74.90	---	25.83	---	49.07
GMW-53	02/05/08	74.90	---	26.25	---	48.65
GMW-53	04/14/08	74.90	---	25.38	---	49.52
GMW-53	10/14/08	74.90	---	26.58	---	48.32
GMW-53	02/10/09	74.90	---	26.78	---	48.12
GMW-53	07/16/09	74.90	---	27.04	---	47.86
GMW-53	04/08/10	74.90	26.83	26.84	0.01	48.07
GMW-53	10/01/10	74.90	---	27.29	---	47.61
GMW-53	01/08/11	74.90	---	27.67	---	47.23
GMW-53	04/12/12	74.90	---	28.15	---	46.75
GMW-54	11/20/96	75.16	---	NM	0.79	NC
GMW-54	07/01/97	75.16	---	NM	0.55	NC
GMW-54	12/31/97	75.16	---	NM	0.47	NC
GMW-54	05/25/99	75.16	---	26.68	---	48.48
GMW-54	05/15/00	75.16	---	27.40	---	47.76
GMW-54	11/13/00	75.16	---	26.93	---	48.23
GMW-54	05/07/01	75.16	---	25.63	---	49.53
GMW-54	04/08/02	75.16	---	27.06	---	48.10
GMW-54	10/21/02	75.16	---	27.43	---	47.73
GMW-54	04/07/03	75.16	---	26.78	---	48.38
GMW-54	10/06/03	75.16	---	26.95	---	48.21
GMW-54	04/19/04	75.16	---	28.33	---	46.83
GMW-54	11/01/04	75.16	---	28.11	---	47.05

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-54	05/02/05	75.16	---	22.06	---	53.10
GMW-54	05/01/06	75.16	---	24.45	---	50.71
GMW-54	12/01/06	75.16	---	25.36	---	49.80
GMW-54	04/30/07	75.16	---	25.74	---	49.42
GMW-54	11/12/07	75.16	---	26.35	---	48.81
GMW-54	04/11/08	75.16	---	25.91	---	49.25
GMW-54	07/24/08	75.16	---	26.05	---	49.11
GMW-54	10/14/08	75.16	---	26.94	---	48.22
GMW-54	02/10/09	75.16	---	26.78	---	48.38
GMW-54	04/08/10	75.16	---	27.25	---	47.91
GMW-54	10/01/10	75.16	---	27.68	---	47.48
GMW-54	01/07/11	75.16	---	28.14	---	47.02
GMW-54	04/12/12	75.16	---	28.36	---	46.80
GMW-54	10/02/13	75.16	---	30.50	---	44.66
GMW-54	04/07/14	75.16	---	31.62	---	43.54
GMW-54	10/27/14	75.16	---	31.43	---	43.73
GMW-54	04/20/15	75.16	---	31.84	---	43.32
GMW-54	04/11/16	75.16	---	NM	---	NC
GMW-54	10/03/16	75.16	---	NM	---	NC
GMW-54	04/19/17	75.16	---	32.80	---	42.36
GMW-54	10/03/17	74.73	---	34.15	---	40.58
GMW-54	04/16/18	74.73	---	34.39	---	40.34
GMW-54	11/05/18	74.73	---	34.76	---	39.97
GMW-54	05/10/19	74.73	---	30.53	---	44.20
GMW-54	10/28/19	74.73	---	35.84	---	38.89
GMW-54	05/05/20	74.73	---	33.46	---	41.27
GMW-54	10/19/20	75.16	---	33.68	---	42.33
GMW-54	11/02/20	75.16	---	33.68	---	42.33
GMW-54	05/03/21	74.73	---	34.34	---	40.39
GMW-55	05/25/99	74.60	---	26.11	---	48.49
GMW-55	05/15/00	74.60	---	26.83	---	47.77
GMW-55	11/13/00	74.60	---	26.36	---	48.24
GMW-55	05/07/01	74.60	---	24.91	---	49.69
GMW-55	04/08/02	74.60	---	26.43	---	48.17
GMW-55	10/21/02	74.60	---	26.85	---	47.75
GMW-55	04/07/03	74.60	---	26.22	---	48.38
GMW-55	10/06/03	74.60	---	26.35	---	48.25
GMW-55	04/19/04	74.60	---	27.77	---	46.83
GMW-55	11/01/04	74.60	---	27.59	---	47.01
GMW-55	05/02/05	74.60	---	22.33	---	52.27
GMW-55	05/01/06	74.60	---	23.94	---	50.66
GMW-55	12/01/06	74.60	---	24.78	---	49.82
GMW-55	04/30/07	74.60	---	25.11	---	49.49
GMW-55	11/12/07	74.60	---	25.89	---	48.71
GMW-55	04/11/08	74.60	---	25.46	---	49.14
GMW-55	10/14/08	74.60	---	26.38	---	48.22
GMW-55	04/20/09	74.60	---	28.31	---	46.29
GMW-55	04/08/10	74.60	---	26.66	---	47.94

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-55	10/01/10	74.60	---	27.15	---	47.45
GMW-55	01/07/11	74.60	---	27.61	---	46.99
GMW-55	04/12/12	74.60	---	NM	---	NC
GMW-56	05/25/99	76.50	---	27.58	---	48.92
GMW-56	05/25/99	76.52	---	27.58	---	48.94
GMW-56	05/15/00	76.52	---	28.42	---	48.10
GMW-56	11/13/00	76.52	---	28.85	---	47.67
GMW-56	05/07/01	76.52	---	27.39	---	49.13
GMW-56	04/08/02	76.52	---	28.64	---	47.88
GMW-56	10/21/02	76.52	---	29.01	---	47.51
GMW-56	04/07/03	76.52	---	28.30	---	48.22
GMW-56	10/06/03	76.52	---	28.19	---	48.33
GMW-56	04/19/04	76.52	---	29.01	---	47.51
GMW-56	11/01/04	76.50	---	29.11	---	47.39
GMW-56	05/02/05	76.52	---	24.11	---	52.41
GMW-56	03/06/06	76.52	---	25.88	---	50.64
GMW-56	05/01/06	76.52	---	25.98	---	50.54
GMW-56	08/26/06	76.52	---	26.31	---	50.21
GMW-56	12/01/06	76.50	---	26.75	---	49.75
GMW-56	03/21/07	76.52	---	26.85	---	49.67
GMW-56	04/27/07	76.52	---	27.23	---	49.29
GMW-56	08/28/07	76.50	---	27.33	---	49.17
GMW-56	11/12/07	76.50	---	27.70	---	48.80
GMW-56	02/05/08	76.52	---	28.25	---	48.27
GMW-56	04/11/08	76.52	---	27.55	---	48.97
GMW-56	07/24/08	76.52	---	28.02	---	48.50
GMW-56	10/13/08	76.52	---	28.71	---	47.81
GMW-56	02/09/09	76.52	---	28.59	---	47.93
GMW-56	07/16/09	76.50	---	29.03	---	47.47
GMW-56	10/19/09	76.50	---	29.34	---	47.16
GMW-56	04/07/10	76.50	---	29.08	---	47.42
GMW-56	04/12/10	76.50	---	28.71	---	47.79
GMW-56	10/01/10	76.52	---	29.28	---	47.24
GMW-56	01/06/11	76.52	---	29.46	---	47.06
GMW-56	04/07/11	76.52	---	28.24	---	48.28
GMW-56	07/07/11	76.52	---	28.45	---	48.07
GMW-56	10/07/11	76.52	---	28.98	---	47.54
GMW-56	04/12/12	76.52	---	30.04	---	46.48
GMW-56	01/10/13	76.52	---	31.05	---	45.47
GMW-56	04/02/13	76.52	---	31.04	---	45.48
GMW-56	10/01/13	76.52	---	31.78	---	44.74
GMW-56	04/09/14	76.52	---	32.40	---	44.12
GMW-56	04/14/14	76.52	---	32.28	---	44.24
GMW-56	10/27/14	76.52	---	32.77	---	43.75
GMW-56	04/20/15	76.52	---	33.10	---	43.42
GMW-56	04/11/16	76.52	---	34.33	---	42.19
GMW-56	10/03/16	76.52	---	34.73	---	41.79
GMW-56	04/17/17	76.52	---	34.19	---	42.33

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-56	10/02/17	76.52	---	33.32	---	43.20
GMW-56	04/16/18	76.52	---	33.90	---	42.62
GMW-56	11/05/18	76.52	---	34.56	---	41.96
GMW-56	04/16/19	76.52	---	33.88	---	42.64
GMW-56	10/28/19	76.52	---	34.09	---	42.43
GMW-56	05/04/20	76.52	---	34.06	---	42.46
GMW-56	10/19/20	76.50	---	34.19	---	42.33
GMW-56	11/02/20	76.50	---	34.19	---	42.33
GMW-56	05/03/21	76.52	---	34.69	---	41.83
GMW-57	05/25/99	76.52	---	27.52	---	49.00
GMW-57	05/25/99	76.66	---	27.49	---	49.17
GMW-57	05/15/00	76.66	---	28.17	---	48.49
GMW-57	11/13/00	76.66	---	28.76	---	47.90
GMW-57	02/05/01	76.66	---	27.58	---	49.08
GMW-57	05/07/01	76.66	---	27.21	---	49.45
GMW-57	04/08/02	76.66	---	29.13	---	47.53
GMW-57	09/19/02	76.66	---	29.02	---	47.64
GMW-57	10/21/02	76.66	---	29.68	---	46.98
GMW-57	04/07/03	76.66	---	28.33	---	48.33
GMW-57	10/10/03	76.66	---	28.04	---	48.62
GMW-57	04/19/04	76.66	---	28.76	---	47.90
GMW-57	11/01/04	76.66	---	29.20	---	47.46
GMW-57	02/28/05	76.52	---	25.51	---	51.01
GMW-57	05/02/05	76.52	---	23.73	---	52.79
GMW-57	03/06/06	76.66	---	25.71	---	50.95
GMW-57	05/01/06	76.66	---	25.92	---	50.74
GMW-57	08/26/06	76.66	---	26.35	---	50.31
GMW-57	12/01/06	76.66	---	26.82	---	49.84
GMW-57	03/21/07	76.66	---	26.92	---	49.74
GMW-57	04/27/07	76.66	---	27.35	---	49.31
GMW-57	08/28/07	76.66	---	27.42	---	49.24
GMW-57	11/12/07	76.66	---	27.81	---	48.85
GMW-57	02/05/08	76.66	---	28.36	---	48.30
GMW-57	04/11/08	76.66	---	27.56	---	49.10
GMW-57	07/24/08	76.66	---	28.14	---	48.52
GMW-57	10/13/08	76.66	---	28.86	---	47.80
GMW-57	02/09/09	76.66	---	28.72	---	47.94
GMW-57	04/20/09	76.66	---	28.33	---	48.33
GMW-57	07/16/09	76.66	---	28.87	---	47.79
GMW-57	07/21/09	76.66	---	28.90	---	47.76
GMW-57	10/19/09	76.66	---	29.30	---	47.36
GMW-57	01/11/10	76.66	---	29.93	---	46.73
GMW-57	04/07/10	76.66	---	29.05	---	47.61
GMW-57	04/12/10	76.66	---	28.55	---	48.11
GMW-57	01/06/11	76.66	---	29.87	---	46.79
GMW-57	04/07/11	76.66	---	28.13	---	48.53
GMW-57	07/07/11	76.66	---	28.53	---	48.13
GMW-57	10/06/11	76.66	---	29.12	---	47.54

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-57	01/09/12	76.66	---	29.48	---	47.18
GMW-57	04/12/12	76.66	---	30.15	---	46.51
GMW-57	04/17/12	76.66	---	29.85	---	46.81
GMW-57	01/10/13	76.66	---	31.18	---	45.48
GMW-57	04/02/13	76.66	---	31.18	---	45.48
GMW-57	04/08/13	76.66	---	31.04	---	45.62
GMW-57	10/01/13	76.66	---	31.88	---	44.78
GMW-57	04/09/14	76.66	---	32.34	---	44.32
GMW-57	04/15/14	76.66	---	32.02	---	44.64
GMW-57	10/27/14	76.66	---	32.69	---	43.97
GMW-57	04/20/15	76.66	---	33.02	---	43.64
GMW-57	04/13/16	76.66	---	34.43	---	42.23
GMW-57	10/03/16	76.66	---	34.86	---	41.80
GMW-57	04/19/17	76.66	---	34.21	---	42.45
GMW-57	10/03/17	76.66	---	34.80	---	41.86
GMW-57	04/16/18	76.66	---	35.52	---	41.14
GMW-57	11/05/18	76.66	---	36.14	---	40.52
GMW-57	04/18/19	76.66	---	35.13	---	41.53
GMW-57	10/28/19	76.66	---	35.45	---	41.21
GMW-57	05/05/20	76.66	---	35.09	---	41.57
GMW-57	10/19/20	76.66	---	35.38	---	41.28
GMW-57	11/02/20	76.66	---	35.38	---	41.28
GMW-57	05/04/21	76.66	---	36.45	---	40.21
GMW-58	05/25/99	75.46	---	26.58	---	48.88
GMW-58	05/25/99	75.48	---	26.29	---	49.19
GMW-58	05/15/00	75.48	---	27.69	---	47.79
GMW-58	11/13/00	75.48	---	27.61	---	47.87
GMW-58	02/05/01	75.48	26.46	26.63	0.17	48.99
GMW-58	05/07/01	75.48	25.25	27.96	2.71	49.69
GMW-58	04/08/02	75.48	---	NM	---	NC
GMW-58	09/19/02	75.48	---	27.14	---	48.34
GMW-58	10/21/02	75.48	27.50	27.61	0.11	47.96
GMW-58	04/07/03	75.46	26.15	26.17	0.02	49.31
GMW-58	10/06/03	75.46	25.99	26.33	0.34	49.40
GMW-58	04/19/04	75.48	---	26.27	---	49.21
GMW-58	11/01/04	75.48	27.33	27.38	0.05	48.14
GMW-58	02/28/05	75.46	---	23.21	---	52.25
GMW-58	05/02/05	75.46	---	21.45	---	54.01
GMW-58	03/06/06	75.48	---	23.72	---	51.76
GMW-58	05/01/06	75.46	---	23.88	---	51.58
GMW-58	08/26/06	75.48	---	24.34	---	51.14
GMW-58	12/01/06	75.46	---	24.88	---	50.58
GMW-58	03/21/07	75.48	---	24.92	---	50.56
GMW-58	04/30/07	75.48	---	25.42	---	50.06
GMW-58	08/28/07	75.48	---	25.57	---	49.91
GMW-58	11/12/07	75.48	---	25.82	---	49.66
GMW-58	02/05/08	75.48	---	26.42	---	49.06
GMW-58	04/11/08	75.48	---	25.57	---	49.91

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-58	07/24/08	75.48	---	26.17	---	49.31
GMW-58	10/13/08	75.48	---	26.89	---	48.59
GMW-58	02/09/09	75.48	---	26.78	---	48.70
GMW-58	04/20/09	75.48	---	26.45	---	49.03
GMW-58	07/16/09	75.46	---	26.92	---	48.54
GMW-58	07/20/09	75.46	---	26.73	---	48.73
GMW-58	10/19/09	75.46	---	27.44	---	48.02
GMW-58	01/11/10	75.48	---	27.43	---	48.05
GMW-58	04/07/10	75.48	---	NM	---	NC
GMW-58	04/12/10	75.46	---	27.14	---	48.32
GMW-58	01/10/11	75.48	---	27.38	---	48.10
GMW-58	04/08/11	75.48	---	26.02	---	49.46
GMW-58	07/08/11	75.48	---	26.46	---	49.02
GMW-58	10/06/11	75.48	---	27.11	---	48.37
GMW-58	01/10/12	75.48	---	27.42	---	48.06
GMW-58	04/12/12	75.48	---	28.20	---	47.28
GMW-58	04/18/12	75.48	---	27.86	---	47.62
GMW-58	01/11/13	75.48	---	29.26	---	46.22
GMW-58	04/03/13	75.48	---	29.23	---	46.25
GMW-58	04/08/13	75.48	---	29.17	---	46.31
GMW-58	10/02/13	75.48	---	29.90	---	45.58
GMW-58	04/09/14	75.48	---	30.37	---	45.11
GMW-58	04/16/14	75.48	---	30.20	---	45.28
GMW-58	10/27/14	75.48	---	30.69	---	44.79
GMW-58	04/20/15	75.48	---	31.01	---	44.47
GMW-58	04/13/16	75.48	---	32.42	---	43.06
GMW-58	10/03/16	75.48	---	NM	---	NC
GMW-58	04/19/17	75.48	---	32.08	---	43.40
GMW-58	10/03/17	75.48	---	34.22	---	41.26
GMW-58	04/16/18	75.48	35.11	35.12	0.01	NC
GMW-58	11/05/18	75.48	35.69	35.71	0.02	NC
GMW-58	04/15/19	75.48	34.55	34.56	0.01	NC
GMW-58	10/30/19	75.48	---	35.01	---	40.47
GMW-58	05/05/20	75.48	---	34.01	---	41.47
GMW-58	11/02/20	75.46	---	34.72	---	40.76
GMW-58	05/03/21	75.48	---	35.93	---	39.55
GMW-59	05/25/99	75.28	25.68	26.87	1.19	49.36
GMW-59	05/25/99	75.28	25.68	26.92	1.24	49.35
GMW-59	05/15/00	75.28	26.18	28.35	2.17	48.67
GMW-59	11/13/00	75.28	---	27.23	---	48.05
GMW-59	05/07/01	75.28	---	NM	---	NC
GMW-59	04/08/02	75.28	---	NM	---	NC
GMW-59	09/19/02	75.28	---	26.04	---	49.24
GMW-59	10/21/02	75.28	---	26.74	---	48.54
GMW-59	04/07/03	75.28	25.59	25.60	0.01	49.69
GMW-59	10/06/03	75.28	---	25.32	---	49.96
GMW-59	04/19/04	75.28	---	26.12	---	49.16
GMW-59	11/01/04	75.28	---	26.45	---	48.83

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-59	02/28/05	75.28	---	22.28	---	53.00
GMW-59	05/02/05	75.28	---	20.59	---	54.69
GMW-59	03/06/06	75.28	---	22.97	---	52.31
GMW-59	05/01/06	75.28	---	23.05	---	52.23
GMW-59	08/26/06	75.28	---	23.54	---	51.74
GMW-59	12/01/06	75.28	---	24.20	---	51.08
GMW-59	03/21/07	75.28	---	24.26	---	51.02
GMW-59	04/30/07	75.28	---	24.72	---	50.56
GMW-59	08/28/07	75.28	---	24.92	---	50.36
GMW-59	11/12/07	75.28	---	24.98	---	50.30
GMW-59	02/05/08	75.28	---	25.98	---	49.30
GMW-59	04/11/08	75.28	---	25.06	---	50.22
GMW-59	07/24/08	75.28	---	25.49	---	49.79
GMW-59	10/13/08	75.28	---	26.19	---	49.09
GMW-59	02/09/09	75.28	---	26.05	---	49.23
GMW-59	04/20/09	75.28	---	25.70	---	49.58
GMW-59	07/16/09	75.28	---	26.20	---	49.08
GMW-59	07/20/09	75.28	---	26.55	---	48.73
GMW-59	10/19/09	75.28	---	26.93	---	48.35
GMW-59	01/11/10	75.28	---	27.20	---	48.08
GMW-59	04/07/10	75.28	---	26.12	---	49.16
GMW-59	04/12/10	75.28	---	26.15	---	49.13
GMW-59	01/06/11	75.28	---	27.18	---	48.10
GMW-59	04/07/11	75.28	---	25.20	---	50.08
GMW-59	07/07/11	75.28	---	25.69	---	49.59
GMW-59	10/06/11	75.28	---	26.35	---	48.93
GMW-59	01/10/12	75.28	---	26.80	---	48.48
GMW-59	04/12/12	75.28	27.55	27.56	0.01	47.73
GMW-59	04/20/12	75.28	---	27.28	---	48.00
GMW-59	01/10/13	75.28	---	28.60	---	46.68
GMW-59	04/03/13	75.28	---	28.62	---	46.66
GMW-59	04/08/13	75.28	---	29.02	---	46.26
GMW-59	10/01/13	75.28	---	29.35	---	45.93
GMW-59	04/09/14	75.28	---	29.65	---	45.63
GMW-59	04/17/14	75.28	---	29.65	---	45.63
GMW-59	10/27/14	75.28	---	29.92	---	45.36
GMW-59	04/20/15	75.28	---	30.26	---	45.02
GMW-59	04/13/16	75.28	---	31.77	---	43.51
GMW-59	10/03/16	75.28	---	32.24	---	43.04
GMW-59	04/19/17	75.28	---	31.45	---	43.83
GMW-59	10/03/17	75.28	---	32.03	---	43.25
GMW-59	04/16/18	75.28	---	33.22	---	42.06
GMW-59	11/05/18	75.28	---	33.97	---	41.31
GMW-59	04/18/19	75.28	---	31.26	---	44.02
GMW-59	10/28/19	75.28	---	32.61	---	42.67
GMW-59	05/05/20	75.28	---	32.48	---	42.80
GMW-59	10/19/20	75.28	---	32.57	---	42.71
GMW-59	11/02/20	75.28	---	32.57	---	42.71

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-59	05/04/21	75.28	---	33.25	---	42.03
GMW-60	11/01/04	76.24	---	28.70	---	47.54
GMW-60	02/28/05	76.24	---	24.90	---	51.34
GMW-60	05/02/05	76.24	---	23.04	---	53.20
GMW-60	03/06/06	76.24	---	25.30	---	50.94
GMW-60	05/01/06	76.24	---	25.54	---	50.70
GMW-60	08/26/06	76.24	---	25.87	---	50.37
GMW-60	12/01/06	76.24	---	26.34	---	49.90
GMW-60	03/21/07	76.24	---	26.75	---	49.49
GMW-60	04/27/07	76.24	---	26.94	---	49.30
GMW-60	08/28/07	76.24	---	27.03	---	49.21
GMW-60	11/12/07	76.24	---	27.41	---	48.83
GMW-60	02/05/08	76.24	---	27.92	---	48.32
GMW-60	04/11/08	76.24	---	27.05	---	49.19
GMW-60	07/24/08	76.24	---	27.64	---	48.60
GMW-60	10/13/08	76.24	---	28.46	---	47.78
GMW-60	02/09/09	76.24	---	28.27	---	47.97
GMW-60	04/20/09	76.24	---	28.21	---	48.03
GMW-60	07/16/09	76.24	---	28.37	---	47.87
GMW-60	07/20/09	76.24	---	28.61	---	47.63
GMW-60	10/19/09	76.24	---	28.81	---	47.43
GMW-60	01/11/10	76.24	---	29.53	---	46.71
GMW-60	04/07/10	76.24	---	28.54	---	47.70
GMW-60	04/12/10	76.24	---	28.04	---	48.20
GMW-60	01/08/11	76.24	---	29.09	---	47.15
GMW-60	04/08/11	76.24	---	27.53	---	48.71
GMW-60	07/07/11	76.24	---	28.02	---	48.22
GMW-60	10/06/11	76.24	---	28.65	---	47.59
GMW-60	01/10/12	76.24	---	28.46	---	47.78
GMW-60	04/12/12	76.24	---	29.65	---	46.59
GMW-60	04/20/12	76.24	---	29.47	---	46.77
GMW-60	01/11/13	76.24	---	30.65	---	45.59
GMW-60	04/03/13	76.24	---	30.62	---	45.62
GMW-60	04/08/13	76.24	---	31.28	---	44.96
GMW-60	10/01/13	76.24	---	31.35	---	44.89
GMW-60	04/09/14	76.24	---	31.78	---	44.46
GMW-60	04/17/14	76.24	---	31.42	---	44.82
GMW-60	10/27/14	76.24	---	32.15	---	44.09
GMW-60	04/20/15	76.24	---	32.42	---	43.82
GMW-60	04/13/16	76.24	---	33.91	---	42.33
GMW-60	10/03/16	76.24	---	34.37	---	41.87
GMW-60	04/18/17	76.24	---	32.92	---	43.32
GMW-60	10/03/17	76.24	---	34.21	---	42.03
GMW-60	04/16/18	76.24	---	35.03	---	41.21
GMW-60	11/05/18	76.24	---	35.70	---	40.54
GMW-60	04/16/19	76.24	---	35.61	---	40.63
GMW-60	10/28/19	76.24	---	34.85	---	41.39
GMW-60	05/04/20	76.24	---	34.44	---	41.80

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-60	10/19/20	76.24	---	34.72	---	41.52
GMW-60	11/02/20	76.24	---	34.72	---	41.52
GMW-60	05/03/21	76.24	---	35.53	---	40.71
GMW-61	11/01/04	75.60	---	28.02	---	47.58
GMW-61	02/28/05	75.60	---	23.81	---	51.79
GMW-61	05/02/05	75.60	---	22.18	---	53.42
GMW-61	03/06/06	75.60	---	24.53	---	51.07
GMW-61	05/01/06	75.60	---	24.64	---	50.96
GMW-61	08/26/06	75.60	---	25.13	---	50.47
GMW-61	12/01/06	75.60	---	25.60	---	50.00
GMW-61	03/21/07	75.60	---	26.01	---	49.59
GMW-61	04/27/07	75.60	---	26.25	---	49.35
GMW-61	08/28/07	75.60	---	26.21	---	49.39
GMW-61	11/12/07	75.60	---	26.67	---	48.93
GMW-61	02/05/08	75.60	---	27.17	---	48.43
GMW-61	04/11/08	75.60	---	26.29	---	49.31
GMW-61	07/24/08	75.60	---	27.01	---	48.59
GMW-61	10/13/08	75.60	---	27.73	---	47.87
GMW-61	02/09/09	75.60	---	27.56	---	48.04
GMW-61	04/20/09	75.60	---	27.14	---	48.46
GMW-61	07/16/09	75.60	---	27.69	---	47.91
GMW-61	07/20/09	75.60	---	27.84	---	47.76
GMW-61	10/19/09	75.60	---	28.22	---	47.38
GMW-61	01/11/10	75.60	---	28.81	---	46.79
GMW-61	04/07/10	75.60	---	27.67	---	47.93
GMW-61	04/12/10	75.60	---	27.22	---	48.38
GMW-61	01/08/11	75.60	---	28.37	---	47.23
GMW-61	04/08/11	75.60	---	26.68	---	48.92
GMW-61	07/07/11	75.60	---	27.23	---	48.37
GMW-61	10/06/11	75.60	---	27.92	---	47.68
GMW-61	01/10/12	75.60	---	28.41	---	47.19
GMW-61	04/12/12	75.60	---	29.06	---	46.54
GMW-61	04/19/12	75.60	---	28.71	---	46.89
GMW-61	01/11/13	75.60	---	30.05	---	45.55
GMW-61	04/03/13	75.60	---	30.11	---	45.49
GMW-61	04/08/13	75.60	---	30.01	---	45.59
GMW-61	10/02/13	75.60	---	30.70	---	44.90
GMW-61	04/09/14	75.60	---	31.11	---	44.49
GMW-61	04/17/14	75.60	---	30.78	---	44.82
GMW-61	10/27/14	75.60	---	31.39	---	44.21
GMW-61	04/20/15	75.60	---	31.72	---	43.88
GMW-61	04/13/16	75.60	---	33.20	---	42.40
GMW-61	10/03/16	76.24	---	33.72	---	42.52
GMW-61	04/19/17	75.60	---	33.65	---	41.95
GMW-61	10/03/17	75.60	---	33.46	---	42.14
GMW-61	04/16/18	75.60	---	34.51	---	41.09
GMW-61	11/05/18	75.60	---	34.99	---	40.61
GMW-61	04/18/19	75.60	---	32.91	---	42.69

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-61	10/28/19	75.60	---	34.54	---	41.06
GMW-61	05/05/20	75.60	---	34.06	---	41.54
GMW-61	11/02/20	75.60	---	34.04	---	41.56
GMW-61	05/03/21	75.60	---	34.47	---	41.13
GMW-62	07/02/07	76.34	---	27.03	---	49.31
GMW-62	02/05/08	76.34	---	27.79	---	48.55
GMW-62	04/14/08	76.34	---	26.87	---	49.47
GMW-62	07/24/08	76.34	---	27.98	---	48.36
GMW-62	10/14/08	76.34	---	28.24	---	48.10
GMW-62	02/10/09	76.34	---	28.31	---	48.03
GMW-62	04/20/09	76.34	---	27.94	---	48.40
GMW-62	07/17/09	76.34	---	28.15	---	48.19
GMW-62	07/21/09	76.34	---	28.30	---	48.04
GMW-62	10/19/09	76.34	---	29.00	---	47.34
GMW-62	01/11/10	76.34	---	29.51	---	46.83
GMW-62	04/12/10	76.34	---	28.24	---	48.10
GMW-62	01/10/11	76.34	28.78	29.08	0.30	47.50
GMW-62	04/07/11	76.34	26.89	28.57	1.68	49.11
GMW-62	07/07/11	76.34	28.03	28.14	0.11	48.29
GMW-62	10/06/11	76.34	28.45	29.39	0.94	47.70
GMW-62	01/09/12	76.34	28.97	29.02	0.05	47.36
GMW-62	04/12/12	76.34	29.58	29.68	0.10	46.74
GMW-62	04/18/12	76.34	29.40	29.46	0.06	46.93
GMW-62	01/11/13	76.34	---	30.62	---	45.72
GMW-62	04/03/13	76.34	30.42	31.36	0.94	45.73
GMW-62	04/08/13	76.34	30.35	32.13	1.78	45.63
GMW-62	10/02/13	76.34	31.00	32.33	1.33	45.07
GMW-62	04/09/14	76.34	31.02	33.50	2.48	44.82
GMW-62	04/15/14	76.34	31.02	33.71	2.69	44.78
GMW-62	10/27/14	76.34	32.14	37.77	5.63	43.07
GMW-62	04/20/15	76.34	32.97	32.98	0.01	43.37
GMW-62	04/11/16	76.34	34.39	34.40	0.01	41.95
GMW-62	10/03/16	76.34	34.72	34.73	0.01	NC
GMW-62	04/17/17	76.34	34.14	34.16	0.02	42.20
GMW-62	10/02/17	76.34	34.21	34.22	0.01	NC
GMW-62	04/16/18	76.34	35.29	35.30	0.01	NC
GMW-62	11/05/18	76.34	---	35.80	---	40.54
GMW-62	04/15/19	76.34	---	34.74	---	41.60
GMW-62	10/28/19	76.34	---	35.05	---	41.29
GMW-62	05/04/20	76.34	---	34.75	---	41.59
GMW-62	11/02/20	76.34	---	34.71	---	41.63
GMW-62	05/03/21	76.34	---	35.35	---	40.99
GMW-63	10/14/08	77.32	---	29.17	---	48.15
GMW-63	02/10/09	77.32	---	29.08	---	48.24
GMW-63	04/20/09	77.32	---	28.71	---	48.61
GMW-63	07/17/09	77.32	---	29.11	---	48.21
GMW-63	07/21/09	77.32	---	29.15	---	48.17
GMW-63	10/19/09	77.32	---	29.84	---	47.48

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-63	01/11/10	77.32	---	30.12	---	47.20
GMW-63	04/12/10	77.32	---	29.22	---	48.10
GMW-63	01/08/11	77.32	---	29.35	---	47.97
GMW-63	04/07/11	77.32	---	28.63	---	48.69
GMW-63	07/07/11	77.32	---	29.13	---	48.19
GMW-63	10/06/11	77.32	---	29.63	---	47.69
GMW-63	01/09/12	77.32	---	29.83	---	47.49
GMW-63	04/12/12	77.32	---	30.51	---	46.81
GMW-63	04/17/12	77.32	---	30.25	---	47.07
GMW-63	01/11/13	77.32	---	31.23	---	46.09
GMW-63	04/03/13	77.32	---	31.28	---	46.04
GMW-63	04/08/13	77.32	---	31.14	---	46.18
GMW-63	10/02/13	77.32	---	31.92	---	45.40
GMW-63	04/09/14	77.32	---	32.08	---	45.24
GMW-63	04/14/14	77.32	---	32.02	---	45.30
GMW-63	10/27/14	77.32	---	32.51	---	44.81
GMW-63	04/20/15	77.32	---	32.86	---	44.46
GMW-63	04/11/16	77.32	---	34.33	---	42.99
GMW-63	10/03/16	77.32	---	34.89	---	42.43
GMW-63	04/17/17	77.32	---	34.43	---	42.89
GMW-63	10/02/17	77.32	---	34.81	---	42.51
GMW-63	04/16/18	77.32	---	35.40	---	41.92
GMW-63	11/05/18	77.32	---	35.96	---	41.36
GMW-63	04/15/19	77.32	---	35.46	---	41.86
GMW-63	10/28/19	77.32	---	35.65	---	41.67
GMW-63	05/04/20	77.32	---	36.51	---	40.81
GMW-63	11/02/20	77.32	---	35.41	---	41.91
GMW-63	05/03/21	77.32	---	35.99	---	41.33
GMW-64	10/14/08	75.84	---	27.60	---	48.24
GMW-64	02/10/09	75.84	---	27.47	---	48.37
GMW-64	04/20/09	75.84	---	27.00	---	48.84
GMW-64	07/17/09	75.84	---	27.37	---	48.47
GMW-64	07/21/09	75.84	---	27.52	---	48.32
GMW-64	10/19/09	75.84	---	28.11	---	47.73
GMW-64	01/11/10	75.84	---	28.53	---	47.31
GMW-64	04/12/10	75.84	---	27.10	---	48.74
GMW-64	01/08/11	75.84	---	27.81	---	48.03
GMW-64	04/07/11	75.84	---	26.45	---	49.39
GMW-64	07/07/11	75.84	---	27.21	---	48.63
GMW-64	10/06/11	75.84	---	27.86	---	47.98
GMW-64	01/09/12	75.84	---	28.21	---	47.63
GMW-64	04/12/12	75.84	---	28.96	---	46.88
GMW-64	04/17/12	75.84	---	28.65	---	47.19
GMW-64	01/11/13	75.84	---	29.69	---	46.15
GMW-64	04/03/13	75.84	---	29.72	---	46.12
GMW-64	04/08/13	75.84	---	29.53	---	46.31
GMW-64	10/02/13	75.84	---	30.49	---	45.35
GMW-64	04/09/14	75.84	---	30.33	---	45.51

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-64	04/14/14	75.84	---	30.22	---	45.62
GMW-64	10/27/14	75.84	---	30.81	---	45.03
GMW-64	04/20/15	75.84	---	31.24	---	44.60
GMW-64	04/11/16	75.84	---	32.89	---	42.95
GMW-64	10/03/16	75.84	---	33.45	---	42.39
GMW-64	04/17/17	75.84	---	32.78	---	43.06
GMW-64	10/02/17	75.84	---	32.98	---	42.86
GMW-64	04/16/18	75.84	---	33.81	---	42.03
GMW-64	11/05/18	75.84	---	34.44	---	41.40
GMW-64	04/15/19	75.84	---	33.71	---	42.13
GMW-64	10/28/19	75.84	---	33.82	---	42.02
GMW-64	05/04/20	75.84	---	33.69	---	42.15
GMW-64	11/02/20	75.84	---	33.57	---	42.27
GMW-64	05/03/21	75.84	---	34.13	---	41.71
GMW-65	07/17/09	76.78	---	28.65	---	48.13
GMW-65	07/21/09	76.78	---	28.83	---	47.95
GMW-65	10/19/09	76.78	---	29.60	---	47.18
GMW-65	01/11/10	76.78	---	29.80	---	46.98
GMW-65	04/12/10	76.78	---	28.68	---	48.10
GMW-65	01/08/11	76.78	---	29.39	---	47.39
GMW-65	04/07/11	76.78	---	27.98	---	48.80
GMW-65	07/07/11	76.78	---	28.63	---	48.15
GMW-65	10/06/11	76.78	---	29.18	---	47.60
GMW-65	01/09/12	76.78	---	29.43	---	47.35
GMW-65	04/12/12	76.78	---	30.15	---	46.63
GMW-65	04/18/12	76.78	---	29.85	---	46.93
GMW-65	01/11/13	76.78	---	31.08	---	45.70
GMW-65	04/03/13	76.78	---	31.07	---	45.71
GMW-65	04/08/13	76.78	---	30.92	---	45.86
GMW-65	10/02/13	76.78	---	31.75	---	45.03
GMW-65	04/09/14	76.78	---	31.87	---	44.91
GMW-65	04/14/14	76.78	---	31.68	---	45.10
GMW-65	10/27/14	76.78	---	32.35	---	44.43
GMW-65	04/20/15	76.78	---	32.68	---	44.10
GMW-65	04/11/16	76.78	---	34.19	---	42.59
GMW-65	10/03/16	76.78	---	34.75	---	42.03
GMW-65	04/17/17	76.78	---	34.43	---	42.35
GMW-65	10/02/17	76.78	---	34.51	---	42.27
GMW-65	04/16/18	76.78	---	35.22	---	41.56
GMW-65	11/05/18	76.78	---	35.85	---	40.93
GMW-65	04/15/19	76.78	---	35.16	---	41.62
GMW-65	10/28/19	76.78	---	35.32	---	41.46
GMW-65	05/04/20	76.78	---	35.16	---	41.62
GMW-65	11/02/20	76.78	---	35.13	---	41.65
GMW-65	05/03/21	76.78	---	35.56	---	41.22
GMW-66	10/19/09	77.00	---	29.73	---	47.27
GMW-66	04/12/10	77.00	---	29.64	---	47.36
GMW-66	04/07/11	77.00	---	28.63	---	48.37

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-66	07/07/11	77.00	---	28.96	---	48.04
GMW-66	10/06/11	77.00	---	29.48	---	47.52
GMW-66	04/12/12	77.00	---	30.46	---	46.54
GMW-66	04/17/12	77.00	---	30.11	---	46.89
GMW-66	01/10/13	77.00	---	31.36	---	45.64
GMW-66	04/02/13	77.00	---	31.34	---	45.66
GMW-66	04/08/13	77.00	---	31.25	---	45.75
GMW-66	10/01/13	77.00	---	32.06	---	44.94
GMW-66	04/09/14	77.00	---	32.53	---	44.47
GMW-66	04/15/14	77.00	---	32.48	---	44.52
GMW-66	10/19/20	77.00	---	38.00	---	41.23
GMW-66	11/02/20	77.00	---	38.00	---	41.23
GMW-66R	10/03/16	79.23	---	37.35	---	41.88
GMW-66R	04/17/17	79.23	---	36.98	---	42.25
GMW-66R	10/03/17	79.23	---	37.34	---	41.89
GMW-66R	04/16/18	79.23	---	37.92	---	41.31
GMW-66R	11/05/18	79.23	---	38.53	---	40.70
GMW-66R	04/16/19	79.23	---	37.87	---	41.36
GMW-66R	10/28/19	79.23	---	38.05	---	41.18
GMW-66R	05/04/20	79.23	---	37.84	---	41.39
GMW-66R	05/03/21	79.23	---	38.41	---	40.82
GMW-67	04/11/16	76.00	---	33.53	---	42.47
GMW-67	10/03/16	76.00	---	34.05	---	41.95
GMW-67	04/17/17	76.00	---	33.44	---	42.56
GMW-67	10/02/17	76.00	---	33.76	---	42.24
GMW-67	04/16/18	76.00	---	34.61	---	41.39
GMW-67	11/05/18	76.00	---	35.22	---	40.78
GMW-67	04/15/19	76.00	---	34.36	---	41.64
GMW-67	10/28/19	76.00	---	34.57	---	41.43
GMW-67	05/04/20	76.00	---	34.39	---	41.61
GMW-67	11/02/20	76.00	---	34.41	---	41.59
GMW-67	05/03/21	76.00	---	34.96	---	41.04
GMW-68	04/11/16	75.52	---	33.06	---	42.46
GMW-68	10/03/16	75.52	32.80	35.80	3.00	NC
GMW-68	04/17/17	75.52	32.64	33.62	0.98	42.68
GMW-68	10/02/17	75.52	33.28	33.30	0.02	NC
GMW-68	04/16/18	75.52	34.10	34.53	0.43	NC
GMW-68	11/05/18	75.52	34.84	34.86	0.02	NC
GMW-68	04/15/19	75.52	33.78	33.79	0.01	NC
GMW-68	10/30/19	75.52	---	34.04	---	NC
GMW-68	05/05/20	75.52	33.54	33.55	0.01	41.98
GMW-68	11/02/20	75.52	33.86	33.80	-0.06	41.66
GMW-68	05/03/21	75.52	34.44	34.46	0.02	41.08
GMW-69	04/11/16	75.31	---	32.83	---	42.48
GMW-69	10/03/16	75.31	---	33.33	---	41.98
GMW-69	04/17/17	75.31	---	32.68	---	42.63
GMW-69	10/02/17	75.31	---	32.99	---	42.32
GMW-69	04/16/18	75.31	---	33.97	---	41.34

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-69	11/05/18	75.31	---	34.55	---	40.76
GMW-69	04/15/19	75.31	---	33.35	---	41.96
GMW-69	10/28/19	75.31	---	33.79	---	41.52
GMW-69	05/04/20	75.31	---	33.54	---	41.77
GMW-69	11/02/20	75.31	---	33.39	---	41.92
GMW-69	05/03/21	75.31	---	34.14	---	41.17
GMW-O-1	11/20/96	71.45	---	24.51	---	46.94
GMW-O-1	07/01/97	71.45	---	24.93	---	46.52
GMW-O-1	12/31/97	71.45	---	24.57	---	46.88
GMW-O-1	05/01/98	71.45	---	22.51	---	48.94
GMW-O-1	02/02/99	71.45	---	21.57	---	49.88
GMW-O-1	05/05/99	71.45	---	22.20	---	49.25
GMW-O-1	08/09/99	71.45	---	22.52	---	48.93
GMW-O-1	11/15/99	71.45	---	22.68	---	48.77
GMW-O-1	02/29/00	71.45	---	22.78	---	48.67
GMW-O-1	05/15/00	71.45	---	22.75	---	48.70
GMW-O-1	08/28/00	71.45	---	23.02	---	48.43
GMW-O-1	11/13/00	71.45	---	23.26	---	48.19
GMW-O-1	02/05/01	71.45	---	23.01	---	48.44
GMW-O-1	05/07/01	71.45	---	22.39	---	49.06
GMW-O-1	09/18/01	71.45	---	21.96	---	49.49
GMW-O-1	11/05/01	71.45	---	22.18	---	49.27
GMW-O-1	01/29/02	71.45	---	22.18	---	49.27
GMW-O-1	04/08/02	71.45	---	22.51	---	48.94
GMW-O-1	07/29/02	71.45	---	22.97	---	48.48
GMW-O-1	10/21/02	71.45	---	23.14	---	48.31
GMW-O-1	01/27/03	71.45	---	23.03	---	48.42
GMW-O-1	04/07/03	71.45	---	23.11	---	48.34
GMW-O-1	07/30/03	71.45	---	22.84	---	48.61
GMW-O-1	10/06/03	71.45	---	22.76	---	48.69
GMW-O-1	01/11/04	71.45	---	23.77	---	47.68
GMW-O-1	01/27/04	71.45	---	23.06	---	48.39
GMW-O-1	04/19/04	71.45	---	23.45	---	48.00
GMW-O-1	07/19/04	71.45	---	23.45	---	48.00
GMW-O-1	02/01/05	71.45	---	23.34	---	48.11
GMW-O-1	05/02/05	71.45	---	21.02	---	50.43
GMW-O-1	08/01/05	71.45	---	20.26	---	51.19
GMW-O-1	10/31/05	71.45	---	20.21	---	51.24
GMW-O-1	02/27/06	71.45	---	20.52	---	50.93
GMW-O-1	05/01/06	71.45	---	20.59	---	50.86
GMW-O-1	09/18/06	71.45	---	20.93	---	50.52
GMW-O-1	12/04/06	71.45	---	27.16	---	44.29
GMW-O-1	03/12/07	71.45	---	21.32	---	50.13
GMW-O-1	04/30/07	71.45	---	21.40	---	50.05
GMW-O-1	08/28/07	71.45	---	22.50	---	48.95
GMW-O-1	11/12/07	71.45	---	21.79	---	49.66
GMW-O-1	02/19/08	71.45	---	27.25	---	44.20
GMW-O-1	04/14/08	71.45	---	22.15	---	49.30

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-1	08/11/08	71.45	---	22.41	---	49.04
GMW-O-1	10/13/08	71.45	---	22.45	---	49.00
GMW-O-1	04/20/09	71.45	---	22.41	---	49.04
GMW-O-1	07/20/09	71.45	---	23.15	---	48.30
GMW-O-1	10/19/09	71.45	---	23.39	---	48.06
GMW-O-1	03/15/10	71.45	---	23.90	---	47.55
GMW-O-1	05/24/10	71.45	---	23.48	---	47.97
GMW-O-1	05/28/10	71.45	---	23.47	---	47.98
GMW-O-1	10/04/10	71.45	---	23.71	---	47.74
GMW-O-1	01/10/11	71.45	---	24.14	---	47.31
GMW-O-1	04/11/11	71.45	---	23.17	---	48.28
GMW-O-1	07/11/11	71.45	---	22.88	---	48.57
GMW-O-1	10/10/11	71.45	---	22.89	---	48.56
GMW-O-1	01/09/12	71.45	---	23.35	---	48.10
GMW-O-1	04/16/12	71.45	---	23.86	---	47.59
GMW-O-1	07/09/12	71.45	---	24.19	---	47.26
GMW-O-1	10/15/12	71.45	---	24.33	---	47.12
GMW-O-1	01/14/13	71.45	---	24.88	---	46.57
GMW-O-1	04/08/13	71.45	---	25.04	---	46.41
GMW-O-1	10/07/13	71.45	---	25.72	---	45.73
GMW-O-1	04/14/14	71.45	---	26.72	---	44.73
GMW-O-1	10/27/14	71.45	---	27.28	---	44.17
GMW-O-1	04/20/15	71.45	---	28.02	---	43.43
GMW-O-1	10/19/15	71.45	---	28.98	---	42.47
GMW-O-1	03/14/16	71.45	---	30.66	---	40.79
GMW-O-1	04/11/16	71.45	---	29.71	---	41.74
GMW-O-1	06/29/16	71.45	---	30.50	---	40.95
GMW-O-1	08/22/16	71.45	---	30.61	---	40.84
GMW-O-1	10/03/16	71.45	---	31.20	---	40.25
GMW-O-1	10/03/16	71.45	---	31.20	---	40.25
GMW-O-1	04/17/17	71.45	---	29.51	---	41.94
GMW-O-1	10/02/17	71.45	---	31.20	---	40.25
GMW-O-1	11/05/18	71.45	---	31.77	---	39.68
GMW-O-1	04/16/19	71.45	---	31.03	---	40.42
GMW-O-1	10/28/19	71.45	---	31.86	---	39.59
GMW-O-1	05/04/20	71.45	---	30.42	---	41.03
GMW-O-1	11/02/20	71.45	---	30.58	---	40.87
GMW-O-1	05/03/21	71.45	---	31.10	---	40.35
GMW-O-2	11/20/96	72.54	---	25.33	---	47.21
GMW-O-2	07/01/97	72.54	---	25.29	---	47.25
GMW-O-2	12/31/97	72.54	---	25.32	---	47.22
GMW-O-2	05/01/98	72.54	---	23.10	---	49.44
GMW-O-2	05/05/99	72.54	---	23.15	---	49.39
GMW-O-2	08/09/99	72.54	---	23.39	---	49.15
GMW-O-2	11/15/99	72.54	---	23.62	---	48.92
GMW-O-2	05/15/00	72.54	---	23.59	---	48.95
GMW-O-2	11/13/00	72.54	---	24.11	---	48.43
GMW-O-2	05/07/01	72.54	---	23.26	---	49.28

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-2	11/05/01	72.54	---	23.25	---	49.29
GMW-O-2	04/08/02	72.54	---	23.52	---	49.02
GMW-O-2	07/29/02	72.54	---	24.13	---	48.41
GMW-O-2	10/21/02	72.54	---	24.28	---	48.26
GMW-O-2	01/14/03	72.54	---	24.23	---	48.31
GMW-O-2	01/27/03	72.54	---	24.10	---	48.44
GMW-O-2	04/07/03	72.54	---	24.05	---	48.49
GMW-O-2	07/30/03	72.54	---	23.75	---	48.79
GMW-O-2	10/06/03	72.54	---	23.75	---	48.79
GMW-O-2	01/11/04	72.54	---	24.78	---	47.76
GMW-O-2	01/27/04	72.54	---	24.09	---	48.45
GMW-O-2	04/19/04	72.54	---	24.39	---	48.15
GMW-O-2	07/19/04	72.54	---	24.39	---	48.15
GMW-O-2	02/01/05	72.54	---	24.06	---	48.48
GMW-O-2	05/02/05	72.54	---	21.40	---	51.14
GMW-O-2	08/01/05	72.54	---	20.97	---	51.57
GMW-O-2	10/31/05	72.54	---	21.22	---	51.32
GMW-O-2	02/27/06	72.54	---	23.10	---	49.44
GMW-O-2	05/01/06	72.54	---	21.59	---	50.95
GMW-O-2	09/18/06	72.54	---	22.08	---	50.46
GMW-O-2	12/04/06	72.54	---	22.21	---	50.33
GMW-O-2	03/12/07	72.54	---	22.50	---	50.04
GMW-O-2	04/30/07	72.54	---	22.53	---	50.01
GMW-O-2	08/28/07	72.54	---	22.54	---	50.00
GMW-O-2	11/12/07	72.54	---	22.96	---	49.58
GMW-O-2	02/19/08	72.54	---	23.39	---	49.15
GMW-O-2	04/14/08	72.54	---	23.24	---	49.30
GMW-O-2	08/11/08	72.54	---	23.57	---	48.97
GMW-O-2	10/13/08	72.54	---	23.64	---	48.90
GMW-O-2	04/20/09	72.54	---	23.70	---	48.84
GMW-O-2	07/20/09	72.54	---	24.40	---	48.14
GMW-O-2	10/19/09	72.54	---	24.81	---	47.73
GMW-O-2	03/15/10	72.54	---	25.10	---	47.44
GMW-O-2	05/24/10	72.54	---	24.48	---	48.06
GMW-O-2	05/28/10	72.54	---	24.43	---	48.11
GMW-O-2	10/04/10	72.54	---	24.25	---	48.29
GMW-O-2	01/10/11	72.54	---	25.13	---	47.41
GMW-O-2	04/11/11	72.54	---	24.14	---	48.40
GMW-O-2	07/11/11	72.54	---	23.80	---	48.74
GMW-O-2	10/10/11	72.54	---	23.98	---	48.56
GMW-O-2	01/09/12	72.54	---	24.50	---	48.04
GMW-O-2	04/16/12	72.54	---	24.82	---	47.72
GMW-O-2	07/09/12	72.54	---	25.21	---	47.33
GMW-O-2	10/15/12	72.54	---	25.50	---	47.04
GMW-O-2	01/14/13	72.54	---	26.02	---	46.52
GMW-O-2	04/08/13	72.54	---	26.12	---	46.42
GMW-O-2	10/07/13	72.54	---	26.80	---	45.74
GMW-O-2	04/14/14	72.54	---	27.39	---	45.15

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-2	10/27/14	72.54	---	27.90	---	44.64
GMW-O-2	04/20/15	72.54	---	28.34	---	44.20
GMW-O-2	10/19/15	72.54	---	29.07	---	43.47
GMW-O-2	03/14/16	72.54	---	30.44	---	42.10
GMW-O-2	04/11/16	72.54	---	30.20	---	42.34
GMW-O-2	06/29/16	72.54	---	30.77	---	41.77
GMW-O-2	08/22/16	72.54	---	30.79	---	41.75
GMW-O-2	10/03/16	72.54	---	31.30	---	41.24
GMW-O-2	10/03/16	72.54	---	31.30	---	41.24
GMW-O-2	04/17/17	72.54	---	30.00	---	42.54
GMW-O-2	10/02/17	72.54	---	31.39	---	41.15
GMW-O-2	04/16/18	72.54	---	31.82	---	40.72
GMW-O-2	11/05/18	72.54	---	32.27	---	40.27
GMW-O-2	04/16/19	72.54	---	31.49	---	41.05
GMW-O-2	10/28/19	72.54	---	31.45	---	41.09
GMW-O-2	05/04/20	72.54	---	31.04	---	41.50
GMW-O-2	11/02/20	72.54	---	30.97	---	41.57
GMW-O-2	05/03/21	72.54	---	31.66	---	40.88
GMW-O-3	11/20/96	72.19	---	24.87	---	47.32
GMW-O-3	07/01/97	72.19	---	24.77	---	47.42
GMW-O-3	12/31/97	72.19	---	24.80	---	47.39
GMW-O-3	05/01/98	72.19	---	22.06	---	50.13
GMW-O-3	02/03/99	72.19	---	22.07	---	50.12
GMW-O-3	05/07/99	72.19	---	23.11	---	49.08
GMW-O-3	08/09/99	72.19	---	23.20	---	48.99
GMW-O-3	11/15/99	72.19	---	23.40	---	48.79
GMW-O-3	02/29/00	72.19	---	23.45	---	48.74
GMW-O-3	05/15/00	72.19	---	23.36	---	48.83
GMW-O-3	08/28/00	72.19	---	23.95	---	48.24
GMW-O-3	11/13/00	72.19	---	23.90	---	48.29
GMW-O-3	02/05/01	72.19	---	23.61	---	48.58
GMW-O-3	05/07/01	72.19	---	22.81	---	49.38
GMW-O-3	09/18/01	72.19	---	22.55	---	49.64
GMW-O-3	11/05/01	72.19	---	22.90	---	49.29
GMW-O-3	01/29/02	72.19	---	23.18	---	49.01
GMW-O-3	04/08/02	72.19	---	23.18	---	49.01
GMW-O-3	07/29/02	72.39	---	24.05	---	48.34
GMW-O-3	10/21/02	72.19	---	24.07	---	48.12
GMW-O-3	01/14/03	72.19	---	23.90	---	48.29
GMW-O-3	01/27/03	72.19	---	23.75	---	48.44
GMW-O-3	04/07/03	72.19	---	23.53	---	48.66
GMW-O-3	07/30/03	72.19	---	23.35	---	48.84
GMW-O-3	10/06/03	72.19	---	23.52	---	48.67
GMW-O-3	01/11/04	72.19	---	24.67	---	47.52
GMW-O-3	01/27/04	72.19	---	23.79	---	48.40
GMW-O-3	04/19/04	72.19	---	24.08	---	48.11
GMW-O-3	07/19/04	72.19	---	24.13	---	48.06
GMW-O-3	02/01/05	72.19	---	23.52	---	48.67

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-3	05/02/05	72.19	---	20.03	---	52.16
GMW-O-3	08/01/05	72.19	---	20.18	---	52.01
GMW-O-3	10/31/05	72.19	---	20.56	---	51.63
GMW-O-3	02/27/06	72.19	---	21.04	---	51.15
GMW-O-3	05/01/06	72.19	---	21.09	---	51.10
GMW-O-3	09/18/06	72.19	---	21.84	---	50.35
GMW-O-3	12/04/06	72.19	---	22.87	---	49.32
GMW-O-3	03/12/07	72.19	---	22.22	---	49.97
GMW-O-3	04/30/07	72.19	---	22.16	---	50.03
GMW-O-3	08/28/07	72.19	---	21.87	---	50.32
GMW-O-3	11/12/07	72.19	---	22.52	---	49.67
GMW-O-3	02/19/08	72.19	---	23.10	---	49.09
GMW-O-3	04/14/08	72.19	---	22.83	---	49.36
GMW-O-3	08/11/08	72.19	---	23.26	---	48.93
GMW-O-3	08/15/08	74.93	---	NM	---	NC
GMW-O-3	10/13/08	74.93	---	23.42	---	51.51
GMW-O-3	04/20/09	72.19	---	23.18	---	49.01
GMW-O-3	07/20/09	72.19	---	24.21	---	47.98
GMW-O-3	10/19/09	72.19	---	24.49	---	47.70
GMW-O-3	03/15/10	72.19	---	24.77	---	47.42
GMW-O-3	05/24/10	72.19	---	24.00	---	48.19
GMW-O-3	05/28/10	72.19	---	23.97	---	48.22
GMW-O-3	10/04/10	72.19	---	24.43	---	47.76
GMW-O-3	01/10/11	72.19	---	25.17	---	47.02
GMW-O-3	04/11/11	72.19	---	23.49	---	48.70
GMW-O-3	07/11/11	72.19	---	23.36	---	48.83
GMW-O-3	10/10/11	72.19	---	23.70	---	48.49
GMW-O-3	01/09/12	72.19	---	24.29	---	47.90
GMW-O-3	04/16/12	72.19	---	24.72	---	47.47
GMW-O-3	07/09/12	72.19	---	25.29	---	46.90
GMW-O-3	10/15/12	72.19	---	25.33	---	46.86
GMW-O-3	01/14/13	72.19	---	26.32	---	45.87
GMW-O-3	04/08/13	72.19	---	26.19	---	46.00
GMW-O-3	10/07/13	72.19	---	26.93	---	45.26
GMW-O-3	04/14/14	72.19	---	27.40	---	44.79
GMW-O-3	10/27/14	72.19	---	27.79	---	44.40
GMW-O-3	04/20/15	72.19	---	28.21	---	43.98
GMW-O-3	10/19/15	72.19	---	28.94	---	43.25
GMW-O-3	03/14/16	72.19	---	30.60	---	41.59
GMW-O-3	04/11/16	72.19	---	30.51	---	41.68
GMW-O-3	06/29/16	72.19	---	31.10	---	41.09
GMW-O-3	08/22/16	72.19	---	31.02	---	41.17
GMW-O-3	10/03/16	72.19	---	31.45	---	40.74
GMW-O-3	10/03/16	72.19	---	31.45	---	40.74
GMW-O-3	04/17/17	72.19	---	29.40	---	42.79
GMW-O-3	10/02/17	72.19	---	31.55	---	40.64
GMW-O-3	04/16/18	72.19	---	31.94	---	40.25
GMW-O-3	11/05/18	72.19	---	32.29	---	39.90

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-3	04/16/19	72.19	---	31.23	---	40.96
GMW-O-3	10/28/19	72.19	---	31.92	---	40.27
GMW-O-3	05/04/20	72.19	---	30.33	---	41.86
GMW-O-3	11/02/20	72.19	---	30.50	---	41.69
GMW-O-3	05/03/21	72.19	---	31.23	---	40.96
GMW-O-4	11/20/96	71.95	---	24.37	---	47.58
GMW-O-4	07/01/97	71.95	---	23.69	---	48.26
GMW-O-4	12/31/97	71.95	---	24.25	---	47.70
GMW-O-4	05/01/98	71.95	---	20.89	---	51.06
GMW-O-4	05/06/99	71.95	---	22.33	---	49.62
GMW-O-4	08/09/99	71.95	---	22.55	---	49.40
GMW-O-4	11/15/99	71.95	---	22.91	---	49.04
GMW-O-4	05/15/00	71.95	---	27.74	---	44.21
GMW-O-4	11/13/00	71.95	---	23.38	---	48.57
GMW-O-4	05/07/01	71.95	---	21.86	---	50.09
GMW-O-4	11/05/01	71.95	---	22.29	---	49.66
GMW-O-4	04/08/02	71.95	---	22.71	---	49.24
GMW-O-4	10/21/02	71.95	---	23.56	---	48.39
GMW-O-4	04/07/03	71.95	---	29.99	---	41.96
GMW-O-4	10/06/03	71.95	---	22.75	---	49.20
GMW-O-4	01/11/04	71.95	---	24.02	---	47.93
GMW-O-4	04/19/04	71.95	---	24.44	---	47.51
GMW-O-4	05/02/05	71.95	---	18.86	---	53.09
GMW-O-4	10/31/05	71.95	---	19.91	---	52.04
GMW-O-4	05/01/06	71.95	---	20.52	---	51.43
GMW-O-4	12/04/06	71.95	---	21.17	---	50.78
GMW-O-4	04/30/07	71.95	---	21.74	---	50.21
GMW-O-4	11/12/07	71.95	---	22.10	---	49.85
GMW-O-4	04/14/08	71.95	---	22.28	---	49.67
GMW-O-4	10/13/08	71.95	---	22.93	---	49.02
GMW-O-4	04/20/09	71.95	---	25.29	---	46.66
GMW-O-4	10/19/09	71.95	---	24.14	---	47.81
GMW-O-4	05/24/10	71.95	---	23.50	---	48.45
GMW-O-4	05/28/10	71.95	---	23.47	---	48.48
GMW-O-4	10/04/10	71.95	---	23.97	---	47.98
GMW-O-4	04/11/11	71.95	---	23.00	---	48.95
GMW-O-4	10/10/11	71.95	---	23.31	---	48.64
GMW-O-4	04/16/12	71.95	---	24.45	---	47.50
GMW-O-4	07/09/12	71.95	---	NM	---	NC
GMW-O-4	10/15/12	71.95	---	25.14	---	46.81
GMW-O-4	04/08/13	71.95	---	25.88	---	46.07
GMW-O-4	10/07/13	71.95	---	26.51	---	45.44
GMW-O-4	04/14/14	71.95	---	26.98	---	44.97
GMW-O-4	10/27/14	71.95	---	27.42	---	44.53
GMW-O-4	04/20/15	71.95	---	27.79	---	44.16
GMW-O-4	10/19/15	71.95	---	28.57	---	43.38
GMW-O-4	03/14/16	71.95	---	30.55	---	41.40
GMW-O-4	04/11/16	71.95	---	29.80	---	42.15

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-4	06/29/16	71.95	---	30.30	---	41.65
GMW-O-4	08/22/16	71.95	---	30.34	---	41.61
GMW-O-4	10/03/16	71.95	---	30.90	---	41.05
GMW-O-4	10/03/16	71.95	---	30.90	---	41.05
GMW-O-4	04/17/17	71.95	---	28.90	---	43.05
GMW-O-4	10/02/17	71.95	---	30.44	---	41.51
GMW-O-4	04/16/18	71.95	---	31.13	---	40.82
GMW-O-4	11/05/18	71.95	---	31.54	---	40.41
GMW-O-4	04/16/19	71.95	---	30.33	---	41.62
GMW-O-4	10/28/19	71.95	---	31.02	---	40.93
GMW-O-4	05/04/20	71.95	---	29.86	---	42.09
GMW-O-4	11/02/20	71.95	---	29.70	---	42.25
GMW-O-4	05/03/21	71.95	---	30.21	---	41.74
GMW-O-4 (MID)	11/20/96	72.24	---	31.86	---	40.38
GMW-O-4 (MID)	07/01/97	72.24	---	29.66	---	42.58
GMW-O-4 (MID)	12/31/97	72.24	---	29.41	---	42.83
GMW-O-4 (MID)	05/01/98	72.24	---	26.77	---	45.47
GMW-O-4 (MID)	05/06/99	72.24	---	27.34	---	44.90
GMW-O-4 (MID)	08/09/99	72.24	---	28.59	---	43.65
GMW-O-4 (MID)	11/15/99	72.24	---	28.91	---	43.33
GMW-O-4 (MID)	05/15/00	72.24	---	28.49	---	43.75
GMW-O-4 (MID)	11/13/00	72.24	---	29.82	---	42.42
GMW-O-4 (MID)	05/07/01	72.24	---	29.02	---	43.22
GMW-O-4 (MID)	11/05/01	72.24	---	30.00	---	42.24
GMW-O-4 (MID)	04/08/02	72.24	---	29.80	---	42.44
GMW-O-4 (MID)	10/21/02	72.24	---	31.10	---	41.14
GMW-O-4 (MID)	04/07/03	72.24	---	30.26	---	41.98
GMW-O-4 (MID)	10/06/03	72.24	---	31.12	---	41.12
GMW-O-4 (MID)	01/11/04	72.24	---	32.81	---	39.43
GMW-O-4 (MID)	04/19/04	72.24	---	37.77	---	34.47
GMW-O-4 (MID)	05/02/05	72.24	---	29.73	---	42.51
GMW-O-4 (MID)	10/31/05	72.24	---	30.04	---	42.20
GMW-O-4 (MID)	05/01/06	72.24	---	28.81	---	43.43
GMW-O-4 (MID)	12/04/06	72.24	---	29.09	---	43.15
GMW-O-4 (MID)	04/30/07	72.24	---	28.95	---	43.29
GMW-O-4 (MID)	11/12/07	72.24	---	29.34	---	42.90
GMW-O-4 (MID)	04/14/08	72.24	---	30.10	---	42.14
GMW-O-4 (MID)	10/13/08	72.24	---	31.40	---	40.84
GMW-O-4 (MID)	04/20/09	72.24	---	31.15	---	41.09
GMW-O-4 (MID)	10/19/09	72.24	---	32.71	---	39.53
GMW-O-4 (MID)	05/24/10	72.24	---	31.92	---	40.32
GMW-O-4 (MID)	05/28/10	72.24	---	31.95	---	40.29
GMW-O-4 (MID)	04/11/11	72.24	---	31.03	---	41.21
GMW-O-4 (MID)	10/10/11	72.24	---	31.36	---	40.88
GMW-O-4 (MID)	04/16/12	72.24	---	31.35	---	40.89
GMW-O-4 (MID)	07/09/12	72.24	---	NM	---	NC
GMW-O-4 (MID)	10/15/12	72.24	---	32.25	---	39.99
GMW-O-4 (MID)	04/08/13	72.24	---	32.81	---	39.43

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-4 (MID)	08/22/16	72.24	---	37.57	---	34.67
GMW-O-5	11/20/96	72.36	---	24.88	---	47.48
GMW-O-5	07/01/97	72.36	---	24.13	---	48.23
GMW-O-5	12/31/97	72.36	---	24.72	---	47.64
GMW-O-5	05/01/98	72.36	---	21.22	---	51.14
GMW-O-5	02/03/99	72.36	---	22.11	---	50.25
GMW-O-5	05/03/99	72.36	---	22.90	---	49.46
GMW-O-5	08/09/99	72.36	---	23.14	---	49.22
GMW-O-5	11/15/99	72.36	---	23.50	---	48.86
GMW-O-5	02/29/00	72.36	---	23.55	---	48.81
GMW-O-5	05/15/00	72.36	---	23.33	---	49.03
GMW-O-5	08/28/00	72.36	---	23.95	---	48.41
GMW-O-5	11/13/00	72.36	---	23.98	---	48.38
GMW-O-5	02/05/01	72.36	---	23.66	---	48.70
GMW-O-5	05/07/01	72.36	---	22.32	---	50.04
GMW-O-5	09/18/01	72.36	---	22.47	---	49.89
GMW-O-5	11/05/01	72.36	---	22.79	---	49.57
GMW-O-5	01/29/02	72.36	---	22.83	---	49.53
GMW-O-5	04/08/02	72.36	---	23.25	---	49.11
GMW-O-5	10/21/02	72.36	---	24.10	---	48.26
GMW-O-5	01/14/03	72.36	---	23.98	---	48.38
GMW-O-5	04/07/03	72.36	---	23.45	---	48.91
GMW-O-5	10/06/03	72.36	---	23.28	---	49.08
GMW-O-5	01/11/04	72.36	---	24.57	---	47.79
GMW-O-5	04/19/04	72.36	---	23.94	---	48.42
GMW-O-5	05/02/05	72.36	---	19.09	---	53.27
GMW-O-5	10/31/05	72.36	---	20.41	---	51.95
GMW-O-5	05/01/06	72.36	---	20.96	---	51.40
GMW-O-5	12/04/06	72.36	---	21.86	---	50.50
GMW-O-5	04/30/07	72.36	---	22.18	---	50.18
GMW-O-5	08/29/07	72.36	---	28.19	---	44.17
GMW-O-5	11/12/07	72.36	---	22.61	---	49.75
GMW-O-5	04/14/08	72.36	---	22.72	---	49.64
GMW-O-5	10/13/08	72.36	---	23.42	---	48.94
GMW-O-5	04/20/09	72.36	---	23.34	---	49.02
GMW-O-5	10/19/09	72.36	---	25.21	---	47.15
GMW-O-5	05/24/10	72.36	---	24.02	---	48.34
GMW-O-5	05/28/10	72.36	---	23.90	---	48.46
GMW-O-5	10/04/10	72.36	---	24.52	---	47.84
GMW-O-5	04/11/11	72.36	---	23.46	---	48.90
GMW-O-5	10/10/11	72.36	---	23.93	---	48.43
GMW-O-5	04/16/12	72.36	---	29.00	---	43.36
GMW-O-5	07/09/12	72.36	---	NM	---	NC
GMW-O-5	10/15/12	72.36	---	25.68	---	46.68
GMW-O-5	04/08/13	72.36	---	26.50	---	45.86
GMW-O-5	10/07/13	72.36	---	27.00	---	45.36
GMW-O-5	04/14/14	72.36	---	27.53	---	44.83
GMW-O-5	10/27/14	72.36	---	27.95	---	44.41

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-5	04/20/15	72.36	---	28.31	---	44.05
GMW-O-5	10/19/15	72.36	---	29.09	---	43.27
GMW-O-5	03/14/16	72.36	---	30.98	---	41.38
GMW-O-5	04/11/16	72.36	---	30.30	---	42.06
GMW-O-5	06/29/16	72.36	---	30.13	---	42.23
GMW-O-5	08/22/16	72.36	---	31.01	---	41.35
GMW-O-5	10/03/16	72.36	---	31.43	---	40.93
GMW-O-5	10/03/16	72.36	---	31.43	---	40.93
GMW-O-5	04/17/17	72.36	---	29.23	---	43.13
GMW-O-5	10/02/17	72.36	---	31.08	---	41.28
GMW-O-5	04/16/18	72.36	---	31.75	---	40.61
GMW-O-5	11/05/18	72.36	---	32.13	---	40.23
GMW-O-5	04/16/19	72.36	---	30.68	---	41.68
GMW-O-5	10/28/19	72.36	---	31.63	---	40.73
GMW-O-5	05/04/20	72.36	---	30.36	---	42.00
GMW-O-5	11/02/20	72.36	---	30.00	---	42.36
GMW-O-5	05/03/21	72.36	---	31.27	---	41.09
GMW-O-6	11/20/96	71.41	---	23.59	---	47.82
GMW-O-6	07/01/97	71.41	---	23.28	---	48.13
GMW-O-6	12/31/97	71.41	---	23.78	---	47.63
GMW-O-6	05/01/98	71.41	---	20.81	---	50.60
GMW-O-6	05/05/99	71.41	---	21.24	---	50.17
GMW-O-6	08/09/99	71.41	---	21.58	---	49.83
GMW-O-6	11/15/99	71.41	---	21.98	---	49.43
GMW-O-6	05/15/00	71.41	---	21.86	---	49.55
GMW-O-6	11/13/00	71.41	---	27.25	---	44.16
GMW-O-6	05/07/01	71.41	---	21.23	---	50.18
GMW-O-6	11/05/01	71.41	---	21.55	---	49.86
GMW-O-6	04/08/02	71.41	---	21.95	---	49.46
GMW-O-6	10/21/02	71.41	---	22.67	---	48.74
GMW-O-6	01/14/03	71.41	---	22.82	---	48.59
GMW-O-6	04/07/03	71.41	---	22.49	---	48.92
GMW-O-6	10/06/03	71.41	---	22.02	---	49.39
GMW-O-6	01/11/04	71.41	---	23.01	---	48.40
GMW-O-6	04/19/04	71.41	---	22.69	---	48.72
GMW-O-6	05/02/05	71.41	---	19.45	---	51.96
GMW-O-6	10/31/05	71.41	---	19.74	---	51.67
GMW-O-6	05/01/06	71.41	---	20.33	---	51.08
GMW-O-6	12/04/06	71.41	---	20.89	---	50.52
GMW-O-6	04/30/07	71.41	---	21.23	---	50.18
GMW-O-6	11/12/07	71.41	---	21.55	---	49.86
GMW-O-6	04/14/08	71.41	---	21.63	---	49.78
GMW-O-6	10/13/08	71.41	---	22.20	---	49.21
GMW-O-6	04/20/09	71.41	---	22.18	---	49.23
GMW-O-6	10/19/09	71.41	---	22.98	---	48.43
GMW-O-6	05/24/10	71.41	---	22.77	---	48.64
GMW-O-6	05/28/10	71.41	---	22.94	---	48.47
GMW-O-6	10/04/10	71.41	---	23.15	---	48.26

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-6	04/11/11	71.41	---	22.48	---	48.93
GMW-O-6	10/10/11	71.41	---	22.45	---	48.96
GMW-O-6	04/16/12	71.41	---	23.18	---	48.23
GMW-O-6	07/09/12	71.41	---	NM	---	NC
GMW-O-6	10/15/12	71.41	---	23.41	---	48.00
GMW-O-6	04/08/13	71.41	---	24.36	---	47.05
GMW-O-6	10/07/13	71.41	---	25.31	---	46.10
GMW-O-6	04/28/14	71.41	---	25.98	---	45.43
GMW-O-6	10/27/14	71.41	---	26.27	---	45.14
GMW-O-6	04/20/15	71.41	---	26.10	---	45.31
GMW-O-6	10/19/15	71.41	---	27.50	---	43.91
GMW-O-6	04/11/16	71.41	---	28.41	---	43.00
GMW-O-6	10/03/16	71.41	---	29.00	---	42.41
GMW-O-6	10/03/16	71.41	---	29.00	---	42.41
GMW-O-6	04/17/17	71.41	---	28.60	---	42.81
GMW-O-6	10/02/17	71.41	---	29.11	---	42.30
GMW-O-6	04/16/18	71.41	---	29.63	---	41.78
GMW-O-6	11/05/18	71.41	---	30.25	---	41.16
GMW-O-6	04/16/19	71.41	---	29.72	---	41.69
GMW-O-6	10/28/19	71.41	---	29.93	---	41.48
GMW-O-6	05/04/20	71.41	---	29.38	---	42.03
GMW-O-6	11/02/20	71.41	---	29.43	---	41.98
GMW-O-6	05/03/21	71.41	---	30.01	---	41.40
GMW-O-7	05/07/99	70.98	---	20.17	---	50.81
GMW-O-7	08/09/99	70.98	---	20.36	---	50.62
GMW-O-7	11/15/99	70.98	---	20.76	---	50.22
GMW-O-7	05/15/00	70.98	---	23.52	---	47.46
GMW-O-7	11/13/00	70.98	---	21.18	---	49.80
GMW-O-7	05/07/01	70.98	---	20.21	---	50.77
GMW-O-7	11/05/01	70.98	---	20.51	---	50.47
GMW-O-7	04/08/02	70.98	---	21.38	---	49.60
GMW-O-7	10/21/02	70.98	---	21.59	---	49.39
GMW-O-7	04/07/03	70.98	---	21.55	---	49.43
GMW-O-7	10/06/03	70.98	---	21.20	---	49.78
GMW-O-7	01/11/04	70.98	---	22.16	---	48.82
GMW-O-7	04/19/04	70.98	---	21.75	---	49.23
GMW-O-7	05/02/05	70.98	---	18.83	---	52.15
GMW-O-7	10/31/05	70.98	---	19.16	---	51.82
GMW-O-7	05/01/06	70.98	---	19.42	---	51.56
GMW-O-7	12/04/06	70.98	---	19.92	---	51.06
GMW-O-7	04/30/07	70.98	---	20.32	---	50.66
GMW-O-7	11/12/07	70.98	---	20.93	---	50.05
GMW-O-7	10/13/08	70.98	---	21.43	---	49.55
GMW-O-7	04/20/09	70.98	---	21.49	---	49.49
GMW-O-7	10/19/09	70.98	---	21.91	---	49.07
GMW-O-7	05/24/10	70.98	---	21.90	---	49.08
GMW-O-7	05/28/10	70.98	---	21.95	---	49.03
GMW-O-7	10/04/10	70.98	---	22.25	---	48.73

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-7	04/11/11	70.98	---	21.59	---	49.39
GMW-O-7	10/10/11	70.98	---	21.70	---	49.28
GMW-O-7	04/16/12	70.98	---	22.40	---	48.58
GMW-O-7	07/09/12	70.98	---	NM	---	NC
GMW-O-7	10/15/12	70.98	---	22.83	---	48.15
GMW-O-7	04/08/13	70.98	---	23.90	---	47.08
GMW-O-7	10/07/13	70.98	---	24.12	---	46.86
GMW-O-7	04/14/14	70.98	---	24.90	---	46.08
GMW-O-7	10/27/14	70.98	---	25.59	---	45.39
GMW-O-7	04/20/15	70.98	---	26.09	---	44.89
GMW-O-7	10/19/15	70.98	---	26.63	---	44.35
GMW-O-7	04/11/16	70.98	---	27.40	---	43.58
GMW-O-7	10/03/16	70.98	---	28.10	---	42.88
GMW-O-7	10/03/16	70.98	---	28.10	---	42.88
GMW-O-7	04/17/17	70.98	---	28.40	---	42.58
GMW-O-7	10/02/17	70.98	---	28.18	---	42.80
GMW-O-7	04/16/18	70.98	---	28.61	---	42.37
GMW-O-7	11/05/18	70.98	---	29.15	---	41.83
GMW-O-7	04/16/19	70.98	---	28.82	---	42.16
GMW-O-7	10/28/19	70.98	---	DRY	---	NC
GMW-O-7	05/04/20	70.98	---	28.52	---	42.46
GMW-O-7	11/02/20	70.98	---	28.59	---	42.39
GMW-O-7	05/03/21	70.98	---	29.30	---	41.68
GMW-O-8	11/20/96	70.91	---	23.49	---	47.42
GMW-O-8	07/01/97	70.91	---	23.25	---	47.66
GMW-O-8	12/31/97	70.91	---	23.89	---	47.02
GMW-O-8	05/01/98	70.91	---	21.52	---	49.39
GMW-O-8	05/03/99	70.91	---	21.00	---	49.91
GMW-O-8	08/09/99	70.91	---	21.20	---	49.71
GMW-O-8	11/15/99	70.91	---	21.48	---	49.43
GMW-O-8	05/15/00	70.91	---	21.60	---	49.31
GMW-O-8	11/13/00	70.91	---	29.81	---	41.10
GMW-O-8	05/07/01	70.91	---	21.30	---	49.61
GMW-O-8	11/05/01	70.91	---	21.13	---	49.78
GMW-O-8	04/08/02	70.91	---	21.36	---	49.55
GMW-O-8	10/21/02	70.91	---	22.00	---	48.91
GMW-O-8	01/14/03	70.91	---	22.25	---	48.66
GMW-O-8	04/07/03	70.91	---	22.19	---	48.72
GMW-O-8	10/06/03	70.91	---	21.76	---	49.15
GMW-O-8	01/11/04	70.91	---	22.58	---	48.33
GMW-O-8	04/19/04	70.91	---	22.33	---	48.58
GMW-O-8	05/02/05	70.91	---	20.09	---	50.82
GMW-O-8	10/31/05	70.91	---	19.38	---	51.53
GMW-O-8	05/01/06	70.91	---	19.77	---	51.14
GMW-O-8	12/04/06	70.91	---	20.17	---	50.74
GMW-O-8	04/30/07	70.91	---	20.54	---	50.37
GMW-O-8	11/12/07	70.91	---	20.91	---	50.00
GMW-O-8	04/14/08	70.91	---	21.27	---	49.64

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-8	10/13/08	70.91	---	21.57	---	49.34
GMW-O-8	04/20/09	70.91	---	21.80	---	49.11
GMW-O-8	10/19/09	70.91	---	22.41	---	48.50
GMW-O-8	05/24/10	70.91	---	22.50	---	48.41
GMW-O-8	05/28/10	70.91	---	22.41	---	48.50
GMW-O-8	10/04/10	70.91	---	22.60	---	48.31
GMW-O-8	04/11/11	70.91	---	22.24	---	48.67
GMW-O-8	10/10/11	70.91	---	21.71	---	49.20
GMW-O-8	04/16/12	70.91	---	22.54	---	48.37
GMW-O-8	07/09/12	70.91	---	NM	---	NC
GMW-O-8	10/15/12	70.91	---	22.87	---	48.04
GMW-O-8	04/08/13	70.91	---	23.64	---	47.27
GMW-O-8	10/07/13	70.91	---	24.53	---	46.38
GMW-O-8	04/14/14	70.91	---	25.21	---	45.70
GMW-O-8	10/27/14	70.91	---	25.74	---	45.17
GMW-O-8	04/20/15	70.91	---	26.39	---	44.52
GMW-O-8	10/19/15	70.91	---	27.53	---	43.38
GMW-O-8	04/11/16	70.91	---	28.47	---	42.44
GMW-O-8	10/03/16	70.91	---	29.51	---	41.40
GMW-O-8	10/03/16	70.91	---	29.51	---	41.40
GMW-O-8	04/17/17	70.91	---	29.20	---	41.71
GMW-O-8	10/02/17	70.91	---	29.85	---	41.06
GMW-O-8	04/16/18	70.91	---	30.23	---	40.68
GMW-O-8	11/05/18	70.91	---	30.70	---	40.21
GMW-O-8	04/16/19	70.91	---	30.10	---	40.81
GMW-O-8	10/28/19	70.91	---	30.55	---	40.36
GMW-O-8	05/04/20	70.91	---	29.93	---	40.98
GMW-O-8	11/02/20	70.91	---	29.81	---	41.10
GMW-O-8	05/03/21	70.91	---	30.42	---	40.49
GMW-O-9	11/20/96	73.50	---	26.53	---	46.97
GMW-O-9	07/01/97	73.50	---	26.90	---	46.60
GMW-O-9	12/31/97	73.50	---	26.30	---	47.20
GMW-O-9	05/01/98	73.50	---	24.05	---	49.45
GMW-O-9	05/04/99	73.50	---	24.39	---	49.11
GMW-O-9	08/09/99	73.50	---	24.96	---	48.54
GMW-O-9	11/15/99	73.50	---	24.91	---	48.59
GMW-O-9	05/15/00	73.50	---	24.93	---	48.57
GMW-O-9	11/13/00	73.50	---	25.61	---	47.89
GMW-O-9	05/07/01	73.50	---	24.54	---	48.96
GMW-O-9	11/05/01	73.50	---	24.55	---	48.95
GMW-O-9	04/08/02	73.50	---	30.07	---	43.43
GMW-O-9	10/21/02	73.50	---	25.62	---	47.88
GMW-O-9	04/07/03	73.50	---	25.13	---	48.37
GMW-O-9	10/06/03	73.50	---	24.92	---	48.58
GMW-O-9	01/11/04	73.50	---	26.12	---	47.38
GMW-O-9	04/19/04	73.50	---	25.74	---	47.76
GMW-O-9	05/02/05	73.50	---	22.61	---	50.89
GMW-O-9	10/31/05	73.50	---	22.14	---	51.36

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-9	05/05/06	73.50	---	23.61	---	49.89
GMW-O-9	12/04/06	73.50	---	23.84	---	49.66
GMW-O-9	04/30/07	73.50	---	23.52	---	49.98
GMW-O-9	11/12/07	73.50	---	23.94	---	49.56
GMW-O-9	04/14/08	73.50	---	24.31	---	49.19
GMW-O-9	10/13/08	73.50	---	24.71	---	48.79
GMW-O-9	04/20/09	73.50	---	24.86	---	48.64
GMW-O-9	10/19/09	73.50	---	25.86	---	47.64
GMW-O-9	05/24/10	73.50	---	25.57	---	47.93
GMW-O-9	05/28/10	73.50	---	25.50	---	48.00
GMW-O-9	10/04/10	73.50	---	25.89	---	47.61
GMW-O-9	01/10/11	73.50	---	26.69	---	46.81
GMW-O-9	04/11/11	73.50	---	25.17	---	48.33
GMW-O-9	07/11/11	73.50	---	NM	---	NC
GMW-O-9	10/10/11	73.50	---	25.16	---	48.34
GMW-O-9	01/09/12	73.50	---	26.02	---	47.48
GMW-O-9	04/16/12	73.50	---	26.13	---	47.37
GMW-O-9	07/09/12	73.50	---	26.91	---	46.59
GMW-O-9	10/15/12	73.50	---	26.74	---	46.76
GMW-O-9	01/14/13	73.50	---	26.82	---	46.68
GMW-O-9	04/08/13	73.50	---	27.63	---	45.87
GMW-O-9	10/07/13	73.50	---	28.31	---	45.19
GMW-O-9	04/14/14	73.50	---	28.81	---	44.69
GMW-O-9	10/27/14	73.50	---	29.24	---	44.26
GMW-O-9	04/20/15	73.50	---	29.75	---	43.75
GMW-O-9	10/19/15	73.50	---	30.33	---	43.17
GMW-O-9	03/14/16	73.50	---	31.88	---	41.62
GMW-O-9	04/11/16	73.50	---	31.62	---	41.88
GMW-O-9	06/29/16	73.50	---	31.41	---	42.09
GMW-O-9	08/22/16	73.50	---	32.66	---	40.84
GMW-O-9	10/03/16	73.50	---	33.03	---	40.47
GMW-O-9	10/03/16	73.50	---	33.03	---	40.47
GMW-O-9	04/17/17	73.50	---	31.25	---	42.25
GMW-O-9	10/02/17	73.50	---	33.25	---	40.25
GMW-O-9	04/16/18	73.50	---	33.56	---	39.94
GMW-O-9	11/05/18	73.50	---	33.98	---	39.52
GMW-O-9	04/16/19	73.50	---	32.94	---	40.56
GMW-O-9	10/28/19	73.50	---	34.58	---	38.92
GMW-O-9	05/04/20	73.50	---	32.06	---	41.44
GMW-O-9	11/02/20	73.50	---	32.16	---	41.34
GMW-O-9	05/03/21	73.50	---	32.83	---	40.67
GMW-O-10	11/20/96	73.98	---	27.10	---	46.88
GMW-O-10	07/01/97	73.98	---	28.23	---	45.75
GMW-O-10	12/31/97	73.98	---	27.94	---	46.04
GMW-O-10	05/01/98	73.98	---	24.56	---	49.42
GMW-O-10	05/07/99	73.98	---	25.10	---	48.88
GMW-O-10	08/09/99	73.98	---	26.10	---	47.88
GMW-O-10	11/15/99	73.98	---	25.67	---	48.31

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-10	11/13/00	73.98	---	26.54	---	47.44
GMW-O-10	05/07/01	73.98	---	25.23	---	48.75
GMW-O-10	11/05/01	73.98	---	25.22	---	48.76
GMW-O-10	04/08/02	73.98	---	25.35	---	48.63
GMW-O-10	10/21/02	73.98	---	26.39	---	47.59
GMW-O-10	04/07/03	73.98	---	25.64	---	48.34
GMW-O-10	07/30/03	73.98	---	25.60	---	48.38
GMW-O-10	10/06/03	73.98	---	25.67	---	48.31
GMW-O-10	01/11/04	73.98	---	26.96	---	47.02
GMW-O-10	04/19/04	73.98	---	26.60	---	47.38
GMW-O-10	05/02/05	73.98	---	23.71	---	50.27
GMW-O-10	10/31/05	73.98	---	22.65	---	51.33
GMW-O-10	05/05/06	73.98	---	22.33	---	51.65
GMW-O-10	12/04/06	73.98	---	23.24	---	50.74
GMW-O-10	04/30/07	73.98	---	24.07	---	49.91
GMW-O-10	11/12/07	73.98	---	24.45	---	49.53
GMW-O-10	04/14/08	73.98	---	24.83	---	49.15
GMW-O-10	08/11/08	73.98	---	25.22	---	48.76
GMW-O-10	10/13/08	73.98	---	25.25	---	48.73
GMW-O-10	04/20/09	73.98	---	25.58	---	48.40
GMW-O-10	10/19/09	73.98	---	26.72	---	47.26
GMW-O-10	05/24/10	73.98	---	26.92	---	47.06
GMW-O-10	05/28/10	73.98	---	29.10	---	44.88
GMW-O-10	10/04/10	73.98	---	26.48	---	47.50
GMW-O-10	01/10/11	73.98	---	27.30	---	46.68
GMW-O-10	04/11/11	73.98	---	25.72	---	48.26
GMW-O-10	07/11/11	73.98	---	NM	---	NC
GMW-O-10	10/10/11	73.98	---	26.29	---	47.69
GMW-O-10	01/09/12	73.98	---	26.82	---	47.16
GMW-O-10	04/16/12	73.98	---	26.90	---	47.08
GMW-O-10	07/09/12	73.98	---	27.81	---	46.17
GMW-O-10	10/15/12	73.98	---	28.40	---	45.58
GMW-O-10	01/14/13	73.98	---	28.57	---	45.41
GMW-O-10	04/08/13	73.98	---	26.31	---	47.67
GMW-O-10	10/07/13	73.98	---	29.17	---	44.81
GMW-O-10	04/14/14	73.98	---	29.48	---	44.50
GMW-O-10	10/27/14	73.98	---	29.93	---	44.05
GMW-O-10	04/20/15	73.98	---	30.52	---	43.46
GMW-O-10	10/19/15	73.98	---	31.17	---	42.81
GMW-O-10	03/14/16	73.98	---	32.65	---	41.33
GMW-O-10	04/11/16	73.98	---	32.23	---	41.75
GMW-O-10	06/29/16	73.98	---	32.20	---	41.78
GMW-O-10	08/22/16	73.98	---	34.18	---	39.80
GMW-O-10	10/03/16	73.98	---	33.13	---	40.85
GMW-O-10	10/03/16	73.98	---	33.13	---	40.85
GMW-O-10	04/17/17	73.98	---	31.47	---	42.51
GMW-O-10	10/02/17	73.98	---	34.96	---	39.02
GMW-O-10	11/05/18	73.98	---	34.82	---	39.16

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-10	04/16/19	73.98	---	33.86	---	40.12
GMW-O-10	10/28/19	73.98	---	35.00	---	38.98
GMW-O-10	05/04/20	73.98	---	32.53	---	41.45
GMW-O-10	11/02/20	73.98	---	32.73	---	41.25
GMW-O-10	05/03/21	73.98	---	33.41	---	40.57
GMW-O-11	04/08/02	74.17	---	23.96	---	50.21
GMW-O-11	04/07/03	74.17	---	NM	---	NC
GMW-O-11	10/06/03	74.17	---	NM	---	NC
GMW-O-11	01/11/04	74.17	---	NM	---	NC
GMW-O-11	04/19/04	74.17	---	27.40	---	46.77
GMW-O-11	05/02/05	74.17	22.46	22.48	0.02	51.71
GMW-O-11	10/31/05	74.17	21.73	21.92	0.19	52.40
GMW-O-11	05/01/06	74.17	---	21.51	---	52.66
GMW-O-11	12/04/06	74.17	---	22.38	---	51.79
GMW-O-11	04/30/07	74.17	23.90	23.91	0.01	50.27
GMW-O-11	11/12/07	74.17	---	24.40	---	49.77
GMW-O-11	08/15/08	74.17	---	29.30	---	44.87
GMW-O-11	10/17/08	74.17	---	24.45	---	49.72
GMW-O-11	12/19/08	74.17	---	24.85	---	49.32
GMW-O-11	01/15/09	74.17	24.38	26.87	2.49	49.29
GMW-O-11	02/24/09	74.17	24.21	24.31	0.10	49.94
GMW-O-11	03/27/09	74.17	---	31.08	---	43.09
GMW-O-11	04/21/09	74.17	25.34	25.36	0.02	48.83
GMW-O-11	07/21/09	74.17	---	26.18	---	47.99
GMW-O-11	10/19/09	74.17	---	NM	---	NC
GMW-O-11	11/06/09	74.17	26.18	26.33	0.15	47.96
GMW-O-11	10/04/10	74.17	---	30.00	---	44.17
GMW-O-11	04/13/11	74.17	---	24.19	---	49.98
GMW-O-11	10/10/11	74.17	---	24.38	---	49.79
GMW-O-11	04/16/12	74.17	---	NM	---	NC
GMW-O-11	07/09/12	74.17	---	NM	---	NC
GMW-O-11	10/15/12	74.17	---	28.12	---	46.05
GMW-O-11	04/08/13	74.17	---	NM	---	NC
GMW-O-11	09/24/13	74.17	28.15	31.25	3.10	45.40
GMW-O-11	10/07/13	74.17	27.69	31.19	3.50	45.78
GMW-O-11	04/25/14	74.17	28.62	28.96	0.34	45.48
GMW-O-11	09/05/14	74.17	27.89	31.13	3.24	45.63
GMW-O-11	09/11/14	74.17	27.85	31.12	3.27	45.67
GMW-O-11	09/18/14	74.17	27.85	31.22	3.37	45.65
GMW-O-11	09/26/14	74.17	27.91	31.34	3.43	45.57
GMW-O-11	10/01/14	74.17	27.84	31.19	3.35	45.66
GMW-O-11	10/06/14	74.17	27.84	32.19	4.35	45.46
GMW-O-11	10/14/14	74.17	28.85	31.18	2.33	44.85
GMW-O-11	10/23/14	74.17	27.85	31.34	3.49	45.62
GMW-O-11	10/27/14	74.17	28.89	31.28	2.39	44.80
GMW-O-11	11/03/14	74.17	27.83	32.34	4.51	45.44
GMW-O-11	11/10/14	74.17	27.97	31.46	3.49	45.50
GMW-O-11	11/18/14	74.17	27.88	31.41	3.53	45.58

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-11	11/25/14	74.17	27.87	31.48	3.61	45.58
GMW-O-11	12/03/14	74.17	29.95	33.34	3.39	43.54
GMW-O-11	12/12/14	74.17	29.08	33.25	4.17	44.26
GMW-O-11	12/19/14	74.17	28.09	32.52	4.43	45.19
GMW-O-11	04/22/15	74.17	28.10	31.54	3.44	45.38
GMW-O-11	10/22/15	74.17	29.23	33.08	3.85	44.17
GMW-O-11	03/16/16	74.17	33.16	33.39	0.23	40.96
GMW-O-11	04/12/16	74.17	33.12	33.33	0.21	41.01
GMW-O-11	06/30/16	74.17	---	31.50	---	42.67
GMW-O-11	08/22/16	74.17	32.74	32.75	0.01	41.43
GMW-O-11	10/06/16	74.17	32.71	32.72	0.01	41.46
GMW-O-11	10/06/16	74.17	32.71	32.72	0.01	NC
GMW-O-11	04/17/17	74.17	29.96	30.12	0.16	44.18
GMW-O-11	10/02/17	74.17	---	33.54	---	40.63
GMW-O-11	11/05/18	74.17	33.11	33.22	0.11	41.04
GMW-O-11	04/16/19	74.17	---	NM	---	NC
GMW-O-11	10/28/19	74.17	---	NM	---	NC
GMW-O-11	05/04/20	74.17	---	30.94	---	43.23
GMW-O-11	08/20/20	74.17	---	30.89	---	43.28
GMW-O-11	11/02/20	74.17	---	30.30	---	43.87
GMW-O-11	02/24/21	74.17	---	32.18	---	41.99
GMW-O-11	05/03/21	74.17	---	31.89	---	42.28
GMW-O-11	08/31/21	74.17	---	31.50	---	42.67
GMW-O-12	12/31/97	73.49	25.45	31.02	5.57	46.90
GMW-O-12	05/01/98	73.49	19.94	22.69	2.75	52.99
GMW-O-12	05/04/99	73.49	22.99	24.63	1.64	50.16
GMW-O-12	08/09/99	73.49	---	NM	---	NC
GMW-O-12	11/15/99	73.49	---	NM	---	NC
GMW-O-12	05/15/00	73.49	---	NM	---	NC
GMW-O-12	11/13/00	73.49	---	.70	---	72.79
GMW-O-12	05/07/01	73.49	---	22.28	---	51.21
GMW-O-12	05/10/01	73.49	---	24.25	---	49.24
GMW-O-12	11/05/01	73.49	---	22.63	---	50.86
GMW-O-12	04/08/02	73.49	---	23.81	---	49.68
GMW-O-12	04/07/03	73.49	---	NM	---	NC
GMW-O-12	10/06/03	73.49	---	24.82	---	48.67
GMW-O-12	01/11/04	73.49	---	NM	---	NC
GMW-O-12	04/19/04	73.49	---	26.91	---	46.58
GMW-O-12	05/02/05	73.49	---	21.79	---	51.70
GMW-O-12	10/31/05	73.49	---	26.67	---	46.82
GMW-O-12	05/01/06	73.49	---	21.80	---	51.69
GMW-O-12	12/04/06	73.49	---	22.58	---	50.91
GMW-O-12	04/30/07	73.49	---	22.81	---	50.68
GMW-O-12	11/12/07	73.49	---	23.13	---	50.36
GMW-O-12	04/14/08	73.49	---	23.36	---	50.13
GMW-O-12	10/13/08	73.49	---	24.20	---	49.29
GMW-O-12	04/20/09	73.49	---	24.21	---	49.28
GMW-O-12	10/19/09	73.49	---	25.08	---	48.41

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-12	05/24/10	73.49	---	24.80	---	48.69
GMW-O-12	05/28/10	73.49	---	24.74	---	48.75
GMW-O-12	10/04/10	73.49	25.20	25.31	0.11	48.27
GMW-O-12	01/10/11	73.49	26.32	26.42	0.10	47.15
GMW-O-12	04/11/11	73.49	---	24.04	---	49.45
GMW-O-12	07/11/11	73.49	---	NM	---	NC
GMW-O-12	10/10/11	73.49	---	24.68	---	48.81
GMW-O-12	01/09/12	73.49	---	25.12	---	48.37
GMW-O-12	04/16/12	73.49	---	25.40	---	48.09
GMW-O-12	07/09/12	73.49	---	26.96	---	46.53
GMW-O-12	10/15/12	73.49	25.44	25.48	0.04	48.04
GMW-O-12	01/14/13	73.49	25.58	25.62	0.04	47.90
GMW-O-12	04/08/13	73.49	26.51	26.60	0.09	46.96
GMW-O-12	09/24/13	73.49	27.74	27.90	0.16	45.72
GMW-O-12	10/07/13	73.49	27.28	27.34	0.06	46.20
GMW-O-12	04/14/14	73.49	26.80	30.34	3.54	45.96
GMW-O-12	05/06/14	73.49	26.74	30.93	4.19	45.89
GMW-O-12	05/12/14	73.49	26.82	30.81	3.99	45.85
GMW-O-12	05/20/14	73.49	27.32	31.78	4.46	45.26
GMW-O-12	05/27/14	73.49	26.78	33.04	6.26	45.43
GMW-O-12	06/04/14	73.49	27.75	33.00	5.25	44.66
GMW-O-12	06/10/14	73.49	26.81	34.53	7.72	45.10
GMW-O-12	07/03/14	73.49	26.94	34.27	7.33	45.05
GMW-O-12	07/08/14	73.49	26.87	33.87	7.00	45.19
GMW-O-12	07/18/14	73.49	27.07	33.36	6.29	45.13
GMW-O-12	07/24/14	73.49	26.98	33.00	6.02	45.28
GMW-O-12	08/01/14	73.49	26.83	31.80	4.97	45.64
GMW-O-12	08/08/14	73.49	26.91	31.26	4.35	45.69
GMW-O-12	08/13/14	73.49	26.88	31.18	4.30	45.73
GMW-O-12	08/19/14	73.49	26.86	31.01	4.15	45.78
GMW-O-12	08/29/14	73.49	26.89	31.03	4.14	45.75
GMW-O-12	09/05/14	73.49	26.88	31.19	4.31	45.73
GMW-O-12	09/18/14	73.49	26.82	31.30	4.48	45.75
GMW-O-12	09/26/14	73.49	26.89	31.33	4.44	45.69
GMW-O-12	10/01/14	73.49	26.85	31.21	4.36	45.75
GMW-O-12	10/06/14	73.49	29.84	31.20	1.36	43.37
GMW-O-12	10/14/14	73.49	26.86	31.14	4.28	45.75
GMW-O-12	10/23/14	73.49	26.85	31.30	4.45	45.73
GMW-O-12	10/27/14	73.49	26.90	31.28	4.38	45.69
GMW-O-12	11/03/14	73.49	26.84	32.30	5.46	45.53
GMW-O-12	11/10/14	73.49	26.91	31.45	4.54	45.65
GMW-O-12	11/18/14	73.49	26.90	32.34	5.44	45.47
GMW-O-12	11/25/14	73.49	27.87	31.57	3.70	44.86
GMW-O-12	12/03/14	73.49	28.81	33.87	5.06	43.64
GMW-O-12	12/19/14	73.49	26.97	32.78	5.81	45.33
GMW-O-12	04/20/15	73.49	26.91	33.35	6.44	45.26
GMW-O-12	04/22/15	73.49	26.91	33.35	6.44	45.26
GMW-O-12	05/21/15	73.49	27.35	34.31	6.96	44.71

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-12	05/29/15	73.49	27.24	34.15	6.91	44.83
GMW-O-12	06/02/15	73.49	27.27	34.00	6.73	44.84
GMW-O-12	06/05/15	73.49	27.50	34.00	6.50	44.66
GMW-O-12	06/12/15	73.49	27.35	33.96	6.61	44.78
GMW-O-12	06/19/15	73.49	27.58	33.98	6.40	44.60
GMW-O-12	06/26/15	73.49	28.15	33.97	5.82	44.15
GMW-O-12	07/02/15	73.49	28.20	33.83	5.63	44.14
GMW-O-12	07/07/15	73.49	27.93	33.60	5.67	44.40
GMW-O-12	07/17/15	73.49	27.85	33.57	5.72	44.47
GMW-O-12	07/24/15	73.49	28.25	33.15	4.90	44.24
GMW-O-12	07/29/15	73.49	28.10	33.02	4.92	44.38
GMW-O-12	08/11/15	73.49	28.90	33.00	4.10	43.75
GMW-O-12	08/18/15	73.49	28.23	32.65	4.42	44.35
GMW-O-12	08/28/15	73.49	28.17	32.41	4.24	44.45
GMW-O-12	09/01/15	73.49	28.65	33.18	4.53	43.91
GMW-O-12	09/25/15	73.49	28.03	34.69	6.66	44.09
GMW-O-12	10/16/15	73.49	27.83	34.63	6.80	44.27
GMW-O-12	10/19/15	73.49	27.82	34.65	6.83	44.27
GMW-O-12	10/30/15	73.49	28.11	39.38	11.27	43.07
GMW-O-12	03/14/16	73.49	31.60	32.40	0.80	41.73
GMW-O-12	04/11/16	73.49	26.86	33.35	6.49	45.30
GMW-O-12	06/29/16	73.49	33.10	33.90	0.80	40.23
GMW-O-12	08/22/16	73.49	31.07	33.56	2.49	41.91
GMW-O-12	10/03/16	73.49	31.90	34.20	2.30	41.12
GMW-O-12	10/03/16	73.49	31.90	34.20	2.30	NC
GMW-O-12	04/17/17	73.49	28.70	32.90	4.20	43.93
GMW-O-12	10/02/17	73.49	32.00	33.20	1.20	NC
GMW-O-12	04/16/18	73.49	31.89	33.04	1.15	41.36
GMW-O-12	11/05/18	73.49	32.31	32.65	0.34	41.11
GMW-O-12	04/16/19	73.49	31.21	31.62	0.41	42.20
GMW-O-12	10/28/19	73.49	---	32.45	---	NC
GMW-O-12	05/04/20	73.49	30.04	30.35	0.31	43.39
GMW-O-12	08/20/20	73.49	31.75	31.98	0.23	41.69
GMW-O-12	11/02/20	73.49	30.27	31.65	1.38	42.94
GMW-O-12	02/24/21	73.49	31.45	31.97	0.52	41.94
GMW-O-12	05/03/21	73.49	31.05	31.66	0.61	42.31
GMW-O-12	08/31/21	73.49	Sheen	25.89	Sheen	47.60
GMW-O-13	11/20/96	74.19	26.48	28.92	2.44	47.22
GMW-O-13	07/01/97	74.19	26.55	28.87	2.32	47.18
GMW-O-13	12/31/97	74.19	26.83	28.91	2.08	46.94
GMW-O-13	05/01/98	74.19	22.55	23.06	0.51	51.54
GMW-O-13	05/04/99	74.19	24.46	25.78	1.32	49.47
GMW-O-13	08/09/99	74.19	---	25.20	---	48.99
GMW-O-13	11/15/99	74.19	---	NM	---	NC
GMW-O-13	05/15/00	74.19	---	NM	---	NC
GMW-O-13	11/13/00	74.19	---	NM	---	NC
GMW-O-13	05/07/01	74.19	---	NM	---	NC
GMW-O-13	04/08/02	74.19	---	25.47	---	48.72

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-14	11/20/96	74.08	---	25.52	---	48.56
GMW-O-14	07/01/97	74.08	---	26.39	---	47.69
GMW-O-14	12/31/97	74.08	25.03	25.06	0.03	49.04
GMW-O-14	05/01/98	74.08	---	23.72	---	50.36
GMW-O-14	08/09/99	74.08	---	25.04	---	49.04
GMW-O-14	11/15/99	74.08	---	NM	---	NC
GMW-O-14	05/15/00	74.08	---	26.67	---	47.41
GMW-O-14	11/13/00	74.08	---	25.85	---	48.23
GMW-O-14	05/07/01	74.08	---	24.34	---	49.74
GMW-O-14	11/05/01	74.08	---	24.65	---	49.43
GMW-O-14	04/08/02	74.08	---	25.19	---	48.89
GMW-O-14	07/29/02	74.08	---	25.65	---	48.43
GMW-O-14	10/21/02	74.08	---	26.00	---	48.08
GMW-O-14	01/27/03	74.08	---	25.64	---	48.44
GMW-O-14	04/07/03	74.08	---	25.36	---	48.72
GMW-O-14	07/30/03	74.08	---	25.14	---	48.94
GMW-O-14	10/06/03	74.08	---	25.12	---	48.96
GMW-O-14	01/11/04	74.08	---	26.31	---	47.77
GMW-O-14	01/27/04	74.08	---	25.58	---	48.50
GMW-O-14	04/19/04	74.08	---	26.02	---	48.06
GMW-O-14	07/19/04	74.08	---	26.01	---	48.07
GMW-O-14	02/01/05	74.08	---	25.08	---	49.00
GMW-O-14	05/02/05	74.08	---	21.41	---	52.67
GMW-O-14	08/01/05	74.08	---	21.39	---	52.69
GMW-O-14	10/31/05	74.08	---	21.90	---	52.18
GMW-O-14	02/27/06	74.08	---	22.64	---	51.44
GMW-O-14	05/01/06	74.08	---	22.58	---	51.50
GMW-O-14	09/18/06	74.08	---	23.18	---	50.90
GMW-O-14	12/04/06	74.08	---	23.36	---	50.72
GMW-O-14	03/12/07	74.08	---	23.81	---	50.27
GMW-O-14	04/30/07	74.08	---	23.57	---	50.51
GMW-O-14	08/28/07	74.08	---	22.45	---	51.63
GMW-O-14	11/12/07	74.08	---	23.97	---	50.11
GMW-O-14	02/19/08	74.08	---	24.84	---	49.24
GMW-O-14	04/14/08	74.08	---	24.53	---	49.55
GMW-O-14	08/11/08	74.08	---	25.07	---	49.01
GMW-O-14	10/13/08	74.08	---	25.20	---	48.88
GMW-O-14	04/20/09	74.08	---	25.33	---	48.75
GMW-O-14	07/20/09	74.08	---	26.31	---	47.77
GMW-O-14	10/19/09	74.08	---	26.24	---	47.84
GMW-O-14	03/15/10	74.08	---	26.71	---	47.37
GMW-O-14	05/24/10	74.08	---	26.11	---	47.97
GMW-O-14	05/28/10	74.08	---	26.11	---	47.97
GMW-O-14	10/04/10	74.08	---	26.04	---	48.04
GMW-O-14	01/10/11	74.08	---	27.12	---	46.96
GMW-O-14	04/11/11	74.08	---	25.25	---	48.83
GMW-O-14	07/11/11	74.08	---	24.77	---	49.31
GMW-O-14	10/10/11	74.08	---	25.16	---	48.92

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-14	01/09/12	74.08	---	26.14	---	47.94
GMW-O-14	04/16/12	74.08	---	26.94	---	47.14
GMW-O-14	07/09/12	74.08	---	27.51	---	46.57
GMW-O-14	10/15/12	74.08	---	27.96	---	46.12
GMW-O-14	01/14/13	74.08	---	28.32	---	45.76
GMW-O-14	04/08/13	74.08	---	28.83	---	45.25
GMW-O-14	10/07/13	74.08	---	28.84	---	45.24
GMW-O-14	04/14/14	74.08	---	29.36	---	44.72
GMW-O-14	10/27/14	74.08	---	29.84	---	44.24
GMW-O-14	04/20/15	74.08	---	30.32	---	43.76
GMW-O-14	10/19/15	74.08	---	30.98	---	43.10
GMW-O-14	03/14/16	74.08	---	32.62	---	41.46
GMW-O-14	04/11/16	74.08	---	32.34	---	41.74
GMW-O-14	06/29/16	74.08	---	32.08	---	42.00
GMW-O-14	08/22/16	74.08	---	33.44	---	40.64
GMW-O-14	10/03/16	74.08	---	34.08	---	40.00
GMW-O-14	10/03/16	74.08	---	34.08	---	40.00
GMW-O-14	04/17/17	74.08	---	31.15	---	42.93
GMW-O-14	10/02/17	74.08	---	33.75	---	40.33
GMW-O-14	04/16/18	74.08	---	34.12	---	39.96
GMW-O-14	11/05/18	74.08	---	34.27	---	39.81
GMW-O-14	04/16/19	74.08	---	32.85	---	41.23
GMW-O-14	10/28/19	74.08	---	34.07	---	40.01
GMW-O-14	05/04/20	74.08	---	32.05	---	42.03
GMW-O-14	08/20/20	74.08	---	32.34	---	41.74
GMW-O-14	11/02/20	74.08	---	32.28	---	41.80
GMW-O-14	02/24/21	74.08	---	33.54	---	40.54
GMW-O-14	05/03/21	74.08	---	31.48	---	42.60
GMW-O-14	08/31/21	74.08	---	22.91	---	51.17
GMW-O-15	11/20/96	74.23	25.30	30.52	5.22	47.89
GMW-O-15	08/09/99	74.23	---	NM	---	NC
GMW-O-15	11/15/99	74.23	---	NM	---	NC
GMW-O-15	05/15/00	74.23	---	27.10	---	47.13
GMW-O-15	11/13/00	74.23	---	NM	---	NC
GMW-O-15	05/07/01	74.23	22.62	24.58	1.96	51.22
GMW-O-15	11/05/01	74.23	---	NM	---	NC
GMW-O-15	04/08/02	74.23	23.02	27.51	4.49	50.31
GMW-O-15	10/21/02	74.23	24.52	24.71	0.19	49.67
GMW-O-15	04/07/03	74.23	---	NM	---	NC
GMW-O-15	05/02/05	74.23	21.01	21.15	0.14	53.19
GMW-O-15	10/31/05	74.23	22.10	22.25	0.15	52.10
GMW-O-15	05/22/06	74.23	21.89	22.31	0.42	52.26
GMW-O-15	12/04/06	74.23	22.86	22.91	0.05	51.36
GMW-O-15	04/30/07	74.23	23.30	23.41	0.11	50.91
GMW-O-15	11/12/07	74.23	23.85	23.95	0.10	50.36
GMW-O-15	04/14/08	74.23	---	23.64	---	50.59
GMW-O-15	08/08/08	74.23	---	24.60	---	49.63
GMW-O-15	08/11/08	74.23	24.34	24.40	0.06	49.88

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-15	10/16/08	74.23	---	24.53	---	49.70
GMW-O-15	12/18/08	74.23	---	24.86	---	49.37
GMW-O-15	01/02/09	74.23	---	24.82	---	49.41
GMW-O-15	01/15/09	74.23	---	26.01	---	48.22
GMW-O-15	02/20/09	74.23	---	24.80	---	49.43
GMW-O-15	02/23/09	74.23	24.74	24.76	0.02	49.49
GMW-O-15	03/24/09	74.23	---	25.55	---	48.68
GMW-O-15	04/20/09	74.23	24.61	24.66	0.05	49.61
GMW-O-15	07/17/09	74.23	---	25.01	---	49.22
GMW-O-15	07/20/09	74.23	24.94	24.99	0.05	49.28
GMW-O-15	07/22/09	74.23	24.94	24.99	0.05	49.28
GMW-O-15	10/19/09	74.23	25.43	25.55	0.12	48.78
GMW-O-15	02/04/10	74.23	25.48	25.50	0.02	48.75
GMW-O-15	03/15/10	74.23	---	NM	---	NC
GMW-O-15	04/16/10	74.23	---	23.10	---	51.13
GMW-O-15	05/24/10	74.23	---	25.67	---	48.56
GMW-O-15	05/28/10	74.23	---	25.35	---	48.88
GMW-O-15	06/22/10	74.23	---	25.81	---	48.42
GMW-O-15	07/12/10	74.23	---	NM	---	NC
GMW-O-15	08/12/10	74.23	---	NM	---	NC
GMW-O-15	09/20/10	74.23	---	NM	---	NC
GMW-O-15	10/04/10	74.23	25.80	25.85	0.05	48.42
GMW-O-15	11/23/10	74.23	---	NM	---	NC
GMW-O-15	12/22/10	74.23	---	26.31	---	47.92
GMW-O-15	01/10/11	74.23	---	25.97	---	48.26
GMW-O-15	02/24/11	74.23	---	NM	---	NC
GMW-O-15	03/23/11	74.23	---	NM	---	NC
GMW-O-15	04/12/11	74.23	22.53	22.55	0.02	51.70
GMW-O-15	05/13/11	74.23	---	NM	---	NC
GMW-O-15	06/22/11	74.23	---	NM	---	NC
GMW-O-15	07/11/11	74.23	---	NM	---	NC
GMW-O-15	08/19/11	74.23	---	NM	---	NC
GMW-O-15	09/22/11	74.23	---	NM	---	NC
GMW-O-15	10/10/11	74.23	23.22	23.79	0.57	50.90
GMW-O-15	11/28/11	74.23	---	NM	---	NC
GMW-O-15	12/02/11	74.23	23.86	23.92	0.06	50.36
GMW-O-15	12/21/11	74.23	---	31.13	---	43.10
GMW-O-15	01/09/12	74.23	---	27.67	---	46.56
GMW-O-15	02/23/12	74.23	---	31.82	---	42.41
GMW-O-15	03/28/12	74.23	---	30.30	---	43.93
GMW-O-15	04/16/12	74.23	26.51	26.56	0.05	47.71
GMW-O-15	05/25/12	74.23	---	26.64	---	47.59
GMW-O-15	06/15/12	74.23	---	26.93	---	47.30
GMW-O-15	07/09/12	74.23	---	25.47	---	48.76
GMW-O-15	08/29/12	74.23	---	NM	---	NC
GMW-O-15	09/26/12	74.23	---	30.64	---	43.59
GMW-O-15	10/15/12	74.23	---	31.82	---	42.41
GMW-O-15	11/29/12	74.23	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-15	12/26/12	74.23	---	27.41	---	46.82
GMW-O-15	01/14/13	74.23	---	27.62	---	46.61
GMW-O-15	02/20/13	74.23	---	NM	---	NC
GMW-O-15	04/10/13	74.23	---	NM	---	NC
GMW-O-15	04/26/13	74.23	---	27.90	---	46.33
GMW-O-15	10/07/13	74.23	28.26	29.03	0.77	45.82
GMW-O-15	04/18/14	74.23	28.08	28.40	0.32	46.09
GMW-O-15	08/14/14	74.23	28.26	32.59	4.33	45.10
GMW-O-15	08/19/14	74.23	28.23	32.34	4.11	45.18
GMW-O-15	08/29/14	74.23	28.25	31.84	3.59	45.26
GMW-O-15	09/05/14	74.23	28.29	31.91	3.62	45.22
GMW-O-15	09/11/14	74.23	28.79	32.16	3.37	44.77
GMW-O-15	09/18/14	74.23	28.23	32.50	4.27	45.15
GMW-O-15	09/26/14	74.23	28.27	32.20	3.93	45.17
GMW-O-15	10/01/14	74.23	28.28	31.93	3.65	45.22
GMW-O-15	10/06/14	74.23	28.27	31.91	3.64	45.23
GMW-O-15	10/14/14	74.23	28.29	31.85	3.56	45.23
GMW-O-15	10/23/14	74.23	28.30	32.10	3.80	45.17
GMW-O-15	10/27/14	74.23	28.30	31.89	3.59	45.21
GMW-O-15	11/18/14	74.23	28.39	31.86	3.47	45.15
GMW-O-15	11/25/14	74.23	28.35	32.36	4.01	45.08
GMW-O-15	12/03/14	74.23	28.36	31.73	3.37	45.20
GMW-O-15	12/12/14	74.23	28.54	32.61	4.07	44.88
GMW-O-15	12/19/14	74.23	28.37	32.62	4.25	45.01
GMW-O-15	04/20/15	74.23	28.82	31.93	3.11	44.79
GMW-O-15	10/19/15	74.23	28.89	31.91	3.02	44.74
GMW-O-15	04/12/16	74.23	---	29.78	---	44.45
GMW-O-15	10/03/16	74.23	30.92	31.00	0.08	NC
GMW-O-15	10/04/16	74.23	30.92	31.00	0.08	43.29
GMW-O-15	04/20/17	74.86	29.52	29.65	0.13	45.31
GMW-O-15	10/02/17	74.23	30.33	31.92	1.59	NC
GMW-O-15	04/16/18	74.86	31.67	31.79	0.12	43.17
GMW-O-15	11/05/18	74.86	---	32.38	---	42.48
GMW-O-15	04/23/19	74.86	29.84	29.84	0.00	45.02
GMW-O-15	10/31/19	74.86	---	29.28	---	45.58
GMW-O-15	05/04/20	74.86	---	31.13	---	43.73
GMW-O-15	11/02/20	74.86	---	26.89	---	47.97
GMW-O-15	05/03/21	74.86	---	28.62	---	46.24
GMW-O-16	11/20/96	74.10	---	25.89	---	48.21
GMW-O-16	07/01/97	74.10	---	24.16	---	49.94
GMW-O-16	05/04/99	74.10	---	23.19	---	50.91
GMW-O-16	08/09/99	74.10	---	24.27	---	49.83
GMW-O-16	11/15/99	74.10	---	25.02	---	49.08
GMW-O-16	05/15/00	74.10	---	24.44	---	49.66
GMW-O-16	11/13/00	74.10	---	25.71	---	48.39
GMW-O-16	05/07/01	74.10	---	23.15	---	50.95
GMW-O-16	11/05/01	74.10	---	23.16	---	50.94
GMW-O-16	04/08/02	74.10	---	24.25	---	49.85

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-16	10/21/02	74.10	---	25.72	---	48.38
GMW-O-16	04/07/03	74.10	---	24.59	---	49.51
GMW-O-16	10/06/03	74.10	---	24.55	---	49.55
GMW-O-16	01/11/04	74.10	---	28.00	---	46.10
GMW-O-16	04/19/04	74.10	---	24.98	---	49.12
GMW-O-16	07/20/04	74.10	---	25.37	---	48.73
GMW-O-16	05/02/05	74.10	---	19.48	---	54.62
GMW-O-16	08/01/05	74.10	---	20.45	---	53.65
GMW-O-16	10/31/05	74.10	---	21.04	---	53.06
GMW-O-16	02/27/06	74.10	---	22.31	---	51.79
GMW-O-16	05/01/06	74.10	---	22.36	---	51.74
GMW-O-16	09/18/06	74.10	---	23.19	---	50.91
GMW-O-16	12/04/06	74.10	---	23.33	---	50.77
GMW-O-16	04/30/07	74.10	---	23.82	---	50.28
GMW-O-16	11/12/07	74.10	---	24.35	---	49.75
GMW-O-16	02/19/08	74.10	---	24.69	---	49.41
GMW-O-16	04/14/08	74.10	---	24.08	---	50.02
GMW-O-16	10/13/08	74.10	---	25.12	---	48.98
GMW-O-16	04/20/09	74.10	---	25.20	---	48.90
GMW-O-16	10/19/09	74.10	---	25.81	---	48.29
GMW-O-16	03/15/10	74.10	---	26.30	---	47.80
GMW-O-16	04/16/10	74.10	---	25.20	---	48.90
GMW-O-16	05/24/10	74.10	---	25.14	---	48.96
GMW-O-16	05/28/10	74.10	---	25.13	---	48.97
GMW-O-16	06/22/10	74.10	---	25.55	---	48.55
GMW-O-16	07/12/10	74.10	---	26.28	---	47.82
GMW-O-16	08/12/10	74.10	---	26.43	---	47.67
GMW-O-16	09/20/10	74.10	---	26.95	---	47.15
GMW-O-16	10/04/10	74.10	---	26.10	---	48.00
GMW-O-16	11/16/10	74.10	---	26.58	---	47.52
GMW-O-16	12/22/10	74.10	---	27.00	---	47.10
GMW-O-16	01/10/11	74.10	---	26.42	---	47.68
GMW-O-16	02/24/11	74.10	---	26.02	---	48.08
GMW-O-16	03/23/11	74.10	---	25.99	---	48.11
GMW-O-16	04/11/11	74.10	---	24.66	---	49.44
GMW-O-16	05/13/11	74.10	---	25.76	---	48.34
GMW-O-16	06/22/11	74.10	---	25.89	---	48.21
GMW-O-16	07/11/11	74.10	---	26.00	---	48.10
GMW-O-16	08/19/11	74.10	---	25.63	---	48.47
GMW-O-16	09/22/11	74.10	---	26.32	---	47.78
GMW-O-16	10/10/11	74.10	---	25.53	---	48.57
GMW-O-16	11/28/11	74.10	---	26.42	---	47.68
GMW-O-16	12/21/11	74.10	---	27.05	---	47.05
GMW-O-16	01/09/12	74.10	---	26.98	---	47.12
GMW-O-16	02/23/12	74.10	---	27.56	---	46.54
GMW-O-16	03/28/12	74.10	---	27.50	---	46.60
GMW-O-16	04/16/12	74.10	---	26.62	---	47.48
GMW-O-16	05/25/12	74.10	---	26.81	---	47.29

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-16	06/15/12	74.10	---	27.27	---	46.83
GMW-O-16	07/09/12	74.10	---	27.12	---	46.98
GMW-O-16	08/29/12	74.10	---	28.10	---	46.00
GMW-O-16	09/26/12	74.10	---	28.46	---	45.64
GMW-O-16	10/15/12	74.10	---	27.38	---	46.72
GMW-O-16	11/29/12	74.10	---	28.61	---	45.49
GMW-O-16	12/26/12	74.10	---	28.52	---	45.58
GMW-O-16	01/14/13	74.10	---	28.72	---	45.38
GMW-O-16	02/20/13	74.10	---	28.56	---	45.54
GMW-O-16	04/08/13	74.10	---	28.61	---	45.49
GMW-O-16	10/07/13	74.10	---	28.48	---	45.62
GMW-O-16	04/14/14	74.10	---	28.85	---	45.25
GMW-O-16	10/27/14	74.10	---	29.30	---	44.80
GMW-O-16	04/20/15	74.10	---	29.69	---	44.41
GMW-O-16	10/19/15	74.10	---	30.41	---	43.69
GMW-O-16	04/11/16	74.10	---	31.30	---	42.80
GMW-O-16	10/03/16	74.10	---	32.00	---	42.10
GMW-O-16	10/03/16	74.10	---	32.00	---	42.10
GMW-O-16	04/17/17	74.10	---	30.49	---	43.61
GMW-O-16	10/02/17	74.10	---	31.47	---	42.63
GMW-O-16	04/16/18	74.10	---	32.40	---	41.70
GMW-O-16	11/05/18	74.10	---	33.24	---	40.86
GMW-O-16	04/16/19	74.10	---	29.89	---	44.21
GMW-O-16	10/28/19	74.10	---	32.10	---	42.00
GMW-O-16	05/04/20	74.10	---	30.97	---	43.13
GMW-O-16	11/02/20	74.10	---	33.99	---	40.11
GMW-O-16	05/03/21	74.10	---	29.49	---	44.61
GMW-O-17	11/20/96	73.78	---	25.55	---	48.23
GMW-O-17	07/01/97	73.78	---	23.84	---	49.94
GMW-O-17	12/31/97	73.78	---	25.31	---	48.47
GMW-O-17	05/01/98	73.78	---	20.49	---	53.29
GMW-O-17	05/03/99	73.78	---	23.12	---	50.66
GMW-O-17	08/09/99	73.78	---	23.50	---	50.28
GMW-O-17	11/15/99	73.78	---	24.11	---	49.67
GMW-O-17	05/15/00	73.78	---	23.70	---	50.08
GMW-O-17	11/13/00	73.78	---	24.62	---	49.16
GMW-O-17	05/07/01	73.78	---	22.39	---	51.39
GMW-O-17	11/05/01	73.78	---	23.13	---	50.65
GMW-O-17	04/08/02	73.78	---	23.69	---	50.09
GMW-O-17	10/21/02	73.78	---	24.90	---	48.88
GMW-O-17	04/07/03	73.78	---	24.05	---	49.73
GMW-O-17	10/06/03	73.78	---	23.19	---	50.59
GMW-O-17	01/11/04	73.78	---	25.39	---	48.39
GMW-O-17	04/19/04	73.78	---	24.46	---	49.32
GMW-O-17	05/02/05	73.78	---	19.51	---	54.27
GMW-O-17	10/31/05	73.78	---	20.03	---	53.75
GMW-O-17	05/01/06	73.78	---	20.75	---	53.03
GMW-O-17	12/04/06	73.78	---	22.68	---	51.10

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-17	04/30/07	73.78	---	23.19	---	50.59
GMW-O-17	11/12/07	73.78	---	23.90	---	49.88
GMW-O-17	04/14/08	73.78	---	23.55	---	50.23
GMW-O-17	08/11/08	73.78	---	24.14	---	49.64
GMW-O-17	10/13/08	73.78	---	24.60	---	49.18
GMW-O-17	04/20/09	73.78	---	24.48	---	49.30
GMW-O-17	05/24/10	73.78	---	24.78	---	49.00
GMW-O-17	05/28/10	73.78	---	28.75	---	45.03
GMW-O-17	10/04/10	73.78	---	25.60	---	48.18
GMW-O-17	01/10/11	73.78	---	25.64	---	48.14
GMW-O-17	04/11/11	73.78	---	24.11	---	49.67
GMW-O-17	07/11/11	73.78	---	NM	---	NC
GMW-O-17	10/10/11	73.78	---	24.71	---	49.07
GMW-O-17	01/09/12	73.78	---	25.32	---	48.46
GMW-O-17	04/16/12	73.78	---	26.10	---	47.68
GMW-O-17	07/09/12	73.78	---	26.42	---	47.36
GMW-O-17	10/15/12	73.78	---	26.62	---	47.16
GMW-O-17	01/14/13	73.78	---	27.48	---	46.30
GMW-O-17	04/08/13	73.78	---	27.48	---	46.30
GMW-O-17	10/07/13	73.78	---	28.21	---	45.57
GMW-O-17	04/14/14	73.78	---	28.25	---	45.53
GMW-O-17	10/27/14	73.78	---	28.84	---	44.94
GMW-O-17	04/20/15	73.78	---	28.96	---	44.82
GMW-O-17	10/19/15	73.78	---	29.95	---	43.83
GMW-O-17	04/11/16	73.78	---	30.55	---	43.23
GMW-O-17	10/03/16	73.78	---	31.10	---	42.68
GMW-O-17	10/03/16	73.78	---	31.10	---	42.68
GMW-O-17	04/17/17	73.78	---	30.20	---	43.58
GMW-O-17	10/02/17	73.78	---	30.70	---	43.08
GMW-O-17	04/16/18	73.78	---	31.88	---	41.90
GMW-O-17	11/05/18	73.78	---	32.46	---	41.32
GMW-O-17	04/16/19	73.78	---	30.83	---	42.95
GMW-O-17	10/28/19	73.78	---	31.35	---	42.43
GMW-O-17	05/04/20	73.78	---	31.22	---	42.56
GMW-O-17	11/02/20	73.78	---	29.42	---	44.36
GMW-O-17	05/03/21	73.78	---	31.79	---	41.99
GMW-O-18	11/20/96	74.36	---	26.70	---	47.66
GMW-O-18	12/31/97	74.36	---	26.48	---	47.88
GMW-O-18	05/01/98	74.36	---	29.04	---	45.32
GMW-O-18	05/04/99	74.36	---	24.02	---	50.34
GMW-O-18	08/09/99	74.36	---	24.91	---	49.45
GMW-O-18	11/15/99	74.36	---	25.56	---	48.80
GMW-O-18	05/15/00	74.36	---	29.17	---	45.19
GMW-O-18	11/13/00	74.36	---	NM	---	NC
GMW-O-18	05/07/01	74.36	---	24.10	---	50.26
GMW-O-18	09/18/01	74.36	---	NM	---	NC
GMW-O-18	11/05/01	74.36	---	NM	---	NC
GMW-O-18	01/29/02	74.36	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-18	04/08/02	74.36	24.81	24.81	0.00	49.55
GMW-O-18	04/07/03	74.36	---	NM	---	NC
GMW-O-18	05/02/05	74.36	---	20.13	---	54.23
GMW-O-18	10/31/05	74.36	---	21.79	---	52.57
GMW-O-18	05/01/06	74.36	---	22.60	---	51.76
GMW-O-18	12/04/06	74.36	---	23.61	---	50.75
GMW-O-18	04/30/07	74.36	---	24.21	---	50.15
GMW-O-18	11/12/07	74.36	---	22.46	---	51.90
GMW-O-18	04/14/08	74.36	---	24.50	---	49.86
GMW-O-18	10/13/08	74.36	---	25.46	---	48.90
GMW-O-18	04/20/09	74.36	---	25.59	---	48.77
GMW-O-18	10/19/09	74.36	---	26.31	---	48.05
GMW-O-18	03/15/10	74.36	---	26.54	---	47.82
GMW-O-18	04/16/10	74.36	---	24.25	---	50.11
GMW-O-18	05/24/10	74.36	---	26.26	---	48.10
GMW-O-18	05/28/10	74.36	---	26.03	---	48.33
GMW-O-18	06/22/10	74.36	---	26.41	---	47.95
GMW-O-18	07/12/10	74.36	---	NM	---	NC
GMW-O-18	08/12/10	74.36	---	NM	---	NC
GMW-O-18	09/20/10	74.36	---	NM	---	NC
GMW-O-18	10/04/10	74.36	---	29.95	---	44.41
GMW-O-18	11/16/10	74.36	---	NM	---	NC
GMW-O-18	12/22/10	74.36	---	NM	---	NC
GMW-O-18	01/10/11	74.36	---	NM	---	NC
GMW-O-18	02/24/11	74.36	---	NM	---	NC
GMW-O-18	03/23/11	74.36	---	NM	---	NC
GMW-O-18	04/12/11	74.36	---	NM	---	NC
GMW-O-18	05/13/11	74.36	---	NM	---	NC
GMW-O-18	06/22/11	74.36	---	NM	---	NC
GMW-O-18	07/11/11	74.36	---	NM	---	NC
GMW-O-18	08/19/11	74.36	---	NM	---	NC
GMW-O-18	09/22/11	74.36	---	NM	---	NC
GMW-O-18	10/10/11	74.36	---	23.68	---	50.68
GMW-O-18	11/28/11	74.36	---	NM	---	NC
GMW-O-18	12/02/11	74.36	---	24.22	---	50.14
GMW-O-18	12/21/11	74.36	---	27.14	---	47.22
GMW-O-18	02/23/12	74.36	---	31.18	---	43.18
GMW-O-18	03/28/12	74.36	---	NM	---	NC
GMW-O-18	04/16/12	74.36	---	27.10	---	47.26
GMW-O-18	05/25/12	74.36	---	27.31	---	47.05
GMW-O-18	06/15/12	74.36	---	35.13	---	39.23
GMW-O-18	07/09/12	74.36	---	29.51	---	44.85
GMW-O-18	08/29/12	74.36	---	NM	---	NC
GMW-O-18	09/26/12	74.36	---	30.83	---	43.53
GMW-O-18	10/15/12	74.36	---	29.73	---	44.63
GMW-O-18	11/29/12	74.36	---	NM	---	NC
GMW-O-18	12/26/12	74.36	---	28.87	---	45.49
GMW-O-18	01/14/13	74.36	---	28.92	---	45.44

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-18	02/20/13	74.36	---	NM	---	NC
GMW-O-18	04/10/13	74.36	---	28.10	---	46.26
GMW-O-18	10/07/13	74.36	---	26.67	---	47.69
GMW-O-18	04/18/14	74.36	29.37	29.43	0.06	44.98
GMW-O-18	08/14/14	74.36	29.45	29.87	0.42	44.83
GMW-O-18	08/19/14	74.36	29.58	29.97	0.39	44.70
GMW-O-18	08/29/14	74.36	29.34	29.77	0.43	44.93
GMW-O-18	09/11/14	74.36	29.61	29.96	0.35	44.68
GMW-O-18	09/18/14	74.36	29.56	29.95	0.39	44.72
GMW-O-18	09/26/14	74.36	29.55	29.97	0.42	44.73
GMW-O-18	10/01/14	74.36	29.52	29.90	0.38	44.76
GMW-O-18	10/06/14	74.36	29.56	29.94	0.38	44.72
GMW-O-18	10/14/14	74.36	29.58	29.94	0.36	44.71
GMW-O-18	10/23/14	74.36	29.62	30.00	0.38	44.66
GMW-O-18	10/27/14	74.36	29.52	29.95	0.43	44.75
GMW-O-18	04/20/15	74.36	---	28.53	---	45.83
GMW-O-18	10/19/15	74.36	---	30.90	---	43.46
GMW-O-18	04/12/16	74.36	---	31.63	---	42.73
GMW-O-18	12/13/16	74.36	31.01	35.95	4.94	NC
GMW-O-18	04/17/17	74.32	31.80	31.83	0.03	42.52
GMW-O-18	10/02/17	74.36	31.30	31.32	0.02	NC
GMW-O-18	11/05/18	74.32	32.90	33.03	0.13	41.29
GMW-O-18	04/16/19	74.32	---	30.89	---	43.43
GMW-O-18	10/28/19	74.32	---	32.05	---	42.27
GMW-O-18	05/04/20	74.32	---	31.68	---	42.64
GMW-O-18	11/02/20	74.32	---	27.25	---	47.07
GMW-O-18	05/03/21	74.32	---	29.77	---	44.55
GMW-O-19	11/20/96	74.46	---	26.28	---	48.18
GMW-O-19	07/01/97	74.46	---	24.70	---	49.76
GMW-O-19	12/31/97	74.46	---	25.92	---	48.54
GMW-O-19	08/09/99	74.46	---	24.09	---	50.37
GMW-O-19	11/15/99	74.46	---	24.82	---	49.64
GMW-O-19	05/15/00	74.46	---	24.43	---	50.03
GMW-O-19	11/13/00	74.46	---	DRY	---	NC
GMW-O-19	05/07/01	74.46	---	NM	---	NC
GMW-O-19	09/18/01	74.46	---	23.07	---	51.39
GMW-O-19	11/05/01	74.46	---	23.15	---	51.31
GMW-O-19	01/29/02	74.46	---	23.25	---	51.21
GMW-O-19	04/08/02	74.46	---	23.16	---	51.30
GMW-O-19	10/21/02	74.46	---	23.34	---	51.12
GMW-O-19	04/07/03	74.46	---	23.50	---	50.96
GMW-O-19	07/30/03	74.46	---	24.29	---	50.17
GMW-O-19	10/06/03	74.46	---	24.54	---	49.92
GMW-O-19	01/11/04	74.46	---	26.02	---	48.44
GMW-O-19	04/19/04	74.46	---	25.04	---	49.42
GMW-O-19	07/20/04	74.46	---	25.35	---	49.11
GMW-O-19	05/02/05	74.46	---	20.05	---	54.41
GMW-O-19	08/01/05	74.46	---	20.82	---	53.64

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-19	10/31/05	74.46	---	21.36	---	53.10
GMW-O-19	02/27/06	74.46	---	22.06	---	52.40
GMW-O-19	05/01/06	74.46	---	22.35	---	52.11
GMW-O-19	12/04/06	74.46	---	23.32	---	51.14
GMW-O-19	04/30/07	74.46	---	23.98	---	50.48
GMW-O-19	11/12/07	74.46	---	24.57	---	49.89
GMW-O-19	04/14/08	74.46	---	24.24	---	50.22
GMW-O-19	10/13/08	74.46	---	25.36	---	49.10
GMW-O-19	04/20/09	74.46	---	25.22	---	49.24
GMW-O-19	10/19/09	74.46	---	26.26	---	48.20
GMW-O-19	03/15/10	74.46	---	26.16	---	48.30
GMW-O-19	04/16/10	74.46	---	25.30	---	49.16
GMW-O-19	05/24/10	74.46	---	25.53	---	48.93
GMW-O-19	05/28/10	74.46	---	25.47	---	48.99
GMW-O-19	06/22/10	74.46	---	25.64	---	48.82
GMW-O-19	07/12/10	74.46	---	26.04	---	48.42
GMW-O-19	08/12/10	74.46	---	26.23	---	48.23
GMW-O-19	09/20/10	74.46	---	26.52	---	47.94
GMW-O-19	10/04/10	74.46	---	26.31	---	48.15
GMW-O-19	11/16/10	74.46	---	26.67	---	47.79
GMW-O-19	12/22/10	74.46	---	26.70	---	47.76
GMW-O-19	01/10/11	74.46	---	26.37	---	48.09
GMW-O-19	02/24/11	74.46	---	25.55	---	48.91
GMW-O-19	03/23/11	74.46	---	25.29	---	49.17
GMW-O-19	04/11/11	74.46	---	24.75	---	49.71
GMW-O-19	05/13/11	74.46	---	25.11	---	49.35
GMW-O-19	06/22/11	74.46	---	25.27	---	49.19
GMW-O-19	07/11/11	74.46	---	25.42	---	49.04
GMW-O-19	08/19/11	74.46	---	25.32	---	49.14
GMW-O-19	09/22/11	74.46	---	25.82	---	48.64
GMW-O-19	10/10/11	74.46	---	25.40	---	49.06
GMW-O-19	11/28/11	74.46	---	25.96	---	48.50
GMW-O-19	12/21/11	74.46	---	26.43	---	48.03
GMW-O-19	01/09/12	74.46	---	26.56	---	47.90
GMW-O-19	02/23/12	74.46	---	27.08	---	47.38
GMW-O-19	03/28/12	74.46	---	27.14	---	47.32
GMW-O-19	04/16/12	74.46	---	26.88	---	47.58
GMW-O-19	05/25/12	74.46	---	27.01	---	47.45
GMW-O-19	06/15/12	74.46	---	27.23	---	47.23
GMW-O-19	07/09/12	74.46	---	27.27	---	47.19
GMW-O-19	08/29/12	74.46	---	27.58	---	46.88
GMW-O-19	09/26/12	74.46	---	27.90	---	46.56
GMW-O-19	10/15/12	74.46	---	27.46	---	47.00
GMW-O-19	11/29/12	74.46	---	28.16	---	46.30
GMW-O-19	12/26/12	74.46	---	28.03	---	46.43
GMW-O-19	01/14/13	74.46	---	28.02	---	46.44
GMW-O-19	02/20/13	74.46	---	28.28	---	46.18
GMW-O-19	04/08/13	74.46	---	28.36	---	46.10

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-19	10/07/13	74.46	---	28.68	---	45.78
GMW-O-19	04/14/14	74.46	---	28.82	---	45.64
GMW-O-19	10/27/14	74.46	---	29.34	---	45.12
GMW-O-19	04/20/15	74.46	---	28.41	---	46.05
GMW-O-19	10/19/15	74.46	---	30.63	---	43.83
GMW-O-19	04/11/16	74.46	---	31.70	---	42.76
GMW-O-19	10/03/16	74.46	---	32.20	---	42.26
GMW-O-19	10/03/16	74.46	---	32.20	---	42.26
GMW-O-19	04/17/17	74.46	---	30.94	---	43.52
GMW-O-19	10/02/17	74.46	---	31.20	---	43.26
GMW-O-19	04/16/18	74.46	---	32.72	---	41.74
GMW-O-19	11/05/18	74.46	---	33.37	---	41.09
GMW-O-19	04/16/19	74.46	---	31.22	---	43.24
GMW-O-19	10/28/19	74.46	---	32.19	---	42.27
GMW-O-19	05/04/20	74.46	---	30.94	---	43.52
GMW-O-19	11/02/20	74.46	---	31.89	---	42.57
GMW-O-19	05/03/21	74.46	---	29.50	---	44.96
GMW-O-20	05/07/01	73.34	---	22.15	---	51.19
GMW-O-20	04/07/03	73.34	---	NM	---	NC
GMW-O-20	08/15/08	73.32	---	25.90	---	47.42
GMW-O-20	10/17/08	73.32	---	25.82	---	47.50
GMW-O-20	12/19/08	73.32	---	27.15	---	46.17
GMW-O-20	01/15/09	73.32	26.09	26.53	0.44	47.15
GMW-O-20	02/24/09	73.32	---	27.85	---	45.47
GMW-O-20	03/20/09	73.32	---	28.81	---	44.51
GMW-O-20	03/27/09	73.32	---	27.84	---	45.48
GMW-O-20	04/21/09	73.32	---	28.70	---	44.62
GMW-O-20	07/21/09	73.32	---	24.10	---	49.22
GMW-O-20	10/19/09	73.32	---	NM	---	NC
GMW-O-20	11/09/09	73.32	25.40	25.60	0.20	47.88
GMW-O-20	06/22/10	73.32	24.66	24.76	0.10	48.64
GMW-O-20	10/04/10	73.32	31.10	31.20	0.10	42.20
GMW-O-20	01/10/11	73.32	26.48	26.62	0.14	46.81
GMW-O-20	04/11/11	73.32	---	23.82	---	49.50
GMW-O-20	07/11/11	73.32	---	NM	---	NC
GMW-O-20	10/10/11	73.32	---	24.05	---	49.27
GMW-O-20	01/09/12	73.32	---	24.68	---	48.64
GMW-O-20	04/16/12	73.32	---	26.18	---	47.14
GMW-O-20	07/09/12	73.32	---	32.92	---	40.40
GMW-O-20	10/15/12	73.32	32.95	32.97	0.02	40.37
GMW-O-20	01/14/13	73.32	32.93	32.98	0.05	40.38
GMW-O-20	04/08/13	73.32	26.46	29.63	3.17	46.27
GMW-O-20	09/24/13	73.32	27.20	31.10	3.90	45.40
GMW-O-20	10/07/13	73.32	27.06	32.09	5.03	45.33
GMW-O-20	04/25/14	73.32	28.40	28.48	0.08	44.91
GMW-O-20	09/18/14	73.32	27.72	30.71	2.99	45.05
GMW-O-20	09/26/14	73.32	27.75	30.87	3.12	44.99
GMW-O-20	10/01/14	73.32	27.65	30.52	2.87	45.14

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-20	10/06/14	73.32	27.66	30.50	2.84	45.13
GMW-O-20	10/14/14	73.32	27.62	30.63	3.01	45.14
GMW-O-20	10/23/14	73.32	27.70	30.80	3.10	45.05
GMW-O-20	10/27/14	73.32	27.76	30.70	2.94	45.02
GMW-O-20	11/03/14	73.32	27.62	30.81	3.19	45.11
GMW-O-20	11/10/14	73.32	27.75	30.94	3.19	44.98
GMW-O-20	11/18/14	73.32	27.65	30.91	3.26	45.07
GMW-O-20	11/25/14	73.32	27.65	30.95	3.30	45.06
GMW-O-20	12/03/14	73.32	27.83	32.56	4.73	44.61
GMW-O-20	12/19/14	73.32	27.93	31.72	3.79	44.69
GMW-O-20	04/22/15	73.32	27.98	32.25	4.27	44.55
GMW-O-20	10/22/15	73.32	29.38	31.36	1.98	43.57
GMW-O-20	03/16/16	73.32	---	32.54	---	40.78
GMW-O-20	04/12/16	73.32	---	32.48	---	40.84
GMW-O-20	06/29/16	73.32	---	32.50	---	40.82
GMW-O-20	08/22/16	73.32	---	32.18	---	41.14
GMW-O-20	10/03/16	73.32	---	33.12	---	40.20
GMW-O-20	10/03/16	73.32	---	33.12	---	40.20
GMW-O-20	04/20/17	73.32	---	29.70	---	43.62
GMW-O-20	10/02/17	73.32	---	33.03	---	40.29
GMW-O-20	04/16/18	73.32	---	32.67	---	40.65
GMW-O-20	11/05/18	73.32	---	32.92	---	40.40
GMW-O-20	04/23/19	73.32	---	30.55	---	42.77
GMW-O-20	11/01/19	73.32	---	32.53	---	NC
GMW-O-20	05/04/20	73.32	---	30.70	---	42.62
GMW-O-20	08/20/20	73.32	---	31.58	---	41.74
GMW-O-20	11/02/20	73.32	---	30.97	---	42.35
GMW-O-20	02/24/21	73.32	---	31.99	---	41.33
GMW-O-20	05/03/21	73.32	---	32.67	---	40.65
GMW-O-20	08/31/21	73.32	---	31.06	---	42.26
GMW-O-21	11/15/99	73.49	---	NM	---	NC
GMW-O-21	11/19/99	73.49	---	NM	---	NC
GMW-O-21	04/07/03	73.49	---	NM	---	NC
GMW-O-21	10/06/03	73.49	---	22.60	---	50.89
GMW-O-21	12/28/07	71.43	---	27.67	---	43.76
GMW-O-21	08/15/08	73.94	---	NM	---	NC
GMW-O-21	10/17/08	71.43	---	26.00	---	45.43
GMW-O-21	12/19/08	71.43	---	24.82	---	46.61
GMW-O-21	03/27/09	71.43	---	26.41	---	45.02
GMW-O-21	07/21/09	71.43	---	24.88	---	46.55
GMW-O-21	10/19/09	71.43	---	NM	---	NC
GMW-O-21	11/09/09	71.43	---	25.02	---	46.41
GMW-O-21	10/04/10	71.43	---	25.40	---	46.03
GMW-O-21	04/13/11	71.43	---	23.72	---	47.71
GMW-O-21	10/10/11	71.43	---	24.65	---	46.78
GMW-O-21	04/16/12	71.43	---	NM	---	NC
GMW-O-21	07/09/12	71.43	---	NM	---	NC
GMW-O-21	10/15/12	71.43	---	32.50	---	38.93

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-21	04/08/13	71.43	---	NM	---	NC
GMW-O-21	09/25/13	71.43	---	29.25	---	42.18
GMW-O-21	10/07/13	71.43	---	NM	---	NC
GMW-O-21	04/14/14	71.43	28.61	28.65	0.04	42.81
GMW-O-21	09/05/14	71.43	28.78	29.61	0.83	42.48
GMW-O-21	09/26/14	71.43	28.77	29.85	1.08	42.44
GMW-O-21	10/01/14	71.43	28.64	29.79	1.15	42.56
GMW-O-21	10/06/14	71.43	28.72	29.40	0.68	42.57
GMW-O-21	10/27/14	71.43	28.93	29.75	0.82	42.34
GMW-O-21	11/10/14	71.43	28.95	29.98	1.03	42.27
GMW-O-21	11/18/14	71.43	28.92	30.05	1.13	42.28
GMW-O-21	11/25/14	71.43	28.85	29.73	0.88	42.40
GMW-O-21	12/12/14	71.43	29.02	30.61	1.59	42.09
GMW-O-21	12/19/14	71.43	29.04	30.62	1.58	42.07
GMW-O-21	04/20/15	71.43	28.99	30.15	1.16	42.21
GMW-O-21	06/10/15	71.43	30.70	31.00	0.30	40.67
GMW-O-21	07/02/15	71.43	29.88	32.30	2.42	41.07
GMW-O-21	07/07/15	71.43	30.06	30.65	0.59	41.25
GMW-O-21	07/17/15	71.43	30.10	30.40	0.30	41.27
GMW-O-21	07/29/15	71.43	30.10	30.40	0.30	41.27
GMW-O-21	08/11/15	71.43	30.70	31.00	0.30	40.67
GMW-O-21	10/19/15	71.43	31.20	31.43	0.23	40.18
GMW-O-21	03/14/16	71.43	33.17	33.20	0.03	38.25
GMW-O-21	04/11/16	71.43	31.84	32.17	0.33	39.52
GMW-O-21	06/29/16	71.43	32.83	33.03	0.20	38.56
GMW-O-21	08/22/16	71.43	---	33.72	---	37.71
GMW-O-21	10/03/16	71.43	---	33.45	---	37.98
GMW-O-21	10/03/16	71.43	---	33.45	---	37.98
GMW-O-21	04/17/17	71.43	---	30.48	---	40.95
GMW-O-21	10/02/17	71.43	---	33.45	---	37.98
GMW-O-21	04/16/18	71.43	---	33.13	---	38.30
GMW-O-21	11/05/18	71.43	---	33.68	---	37.75
GMW-O-21	04/16/19	71.43	---	32.34	---	39.09
GMW-O-21	11/01/19	71.43	---	33.00	---	38.43
GMW-O-21	05/04/20	71.43	---	31.24	---	40.19
GMW-O-21	08/20/20	71.43	---	31.93	---	39.50
GMW-O-21	11/02/20	71.43	---	30.30	---	41.13
GMW-O-21	02/24/21	71.43	---	32.57	---	38.86
GMW-O-21	05/03/21	71.43	---	32.17	---	39.26
GMW-O-21	08/31/21	71.43	---	31.39	---	40.04
GMW-O-23	08/14/07	73.63	---	23.33	---	50.30
GMW-O-23	08/21/07	73.63	---	23.31	---	50.32
GMW-O-23	08/28/07	73.63	---	23.00	---	50.63
GMW-O-23	09/11/07	73.63	---	23.42	---	50.21
GMW-O-23	10/05/07	73.63	---	27.79	---	45.84
GMW-O-23	11/02/07	73.63	---	25.15	---	48.48
GMW-O-23	11/13/07	73.63	---	23.90	---	49.73
GMW-O-23	12/28/07	73.63	---	24.91	---	48.72

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-23	08/15/08	73.63	---	26.28	---	47.35
GMW-O-23	10/17/08	73.63	---	27.16	---	46.47
GMW-O-23	12/19/08	73.63	---	27.60	---	46.03
GMW-O-23	01/15/09	73.63	---	27.54	---	46.09
GMW-O-23	02/24/09	73.63	---	26.19	---	47.44
GMW-O-23	03/27/09	73.63	---	23.74	---	49.89
GMW-O-23	04/21/09	73.63	---	27.30	---	46.33
GMW-O-23	10/19/09	73.63	---	NM	---	NC
GMW-O-23	11/09/09	73.63	---	27.50	---	46.13
GMW-O-23	06/22/10	73.63	---	32.10	---	41.53
GMW-O-23	10/04/10	73.63	---	25.92	---	47.71
GMW-O-23	01/10/11	73.63	---	27.45	---	46.18
GMW-O-23	04/11/11	73.63	---	25.03	---	48.60
GMW-O-23	07/11/11	73.63	---	NM	---	NC
GMW-O-23	10/10/11	73.63	---	25.25	---	48.38
GMW-O-23	01/09/12	73.63	---	25.91	---	47.72
GMW-O-23	04/16/12	73.63	---	27.38	---	46.25
GMW-O-23	07/09/12	73.63	---	27.41	---	46.22
GMW-O-23	10/15/12	73.63	---	26.48	---	47.15
GMW-O-23	01/14/13	73.63	---	29.35	---	44.28
GMW-O-23	04/08/13	73.63	27.74	29.81	2.07	45.48
GMW-O-23	09/23/13	73.63	---	29.90	---	43.73
GMW-O-23	10/07/13	73.63	28.30	32.86	4.56	44.42
GMW-O-23	04/25/14	73.63	29.66	29.81	0.15	43.94
GMW-O-23	09/05/14	73.63	28.76	32.57	3.81	44.11
GMW-O-23	09/11/14	73.63	28.63	32.94	4.31	44.14
GMW-O-23	09/18/14	73.63	28.65	32.80	4.15	44.15
GMW-O-23	09/26/14	73.63	28.70	32.87	4.17	44.10
GMW-O-23	10/01/14	73.63	28.75	32.56	3.81	44.12
GMW-O-23	10/06/14	73.63	28.73	32.50	3.77	44.15
GMW-O-23	10/14/14	73.63	28.20	32.75	4.55	44.52
GMW-O-23	10/23/14	73.63	28.69	32.80	4.11	44.12
GMW-O-23	10/27/14	73.63	28.80	32.51	3.71	44.09
GMW-O-23	11/03/14	73.63	29.68	32.82	3.14	43.32
GMW-O-23	11/10/14	73.63	28.78	32.80	4.02	44.05
GMW-O-23	11/18/14	73.63	29.78	32.78	3.00	43.25
GMW-O-23	11/25/14	73.63	28.78	32.64	3.86	44.08
GMW-O-23	12/03/14	73.63	28.94	33.25	4.31	43.83
GMW-O-23	12/12/14	73.63	29.33	32.58	3.25	43.65
GMW-O-23	12/19/14	73.63	29.37	32.71	3.34	43.59
GMW-O-23	03/17/15	73.63	30.00	30.40	0.40	43.55
GMW-O-23	04/22/15	73.63	30.36	33.08	2.72	42.73
GMW-O-23	10/22/15	73.63	30.46	32.82	2.36	42.70
GMW-O-23	03/16/16	73.63	---	34.43	---	39.20
GMW-O-23	04/12/16	73.63	---	32.59	---	41.04
GMW-O-23	06/29/16	73.63	---	33.90	---	39.73
GMW-O-23	08/22/16	73.63	---	33.89	---	39.74
GMW-O-23	10/03/16	73.63	---	34.90	---	38.73

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-O-23	10/03/16	73.63	---	34.90	---	38.73
GMW-O-23	04/20/17	73.63	---	30.88	---	42.75
GMW-O-23	10/02/17	73.63	---	34.70	---	38.93
GMW-O-23	04/16/18	73.63	---	34.05	---	39.58
GMW-O-23	11/05/18	73.63	---	34.31	---	39.32
GMW-O-23	04/16/19	73.63	---	32.99	---	40.64
GMW-O-23	10/28/19	73.63	---	34.40	---	NC
GMW-O-23	05/04/20	73.63	---	31.92	---	41.71
GMW-O-23	08/20/20	73.63	---	32.05	---	41.58
GMW-O-23	11/02/20	73.63	---	32.24	---	41.39
GMW-O-23	02/24/21	73.63	---	33.19	---	40.44
GMW-O-23	05/03/21	73.63	---	32.91	---	40.72
GMW-O-23	08/31/21	73.63	---	32.50	---	41.13
GMW-O-24	10/15/12	74.39	---	27.90	---	46.49
GMW-O-24	04/08/13	74.39	---	28.53	---	45.86
GMW-O-24	10/23/13	74.39	---	29.40	---	44.99
GMW-O-24	04/14/14	74.39	---	29.33	---	45.06
GMW-O-24	10/27/14	74.39	---	29.82	---	44.57
GMW-O-24	04/20/15	74.39	---	30.23	---	44.16
GMW-O-24	06/30/15	74.39	---	31.06	---	43.33
GMW-O-24	10/19/15	74.39	---	30.95	---	43.44
GMW-O-24	04/11/16	74.39	---	31.84	---	42.55
GMW-O-24	10/03/16	74.39	---	32.39	---	42.00
GMW-O-24	10/03/16	74.39	---	32.39	---	42.00
GMW-O-24	04/17/17	74.39	---	28.60	---	45.79
GMW-O-24	10/02/17	74.39	---	31.90	---	42.49
GMW-O-24	04/16/18	74.39	---	32.50	---	41.89
GMW-O-24	11/05/18	74.39	---	NM	---	NC
GMW-O-24	04/16/19	74.39	---	31.59	---	42.80
GMW-O-24	10/28/19	74.39	---	DRY	---	NC
GMW-O-24	05/04/20	74.39	---	32.07	---	42.32
GMW-O-24	11/02/20	74.39	---	NM	---	NC
GMW-O-24	02/24/21	74.39	---	34.68	---	39.71
GMW-O-24	05/03/21	74.39	---	33.00	---	41.39
GMW-O-24	08/31/21	74.39	---	32.36	---	42.03
GMW-SF-10	04/21/09	75.77	---	27.10	---	48.67
GMW-SF-10	10/04/10	75.77	---	28.03	---	47.74
GMW-SF-10	04/11/11	75.77	---	26.80	---	48.97
GMW-SF-10	10/10/11	75.77	---	27.60	---	48.17
GMW-SF-10	04/16/12	75.77	---	28.81	---	46.96
GMW-SF-10	07/09/12	75.77	---	NM	---	NC
GMW-SF-10	10/15/12	75.77	---	29.88	---	45.89
GMW-SF-10	04/08/13	75.77	---	DRY	---	NC
GMW-SF-7	11/20/96	75.26	---	27.71	---	47.55
GMW-SF-7	12/31/97	75.26	---	27.11	---	48.15
GMW-SF-7	05/03/99	75.26	---	25.30	---	49.96
GMW-SF-7	08/09/99	75.26	---	25.79	---	49.47
GMW-SF-7	11/15/99	75.26	---	26.38	---	48.88

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-SF-7	05/15/00	75.26	---	25.88	---	49.38
GMW-SF-7	11/13/00	75.26	---	26.82	---	48.44
GMW-SF-7	05/07/01	75.26	---	24.35	---	50.91
GMW-SF-7	11/05/01	75.26	---	25.33	---	49.93
GMW-SF-7	02/01/02	75.26	---	25.52	---	49.74
GMW-SF-7	04/08/02	75.26	---	26.60	---	48.66
GMW-SF-7	10/21/02	75.26	---	27.02	---	48.24
GMW-SF-7	01/27/03	75.26	---	26.64	---	48.62
GMW-SF-7	04/07/03	75.26	---	25.70	---	49.56
GMW-SF-7	07/31/03	75.26	---	25.72	---	49.54
GMW-SF-7	10/06/03	75.26	---	26.57	---	48.69
GMW-SF-7	01/11/04	75.26	---	27.54	---	47.72
GMW-SF-7	01/27/04	75.26	---	26.65	---	48.61
GMW-SF-7	04/19/04	75.26	---	26.64	---	48.62
GMW-SF-7	07/19/04	75.26	---	26.89	---	48.37
GMW-SF-7	02/01/05	75.26	---	25.15	---	50.11
GMW-SF-7	05/02/05	75.26	---	20.52	---	54.74
GMW-SF-7	08/01/05	75.26	---	22.03	---	53.23
GMW-SF-7	10/31/05	75.26	---	22.99	---	52.27
GMW-SF-7	02/27/06	75.26	---	23.65	---	51.61
GMW-SF-7	05/01/06	75.26	---	23.68	---	51.58
GMW-SF-7	09/18/06	75.26	---	24.41	---	50.85
GMW-SF-7	12/04/06	75.26	---	24.72	---	50.54
GMW-SF-7	03/12/07	75.26	---	25.18	---	50.08
GMW-SF-7	04/30/07	75.26	---	25.17	---	50.09
GMW-SF-7	08/28/07	75.26	---	25.02	---	50.24
GMW-SF-7	11/12/07	75.26	---	25.57	---	49.69
GMW-SF-7	04/14/08	75.26	---	25.40	---	49.86
GMW-SF-7	10/13/08	75.26	---	26.29	---	48.97
GMW-SF-7	04/20/09	75.26	---	26.26	---	49.00
GMW-SF-7	10/19/09	75.26	---	27.51	---	47.75
GMW-SF-7	05/24/10	75.26	---	27.07	---	48.19
GMW-SF-7	05/28/10	75.26	---	27.06	---	48.20
GMW-SF-7	10/04/10	75.26	---	27.47	---	47.79
GMW-SF-7	04/11/11	75.26	---	26.13	---	49.13
GMW-SF-7	10/10/11	75.26	---	26.93	---	48.33
GMW-SF-7	04/16/12	75.26	---	28.12	---	47.14
GMW-SF-7	07/09/12	75.26	---	NM	---	NC
GMW-SF-7	10/15/12	75.26	---	28.93	---	46.33
GMW-SF-7	04/08/13	75.26	---	29.91	---	45.35
GMW-SF-7	10/07/13	75.26	---	30.08	---	45.18
GMW-SF-7	04/14/14	75.26	---	30.51	---	44.75
GMW-SF-7	10/27/14	75.26	---	30.92	---	44.34
GMW-SF-7	04/20/15	75.26	---	31.30	---	43.96
GMW-SF-7	10/19/15	75.26	---	32.03	---	43.23
GMW-SF-7	04/11/16	75.26	---	33.12	---	42.14
GMW-SF-7	10/03/16	75.26	---	33.72	---	41.54
GMW-SF-7	10/03/16	75.26	---	33.72	---	41.54

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-SF-7	04/17/17	75.26	---	31.47	---	43.79
GMW-SF-7	10/02/17	75.26	---	33.17	---	42.09
GMW-SF-7	04/16/18	75.26	---	34.21	---	41.05
GMW-SF-7	11/05/18	75.26	---	34.77	---	40.49
GMW-SF-7	04/16/19	75.26	---	32.22	---	43.04
GMW-SF-7	10/28/19	75.26	---	34.00	---	41.26
GMW-SF-7	05/04/20	75.26	---	32.89	---	42.37
GMW-SF-7	11/02/20	75.26	---	30.61	---	44.65
GMW-SF-7	05/03/21	75.26	---	33.56	---	41.70
GMW-SF-8	11/20/96	76.75	---	28.77	---	47.98
GMW-SF-8	07/01/97	76.75	---	27.35	---	49.40
GMW-SF-8	12/31/97	76.75	---	28.42	---	48.33
GMW-SF-8	05/03/99	76.75	---	26.61	---	50.14
GMW-SF-8	08/09/99	76.75	---	26.99	---	49.76
GMW-SF-8	11/15/99	76.75	---	27.55	---	49.20
GMW-SF-8	05/15/00	76.45	---	27.17	---	49.28
GMW-SF-8	11/13/00	76.45	---	27.97	---	48.48
GMW-SF-8	05/07/01	76.45	---	25.54	---	50.91
GMW-SF-8	11/05/01	76.75	---	26.55	---	50.20
GMW-SF-8	04/08/02	76.75	---	27.73	---	49.02
GMW-SF-8	10/21/02	76.75	---	28.07	---	48.68
GMW-SF-8	01/27/03	76.75	---	27.98	---	48.77
GMW-SF-8	04/07/03	76.75	---	27.63	---	49.12
GMW-SF-8	07/31/03	76.75	---	26.99	---	49.76
GMW-SF-8	10/06/03	76.75	---	27.30	---	49.45
GMW-SF-8	01/11/04	76.75	---	28.54	---	48.21
GMW-SF-8	01/27/04	76.75	---	27.87	---	48.88
GMW-SF-8	04/19/04	76.75	---	27.88	---	48.87
GMW-SF-8	07/19/04	76.75	---	28.05	---	48.70
GMW-SF-8	02/01/05	76.75	---	26.52	---	50.23
GMW-SF-8	05/02/05	76.75	---	21.91	---	54.84
GMW-SF-8	08/01/05	76.75	---	23.33	---	53.42
GMW-SF-8	10/31/05	76.75	---	24.41	---	52.34
GMW-SF-8	02/27/06	76.75	---	24.98	---	51.77
GMW-SF-8	05/01/06	76.75	---	24.98	---	51.77
GMW-SF-8	09/18/06	76.75	---	25.69	---	51.06
GMW-SF-8	12/04/06	76.75	---	26.03	---	50.72
GMW-SF-8	04/30/07	76.75	---	26.45	---	50.30
GMW-SF-8	11/12/07	76.75	---	26.87	---	49.88
GMW-SF-8	04/14/08	76.75	---	26.66	---	50.09
GMW-SF-8	10/13/08	76.75	---	27.75	---	49.00
GMW-SF-8	04/20/09	76.75	---	27.68	---	49.07
GMW-SF-8	10/19/09	76.75	---	29.01	---	47.74
GMW-SF-8	05/24/10	76.75	---	28.34	---	48.41
GMW-SF-8	05/28/10	76.75	---	28.30	---	48.45
GMW-SF-8	10/04/10	76.75	---	28.70	---	48.05
GMW-SF-8	01/10/11	76.75	---	28.85	---	47.90
GMW-SF-8	04/11/11	76.75	---	27.44	---	49.31

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GMW-SF-8	07/11/11	76.75	---	NM	---	NC
GMW-SF-8	10/10/11	76.75	---	28.18	---	48.57
GMW-SF-8	01/09/12	76.75	---	28.92	---	47.83
GMW-SF-8	04/16/12	76.75	---	29.34	---	47.41
GMW-SF-8	07/09/12	76.75	---	30.09	---	46.66
GMW-SF-8	10/15/12	76.75	---	30.21	---	46.54
GMW-SF-8	01/14/13	76.75	---	30.92	---	45.83
GMW-SF-8	04/08/13	76.75	---	30.98	---	45.77
GMW-SF-8	10/07/13	76.75	---	32.16	---	44.59
GMW-SF-8	04/14/14	76.75	---	31.63	---	45.12
GMW-SF-8	10/27/14	76.75	---	32.08	---	44.67
GMW-SF-8	04/20/15	76.75	---	32.59	---	44.16
GMW-SF-8	10/19/15	76.75	---	33.28	---	43.47
GMW-SF-8	04/11/16	76.75	---	34.50	---	42.25
GMW-SF-8	10/03/16	76.75	---	35.01	---	41.74
GMW-SF-8	10/03/16	76.75	---	35.01	---	41.74
GMW-SF-8	04/17/17	76.75	---	32.39	---	44.36
GMW-SF-8	10/02/17	76.75	---	34.54	---	42.21
GMW-SF-8	04/16/18	76.75	---	35.55	---	41.20
GMW-SF-8	11/05/18	76.75	---	36.05	---	40.70
GMW-SF-8	04/16/19	76.75	---	33.74	---	43.01
GMW-SF-8	10/28/19	76.75	---	35.20	---	41.55
GMW-SF-8	05/04/20	76.75	---	34.28	---	42.47
GMW-SF-8	11/02/20	76.75	---	32.18	---	44.57
GMW-SF-8	05/03/21	76.75	---	35.00	---	41.75
GMW-SF-9	04/21/09	73.00	---	24.19	---	48.81
GMW-SF-9	05/24/10	73.00	---	28.31	---	44.69
GMW-SF-9	05/28/10	73.00	---	28.37	---	44.63
GMW-SF-9	10/04/10	73.00	---	25.28	---	47.72
GMW-SF-9	04/11/11	73.00	---	23.90	---	49.10
GMW-SF-9	10/10/11	73.00	---	24.70	---	48.30
GMW-SF-9	04/16/12	73.00	---	26.99	---	46.01
GMW-SF-9	07/09/12	73.00	---	NM	---	NC
GMW-SF-9	10/15/12	73.05	---	34.21	---	38.84
GMW-SF-9	01/14/13	73.05	---	34.32	---	38.73
GMW-SF-9	04/10/13	73.05	---	27.37	---	45.68
GMW-SF-9	08/14/14	73.05	28.37	29.35	0.98	44.48
GMW-SF-9	08/19/14	73.05	28.44	28.46	0.02	44.61
GMW-SF-9	08/29/14	73.05	28.31	29.32	1.01	44.54
GMW-SF-9	09/05/14	73.05	28.29	29.33	1.04	44.55
GMW-SF-9	09/11/14	73.05	28.47	29.49	1.02	44.38
GMW-SF-9	09/18/14	73.05	28.91	28.95	0.04	44.13
GMW-SF-9	09/26/14	73.05	28.59	28.93	0.34	44.39
GMW-SF-9	04/20/15	73.05	---	29.01	---	44.04
GMW-SF-9	10/21/15	73.05	---	29.69	---	43.36
GW-1	05/01/98	75.00	---	27.17	---	47.83
GW-1	05/25/99	75.46	---	27.73	---	47.73
GW-1	05/15/00	75.46	---	28.10	---	47.36

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GW-1	05/07/01	75.46	---	27.43	---	48.03
GW-1	04/08/02	75.46	---	28.16	---	47.30
GW-1	10/21/02	75.46	---	27.95	---	47.51
GW-1	04/07/03	75.46	---	27.70	---	47.76
GW-1	10/06/03	75.46	---	27.97	---	47.49
GW-1	04/19/04	75.97	---	29.00	---	46.97
GW-1	11/01/04	75.97	---	28.98	---	46.99
GW-1	05/02/05	75.46	---	25.78	---	49.68
GW-1	05/01/06	75.97	---	26.20	---	49.77
GW-1	12/01/06	75.97	---	26.62	---	49.35
GW-1	04/30/07	75.97	---	26.78	---	49.19
GW-1	11/12/07	75.97	---	27.28	---	48.69
GW-1	04/11/08	75.97	---	26.60	---	49.37
GW-1	07/24/08	75.97	---	26.99	---	48.98
GW-1	10/13/08	75.97	---	27.56	---	48.41
GW-1	02/09/09	75.46	---	27.06	---	48.40
GW-1	04/07/10	75.46	---	29.76	---	45.70
GW-1	10/01/10	75.97	---	29.11	---	46.86
GW-1	01/06/11	75.97	---	29.99	---	45.98
GW-1	04/12/11	75.97	---	28.46	---	47.51
GW-1	07/07/11	75.97	---	28.45	---	47.52
GW-1	10/07/11	75.97	---	28.71	---	47.26
GW-1	04/12/12	75.97	---	29.46	---	46.51
GW-1	01/10/13	75.97	---	30.61	---	45.36
GW-1	04/02/13	75.97	---	30.70	---	45.27
GW-1	10/01/13	75.97	---	31.30	---	44.67
GW-1	04/07/14	75.97	---	32.39	---	43.58
GW-1	10/27/14	75.97	---	32.47	---	43.50
GW-1	04/20/15	75.97	---	32.81	---	43.16
GW-1	04/13/16	75.97	---	NM	---	NC
GW-1	10/03/16	75.97	---	34.47	---	41.50
GW-1	04/18/17	75.97	---	34.40	---	41.57
GW-1	10/02/17	75.97	---	34.92	---	41.05
GW-1	04/16/18	75.97	---	35.31	---	40.66
GW-1	11/05/18	75.97	---	35.83	---	40.14
GW-1	04/15/19	75.97	---	35.07	---	40.90
GW-1	10/29/19	75.97	---	35.95	---	40.02
GW-1	05/04/20	75.97	---	35.74	---	40.23
GW-1	11/02/20	75.46	---	35.88	---	40.09
GW-1	05/04/21	75.97	---	36.00	---	39.97
GW-2	05/01/98	75.00	---	27.65	---	47.35
GW-2	05/25/99	76.39	---	28.47	---	47.92
GW-2	05/15/00	76.39	---	28.88	---	47.51
GW-2	05/07/01	76.39	---	28.22	---	48.17
GW-2	04/08/02	76.39	---	28.85	---	47.54
GW-2	10/21/02	76.39	---	28.75	---	47.64
GW-2	04/07/03	76.39	---	28.58	---	47.81
GW-2	10/06/03	76.39	---	28.67	---	47.72

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GW-2	04/19/04	75.78	---	28.75	---	47.03
GW-2	11/01/04	75.78	---	28.72	---	47.06
GW-2	05/02/05	76.39	---	26.05	---	50.34
GW-2	05/01/06	75.78	---	25.84	---	49.94
GW-2	12/01/06	75.78	---	26.23	---	49.55
GW-2	04/30/07	75.78	---	26.52	---	49.26
GW-2	11/12/07	75.78	---	NM	---	NC
GW-2	04/11/08	76.39	---	27.39	---	49.00
GW-2	07/24/08	76.39	---	27.88	---	48.51
GW-2	10/13/08	76.39	---	28.31	---	48.08
GW-2	02/09/09	76.39	---	27.61	---	48.78
GW-2	01/11/10	76.39	---	29.26	---	47.13
GW-2	04/07/10	76.39	---	29.45	---	46.94
GW-2	01/06/11	75.78	---	32.45	---	43.33
GW-2	04/06/11	75.78	---	28.31	---	47.47
GW-2	07/07/11	75.78	---	28.25	---	47.53
GW-2	10/06/11	75.78	---	28.47	---	47.31
GW-2	04/12/12	75.78	---	29.34	---	46.44
GW-2	04/19/12	75.78	---	28.99	---	46.79
GW-2	01/10/13	75.78	---	30.42	---	45.36
GW-2	04/02/13	75.78	---	30.25	---	45.53
GW-2	04/08/13	75.78	---	30.11	---	45.67
GW-2	10/01/13	75.78	---	30.95	---	44.83
GW-2	04/07/14	75.78	---	32.10	---	43.68
GW-2	04/15/14	75.78	---	31.82	---	43.96
GW-2	10/27/14	75.78	---	32.16	---	43.62
GW-2	04/20/15	75.78	---	32.53	---	43.25
GW-2	04/11/16	75.78	---	33.61	---	42.17
GW-2	10/03/16	75.78	---	34.08	---	41.70
GW-2	04/18/17	75.78	---	34.15	---	41.63
GW-2	10/02/17	75.78	---	34.53	---	41.25
GW-2	04/16/18	75.78	---	34.80	---	40.98
GW-2	11/05/18	75.78	---	35.26	---	40.52
GW-2	04/15/19	75.78	---	34.97	---	40.81
GW-2	10/29/19	75.78	---	35.33	---	40.45
GW-2	05/04/20	75.78	---	35.27	---	40.51
GW-2	11/02/20	76.39	---	35.33	---	40.45
GW-2	05/04/21	75.78	---	35.69	---	40.09
GW-3	05/01/98	75.00	---	28.26	---	46.74
GW-3	05/25/99	76.56	---	28.90	---	47.66
GW-3	05/15/00	76.56	---	29.29	---	47.27
GW-3	05/07/01	76.56	---	28.63	---	47.93
GW-3	04/08/02	76.56	---	29.23	---	47.33
GW-3	10/21/02	76.56	---	29.26	---	47.30
GW-3	04/07/03	76.56	---	28.25	---	48.31
GW-3	10/06/03	76.56	---	29.06	---	47.50
GW-3	04/19/04	76.56	---	30.24	---	46.32
GW-3	11/01/04	75.79	---	28.84	---	46.95

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GW-3	05/02/05	76.56	---	25.65	---	50.91
GW-3	05/01/06	75.79	---	25.90	---	49.89
GW-3	12/01/06	75.79	---	26.31	---	49.48
GW-3	04/30/07	73.86	---	26.65	---	47.21
GW-3	11/12/07	75.79	---	27.11	---	48.68
GW-3	04/11/08	76.56	---	27.92	---	48.64
GW-3	07/24/08	75.79	---	27.79	---	48.00
GW-3	10/13/08	75.79	---	28.39	---	47.40
GW-3	02/09/09	75.79	---	27.12	---	48.67
GW-3	04/20/09	75.79	---	26.30	---	49.49
GW-3	10/19/09	75.79	---	29.24	---	46.55
GW-3	04/07/10	76.56	---	55.57	---	20.99
GW-3	04/12/10	75.79	---	28.84	---	46.95
GW-3	10/01/10	75.79	---	29.10	---	46.69
GW-3	04/06/11	75.79	---	28.50	---	47.29
GW-3	07/08/11	75.79	---	28.36	---	47.43
GW-3	10/06/11	75.79	---	28.65	---	47.14
GW-3	04/12/12	75.79	---	29.35	---	46.44
GW-3	01/10/13	75.79	---	30.49	---	45.30
GW-3	04/02/13	75.79	---	30.38	---	45.41
GW-3	04/08/13	75.79	---	30.26	---	45.53
GW-3	10/01/13	75.79	---	31.14	---	44.65
GW-3	04/09/14	75.79	---	31.99	---	43.80
GW-3	04/15/14	75.79	---	31.92	---	43.87
GW-3	10/27/14	75.79	---	32.34	---	43.45
GW-3	04/20/15	75.79	---	32.72	---	43.07
GW-3	04/11/16	75.79	---	33.76	---	42.03
GW-3	10/03/16	75.79	---	34.29	---	41.50
GW-3	04/18/17	75.79	---	34.35	---	41.44
GW-3	10/02/17	75.79	---	34.66	---	41.13
GW-3	04/16/18	75.79	---	35.02	---	40.77
GW-3	11/05/18	75.79	---	35.54	---	40.25
GW-3	04/15/19	75.79	---	35.15	---	40.64
GW-3	10/28/19	75.79	---	35.66	---	40.13
GW-3	05/04/20	75.79	---	35.61	---	40.18
GW-3	10/19/20	76.56	---	35.71	---	40.08
GW-3	11/02/20	76.56	---	35.71	---	40.08
GW-3	05/04/21	75.79	---	38.00	---	37.79
GW-4	05/01/98	78.51	---	30.45	---	48.06
GW-4	05/25/99	74.77	---	26.97	---	47.80
GW-4	05/15/00	74.77	---	27.80	---	46.97
GW-4	05/07/01	74.77	---	26.87	---	47.90
GW-4	04/08/02	74.77	---	27.60	---	47.17
GW-4	10/21/02	74.77	---	27.60	---	47.17
GW-4	04/07/03	74.77	---	27.25	---	47.52
GW-4	10/06/03	74.77	---	27.40	---	47.37
GW-4	04/19/04	74.77	---	28.07	---	46.70
GW-4	11/01/04	74.77	---	28.09	---	46.68

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GW-4	05/01/06	73.86	---	28.52	---	45.34
GW-4	12/01/06	74.77	---	NM	---	NC
GW-4	04/30/07	74.77	---	NM	---	NC
GW-4	11/12/07	74.77	---	26.40	---	48.37
GW-4	04/11/08	74.77	---	26.32	---	48.45
GW-4	07/24/08	74.77	---	26.71	---	48.06
GW-4	10/13/08	74.77	---	27.31	---	47.46
GW-4	02/09/09	74.77	---	26.05	---	48.72
GW-4	04/07/10	74.77	---	28.12	---	46.65
GW-4	10/01/10	73.86	---	NM	---	NC
GW-4	01/06/11	73.86	---	NM	---	NC
GW-4	04/06/11	73.86	---	NM	---	NC
GW-4	07/08/11	73.86	---	NM	---	NC
GW-4	04/12/12	73.86	---	NM	---	NC
GW-4	01/10/13	73.86	---	NM	---	NC
GW-4	04/02/13	73.86	---	NM	---	NC
GW-4	04/11/16	73.86	---	32.19	---	41.67
GW-4	10/03/16	73.86	---	32.82	---	41.04
GW-4	04/17/17	73.86	---	DRY	---	NC
GW-4	10/02/17	73.86	---	NM	---	NC
GW-4	04/16/18	73.86	---	NM	---	NC
GW-4	11/05/18	73.86	---	NM	---	NC
GW-4	04/15/19	73.86	---	33.29	---	40.57
GW-4	10/28/19	73.86	---	33.74	---	40.12
GW-4	05/05/20	73.86	---	NM	---	NC
GW-4	11/02/20	74.77	---	NM	---	NC
GW-4	05/04/21	73.86	---	NM	---	NC
GW-5	05/01/98	75.00	---	26.42	---	48.58
GW-5	05/25/99	77.09	---	29.01	---	48.08
GW-5	05/15/00	77.09	---	36.26	---	40.83
GW-5	05/07/01	77.09	---	30.32	---	46.77
GW-5	04/08/02	77.09	---	29.75	---	47.34
GW-5	10/21/02	77.09	---	30.27	---	46.82
GW-5	04/07/03	77.09	---	29.30	---	47.79
GW-5	10/06/03	77.09	---	29.34	---	47.75
GW-5	04/19/04	77.09	---	30.24	---	46.85
GW-5	11/01/04	77.09	---	30.02	---	47.07
GW-5	05/02/05	77.09	---	25.81	---	51.28
GW-5	05/01/06	77.09	---	26.87	---	50.22
GW-5	12/01/06	77.09	---	27.45	---	49.64
GW-5	04/27/07	77.09	---	27.75	---	49.34
GW-5	11/12/07	77.09	---	28.36	---	48.73
GW-5	04/11/08	77.09	---	28.17	---	48.92
GW-5	07/24/08	77.09	---	28.62	---	48.47
GW-5	10/13/08	77.09	---	29.21	---	47.88
GW-5	02/09/09	76.99	---	27.68	---	49.31
GW-5	04/07/10	76.99	---	29.88	---	47.11
GW-5	10/01/10	76.99	---	30.03	---	46.96

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GW-5	01/06/11	76.99	---	30.18	---	46.81
GW-5	04/06/11	76.99	---	29.11	---	47.88
GW-5	07/08/11	76.99	---	29.24	---	47.75
GW-5	10/06/11	76.99	---	29.58	---	47.41
GW-5	04/12/12	76.99	---	30.48	---	46.51
GW-5	01/10/13	76.99	---	31.68	---	45.31
GW-5	04/02/13	76.99	---	31.59	---	45.40
GW-5	10/01/13	76.99	---	32.33	---	44.66
GW-5	04/07/14	76.99	---	33.22	---	43.77
GW-5	10/27/14	76.99	---	33.45	---	43.54
GW-5	11/02/20	77.09	---	38.59	---	40.47
GW-5R	10/02/17	79.06	---	37.61	---	41.45
GW-5R	04/16/18	79.06	---	38.07	---	40.99
GW-5R	11/05/18	79.06	---	38.59	---	40.47
GW-5R	04/16/19	79.06	---	36.78	---	42.28
GW-5R	10/28/19	79.06	---	38.65	---	40.41
GW-5R	05/04/20	79.06	---	38.33	---	40.73
GW-5R	05/03/21	79.06	---	38.80	---	40.26
GW-6	05/01/98	75.00	---	26.27	---	48.73
GW-6	05/25/99	77.41	---	29.61	---	47.80
GW-6	05/15/00	77.41	---	30.25	---	47.16
GW-6	05/07/01	77.41	---	30.31	---	47.10
GW-6	04/08/02	77.41	---	30.01	---	47.40
GW-6	10/21/02	77.41	---	27.32	---	50.09
GW-6	04/07/03	77.41	---	28.45	---	48.96
GW-6	10/06/03	77.41	---	28.65	---	48.76
GW-6	04/19/04	76.38	---	29.64	---	46.74
GW-6	11/01/04	77.41	---	30.32	---	47.09
GW-6	05/02/05	77.41	---	26.27	---	51.14
GW-6	05/01/06	76.38	---	26.20	---	50.18
GW-6	12/01/06	76.38	---	26.86	---	49.52
GW-6	04/27/07	76.38	---	27.14	---	49.24
GW-6	11/12/07	77.41	---	27.75	---	49.66
GW-6	04/11/08	76.38	---	27.52	---	48.86
GW-6	07/24/08	76.38	---	27.75	---	48.63
GW-6	10/13/08	76.38	---	28.54	---	47.84
GW-6	02/09/09	76.38	---	27.38	---	49.00
GW-6	04/20/09	76.38	---	28.41	---	47.97
GW-6	10/19/09	76.38	---	29.32	---	47.06
GW-6	04/07/10	76.38	---	30.21	---	46.17
GW-6	04/12/10	76.38	---	29.61	---	46.77
GW-6	01/06/11	76.38	---	29.45	---	46.93
GW-6	04/06/11	76.38	---	28.35	---	48.03
GW-6	07/07/11	76.38	28.51	28.52	0.01	47.87
GW-6	10/06/11	76.38	---	28.88	---	47.50
GW-6	04/12/12	76.38	---	29.88	---	46.50
GW-6	04/18/12	76.38	---	29.65	---	46.73
GW-6	01/10/13	76.38	---	31.13	---	45.25

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GW-6	04/02/13	76.38	---	31.03	---	45.35
GW-6	04/08/13	76.38	---	31.00	---	45.38
GW-6	10/01/13	76.38	---	31.78	---	44.60
GW-6	04/09/14	76.38	---	32.55	---	43.83
GW-6	04/15/14	76.38	---	32.43	---	43.95
GW-6	10/27/14	76.38	---	32.87	---	43.51
GW-6	04/20/15	76.38	---	33.23	---	43.15
GW-6	04/11/16	76.38	---	NM	---	NC
GW-6	10/03/16	76.38	---	34.88	---	41.50
GW-6	04/17/17	76.38	---	34.46	---	41.92
GW-6	10/02/17	76.38	---	35.03	---	41.35
GW-6	04/16/18	76.38	---	35.48	---	40.90
GW-6	11/05/18	76.38	---	35.99	---	40.39
GW-6	04/16/19	76.38	---	32.05	---	44.33
GW-6	10/29/19	76.38	---	36.29	---	40.09
GW-6	05/04/20	76.38	---	35.75	---	40.63
GW-6	11/02/20	77.41	---	35.92	---	40.46
GW-6	05/03/21	76.38	---	36.10	---	40.28
GW-7	05/01/98	75.00	---	26.14	---	48.86
GW-7	05/25/99	76.46	---	28.29	---	48.17
GW-7	05/15/00	76.46	---	28.45	---	48.01
GW-7	04/08/02	76.46	---	27.66	---	48.80
GW-7	10/21/02	76.76	---	27.20	---	49.56
GW-7	04/07/03	76.76	---	28.40	---	48.36
GW-7	10/06/03	76.76	---	28.83	---	47.93
GW-7	04/19/04	75.02	---	28.65	---	46.37
GW-7	11/01/04	76.76	---	28.91	---	47.85
GW-7	05/02/05	76.76	---	25.45	---	51.31
GW-7	05/01/06	75.02	---	24.78	---	50.24
GW-7	12/01/06	75.02	---	25.41	---	49.61
GW-7	04/30/07	75.02	---	25.84	---	49.18
GW-7	11/12/07	76.46	---	NM	---	NC
GW-7	04/11/08	76.76	---	27.50	---	49.26
GW-7	07/24/08	76.46	---	27.62	---	48.84
GW-7	10/14/08	76.46	---	28.55	---	47.91
GW-7	02/10/09	75.02	---	27.75	---	47.27
GW-7	04/08/10	76.76	---	29.04	---	47.72
GW-7	10/01/10	75.02	---	27.91	---	47.11
GW-7	01/07/11	75.02	---	28.12	---	46.90
GW-7	04/06/11	75.02	---	26.94	---	48.08
GW-7	07/08/11	75.02	---	27.00	---	48.02
GW-7	10/06/11	75.02	---	27.50	---	47.52
GW-7	04/12/12	75.02	---	NM	---	NC
GW-7	01/11/13	75.02	---	30.25	---	44.77
GW-7	04/03/13	75.02	---	30.03	---	44.99
GW-7	10/02/13	75.02	---	30.44	---	44.58
GW-7	04/09/14	75.02	---	31.22	---	43.80
GW-7	10/27/14	75.02	---	31.64	---	43.38

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GW-7	04/20/15	75.02	---	31.95	---	43.07
GW-7	04/11/16	75.02	---	NM	---	NC
GW-7	10/03/16	75.02	---	33.69	---	41.33
GW-7	04/17/17	75.02	---	32.95	---	42.07
GW-7	10/03/17	75.02	---	33.94	---	41.08
GW-7	04/16/18	75.02	---	34.45	---	40.57
GW-7	11/05/18	75.02	---	34.95	---	40.07
GW-7	05/10/19	75.02	---	33.82	---	41.20
GW-7	10/29/19	75.02	---	35.16	---	39.86
GW-7	05/04/20	75.02	---	34.18	---	40.84
GW-7	11/02/20	75.02	---	34.59	---	40.43
GW-7	05/04/21	75.02	---	35.07	---	39.95
GW-8	05/01/98	75.00	---	26.17	---	48.83
GW-8	05/25/99	76.88	---	28.59	---	48.29
GW-8	05/15/00	76.88	---	36.92	---	39.96
GW-8	05/07/01	76.88	---	34.15	---	42.73
GW-8	04/08/02	76.88	---	33.15	---	43.73
GW-8	10/21/02	76.88	---	28.24	---	48.64
GW-8	04/07/03	76.88	---	29.04	---	47.84
GW-8	10/06/03	76.88	---	29.10	---	47.78
GW-8	04/19/04	76.88	---	30.00	---	46.88
GW-8	11/01/04	76.88	---	29.85	---	47.03
GW-8	05/02/05	76.88	---	25.45	---	51.43
GW-8	03/06/06	76.15	---	26.38	---	49.77
GW-8	05/01/06	76.88	---	26.66	---	50.22
GW-8	08/26/06	76.88	---	26.91	---	49.97
GW-8	12/01/06	76.15	---	26.53	---	49.62
GW-8	03/21/07	76.88	---	27.52	---	49.36
GW-8	04/27/07	76.88	---	26.91	---	49.97
GW-8	08/28/07	76.88	---	26.91	---	49.97
GW-8	11/12/07	76.88	---	27.52	---	49.36
GW-8	02/05/08	76.15	---	28.62	---	47.53
GW-8	04/11/08	76.15	---	27.35	---	48.80
GW-8	07/24/08	76.15	---	27.81	---	48.34
GW-8	10/13/08	76.15	---	28.40	---	47.75
GW-8	02/09/09	76.15	---	28.59	---	47.56
GW-8	07/16/09	76.15	---	28.48	---	47.67
GW-8	04/07/10	76.15	---	29.04	---	47.11
GW-8	10/01/10	76.15	---	29.19	---	46.96
GW-8	01/06/11	76.15	---	29.32	---	46.83
GW-8	04/06/11	76.15	---	28.27	---	47.88
GW-8	07/07/11	76.15	---	28.41	---	47.74
GW-8	10/06/11	76.15	---	28.76	---	47.39
GW-8	04/12/12	76.15	---	29.98	---	46.17
GW-8	01/10/13	76.15	---	30.85	---	45.30
GW-8	04/02/13	76.15	---	30.80	---	45.35
GW-8	10/01/13	76.15	---	31.53	---	44.62
GW-8	04/07/14	76.15	---	32.31	---	43.84

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GW-8	04/17/14	76.15	---	31.99	---	44.16
GW-8	10/27/14	76.15	---	32.62	---	43.53
GW-8	04/20/15	76.15	---	32.95	---	43.20
GW-8	04/11/16	76.15	---	NM	---	NC
GW-8	10/03/16	76.15	---	34.58	---	41.57
GW-8	04/17/17	76.15	---	34.29	---	41.86
GW-8	10/02/17	76.15	---	34.88	---	41.27
GW-8	04/16/18	76.15	---	35.22	---	40.93
GW-8	11/05/18	76.15	---	35.75	---	40.40
GW-8	04/16/19	76.15	---	34.68	---	41.47
GW-8	10/29/19	76.15	---	35.70	---	40.45
GW-8	05/04/20	76.15	---	35.55	---	40.60
GW-8	10/19/20	76.88	---	35.79	---	40.36
GW-8	11/02/20	76.88	---	35.79	---	40.36
GW-8	05/03/21	76.15	---	36.01	---	40.14
GW-13(1")	04/11/08	77.10	---	28.30	---	48.80
GW-13(1")	01/11/10	77.10	---	30.24	---	46.86
GW-13(1")	04/07/10	77.10	---	30.08	---	47.02
GW-13(6")	11/12/07	76.85	---	28.31	---	48.54
GW-13(6")	07/24/08	77.45	---	28.91	---	48.54
GW-13(6")	10/13/08	77.45	---	29.29	---	48.16
GW-13(6")	02/09/09	76.85	---	28.88	---	47.97
GW-13(6")	04/20/09	76.85	---	29.48	---	47.37
GW-13(6")	10/19/09	76.85	---	29.92	---	46.93
GW-13(6")	04/12/10	76.85	---	29.91	---	46.94
GW-13(6")	01/06/11	76.85	---	33.10	---	43.75
GW-13(6")	04/08/11	76.85	---	29.49	---	47.36
GW-13(6")	07/07/11	76.85	---	29.45	---	47.40
GW-13(6")	10/06/11	76.85	---	29.64	---	47.21
GW-13(6")	04/12/12	76.85	---	30.52	---	46.33
GW-13(6")	04/18/12	76.85	---	30.27	---	46.58
GW-13(6")	01/10/13	76.85	---	31.63	---	45.22
GW-13(6")	04/02/13	76.85	---	31.51	---	45.34
GW-13(6")	04/08/13	76.85	---	31.41	---	45.44
GW-13(6")	10/01/13	76.85	---	32.24	---	44.61
GW-13(6")	04/07/14	76.85	---	33.28	---	43.57
GW-13(6")	04/15/14	76.85	---	33.00	---	43.85
GW-13(6")	10/27/14	76.85	---	33.35	---	43.50
GW-13(6")	04/20/15	76.85	---	33.72	---	43.13
GW-13(6")	04/11/16	76.85	---	34.82	---	42.03
GW-13(6")	10/03/16	76.85	---	35.32	---	41.53
GW-13(6")	04/17/17	76.85	---	35.35	---	41.50
GW-13(6")	10/02/17	76.85	---	34.17	---	42.68
GW-13(6")	04/16/18	76.85	---	35.36	---	41.49
GW-13(6")	11/05/18	76.85	---	36.85	---	40.00
GW-13(6")	04/15/19	76.85	---	35.89	---	40.96
GW-13(6")	10/29/19	76.85	---	36.61	---	40.24
GW-13(6")	05/05/20	76.85	---	36.50	---	40.35

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GW-13(6")	11/02/20	77.00	---	36.55	---	40.30
GW-13(6")	05/03/21	76.85	---	36.85	---	40.00
GW-14(1")	01/12/10	76.55	---	29.84	---	46.71
GW-14(6")	11/09/07	76.54	---	27.85	---	48.69
GW-14(6")	04/14/08	76.54	---	27.36	---	49.18
GW-14(6")	07/24/08	76.54	---	26.02	---	50.52
GW-14(6")	10/13/08	76.54	---	28.79	---	47.75
GW-14(6")	02/10/09	76.54	---	26.62	---	49.92
GW-14(6")	04/20/09	76.54	---	28.27	---	48.27
GW-14(6")	10/19/09	76.54	---	27.46	---	49.08
GW-14(6")	04/08/10	76.54	---	28.70	---	47.84
GW-14(6")	04/12/10	76.54	---	28.40	---	48.14
GW-14(6")	01/08/11	76.54	---	29.45	---	47.09
GW-14(6")	04/08/11	76.54	---	27.98	---	48.56
GW-14(6")	07/08/11	76.54	---	28.31	---	48.23
GW-14(6")	10/06/11	76.54	---	28.93	---	47.61
GW-14(6")	04/12/12	76.54	---	29.95	---	46.59
GW-14(6")	04/20/12	76.54	---	29.90	---	46.64
GW-14(6")	01/10/13	76.54	---	33.29	---	43.25
GW-14(6")	04/03/13	76.54	---	31.29	---	45.25
GW-14(6")	04/08/13	76.54	---	31.17	---	45.37
GW-14(6")	10/02/13	76.54	---	32.04	---	44.50
GW-14(6")	04/09/14	76.54	---	32.65	---	43.89
GW-14(6")	04/16/14	76.54	---	32.42	---	44.12
GW-14(6")	10/27/14	76.54	---	32.87	---	43.67
GW-14(6")	11/02/20	76.55	---	NM	---	NC
GW-14R	10/30/19	78.77	---	34.87	---	NC
GW-14R	05/05/20	78.77	---	NM	---	NC
GW-14R	05/03/21	78.77	---	34.49	---	44.28
GW-14R(6")	10/03/17	78.77	33.35	35.03	1.68	NC
GW-14R(6")	04/16/18	78.77	33.80	36.50	2.70	NC
GW-14R(6")	11/05/18	78.77	34.22	37.69	3.47	NC
GW-14R(6")	04/15/19	78.77	33.74	34.76	1.02	NC
GW-15(1")	07/24/08	75.36	27.50	27.55	0.05	47.85
GW-15(1")	10/16/08	75.36	28.15	28.16	0.01	47.21
GW-15(1")	02/09/09	75.36	27.98	28.02	0.04	47.37
GW-15(1")	07/17/09	75.36	28.51	28.59	0.08	46.83
GW-15(1")	04/08/10	75.36	27.74	29.43	1.69	47.28
GW-15(6")	04/11/08	74.94	---	26.19	---	48.75
GW-15(6")	10/19/09	74.94	---	NM	---	NC
GW-15(6")	04/12/10	74.94	27.58	29.63	2.05	46.95
GW-15(6")	04/08/11	74.94	26.75	26.76	0.01	48.19
GW-15(6")	07/07/11	74.94	27.57	27.61	0.04	47.36
GW-15(6")	10/06/11	74.94	28.38	28.40	0.02	46.56
GW-15(6")	04/12/12	74.94	29.54	29.55	0.01	45.40
GW-15(6")	01/11/13	74.94	---	30.39	---	44.55
GW-15(6")	04/03/13	74.94	29.13	35.20	6.07	44.60
GW-15(6")	10/02/13	74.94	31.70	35.01	3.31	42.58

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GW-15(6")	04/09/14	74.94	---	32.08	---	42.86
GW-15(6")	04/17/14	74.94	31.50	33.00	1.50	43.14
GW-15(6")	10/27/14	74.94	32.82	32.87	0.05	42.11
GW-15(6")	04/20/15	74.94	---	32.39	---	42.55
GW-15(6")	04/13/16	74.94	33.68	33.75	0.07	41.25
GW-15(6")	10/03/16	74.94	---	34.31	---	40.63
GW-15(6")	04/20/17	74.94	---	33.91	---	41.03
GW-15(6")	10/03/17	74.94	---	33.58	---	41.36
GW-15(6")	04/16/18	74.94	---	34.36	---	40.58
GW-15(6")	11/05/18	74.94	---	NM	---	NC
GW-15(6")	04/18/19	74.94	---	34.51	---	40.43
GW-15(6")	10/29/19	74.94	---	34.03	---	40.91
GW-15(6")	05/05/20	74.94	---	34.25	---	40.69
GW-15(6")	11/02/20	75.36	---	33.79	---	41.15
GW-15(6")	05/04/21	74.94	---	33.94	---	41.00
GW-16(1")	07/17/09	76.55	---	28.87	---	47.68
GW-16(1")	01/12/10	76.55	---	29.94	---	46.61
GW-16(1")	04/07/11	76.33	---	28.55	---	47.78
GW-16(6")	10/19/09	76.33	---	29.94	---	46.39
GW-16(6")	04/12/10	76.33	---	28.71	---	47.62
GW-16(6")	07/07/11	76.33	---	28.96	---	47.37
GW-16(6")	10/06/11	76.33	---	29.34	---	46.99
GW-16(6")	04/12/12	76.33	---	30.12	---	46.21
GW-16(6")	01/11/13	76.33	---	31.30	---	45.03
GW-16(6")	04/03/13	76.33	---	31.10	---	45.23
GW-16(6")	10/02/13	76.33	---	31.77	---	44.56
GW-16(6")	04/09/14	76.33	---	32.09	---	44.24
GW-16(6")	04/16/14	76.33	---	31.95	---	44.38
GW-16(6")	10/27/14	76.33	---	32.46	---	43.87
GW-16(6")	04/20/15	76.33	---	32.71	---	43.62
GW-16(6")	04/13/16	76.33	---	34.12	---	42.21
GW-16(6")	10/03/16	76.33	---	34.65	---	41.68
GW-16(6")	04/18/17	76.33	---	34.07	---	42.26
GW-16(6")	10/03/17	76.33	---	34.57	---	41.76
GW-16(6")	04/16/18	76.33	---	35.31	---	41.02
GW-16(6")	11/05/18	76.33	---	35.85	---	40.48
GW-16(6")	04/16/19	76.33	---	34.97	---	41.36
GW-16(6")	10/28/19	76.33	---	35.26	---	41.07
GW-16(6")	05/04/20	76.33	---	33.80	---	42.53
GW-16(6")	11/02/20	76.55	---	35.22	---	41.11
GW-16(6")	05/03/21	76.33	---	34.94	---	41.39
GWR-1	11/20/96	73.65	---	26.79	---	46.86
GWR-1	07/01/97	73.65	---	27.69	---	45.96
GWR-1	12/31/97	73.65	---	27.34	---	46.31
GWR-1	05/01/98	73.65	---	24.04	---	49.61
GWR-1	05/07/99	73.65	---	25.56	---	48.09
GWR-1	08/09/99	73.65	---	25.64	---	48.01
GWR-1	11/15/99	73.65	---	25.86	---	47.79

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GWR-1	05/15/00	73.65	---	25.65	---	48.00
GWR-1	11/13/00	73.65	---	26.40	---	47.25
GWR-1	05/07/01	73.65	---	24.75	---	48.90
GWR-1	08/07/01	73.65	---	24.39	---	49.26
GWR-1	11/05/01	73.65	---	24.80	---	48.85
GWR-1	04/08/02	73.65	---	29.39	---	44.26
GWR-1	10/21/02	73.65	---	26.03	---	47.62
GWR-1	04/07/03	73.65	---	25.69	---	47.96
GWR-1	10/06/03	73.65	---	25.36	---	48.29
GWR-1	01/11/04	73.65	---	26.72	---	46.93
GWR-1	04/19/04	73.65	---	NM	---	NC
GWR-1	05/02/05	73.65	---	21.62	---	52.03
GWR-1	08/01/05	73.65	---	22.06	---	51.59
GWR-1	10/31/05	73.65	---	24.16	---	49.49
GWR-1	05/01/06	73.65	---	22.70	---	50.95
GWR-1	09/18/06	73.65	---	24.31	---	49.34
GWR-1	12/04/06	73.65	---	23.95	---	49.70
GWR-1	04/30/07	73.65	---	41.65	---	32.00
GWR-1	11/12/07	73.65	---	24.05	---	49.60
GWR-1	04/14/08	73.65	---	24.40	---	49.25
GWR-1	10/13/08	73.65	---	25.06	---	48.59
GWR-1	04/20/09	77.40	---	28.78	---	48.62
GWR-1	10/19/09	77.40	---	29.98	---	47.42
GWR-1	05/24/10	77.40	---	26.37	---	51.03
GWR-1	05/28/10	77.40	---	25.91	---	51.49
GWR-1	10/04/10	77.40	---	26.15	---	51.25
GWR-1	04/11/11	77.40	---	27.50	---	49.90
GWR-1	10/10/11	77.40	---	25.45	---	51.95
GWR-1	04/16/12	77.40	---	27.53	---	49.87
GWR-1	07/09/12	77.40	---	NM	---	NC
GWR-1	10/15/12	77.40	---	29.21	---	48.19
GWR-1	04/08/13	77.40	---	29.28	---	48.12
GWR-1	10/07/13	77.40	---	29.66	---	47.74
GWR-1	04/14/14	77.40	---	30.31	---	47.09
GWR-1	10/27/14	77.40	---	30.81	---	46.59
GWR-1R	04/17/17	76.64	---	33.77	---	42.87
GWR-1R	10/02/17	76.64	---	37.26	---	39.38
GWR-1R	04/16/18	76.64	---	37.21	---	39.43
GWR-1R	11/05/18	76.64	---	37.21	---	39.43
GWR-1R	04/16/19	76.64	---	34.34	---	42.30
GWR-1R	10/28/19	76.64	---	37.24	---	39.40
GWR-1R	05/04/20	76.64	---	34.95	---	41.69
GWR-1R	11/02/20	76.64	---	35.38	---	41.26
GWR-1R	05/03/21	76.64	---	35.91	---	40.73
GWR-2	08/09/99	73.66	---	25.74	---	47.92
GWR-2	10/21/02	73.66	---	25.89	---	47.77
GWR-2	04/07/03	73.66	---	26.68	---	46.98
GWR-3	08/09/99	74.93	27.45	29.30	1.85	47.17

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GWR-3	11/15/99	74.93	---	NM	---	NC
GWR-3	05/15/00	74.93	28.67	31.92	3.25	45.71
GWR-3	11/13/00	74.93	---	37.59	---	37.34
GWR-3	05/07/01	74.93	28.15	27.20	0.95	48.52
GWR-3	11/05/01	74.93	---	27.95	---	46.98
GWR-3	04/08/02	74.93	---	27.58	---	47.35
GWR-3	04/07/03	74.93	---	NM	---	NC
GWR-3	05/02/05	74.93	---	26.12	---	48.81
GWR-3	10/31/05	74.93	---	NM	---	NC
GWR-3	05/01/06	74.93	---	26.46	---	48.47
GWR-3	12/04/06	74.93	---	28.27	---	46.66
GWR-3	04/30/07	74.93	---	27.97	---	46.96
GWR-3	11/12/07	74.93	---	27.90	---	47.03
GWR-3	10/17/08	74.93	---	29.88	---	45.05
GWR-3	12/17/08	74.93	---	19.71	---	55.22
GWR-3	01/15/09	74.93	29.26	29.27	0.26	45.88
GWR-3	03/27/09	74.93	---	27.18	---	47.75
GWR-3	04/21/09	74.93	---	29.97	---	44.96
GWR-3	07/21/09	74.93	---	28.77	---	46.16
GWR-3	10/19/09	74.93	---	NM	---	NC
GWR-3	10/04/10	74.93	---	30.67	---	44.26
GWR-3	04/11/11	74.93	---	29.94	---	44.99
GWR-3	10/10/11	74.93	---	29.22	---	45.71
GWR-3	04/16/12	74.93	---	29.56	---	45.37
GWR-3	07/09/12	---	---	NM	---	NC
GWR-3	10/15/12	77.60	---	31.21	---	46.39
GWR-3	04/08/13	77.60	29.18	29.21	0.03	48.41
GWR-3	10/07/13	77.60	31.67	36.20	4.53	45.16
GWR-3	04/14/14	77.60	32.23	38.80	6.57	44.25
GWR-3	05/05/14	77.60	32.31	38.81	6.50	44.18
GWR-3	05/12/14	77.60	32.77	36.34	3.57	44.22
GWR-3	05/27/14	77.60	33.20	36.11	2.91	43.91
GWR-3	06/04/14	77.60	31.61	34.57	2.96	45.49
GWR-3	08/08/14	77.60	33.38	37.92	4.54	43.45
GWR-3	08/13/14	77.60	33.18	35.38	2.20	44.05
GWR-3	08/19/14	77.60	33.25	35.28	2.03	44.00
GWR-3	08/29/14	77.60	33.12	35.72	2.60	44.04
GWR-3	09/05/14	77.60	33.19	35.68	2.49	43.99
GWR-3	09/11/14	77.60	33.04	36.05	3.01	44.05
GWR-3	09/18/14	77.60	33.27	35.34	2.07	43.98
GWR-3	09/26/14	77.60	33.24	35.25	2.01	44.02
GWR-3	10/01/14	77.60	34.01	36.44	2.43	43.18
GWR-3	10/06/14	77.60	33.33	34.71	1.38	44.04
GWR-3	10/14/14	77.60	33.20	35.15	1.95	44.07
GWR-3	10/23/14	77.60	33.20	35.36	2.16	44.03
GWR-3	10/27/14	77.60	33.49	34.68	1.19	43.91
GWR-3	11/03/14	77.60	33.18	35.43	2.25	44.04
GWR-3	11/10/14	77.60	33.32	35.02	1.70	43.99

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
GWR-3	11/18/14	77.60	33.34	35.05	1.71	43.97
GWR-3	11/25/14	77.60	33.36	35.04	1.68	43.95
GWR-3	12/03/14	77.60	33.34	34.95	1.61	43.99
GWR-3	12/12/14	77.60	33.64	35.11	1.47	43.71
GWR-3	12/19/14	77.60	33.67	35.55	1.88	43.61
GWR-3	04/20/15	77.60	33.34	37.25	3.91	43.60
GWR-3	07/24/15	77.60	33.95	41.30	7.35	42.40
GWR-3	08/12/15	77.60	34.42	37.03	2.61	42.74
GWR-3	10/20/15	77.60	34.65	35.98	1.33	42.72
GWR-3	03/16/16	77.60	---	38.60	---	39.00
GWR-3	04/11/16	77.60	---	36.90	---	40.70
GWR-3	06/29/16	77.60	---	37.77	---	39.83
GWR-3	08/22/16	77.60	---	38.24	---	39.36
GWR-3	10/03/16	77.60	39.15	39.20	0.05	38.44
GWR-3	10/03/16	77.60	39.15	39.20	0.05	NC
GWR-3	04/17/17	77.60	---	34.88	---	42.72
GWR-3	10/02/17	77.60	---	38.92	---	38.68
GWR-3	04/16/18	77.60	---	38.73	---	38.87
GWR-3	11/05/18	77.60	---	38.42	---	39.18
GWR-3	04/16/19	77.60	---	37.16	---	40.44
GWR-3	10/28/19	77.60	---	38.58	---	39.02
GWR-3	05/04/20	77.60	---	36.02	---	41.58
GWR-3	11/02/20	77.60	---	35.51	---	42.09
GWR-3	05/03/21	77.60	---	36.18	---	41.42
HL-1	08/07/01	75.83	---	26.46	---	49.37
HL-1	04/08/02	75.83	---	27.30	---	48.53
HL-1	11/04/02	75.83	---	28.12	---	47.71
HL-1	04/07/03	75.83	---	27.72	---	48.11
HL-1	10/06/03	75.83	---	27.30	---	48.53
HL-1	01/11/04	75.83	---	28.72	---	47.11
HL-1	04/19/04	75.83	---	28.41	---	47.42
HL-1	05/02/05	75.83	---	23.71	---	52.12
HL-1	10/31/05	75.83	---	25.43	---	50.40
HL-2	11/20/96	76.91	---	30.15	---	46.76
HL-2	07/01/97	76.91	---	31.20	---	45.71
HL-2	12/31/97	76.91	---	30.34	---	46.57
HL-2	05/01/98	76.91	---	28.16	---	48.75
HL-2	05/04/99	76.91	---	28.10	---	48.81
HL-2	08/09/99	76.91	---	28.37	---	48.54
HL-2	11/15/99	76.91	---	28.08	---	48.83
HL-2	05/15/00	76.91	---	28.23	---	48.68
HL-2	11/13/00	76.91	---	29.21	---	47.70
HL-2	05/07/01	76.91	---	25.99	---	50.92
HL-2	05/10/01	76.91	---	27.89	---	49.02
HL-2	11/05/01	76.91	---	27.76	---	49.15
HL-2	04/08/02	76.91	---	28.12	---	48.79
HL-2	10/21/02	76.91	---	28.40	---	48.51
HL-2	04/07/03	76.91	---	28.70	---	48.21

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
HL-2	07/07/03	76.94	---	28.61	---	48.33
HL-2	10/06/03	76.91	---	28.50	---	48.41
HL-2	01/11/04	76.94	---	DRY	---	NC
HL-2	01/20/04	76.94	---	28.90	---	48.04
HL-2	04/19/04	76.94	---	29.24	---	47.70
HL-2	04/27/04	76.94	---	29.38	---	47.56
HL-2	06/07/04	76.94	---	29.58	---	47.36
HL-2	07/08/04	76.94	---	29.59	---	47.35
HL-2	05/02/05	76.94	---	26.61	---	50.33
HL-2	10/31/05	76.94	---	25.80	---	51.14
HL-2	05/01/06	76.94	---	26.04	---	50.90
HL-2	12/04/06	76.94	---	26.83	---	50.11
HL-2	04/30/07	76.94	---	26.81	---	50.13
HL-2	11/12/07	76.94	---	27.29	---	49.65
HL-2	04/14/08	76.94	---	27.10	---	49.84
HL-2	10/13/08	76.94	---	28.06	---	48.88
HL-2	04/20/09	76.94	---	28.28	---	48.66
HL-2	10/19/09	76.94	---	29.03	---	47.91
HL-2	05/24/10	76.94	---	29.36	---	47.58
HL-2	05/28/10	76.94	---	29.38	---	47.56
HL-2	10/04/10	76.94	---	29.25	---	47.69
HL-2	01/10/11	76.94	---	29.90	---	47.04
HL-2	04/11/11	76.94	---	28.73	---	48.21
HL-2	07/11/11	76.94	---	NM	---	NC
HL-2	10/10/11	76.94	---	28.54	---	48.40
HL-2	01/09/12	76.94	---	29.10	---	47.84
HL-2	04/16/12	76.94	---	29.50	---	47.44
HL-2	07/09/12	76.94	---	30.22	---	46.72
HL-2	10/15/12	76.94	---	30.22	---	46.72
HL-2	01/14/13	76.94	---	31.02	---	45.92
HL-2	04/08/13	76.94	---	30.99	---	45.95
HL-2	10/07/13	76.94	---	32.21	---	44.73
HL-2	04/14/14	76.94	---	32.53	---	44.41
HL-2	10/27/14	76.94	---	32.89	---	44.05
HL-2	04/20/15	76.94	---	33.37	---	43.57
HL-2	10/19/15	76.94	---	34.08	---	42.86
HL-2	04/11/16	76.94	---	35.51	---	41.43
HL-2	10/03/16	76.94	---	35.17	---	41.77
HL-2	10/03/16	76.94	---	35.17	---	41.77
HL-2	04/17/17	76.94	---	34.45	---	42.49
HL-2	10/02/17	76.94	---	37.24	---	39.70
HL-2	04/16/18	76.94	---	37.21	---	39.73
HL-2	11/05/18	76.94	---	37.61	---	39.33
HL-2	04/16/19	76.94	---	36.52	---	40.42
HL-2	10/28/19	76.94	---	37.81	---	39.13
HL-2	05/04/20	76.94	---	35.62	---	41.32
HL-2	11/02/20	76.94	---	36.00	---	40.94
HL-2	05/03/21	76.94	---	36.43	---	40.51

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
HL-3	05/07/01	76.86	---	27.92	---	48.94
HL-3	11/05/01	76.86	---	27.99	---	48.87
HL-3	04/08/02	76.86	---	28.73	---	48.13
HL-3	10/21/02	76.86	---	29.13	---	47.73
HL-3	04/07/03	76.86	---	29.04	---	47.82
HL-3	10/06/03	76.86	---	28.74	---	48.12
HL-3	01/11/04	76.86	---	30.21	---	46.65
HL-3	04/19/04	76.86	---	29.98	---	46.88
HL-3	05/02/05	76.86	---	24.80	---	52.06
HL-3	10/31/05	76.86	---	26.28	---	50.58
HL-3	05/01/06	76.86	---	26.01	---	50.85
HL-3	12/04/06	76.86	---	26.86	---	50.00
HL-3	04/30/07	76.86	---	26.92	---	49.94
HL-3	11/12/07	76.86	---	27.39	---	49.47
HL-3	04/14/08	76.86	---	27.62	---	49.24
HL-3	10/13/08	76.86	---	28.29	---	48.57
HL-3	04/20/09	76.86	---	28.45	---	48.41
HL-3	10/19/09	76.86	---	29.46	---	47.40
HL-3	05/24/10	76.86	---	29.27	---	47.59
HL-3	05/28/10	76.86	---	29.34	---	47.52
HL-3	10/04/10	76.86	---	29.36	---	47.50
HL-3	04/11/11	76.86	---	28.28	---	48.58
HL-3	10/10/11	76.86	---	28.70	---	48.16
HL-3	04/16/12	76.86	---	29.83	---	47.03
HL-3	07/09/12	76.86	---	NM	---	NC
HL-3	10/15/12	76.86	---	30.64	---	46.22
HL-3	04/08/13	76.86	---	31.61	---	45.25
HL-3	10/07/13	76.86	---	32.50	---	44.36
HL-3	04/14/14	76.86	---	32.68	---	44.18
HL-3	10/27/14	76.86	---	32.93	---	43.93
HL-3	04/20/15	76.86	---	33.43	---	43.43
HL-3	10/19/15	76.86	---	34.15	---	42.71
HL-3	03/14/16	76.86	---	36.84	---	40.02
HL-3	04/11/16	76.86	---	36.03	---	40.83
HL-3	06/29/16	76.86	---	36.60	---	40.26
HL-3	08/22/16	76.86	---	36.53	---	40.33
HL-3	10/03/16	76.86	---	37.22	---	39.64
HL-3	10/03/16	76.86	---	37.22	---	39.64
HL-3	04/17/17	76.86	---	34.06	---	42.80
HL-3	10/02/17	76.86	---	37.15	---	39.71
HL-3	04/16/18	76.86	---	37.49	---	39.37
HL-3	11/05/18	76.86	---	37.39	---	39.47
HL-3	04/16/19	76.86	---	32.95	---	43.91
HL-3	10/28/19	76.86	---	37.27	---	39.59
HL-3	05/04/20	76.86	---	35.23	---	41.63
HL-3	11/02/20	76.86	---	35.83	---	41.03
HL-3	05/03/21	76.86	---	36.40	---	40.46
HL-4	11/20/96	75.75	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
HL-4	07/01/97	75.75	---	NM	---	NC
HL-4	12/31/97	75.75	---	NM	---	NC
HL-4	05/01/98	75.75	---	NM	---	NC
HL-4	05/07/99	75.75	---	27.76	---	47.99
HL-4	08/09/99	75.75	---	27.77	---	47.98
HL-4	11/15/99	75.75	---	27.85	---	47.90
HL-4	05/15/00	75.75	---	19.32	---	56.43
HL-4	11/13/00	75.75	---	28.59	---	47.16
HL-4	05/07/01	75.75	---	26.93	---	48.82
HL-4	08/07/01	75.75	---	NM	---	NC
HL-4	11/05/01	75.75	---	26.90	---	48.85
HL-4	04/08/02	75.75	---	27.42	---	48.33
HL-4	10/21/02	75.75	---	28.02	---	47.73
HL-4	04/07/03	75.75	---	25.86	---	49.89
HL-4	10/06/03	75.75	---	27.59	---	48.16
HL-4	01/11/04	75.75	---	29.01	---	46.74
HL-4	04/19/04	75.75	---	28.81	---	46.94
HL-5	08/07/01	76.53	---	27.29	---	49.24
HL-5	10/21/02	76.13	---	28.40	---	47.73
HL-5	04/07/03	76.13	---	26.06	---	50.07
HL-5	10/06/03	76.13	---	27.65	---	48.48
HL-5	01/11/04	76.13	---	29.07	---	47.06
HL-5	04/19/04	76.13	---	28.88	---	47.25
MW-6	11/20/96	77.20	---	30.88	---	46.32
MW-6	07/01/97	77.20	---	32.12	---	45.08
MW-6	12/31/97	77.20	---	31.26	---	45.94
MW-6	05/01/98	77.20	---	29.15	---	48.05
MW-6	05/03/99	77.20	---	29.46	---	47.74
MW-6	08/09/99	77.20	---	29.65	---	47.55
MW-6	11/15/99	77.20	---	29.73	---	47.47
MW-6	05/15/00	77.20	---	29.39	---	47.81
MW-6	11/13/00	77.20	---	30.70	---	46.50
MW-6	05/07/01	77.20	---	28.88	---	48.32
MW-6	11/05/01	77.20	---	28.53	---	48.67
MW-6	04/08/02	77.20	---	29.29	---	47.91
MW-6	04/08/02	77.20	---	29.51	---	47.69
MW-6	10/21/02	77.20	---	29.40	---	47.80
MW-6	04/07/03	77.20	---	29.67	---	47.53
MW-6	10/06/03	77.20	---	29.48	---	47.72
MW-6	01/11/04	77.20	---	30.31	---	46.89
MW-6	04/19/04	77.20	---	30.29	---	46.91
MW-6	05/02/05	77.20	---	27.00	---	50.20
MW-6	10/31/05	77.20	---	26.36	---	50.84
MW-6	05/01/06	77.20	---	26.79	---	50.41
MW-6	12/04/06	77.20	---	27.41	---	49.79
MW-6	04/30/07	77.20	---	27.47	---	49.73
MW-6	11/12/07	77.20	---	27.72	---	49.48
MW-6	04/14/08	77.20	---	28.13	---	49.07

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-6	10/13/08	77.20	---	30.63	---	46.57
MW-6	04/20/09	77.20	---	28.80	---	48.40
MW-6	10/19/09	77.20	---	29.48	---	47.72
MW-6	05/24/10	77.20	---	30.33	---	46.87
MW-6	05/28/10	77.20	---	30.17	---	47.03
MW-6	10/04/10	77.20	---	29.80	---	47.40
MW-6	04/11/11	77.20	---	29.14	---	48.06
MW-6	10/10/11	77.20	---	29.04	---	48.16
MW-6	04/16/12	77.20	---	30.10	---	47.10
MW-6	07/09/12	77.20	---	NM	---	NC
MW-6	10/15/12	77.20	---	30.91	---	46.29
MW-6	04/08/13	77.20	---	31.30	---	45.90
MW-6	10/07/13	77.20	---	32.14	---	45.06
MW-6	04/14/14	77.20	---	32.98	---	44.22
MW-6	10/27/14	77.20	---	33.33	---	43.87
MW-6	04/20/15	77.20	---	33.79	---	43.41
MW-6	10/19/15	77.20	---	34.47	---	42.73
MW-6	04/11/16	77.20	---	35.25	---	41.95
MW-6	10/03/16	77.20	---	35.13	---	42.07
MW-6	10/03/16	77.20	---	35.13	---	42.07
MW-6	04/17/17	77.20	---	34.93	---	42.27
MW-6	10/02/17	77.20	---	35.97	---	41.23
MW-6	04/16/18	77.20	---	36.44	---	40.76
MW-6	11/05/18	77.20	---	36.89	---	40.31
MW-6	04/16/19	77.20	---	35.45	---	41.75
MW-6	10/28/19	77.20	---	36.77	---	40.43
MW-6	05/04/20	77.20	---	36.31	---	40.89
MW-6	11/02/20	77.20	---	36.56	---	40.64
MW-6	05/03/21	77.20	---	36.96	---	40.24
MW-7	11/20/96	78.13	---	32.65	---	45.48
MW-7	07/01/97	78.13	---	34.04	---	44.09
MW-7	12/31/97	78.13	---	32.78	---	45.35
MW-7	05/01/98	78.13	---	30.17	---	47.96
MW-7	05/03/99	78.13	---	30.64	---	47.49
MW-7	08/09/99	78.13	---	30.56	---	47.57
MW-7	11/15/99	78.13	---	30.40	---	47.73
MW-7	05/15/00	78.13	---	30.30	---	47.83
MW-7	11/13/00	78.13	---	31.69	---	46.44
MW-7	05/07/01	78.13	---	29.43	---	48.70
MW-7	11/05/01	78.13	---	29.34	---	48.79
MW-7	04/08/02	78.13	---	30.05	---	48.08
MW-7	10/21/02	78.13	---	30.42	---	47.71
MW-7	04/07/03	78.13	---	31.46	---	46.67
MW-7	10/06/03	78.13	---	30.50	---	47.63
MW-7	01/11/04	78.13	---	32.16	---	45.97
MW-7	04/19/04	78.13	---	32.30	---	45.83
MW-7	05/02/05	78.13	---	27.06	---	51.07
MW-7	10/31/05	78.13	---	27.11	---	51.02

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-7	05/01/06	78.13	---	27.51	---	50.62
MW-7	12/04/06	78.13	---	28.34	---	49.79
MW-7	04/30/07	78.13	---	28.37	---	49.76
MW-7	11/12/07	78.13	---	28.73	---	49.40
MW-7	04/14/08	78.13	---	29.75	---	48.38
MW-7	10/13/08	78.13	---	29.63	---	48.50
MW-7	04/20/09	78.13	---	29.76	---	48.37
MW-7	10/19/09	78.13	---	30.70	---	47.43
MW-7	05/24/10	78.13	---	30.70	---	47.43
MW-7	05/28/10	78.13	---	30.68	---	47.45
MW-7	10/04/10	78.13	---	28.16	---	49.97
MW-7	04/11/11	78.13	---	29.64	---	48.49
MW-7	10/10/11	78.13	---	30.02	---	48.11
MW-7	04/16/12	78.13	---	31.04	---	47.09
MW-7	07/09/12	78.13	---	NM	---	NC
MW-7	10/15/12	78.13	---	31.81	---	46.32
MW-7	04/08/13	78.13	---	32.54	---	45.59
MW-7	10/07/13	78.13	---	33.04	---	45.09
MW-7	04/14/14	78.13	---	34.00	---	44.13
MW-7	10/27/14	78.13	---	34.19	---	43.94
MW-7	04/20/15	78.13	---	34.70	---	43.43
MW-7	10/19/15	78.13	---	35.36	---	42.77
MW-7	04/11/16	78.13	---	36.75	---	41.38
MW-7	10/03/16	78.13	---	37.90	---	40.23
MW-7	10/03/16	78.13	---	37.90	---	40.23
MW-7	04/17/17	78.13	---	35.26	---	42.87
MW-7	10/02/17	78.13	---	37.74	---	40.39
MW-7	04/16/18	78.13	---	38.07	---	40.06
MW-7	11/05/18	78.13	---	38.41	---	39.72
MW-7	04/16/19	78.13	---	35.07	---	43.06
MW-7	10/28/19	78.13	---	38.16	---	39.97
MW-7	05/04/20	78.13	---	36.78	---	41.35
MW-7	11/02/20	78.13	---	37.26	---	40.87
MW-7	05/03/21	78.13	---	37.70	---	40.43
MW-8	11/20/96	76.06	---	28.06	---	48.00
MW-8	05/03/99	76.06	---	25.82	---	50.24
MW-8	08/09/99	76.06	---	26.30	---	49.76
MW-8	11/15/99	76.06	---	26.93	---	49.13
MW-8	05/15/00	76.06	---	26.64	---	49.42
MW-8	11/13/00	76.06	---	27.69	---	48.37
MW-8	02/05/01	76.06	---	27.15	---	48.91
MW-8	05/07/01	76.06	---	25.43	---	50.63
MW-8	09/18/01	76.06	---	25.87	---	50.19
MW-8	11/05/01	76.06	---	NM	---	NC
MW-8	01/29/02	76.06	---	26.33	---	49.73
MW-8	04/08/02	76.06	---	26.70	---	49.36
MW-8	10/21/02	76.06	---	27.87	---	48.19
MW-8	01/27/03	76.06	---	27.39	---	48.67

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-8	04/07/03	76.06	---	26.75	---	49.31
MW-8	07/31/03	76.06	---	26.56	---	49.50
MW-8	10/06/03	76.06	---	26.82	---	49.24
MW-8	01/11/04	76.06	---	28.25	---	47.81
MW-8	01/27/04	76.06	---	27.52	---	48.54
MW-8	04/19/04	76.06	---	29.21	---	46.85
MW-8	07/19/04	76.06	---	27.68	---	48.38
MW-8	02/01/05	76.06	---	26.49	---	49.57
MW-8	05/02/05	76.06	---	22.01	---	54.05
MW-8	08/01/05	76.06	---	23.19	---	52.87
MW-8	10/31/05	76.06	---	25.72	---	50.34
MW-8	02/27/06	76.06	---	24.41	---	51.65
MW-8	05/01/06	76.06	---	24.37	---	51.69
MW-8	09/18/06	76.06	---	25.21	---	50.85
MW-8	12/04/06	76.06	---	25.46	---	50.60
MW-8	03/12/07	76.06	---	25.98	---	50.08
MW-8	04/30/07	76.06	---	25.18	---	50.88
MW-8	08/28/07	76.06	---	26.90	---	49.16
MW-8	11/12/07	76.06	---	26.40	---	49.66
MW-8	02/19/08	76.06	---	26.79	---	49.27
MW-8	04/14/08	76.06	---	26.29	---	49.77
MW-8	10/13/08	76.06	---	27.27	---	48.79
MW-8	04/20/09	76.06	---	27.19	---	48.87
MW-8	10/19/09	76.06	---	28.71	---	47.35
MW-8	05/24/10	76.06	---	27.91	---	48.15
MW-8	05/28/10	76.06	---	27.90	---	48.16
MW-8	10/04/10	76.06	---	28.16	---	47.90
MW-8	01/10/11	76.06	---	28.53	---	47.53
MW-8	04/11/11	76.06	---	26.84	---	49.22
MW-8	07/11/11	76.06	---	NM	---	NC
MW-8	10/10/11	76.06	---	27.65	---	48.41
MW-8	01/09/12	76.06	---	28.31	---	47.75
MW-8	04/16/12	76.06	---	28.77	---	47.29
MW-8	07/09/12	76.06	---	29.63	---	46.43
MW-8	10/15/12	76.06	---	29.48	---	46.58
MW-8	01/14/13	76.06	---	30.82	---	45.24
MW-8	04/08/13	76.06	---	30.56	---	45.50
MW-8	10/07/13	76.06	---	31.15	---	44.91
MW-8	04/14/14	76.06	---	31.10	---	44.96
MW-8	10/27/14	76.06	---	31.51	---	44.55
MW-8	04/20/15	76.06	---	31.86	---	44.20
MW-8	10/19/15	76.06	---	32.69	---	43.37
MW-8	04/11/16	76.06	---	33.57	---	42.49
MW-8	10/03/16	76.06	---	34.20	---	41.86
MW-8	10/03/16	76.06	---	34.20	---	41.86
MW-8	04/17/17	76.06	---	32.21	---	43.85
MW-8	10/02/17	76.06	---	33.64	---	42.42
MW-8	04/16/18	76.06	---	34.66	---	41.40

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-8	11/05/18	76.06	---	35.37	---	40.69
MW-8	04/16/19	76.06	---	33.13	---	42.93
MW-8	10/28/19	76.06	---	32.13	---	43.93
MW-8	05/04/20	76.06	---	31.31	---	44.75
MW-8	11/02/20	76.06	---	26.46	---	49.60
MW-8	05/03/21	76.06	---	30.70	---	45.36
MW-9	11/20/96	77.11	---	29.76	---	47.35
MW-9	07/01/97	77.11	---	29.41	---	47.70
MW-9	12/31/97	77.11	---	29.72	---	47.39
MW-9	05/01/98	77.11	---	26.20	---	50.91
MW-9	08/09/99	77.11	28.08	28.50	0.42	48.95
MW-9	11/15/99	77.11	---	28.58	---	48.53
MW-9	11/19/99	77.11	---	NM	---	NC
MW-9	11/13/00	77.11	28.92	28.94	0.02	48.19
MW-9	05/07/01	77.11	---	24.26	---	52.85
MW-9	05/10/01	77.11	---	27.13	---	49.98
MW-9	09/18/01	77.11	27.49	27.50	0.01	49.62
MW-9	11/05/01	77.11	---	27.59	---	49.52
MW-9	04/08/02	77.11	28.21	28.30	0.09	48.88
MW-9	10/21/02	77.11	29.10	29.16	0.06	48.00
MW-9	04/07/03	77.11	28.41	28.42	0.01	48.70
MW-9	10/06/03	77.11	28.47	28.48	0.01	48.64
MW-9	01/11/04	77.11	---	29.63	---	47.48
MW-9	04/19/04	77.11	27.50	27.53	0.03	49.60
MW-9	05/02/05	77.11	---	23.61	---	53.50
MW-9	10/31/05	77.11	25.31	25.62	0.31	51.74
MW-9	05/01/06	77.11	25.71	25.75	0.04	51.39
MW-9	12/04/06	77.11	---	26.67	---	50.44
MW-9	04/30/07	77.11	---	27.29	---	49.82
MW-9	08/28/07	77.11	25.29	26.88	1.59	51.50
MW-9	11/12/07	77.11	27.65	27.69	0.04	49.45
MW-9	04/14/08	77.11	---	27.87	---	49.24
MW-9	10/13/08	77.11	---	28.43	---	48.68
MW-9	04/20/09	77.11	---	28.14	---	48.97
MW-9	10/19/09	77.11	29.36	29.40	0.04	47.74
MW-9	05/24/10	77.11	---	29.11	---	48.00
MW-9	05/28/10	77.11	---	29.04	---	48.07
MW-9	10/04/10	77.11	---	29.35	---	47.76
MW-9	04/11/11	77.11	---	28.18	---	48.93
MW-9	10/10/11	77.11	---	28.66	---	48.45
MW-9	04/16/12	77.11	---	30.22	---	46.89
MW-9	07/09/12	77.11	---	NM	---	NC
MW-9	10/15/12	77.11	---	31.30	---	45.81
MW-9	04/08/13	77.11	---	31.40	---	45.71
MW-9	10/07/13	77.11	---	31.95	---	45.16
MW-9	04/14/14	77.11	---	32.55	---	44.56
MW-9	10/27/14	77.11	---	32.89	---	44.22
MW-9	04/20/15	77.11	---	33.24	---	43.87

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-9	10/19/15	77.11	---	34.05	---	43.06
MW-9	04/11/16	77.11	---	35.43	---	41.68
MW-9	10/03/16	77.11	---	33.56	---	43.55
MW-9	10/03/16	77.11	---	33.56	---	43.55
MW-9	04/17/17	77.11	---	31.80	---	45.31
MW-9	10/02/17	77.11	---	36.45	---	40.66
MW-9	04/16/18	77.11	---	36.90	---	40.21
MW-9	11/05/18	77.11	---	37.19	---	39.92
MW-9	04/16/19	77.11	---	35.42	---	41.69
MW-9	10/30/19	77.11	---	35.25	---	41.86
MW-9	05/04/20	77.11	---	34.62	---	42.49
MW-9	11/02/20	77.11	---	34.78	---	42.33
MW-9	05/03/21	77.11	---	35.63	---	41.48
MW-10	11/20/96	79.12	---	32.80	---	46.32
MW-10	07/01/97	79.12	---	32.86	---	46.26
MW-10	12/31/97	79.12	---	32.92	---	46.20
MW-10	05/01/98	79.12	---	30.28	---	48.84
MW-10	05/25/99	79.12	---	30.79	---	48.33
MW-10	05/15/00	79.12	---	32.32	---	46.80
MW-10	11/13/00	79.12	---	30.90	---	48.22
MW-10	05/07/01	79.12	---	31.21	---	47.91
MW-10	04/08/02	79.12	---	31.91	---	47.21
MW-10	10/21/02	79.12	---	31.53	---	47.59
MW-10	04/07/03	79.12	---	31.15	---	47.97
MW-10	10/06/03	79.12	---	31.11	---	48.01
MW-10	04/19/04	79.12	---	32.12	---	47.00
MW-10	11/01/04	79.12	---	31.96	---	47.16
MW-10	05/02/05	79.12	---	27.68	---	51.44
MW-10	03/06/06	79.12	---	28.44	---	50.68
MW-10	05/01/06	79.12	---	28.87	---	50.25
MW-10	08/26/06	79.12	---	29.17	---	49.95
MW-10	12/01/06	79.12	---	29.52	---	49.60
MW-10	03/21/07	79.12	---	29.71	---	49.41
MW-10	04/27/07	79.12	---	29.90	---	49.22
MW-10	08/28/07	79.12	---	30.22	---	48.90
MW-10	11/12/07	79.12	---	30.50	---	48.62
MW-10	02/05/08	79.12	---	30.90	---	48.22
MW-10	04/11/08	79.12	---	30.31	---	48.81
MW-10	07/24/08	79.12	---	30.48	---	48.64
MW-10	10/13/08	79.12	---	31.39	---	47.73
MW-10	02/09/09	79.12	---	30.05	---	49.07
MW-10	07/16/09	79.12	---	31.42	---	47.70
MW-10	04/07/10	79.12	---	32.00	---	47.12
MW-10	10/01/10	79.12	---	32.09	---	47.03
MW-10	01/06/11	79.12	---	32.22	---	46.90
MW-10	04/08/11	79.12	---	31.24	---	47.88
MW-10	07/07/11	79.12	---	31.37	---	47.75
MW-10	10/06/11	79.12	---	31.71	---	47.41

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-10	04/12/12	79.12	---	32.63	---	46.49
MW-10	01/10/13	79.12	---	33.78	---	45.34
MW-10	04/02/13	79.12	---	33.70	---	45.42
MW-10	04/07/14	79.12	---	35.23	---	43.89
MW-10	04/14/16	79.12	---	37.01	---	42.11
MW-11	11/20/96	78.17	31.31	33.60	2.29	46.40
MW-11	07/01/97	78.17	31.89	34.15	2.26	45.83
MW-11	12/31/97	78.17	31.42	33.49	2.07	46.34
MW-11	05/01/98	78.17	26.96	28.75	1.79	50.85
MW-11	05/25/99	78.17	29.93	29.95	0.02	48.24
MW-11	05/15/00	78.17	---	29.88	---	48.29
MW-11	11/13/00	78.17	---	31.47	---	46.70
MW-11	05/07/01	78.17	---	28.95	---	49.22
MW-11	04/08/02	78.17	---	30.70	---	47.47
MW-11	10/21/02	78.17	---	29.98	---	48.19
MW-11	04/07/03	78.17	---	29.95	---	48.22
MW-11	10/06/03	78.17	---	30.36	---	47.81
MW-11	04/19/04	78.17	---	31.94	---	46.23
MW-11	11/01/04	78.17	---	30.80	---	47.37
MW-11	05/02/05	78.17	---	26.97	---	51.20
MW-11	05/01/06	78.17	---	27.86	---	50.31
MW-11	08/26/06	78.17	---	28.28	---	49.89
MW-11	12/01/06	78.17	---	28.56	---	49.61
MW-11	04/30/07	78.17	---	28.94	---	49.23
MW-11	11/12/07	78.17	---	29.50	---	48.67
MW-11	04/11/08	78.17	---	29.15	---	49.02
MW-11	10/14/08	78.17	---	30.18	---	47.99
MW-11	04/20/09	78.17	---	30.00	---	48.17
MW-11	10/19/09	78.17	---	30.91	---	47.26
MW-11	04/07/10	78.17	---	30.72	---	47.45
MW-11	04/12/10	78.17	---	30.55	---	47.62
MW-11	10/01/10	78.17	---	30.97	---	47.20
MW-11	01/07/11	78.17	---	31.12	---	47.05
MW-11	04/12/12	78.17	---	31.52	---	46.65
MW-11	04/19/12	78.17	---	31.34	---	46.83
MW-11	04/05/13	78.17	---	32.71	---	45.46
MW-12	11/20/96	75.76	---	28.97	---	46.79
MW-12	07/01/97	75.76	---	29.49	---	46.27
MW-12	12/31/97	75.76	---	28.98	---	46.78
MW-12	05/01/98	75.76	---	26.27	---	49.49
MW-12	05/04/99	75.76	---	27.53	---	48.23
MW-12	11/15/99	75.76	---	27.65	---	48.11
MW-12	05/15/00	75.76	---	30.34	---	45.42
MW-12	11/13/00	75.76	---	27.44	---	48.32
MW-12	11/13/00	75.76	---	27.38	---	48.38
MW-12	05/07/01	75.76	---	26.72	---	49.04
MW-12	11/05/01	75.76	---	26.75	---	49.01
MW-12	04/08/02	75.76	---	27.52	---	48.24

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-12	04/08/02	75.76	---	27.70	---	48.06
MW-12	10/21/02	75.76	---	28.08	---	47.68
MW-12	10/21/02	75.76	---	28.09	---	47.67
MW-12	04/07/03	75.76	---	27.77	---	47.99
MW-12	10/06/03	75.76	---	27.60	---	48.16
MW-12	01/11/04	75.76	---	29.91	---	45.85
MW-12	04/19/04	75.76	---	28.71	---	47.05
MW-12	05/02/05	75.76	---	23.56	---	52.20
MW-12	05/02/05	75.76	---	23.42	---	52.34
MW-12	10/31/05	75.76	---	25.61	---	50.15
MW-12	05/01/06	75.76	---	25.09	---	50.67
MW-12	05/01/06	75.76	---	24.85	---	50.91
MW-12	12/01/06	75.76	---	25.65	---	50.11
MW-12	12/04/06	75.76	---	25.69	---	50.07
MW-12	04/30/07	75.76	---	26.25	---	49.51
MW-12	04/30/07	75.76	---	25.80	---	49.96
MW-12	11/12/07	75.76	---	27.12	---	48.64
MW-12	11/12/07	75.76	---	26.23	---	49.53
MW-12	04/11/08	75.76	---	26.69	---	49.07
MW-12	04/14/08	75.76	---	29.47	---	46.29
MW-12	10/13/08	75.76	---	27.30	---	48.46
MW-12	10/14/08	75.76	---	27.59	---	48.17
MW-12	04/20/09	75.76	---	27.34	---	48.42
MW-12	10/19/09	75.76	---	28.88	---	46.88
MW-12	04/08/10	75.76	---	27.93	---	47.83
MW-12	05/24/10	75.76	---	28.16	---	47.60
MW-12	05/28/10	75.76	---	28.10	---	47.66
MW-12	10/04/10	75.76	---	28.21	---	47.55
MW-12	04/11/11	75.76	---	27.14	---	48.62
MW-12	10/10/11	75.76	---	27.92	---	47.84
MW-12	04/16/12	75.76	---	29.10	---	46.66
MW-12	07/09/12	75.76	---	NM	---	NC
MW-12	10/15/12	75.76	---	30.31	---	45.45
MW-12	04/08/13	75.76	---	30.53	---	45.23
MW-12	10/07/13	75.76	---	31.02	---	44.74
MW-12	04/14/14	75.76	---	31.61	---	44.15
MW-12	10/27/14	75.76	---	31.88	---	43.88
MW-12	04/20/15	75.76	---	32.39	---	43.37
MW-12	11/06/15	75.76	---	34.12	---	41.64
MW-12	04/11/16	75.76	---	34.56	---	41.20
MW-12	10/03/16	75.76	---	35.84	---	39.92
MW-12	10/03/16	75.76	---	35.84	---	39.92
MW-12	04/17/17	75.76	---	32.97	---	42.79
MW-12	10/02/17	75.76	---	35.85	---	39.91
MW-12	04/16/18	75.76	---	35.98	---	39.78
MW-12	11/05/18	75.76	---	36.27	---	39.49
MW-12	04/16/19	75.76	---	29.07	---	46.69
MW-12	10/28/19	75.76	---	36.14	---	39.62

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-12	05/04/20	75.76	---	34.06	---	41.70
MW-12	11/02/20	75.76	---	34.54	---	41.22
MW-12	05/03/21	75.76	---	35.23	---	40.53
MW-13	11/20/96	78.25	---	31.60	---	46.65
MW-13	07/01/97	78.25	---	30.70	---	47.55
MW-13	12/31/97	78.25	---	31.24	---	47.01
MW-13	05/01/98	78.25	---	28.22	---	50.03
MW-13	05/25/99	78.25	---	29.19	---	49.06
MW-13	05/15/00	78.25	---	29.95	---	48.30
MW-13	11/13/00	78.25	---	27.21	---	51.04
MW-13	02/05/01	78.25	---	29.42	---	48.83
MW-13	05/07/01	78.25	---	28.95	---	49.30
MW-13	04/08/02	78.25	---	30.33	---	47.92
MW-13	09/19/02	78.25	---	30.73	---	47.52
MW-13	10/21/02	78.25	---	30.88	---	47.37
MW-13	04/07/03	78.25	---	30.05	---	48.20
MW-13	10/06/03	78.25	---	29.76	---	48.49
MW-13	04/19/04	78.25	---	30.50	---	47.75
MW-13	11/01/04	78.25	---	30.85	---	47.40
MW-13	02/28/05	78.25	---	27.54	---	50.71
MW-13	05/02/05	78.25	---	25.62	---	52.63
MW-13	03/06/06	78.25	---	27.70	---	50.55
MW-13	05/01/06	78.25	---	27.70	---	50.55
MW-13	08/26/06	78.25	---	28.04	---	50.21
MW-13	12/01/06	78.25	---	28.49	---	49.76
MW-13	03/21/07	78.25	---	28.58	---	49.67
MW-13	04/27/07	78.25	---	29.00	---	49.25
MW-13	08/28/07	78.25	---	29.10	---	49.15
MW-13	11/12/07	78.25	---	29.46	---	48.79
MW-13	02/05/08	78.25	---	30.00	---	48.25
MW-13	04/11/08	78.25	---	29.23	---	49.02
MW-13	07/24/08	78.25	---	29.71	---	48.54
MW-13	10/13/08	78.25	---	30.50	---	47.75
MW-13	02/09/09	78.25	---	29.88	---	48.37
MW-13	04/20/09	78.25	---	30.00	---	48.25
MW-13	07/16/09	78.25	---	30.51	---	47.74
MW-13	10/19/09	78.25	---	30.85	---	47.40
MW-13	04/07/10	78.25	---	30.83	---	47.42
MW-13	04/12/10	78.25	---	30.82	---	47.43
MW-13	01/06/11	78.25	---	31.27	---	46.98
MW-13	04/07/11	78.25	---	29.93	---	48.32
MW-13	07/07/11	78.25	---	30.19	---	48.06
MW-13	10/06/11	78.25	---	30.78	---	47.47
MW-13	04/12/12	78.25	---	31.76	---	46.49
MW-13	04/17/12	78.25	---	31.46	---	46.79
MW-13	01/10/13	78.25	---	32.78	---	45.47
MW-13	04/02/13	78.25	---	32.76	---	45.49
MW-13	04/08/13	78.25	---	32.75	---	45.50

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-13	10/01/13	78.25	---	33.48	---	44.77
MW-13	04/09/14	78.25	---	34.03	---	44.22
MW-13	04/15/14	78.25	---	33.93	---	44.32
MW-13	10/27/14	78.25	---	34.39	---	43.86
MW-13	04/20/15	78.25	---	34.42	---	43.83
MW-13	04/12/16	78.25	---	36.02	---	42.23
MW-13	10/03/16	78.25	---	36.45	---	41.80
MW-13	04/17/17	78.25	---	35.65	---	42.60
MW-13	10/03/17	78.25	---	36.48	---	41.77
MW-13	04/16/18	78.25	---	37.02	---	41.23
MW-13	11/05/18	78.25	---	37.67	---	40.58
MW-13	04/16/19	78.25	---	36.89	---	41.36
MW-13	10/28/19	78.25	---	35.16	---	43.09
MW-13	05/04/20	78.25	---	37.04	---	41.21
MW-13	10/19/20	78.25	---	37.12	---	41.13
MW-13	11/02/20	78.25	---	37.12	---	41.13
MW-13	05/03/21	78.25	---	37.67	---	40.58
MW-14	11/20/96	78.60	---	32.52	---	46.08
MW-14	07/01/97	78.60	---	33.64	---	44.96
MW-14	12/31/97	78.60	---	32.91	---	45.69
MW-14	05/01/98	78.60	---	30.93	---	47.67
MW-14	02/03/99	78.60	---	30.99	---	47.61
MW-14	05/07/99	78.60	---	31.84	---	46.76
MW-14	05/25/99	78.60	---	30.85	---	47.75
MW-14	08/09/99	78.60	---	32.23	---	46.37
MW-14	02/29/00	78.60	---	31.43	---	47.17
MW-14	05/15/00	78.60	---	31.22	---	47.38
MW-14	08/28/00	78.60	---	31.78	---	46.82
MW-14	11/13/00	78.60	---	31.72	---	46.88
MW-14	02/05/01	78.60	---	31.25	---	47.35
MW-14	05/07/01	78.60	---	30.55	---	48.05
MW-14	05/07/01	78.60	---	NM	---	NC
MW-14	09/18/01	78.60	---	30.42	---	48.18
MW-14	01/29/02	78.60	---	30.89	---	47.71
MW-14	04/08/02	78.60	---	31.22	---	47.38
MW-14	07/29/02	78.60	---	31.02	---	47.58
MW-14	10/21/02	78.60	---	31.08	---	47.52
MW-14	01/27/03	78.60	---	30.78	---	47.82
MW-14	04/07/03	78.60	---	30.90	---	47.70
MW-14	10/06/03	78.60	---	30.96	---	47.64
MW-14	04/19/04	78.60	---	31.51	---	47.09
MW-14	11/01/04	78.60	---	31.61	---	46.99
MW-14	02/28/05	78.60	---	29.79	---	48.81
MW-14	05/02/05	78.60	---	28.31	---	50.29
MW-14	03/06/06	78.60	---	28.34	---	50.26
MW-14	05/01/06	78.60	---	28.76	---	49.84
MW-14	08/26/06	78.60	---	28.89	---	49.71
MW-14	12/01/06	78.60	---	29.15	---	49.45

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-14	03/21/07	78.60	---	29.21	---	49.39
MW-14	04/30/07	78.60	---	29.44	---	49.16
MW-14	08/28/07	78.60	---	29.77	---	48.83
MW-14	11/12/07	78.60	---	29.91	---	48.69
MW-14	02/05/08	78.60	---	30.24	---	48.36
MW-14	04/11/08	78.60	---	29.73	---	48.87
MW-14	07/24/08	78.60	---	30.21	---	48.39
MW-14	10/13/08	78.60	---	30.71	---	47.89
MW-14	02/09/09	78.60	---	30.77	---	47.83
MW-14	04/20/09	78.60	---	30.80	---	47.80
MW-14	07/16/09	78.60	---	31.21	---	47.39
MW-14	07/20/09	78.60	---	31.31	---	47.29
MW-14	10/19/09	78.60	---	31.43	---	47.17
MW-14	01/11/10	78.60	---	31.94	---	46.66
MW-14	04/07/10	78.60	---	31.79	---	46.81
MW-14	04/12/10	78.60	---	31.44	---	47.16
MW-14	01/06/11	78.60	---	32.86	---	45.74
MW-14	04/06/11	78.60	---	31.13	---	47.47
MW-14	07/07/11	78.60	---	31.13	---	47.47
MW-14	10/06/11	78.60	---	31.31	---	47.29
MW-14	01/09/12	78.60	---	31.40	---	47.20
MW-14	04/12/12	78.60	---	32.07	---	46.53
MW-14	04/18/12	78.60	---	31.83	---	46.77
MW-14	01/11/13	78.60	---	33.24	---	45.36
MW-14	04/02/13	78.60	---	33.13	---	45.47
MW-14	04/08/13	78.60	---	33.80	---	44.80
MW-14	10/01/13	78.60	---	33.90	---	44.70
MW-14	04/07/14	78.60	---	34.98	---	43.62
MW-14	10/27/14	78.60	---	35.03	---	43.57
MW-14	04/20/15	78.60	---	35.38	---	43.22
MW-14	04/11/16	78.60	---	36.49	---	42.11
MW-14	10/03/16	78.60	---	36.37	---	42.23
MW-14	04/17/17	78.60	---	36.99	---	41.61
MW-14	10/02/17	78.60	---	37.31	---	41.29
MW-14	04/16/18	78.60	---	37.64	---	40.96
MW-14	11/05/18	78.60	---	38.17	---	40.43
MW-14	04/15/19	78.60	---	37.67	---	40.93
MW-14	10/29/19	78.60	---	36.19	---	42.41
MW-14	05/04/20	78.60	---	38.10	---	40.50
MW-14	11/02/20	78.60	---	38.25	---	40.35
MW-14	05/04/21	78.60	---	38.56	---	40.04
MW-15	11/20/96	76.99	---	29.78	---	47.21
MW-15	07/01/97	76.99	---	29.53	---	47.46
MW-15	12/31/97	76.99	---	29.90	---	47.09
MW-15	05/01/98	76.99	---	26.57	---	50.42
MW-15	05/03/99	76.99	---	28.06	---	48.93
MW-15	08/09/99	76.99	---	28.35	---	48.64
MW-15	11/15/99	76.99	---	28.59	---	48.40

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-15	05/15/00	76.99	---	28.36	---	48.63
MW-15	11/13/00	76.99	---	29.05	---	47.94
MW-15	05/07/01	76.99	---	27.36	---	49.63
MW-15	11/05/01	76.99	---	27.64	---	49.35
MW-15	04/08/02	76.99	---	28.39	---	48.60
MW-15	07/29/02	76.99	---	29.04	---	47.95
MW-15	10/21/02	76.99	29.14	29.15	0.01	47.85
MW-15	04/07/03	76.99	28.51	28.52	0.01	48.48
MW-15	10/06/03	76.99	28.38	28.39	0.01	48.61
MW-15	01/11/04	76.99	29.55	29.64	0.09	47.42
MW-15	04/19/04	76.99	27.60	27.61	0.01	49.39
MW-15	05/02/05	76.99	22.88	22.93	0.05	54.10
MW-15	10/31/05	76.99	27.60	27.81	0.21	49.35
MW-15	05/01/06	76.99	---	25.92	---	51.07
MW-15	12/04/06	76.99	---	26.76	---	50.23
MW-15	04/30/07	76.99	---	28.17	---	48.82
MW-15	11/12/07	76.99	27.02	28.25	1.23	49.72
MW-15	04/14/08	76.99	27.40	28.37	0.97	49.40
MW-15	04/14/08	76.99	27.33	28.31	0.98	49.46
MW-15	10/13/08	76.99	---	29.05	---	47.94
MW-15	04/20/09	76.99	28.24	28.98	0.74	48.60
MW-15	10/19/09	76.99	29.21	30.37	1.16	47.55
MW-15	05/24/10	76.99	28.60	29.49	0.89	48.21
MW-15	05/28/10	76.99	28.57	29.46	0.89	48.24
MW-15	10/04/10	76.99	29.14	30.19	1.05	47.64
MW-15	04/11/11	76.99	28.16	28.62	0.46	48.74
MW-15	10/10/11	76.99	28.59	29.30	---	47.69
MW-15	04/27/12	76.99	---	31.50	---	45.49
MW-15	07/09/12	76.99	---	NM	---	NC
MW-15	10/15/12	76.99	31.36	32.38	1.02	45.43
MW-15	04/08/13	76.99	31.44	32.40	0.96	45.36
MW-15	10/07/13	76.99	31.87	32.18	0.31	45.06
MW-15	04/14/14	76.99	32.59	32.70	0.11	44.38
MW-15	10/27/14	76.99	---	33.33	---	43.66
MW-15R	04/17/17	---	---	34.41	---	NC
MW-15R	10/02/17	74.85	---	34.58	---	40.27
MW-15R	04/16/18	---	---	34.83	---	NC
MW-15R	11/05/18	74.85	---	35.08	---	39.77
MW-15R	04/16/19	74.85	---	33.11	---	41.74
MW-15R	10/28/19	74.85	---	35.00	---	39.85
MW-15R	05/04/20	74.85	---	32.59	---	42.26
MW-15R	11/02/20	74.85	---	33.03	---	41.82
MW-15R	05/03/21	74.85	---	33.57	---	41.28
MW-16	11/20/96	76.87	---	29.84	---	47.03
MW-16	07/01/97	76.87	---	28.17	---	48.70
MW-16	12/31/97	76.87	---	28.47	---	48.40
MW-16	05/01/98	76.87	---	23.99	---	52.88
MW-16	05/25/99	76.87	---	27.49	---	49.38

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-16	05/15/00	76.87	---	28.17	---	48.70
MW-16	11/13/00	76.87	---	28.83	---	48.04
MW-16	05/07/01	76.87	---	27.05	---	49.82
MW-16	02/01/02	76.87	---	27.46	---	49.41
MW-16	04/08/02	76.87	---	28.36	---	48.51
MW-16	10/21/02	76.87	---	28.97	---	47.90
MW-16	01/27/03	76.87	---	28.62	---	48.25
MW-16	04/07/03	76.87	---	28.22	---	48.65
MW-16	07/30/03	76.87	---	27.87	---	49.00
MW-16	10/06/03	76.87	---	28.00	---	48.87
MW-16	01/27/04	76.87	---	28.56	---	48.31
MW-16	04/19/04	76.87	---	28.79	---	48.08
MW-16	07/19/04	76.87	---	28.79	---	48.08
MW-16	11/01/04	76.87	---	29.50	---	47.37
MW-16	02/01/05	76.87	---	27.16	---	49.71
MW-16	05/02/05	76.87	---	23.28	---	53.59
MW-16	08/01/05	76.87	---	24.36	---	52.51
MW-16	03/06/06	76.87	---	25.92	---	50.95
MW-16	05/01/06	76.87	---	25.85	---	51.02
MW-16	08/26/06	76.87	---	26.32	---	50.55
MW-16	09/18/06	76.87	---	26.32	---	50.55
MW-16	12/01/06	76.87	---	26.83	---	50.04
MW-16	03/21/07	76.87	---	27.15	---	49.72
MW-16	04/30/07	76.87	---	27.27	---	49.60
MW-16	08/28/07	76.87	---	27.85	---	49.02
MW-16	11/12/07	76.87	---	27.84	---	49.03
MW-16	02/05/08	76.87	---	28.88	---	47.99
MW-16	04/14/08	76.87	---	27.34	---	49.53
MW-16	07/24/08	76.87	---	28.01	---	48.86
MW-16	10/14/08	76.87	---	28.58	---	48.29
MW-16	02/10/09	76.87	---	28.54	---	48.33
MW-16	04/20/09	76.87	---	28.22	---	48.65
MW-16	07/16/09	76.87	---	29.12	---	47.75
MW-16	10/19/09	76.87	---	29.30	---	47.57
MW-16	04/08/10	76.87	---	28.71	---	48.16
MW-16	04/12/10	76.87	---	28.83	---	48.04
MW-16	01/08/11	76.87	---	29.63	---	47.24
MW-16	04/07/11	76.87	---	27.99	---	48.88
MW-16	07/08/11	76.87	---	28.34	---	48.53
MW-16	10/06/11	76.87	---	28.95	---	47.92
MW-16	04/12/12	76.87	---	30.16	---	46.71
MW-16	04/17/12	76.87	---	29.84	---	47.03
MW-16	01/10/13	76.87	---	31.47	---	45.40
MW-16	04/03/13	76.87	---	31.53	---	45.34
MW-16	04/08/13	76.87	---	31.51	---	45.36
MW-16	10/02/13	76.87	---	32.14	---	44.73
MW-16	04/09/14	76.87	---	32.68	---	44.19
MW-16	10/27/14	76.87	---	32.84	---	44.03

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-16	04/20/15	76.87	---	33.24	---	43.63
MW-16	04/12/16	76.87	---	34.91	---	41.96
MW-16	10/03/16	76.87	---	35.42	---	41.45
MW-16	04/18/17	76.87	---	33.81	---	43.06
MW-16	10/03/17	76.87	---	35.26	---	41.61
MW-16	04/16/18	76.87	---	36.06	---	40.81
MW-16	11/05/18	76.87	---	36.64	---	40.23
MW-16	04/16/19	76.87	---	34.76	---	42.11
MW-16	10/28/19	76.87	---	35.65	---	41.22
MW-16	05/04/20	76.87	---	34.72	---	42.15
MW-16	11/02/20	76.87	---	35.42	---	41.45
MW-16	05/03/21	76.87	---	34.96	---	41.91
MW-17	11/20/96	77.86	---	30.83	---	47.03
MW-17	07/01/97	77.86	---	29.40	---	48.46
MW-17	12/31/97	77.86	---	30.31	---	47.55
MW-17	05/01/98	77.86	---	26.49	---	51.37
MW-17	05/25/99	77.86	---	28.44	---	49.42
MW-17	05/15/00	77.86	---	29.09	---	48.77
MW-17	11/13/00	77.86	---	30.74	---	47.12
MW-17	05/07/01	77.86	---	27.81	---	50.05
MW-17	04/08/02	77.86	---	29.16	---	48.70
MW-17	10/21/02	77.86	---	30.20	---	47.66
MW-17	04/07/03	77.86	---	29.05	---	48.81
MW-17	10/06/03	77.86	---	28.90	---	48.96
MW-17	04/19/04	77.86	---	29.72	---	48.14
MW-17	11/01/04	77.86	---	30.33	---	47.53
MW-17	05/02/05	77.86	---	24.30	---	53.56
MW-17	03/06/06	77.86	---	26.85	---	51.01
MW-17	05/01/06	77.86	---	26.90	---	50.96
MW-17	08/26/06	77.86	---	27.41	---	50.45
MW-17	12/01/06	77.86	---	27.90	---	49.96
MW-17	03/21/07	77.86	---	27.99	---	49.87
MW-17	04/27/07	77.86	---	28.45	---	49.41
MW-17	08/28/07	77.86	---	28.45	---	49.41
MW-17	11/12/07	77.86	---	28.91	---	48.95
MW-17	02/05/08	77.86	---	29.46	---	48.40
MW-17	04/11/08	77.86	---	28.51	---	49.35
MW-17	07/24/08	77.86	---	29.11	---	48.75
MW-17	10/13/08	77.86	---	30.00	---	47.86
MW-17	02/09/09	77.86	---	29.36	---	48.50
MW-17	04/20/09	77.86	---	29.31	---	48.55
MW-17	07/16/09	77.86	---	32.25	---	45.61
MW-17	10/19/09	77.86	---	30.72	---	47.14
MW-17	04/07/10	77.86	---	29.92	---	47.94
MW-17	04/12/10	77.86	---	29.92	---	47.94
MW-17	01/06/11	77.86	---	30.93	---	46.93
MW-17	04/07/11	77.86	---	28.97	---	48.89
MW-17	07/07/11	77.86	---	29.49	---	48.37

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-17	10/06/11	77.86	---	30.17	---	47.69
MW-17	04/12/12	77.86	---	31.35	---	46.51
MW-17	04/17/12	77.86	---	30.99	---	46.87
MW-17	01/10/13	77.86	---	32.34	---	45.52
MW-17	04/02/13	77.86	---	32.44	---	45.42
MW-17	04/08/13	77.86	---	32.43	---	45.43
MW-17	10/01/13	77.86	---	33.07	---	44.79
MW-17	04/09/14	77.86	---	33.45	---	44.41
MW-17	04/16/14	77.86	---	33.02	---	44.84
MW-17	10/27/14	77.86	---	33.76	---	44.10
MW-17	04/20/15	77.86	---	34.06	---	43.80
MW-17	04/13/16	77.86	---	35.57	---	42.29
MW-17	10/03/16	77.86	---	36.05	---	41.81
MW-17	04/18/17	77.86	---	35.22	---	42.64
MW-17	10/03/17	77.86	---	35.78	---	42.08
MW-17	04/16/18	77.86	---	36.94	---	40.92
MW-17	11/05/18	77.86	---	37.47	---	40.39
MW-17	04/16/19	77.86	---	36.11	---	41.75
MW-17	10/28/19	77.86	---	36.41	---	41.45
MW-17	05/04/20	77.86	---	36.15	---	41.71
MW-17	11/02/20	77.86	---	36.31	---	41.55
MW-17	05/03/21	77.86	---	36.80	---	41.06
MW-18 (MID)	11/20/96	75.67	---	32.82	---	42.85
MW-18 (MID)	07/01/97	75.67	---	29.10	---	46.57
MW-18 (MID)	12/31/97	75.67	32.67	33.25	0.58	42.88
MW-18 (MID)	05/01/98	75.67	29.81	29.83	0.02	45.86
MW-18 (MID)	08/09/99	75.67	---	31.33	---	44.34
MW-18 (MID)	11/15/99	75.67	---	NM	---	NC
MW-18 (MID)	11/19/99	75.67	---	31.86	---	43.81
MW-18 (MID)	05/15/00	75.67	---	24.58	---	51.09
MW-18 (MID)	11/13/00	75.67	---	26.78	---	48.89
MW-18 (MID)	05/07/01	75.67	---	30.38	---	45.29
MW-18 (MID)	08/07/01	75.67	---	30.46	---	45.21
MW-18 (MID)	11/05/01	75.67	---	30.66	---	45.01
MW-18 (MID)	04/08/02	75.67	---	31.22	---	44.45
MW-18 (MID)	10/21/02	75.67	---	32.24	---	43.43
MW-18 (MID)	04/07/03	75.67	---	NM	---	NC
MW-18 (MID)	10/06/03	75.67	---	31.42	---	44.25
MW-18 (MID)	01/11/04	75.67	---	NM	---	NC
MW-18 (MID)	04/19/04	75.67	---	32.34	---	43.33
MW-18 (MID)	05/02/05	75.67	---	27.67	---	48.00
MW-18 (MID)	10/31/05	75.67	---	25.96	---	49.71
MW-18 (MID)	05/01/06	75.67	---	28.92	---	46.75
MW-18 (MID)	12/04/06	75.67	---	29.74	---	45.93
MW-18 (MID)	04/30/07	75.67	---	29.77	---	45.90
MW-18 (MID)	11/12/07	75.67	---	30.23	---	45.44
MW-18 (MID)	04/14/08	75.67	---	30.45	---	45.22
MW-18 (MID)	10/13/08	75.67	---	31.15	---	44.52

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-18 (MID)	04/20/09	75.67	---	31.49	---	44.18
MW-18 (MID)	10/19/09	75.67	---	32.62	---	43.05
MW-18 (MID)	05/24/10	75.67	---	32.26	---	43.41
MW-18 (MID)	05/28/10	75.67	---	32.17	---	43.50
MW-18 (MID)	10/04/10	75.67	---	32.30	---	43.37
MW-18 (MID)	04/11/11	75.67	---	31.28	---	44.39
MW-18 (MID)	10/10/11	75.67	---	31.51	---	44.16
MW-18 (MID)	04/16/12	75.67	---	31.75	---	43.92
MW-18 (MID)	07/09/12	75.67	---	NM	---	NC
MW-18 (MID)	10/15/12	75.67	---	33.41	---	42.26
MW-18 (MID)	04/08/13	75.67	---	30.68	---	44.99
MW-18 (MID)	10/07/13	75.67	---	35.33	---	40.34
MW-18 (MID)	04/14/14	75.67	---	35.40	---	40.27
MW-18 (MID)	10/27/14	75.67	---	35.81	---	39.86
MW-18 (MID)	04/20/15	75.67	---	36.29	---	39.38
MW-18 (MID)	10/19/15	75.67	---	36.99	---	38.68
MW-18 (MID)	03/14/16	75.67	---	40.70	---	34.97
MW-18 (MID)	04/11/16	75.67	---	38.89	---	36.78
MW-18 (MID)	06/29/16	75.67	---	39.94	---	35.73
MW-18 (MID)	08/22/16	75.67	---	40.14	---	35.53
MW-18 (MID)	10/03/16	75.67	---	40.93	---	34.74
MW-18 (MID)	10/03/16	75.67	---	40.93	---	34.74
MW-18 (MID)	04/17/17	75.67	---	37.50	---	38.17
MW-18 (MID)	10/02/17	75.67	---	40.26	---	35.41
MW-18 (MID)	04/16/18	75.67	---	40.46	---	35.21
MW-18 (MID)	11/05/18	75.67	---	40.50	---	35.17
MW-18 (MID)	04/16/19	75.67	---	38.39	---	37.28
MW-18 (MID)	10/28/19	75.67	---	40.42	---	35.25
MW-18 (MID)	05/04/20	75.67	---	37.96	---	37.71
MW-18 (MID)	11/02/20	75.67	---	34.83	---	40.84
MW-18 (MID)	05/03/21	75.67	---	38.57	---	37.10
MW-19 (MID)	11/20/96	78.14	---	32.04	---	46.10
MW-19 (MID)	07/01/97	78.14	---	33.51	---	44.63
MW-19 (MID)	12/31/97	78.14	---	33.72	---	44.42
MW-19 (MID)	05/01/98	78.14	---	29.48	---	48.66
MW-19 (MID)	02/03/99	78.14	---	29.05	---	49.09
MW-19 (MID)	05/03/99	78.14	---	30.91	---	47.23
MW-19 (MID)	08/09/99	78.14	---	30.90	---	47.24
MW-19 (MID)	11/15/99	78.14	---	30.63	---	47.51
MW-19 (MID)	02/29/00	78.14	---	29.59	---	48.55
MW-19 (MID)	05/15/00	78.14	---	25.27	---	52.87
MW-19 (MID)	08/28/00	78.14	---	32.23	---	45.91
MW-19 (MID)	11/13/00	78.14	---	31.90	---	46.24
MW-19 (MID)	02/05/01	78.14	---	30.55	---	47.59
MW-19 (MID)	05/07/01	78.14	---	29.82	---	48.32
MW-19 (MID)	09/18/01	78.14	---	29.81	---	48.33
MW-19 (MID)	11/05/01	78.14	---	29.71	---	48.43
MW-19 (MID)	01/29/02	78.14	---	30.00	---	48.14

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-19 (MID)	04/08/02	78.14	---	30.12	---	48.02
MW-19 (MID)	10/21/02	78.14	---	41.44	---	36.70
MW-19 (MID)	04/07/03	78.14	---	31.94	---	46.20
MW-19 (MID)	10/06/03	78.14	---	31.10	---	47.04
MW-19 (MID)	01/11/04	78.14	---	32.97	---	45.17
MW-19 (MID)	04/19/04	78.14	---	33.87	---	44.27
MW-19 (MID)	05/02/05	78.14	---	28.00	---	50.14
MW-19 (MID)	10/31/05	78.14	---	28.35	---	49.79
MW-19 (MID)	05/01/06	78.14	---	28.70	---	49.44
MW-19 (MID)	12/04/06	78.14	---	29.65	---	48.49
MW-19 (MID)	04/30/07	78.14	---	29.68	---	48.46
MW-19 (MID)	11/12/07	78.14	---	30.44	---	47.70
MW-19 (MID)	04/14/08	78.14	---	30.70	---	47.44
MW-19 (MID)	10/13/08	78.14	---	32.63	---	45.51
MW-19 (MID)	04/20/09	78.14	---	31.75	---	46.39
MW-19 (MID)	10/19/09	78.14	---	32.88	---	45.26
MW-19 (MID)	05/24/10	78.14	---	33.16	---	44.98
MW-19 (MID)	05/28/10	78.14	---	33.11	---	45.03
MW-19 (MID)	04/11/11	78.14	---	32.64	---	45.50
MW-19 (MID)	10/10/11	78.14	---	32.64	---	45.50
MW-19 (MID)	04/16/12	78.14	---	33.42	---	44.72
MW-19 (MID)	07/09/12	78.14	---	NM	---	NC
MW-19 (MID)	10/15/12	78.14	---	34.29	---	43.85
MW-19 (MID)	04/08/13	78.14	---	34.81	---	43.33
MW-19 (MID)	10/07/13	78.14	---	36.14	---	42.00
MW-19 (MID)	04/14/14	78.14	---	36.37	---	41.77
MW-19 (MID)	10/27/14	78.14	---	37.09	---	41.05
MW-19 (MID)	04/20/15	78.14	---	37.61	---	40.53
MW-19 (MID)	10/19/15	78.14	---	38.26	---	39.88
MW-19 (MID)	04/11/16	78.14	---	32.97	---	45.17
MW-19 (MID)	10/03/16	78.14	---	40.60	---	37.54
MW-19 (MID)	10/03/16	78.14	---	40.60	---	37.54
MW-19 (MID)	04/17/17	78.14	---	38.62	---	39.52
MW-19 (MID)	10/02/17	78.14	---	40.50	---	37.64
MW-19 (MID)	04/16/18	78.14	---	40.76	---	37.38
MW-19 (MID)	11/05/18	78.14	---	41.21	---	36.93
MW-19 (MID)	04/16/19	78.14	---	38.11	---	40.03
MW-19 (MID)	10/28/19	78.14	---	41.18	---	36.96
MW-19 (MID)	05/04/20	78.14	---	39.92	---	38.22
MW-19 (MID)	11/02/20	78.14	---	40.40	---	37.74
MW-19 (MID)	05/03/21	78.14	---	41.65	---	36.49
MW-20 (MID)	11/20/96	77.19	---	31.98	---	45.21
MW-20 (MID)	07/01/97	77.19	---	33.31	---	43.88
MW-20 (MID)	12/31/97	77.19	---	32.89	---	44.30
MW-20 (MID)	05/01/98	77.19	---	29.81	---	47.38
MW-20 (MID)	05/03/99	77.19	---	30.63	---	46.56
MW-20 (MID)	08/09/99	77.19	---	31.07	---	46.12
MW-20 (MID)	11/15/99	77.19	---	31.00	---	46.19

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-20 (MID)	05/15/00	77.19	---	30.65	---	46.54
MW-20 (MID)	11/13/00	77.19	---	32.10	---	45.09
MW-20 (MID)	05/07/01	77.19	---	30.14	---	47.05
MW-20 (MID)	09/18/01	77.19	---	30.15	---	47.04
MW-20 (MID)	11/05/01	77.19	---	30.09	---	47.10
MW-20 (MID)	04/08/02	77.19	---	30.82	---	46.37
MW-20 (MID)	04/08/02	77.19	---	36.14	---	41.05
MW-20 (MID)	10/21/02	77.19	---	31.12	---	46.07
MW-20 (MID)	04/07/03	77.19	---	31.25	---	45.94
MW-20 (MID)	10/06/03	77.19	---	31.35	---	45.84
MW-20 (MID)	01/11/04	77.19	---	32.33	---	44.86
MW-20 (MID)	04/19/04	77.19	---	32.04	---	45.15
MW-20 (MID)	05/02/05	77.19	---	28.73	---	48.46
MW-20 (MID)	10/31/05	77.19	---	28.61	---	48.58
MW-20 (MID)	05/01/06	77.19	---	28.65	---	48.54
MW-20 (MID)	12/04/06	77.19	---	29.37	---	47.82
MW-20 (MID)	04/30/07	77.19	---	29.35	---	47.84
MW-20 (MID)	11/12/07	77.19	---	29.98	---	47.21
MW-20 (MID)	04/14/08	77.19	---	30.21	---	46.98
MW-20 (MID)	10/13/08	77.19	---	30.93	---	46.26
MW-20 (MID)	04/20/09	77.19	---	31.09	---	46.10
MW-20 (MID)	10/19/09	77.19	---	32.11	---	45.08
MW-20 (MID)	05/24/10	77.19	---	32.33	---	44.86
MW-20 (MID)	05/28/10	77.19	---	32.29	---	44.90
MW-20 (MID)	04/11/11	77.19	---	31.39	---	45.80
MW-20 (MID)	10/10/11	77.19	---	31.55	---	45.64
MW-20 (MID)	04/16/12	77.19	---	32.20	---	44.99
MW-20 (MID)	07/09/12	77.19	---	NM	---	NC
MW-20 (MID)	10/15/12	77.19	---	33.05	---	44.14
MW-20 (MID)	04/08/13	77.19	---	33.35	---	43.84
MW-20 (MID)	10/07/13	77.19	---	34.37	---	42.82
MW-20 (MID)	04/14/14	77.19	---	34.95	---	42.24
MW-20 (MID)	10/27/14	77.19	---	35.65	---	41.54
MW-20 (MID)	04/20/15	77.19	---	35.94	---	41.25
MW-20 (MID)	10/19/15	77.19	---	37.73	---	39.46
MW-20 (MID)	04/11/16	77.19	---	37.55	---	39.64
MW-20 (MID)	10/03/16	77.19	---	38.22	---	38.97
MW-20 (MID)	10/03/16	77.19	---	38.22	---	38.97
MW-20 (MID)	04/17/17	77.19	---	37.30	---	39.89
MW-20 (MID)	10/02/17	77.19	---	38.44	---	38.75
MW-20 (MID)	04/16/18	77.19	---	38.73	---	38.46
MW-20 (MID)	11/05/18	77.19	---	39.37	---	37.82
MW-20 (MID)	04/16/19	77.19	---	36.49	---	40.70
MW-20 (MID)	10/28/19	77.19	---	39.30	---	37.89
MW-20 (MID)	05/04/20	77.19	---	38.41	---	38.78
MW-20 (MID)	11/02/20	77.19	---	38.90	---	38.29
MW-20 (MID)	05/03/21	77.19	---	39.00	---	38.19
MW-21 (MID)	05/04/99	77.55	---	28.99	---	48.56

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-21 (MID)	08/09/99	77.55	---	29.67	---	47.88
MW-21 (MID)	11/15/99	77.55	---	30.50	---	47.05
MW-21 (MID)	05/15/00	77.55	---	27.30	---	50.25
MW-21 (MID)	11/13/00	77.55	---	30.41	---	47.14
MW-21 (MID)	05/07/01	77.55	---	28.68	---	48.87
MW-21 (MID)	11/05/01	77.55	---	28.67	---	48.88
MW-21 (MID)	04/08/02	77.55	---	49.51	---	28.04
MW-21 (MID)	10/21/02	77.55	---	29.92	---	47.63
MW-21 (MID)	04/07/03	77.55	---	29.90	---	47.65
MW-21 (MID)	10/06/03	77.55	---	29.51	---	48.04
MW-21 (MID)	01/11/04	77.55	---	30.91	---	46.64
MW-21 (MID)	04/19/04	77.55	---	30.66	---	46.89
MW-21 (MID)	05/02/05	77.55	---	25.61	---	51.94
MW-21 (MID)	10/31/05	77.55	---	26.31	---	51.24
MW-21 (MID)	05/01/06	77.55	---	26.66	---	50.89
MW-21 (MID)	12/04/06	77.55	---	27.55	---	50.00
MW-21 (MID)	04/30/07	77.55	---	27.68	---	49.87
MW-21 (MID)	11/12/07	77.55	---	28.08	---	49.47
MW-21 (MID)	04/14/08	77.55	---	28.32	---	49.23
MW-21 (MID)	10/13/08	77.55	---	28.96	---	48.59
MW-21 (MID)	04/20/09	77.55	---	29.19	---	48.36
MW-21 (MID)	10/19/09	77.55	---	30.30	---	47.25
MW-21 (MID)	05/24/10	77.55	---	30.00	---	47.55
MW-21 (MID)	05/28/10	77.55	---	29.97	---	47.58
MW-21 (MID)	04/11/11	77.55	---	29.00	---	48.55
MW-21 (MID)	10/10/11	77.55	---	29.44	---	48.11
MW-21 (MID)	04/16/12	77.55	---	30.54	---	47.01
MW-21 (MID)	07/09/12	77.55	---	NM	---	NC
MW-21 (MID)	10/15/12	77.55	---	31.23	---	46.32
MW-21 (MID)	04/08/13	77.55	---	32.29	---	45.26
MW-21 (MID)	10/07/13	77.55	---	32.62	---	44.93
MW-21 (MID)	04/14/14	77.55	---	33.38	---	44.17
MW-21 (MID)	10/27/14	77.55	---	33.62	---	43.93
MW-21 (MID)	04/20/15	77.55	---	34.08	---	43.47
MW-21 (MID)	10/19/15	77.55	---	34.77	---	42.78
MW-21 (MID)	04/11/16	77.55	---	36.42	---	41.13
MW-21 (MID)	10/03/16	77.55	---	37.83	---	39.72
MW-21 (MID)	10/03/16	77.55	---	37.83	---	39.72
MW-21 (MID)	04/17/17	77.55	---	34.74	---	42.81
MW-21 (MID)	10/02/17	77.55	---	37.85	---	39.70
MW-21 (MID)	04/16/18	77.55	---	37.93	---	39.62
MW-21 (MID)	11/05/18	77.55	---	38.11	---	39.44
MW-21 (MID)	04/16/19	77.55	---	33.63	---	43.92
MW-21 (MID)	10/28/19	77.55	---	37.93	---	39.62
MW-21 (MID)	05/04/20	77.55	---	35.92	---	41.63
MW-21 (MID)	11/02/20	77.55	---	36.51	---	41.04
MW-21 (MID)	05/03/21	77.55	---	37.06	---	40.49
MW-22 (MID)	11/20/96	79.57	---	34.39	---	45.18

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-22 (MID)	07/01/97	79.57	---	35.42	---	44.15
MW-22 (MID)	12/31/97	79.57	---	34.06	---	45.51
MW-22 (MID)	05/01/98	79.57	---	32.12	---	47.45
MW-22 (MID)	02/02/99	79.57	---	31.76	---	47.81
MW-22 (MID)	05/04/99	79.57	---	32.60	---	46.97
MW-22 (MID)	05/25/99	79.57	---	32.02	---	47.55
MW-22 (MID)	08/09/99	79.57	---	33.24	---	46.33
MW-22 (MID)	02/29/00	79.57	---	32.76	---	46.81
MW-22 (MID)	05/15/00	79.57	---	32.72	---	46.85
MW-22 (MID)	08/28/00	79.57	---	33.80	---	45.77
MW-22 (MID)	11/13/00	79.57	---	32.61	---	46.96
MW-22 (MID)	11/13/00	79.57	---	33.47	---	46.10
MW-22 (MID)	02/05/01	79.57	---	32.62	---	46.95
MW-22 (MID)	05/07/01	79.57	---	32.05	---	47.52
MW-22 (MID)	05/07/01	79.57	---	32.01	---	47.56
MW-22 (MID)	09/18/01	79.57	---	32.07	---	47.50
MW-22 (MID)	11/05/01	79.57	---	NM	---	NC
MW-22 (MID)	01/29/02	79.57	---	32.32	---	47.25
MW-22 (MID)	04/08/02	79.57	---	32.61	---	46.96
MW-22 (MID)	07/29/02	79.57	---	32.76	---	46.81
MW-22 (MID)	10/21/02	79.57	---	32.66	---	46.91
MW-22 (MID)	01/27/03	79.57	---	32.44	---	47.13
MW-22 (MID)	04/07/03	79.57	---	32.50	---	47.07
MW-22 (MID)	10/06/03	79.57	---	32.98	---	46.59
MW-22 (MID)	04/19/04	79.57	---	33.32	---	46.25
MW-22 (MID)	11/01/04	79.57	---	33.44	---	46.13
MW-22 (MID)	02/28/05	79.57	---	31.66	---	47.91
MW-22 (MID)	05/02/05	79.57	---	29.93	---	49.64
MW-22 (MID)	03/06/06	79.57	---	30.12	---	49.45
MW-22 (MID)	05/01/06	79.57	---	30.54	---	49.03
MW-22 (MID)	08/26/06	79.57	---	31.04	---	48.53
MW-22 (MID)	12/01/06	79.57	---	31.18	---	48.39
MW-22 (MID)	03/21/07	79.57	---	31.49	---	48.08
MW-22 (MID)	04/30/07	79.57	---	31.33	---	48.24
MW-22 (MID)	08/28/07	79.57	---	31.96	---	47.61
MW-22 (MID)	11/12/07	79.57	---	32.19	---	47.38
MW-22 (MID)	02/05/08	79.57	---	32.51	---	47.06
MW-22 (MID)	04/11/08	79.57	---	31.83	---	47.74
MW-22 (MID)	10/13/08	79.57	---	33.01	---	46.56
MW-22 (MID)	02/09/09	79.57	---	32.96	---	46.61
MW-22 (MID)	04/20/09	79.57	---	32.65	---	46.92
MW-22 (MID)	07/16/09	79.57	---	33.51	---	46.06
MW-22 (MID)	07/20/09	79.57	---	33.96	---	45.61
MW-22 (MID)	10/19/09	79.57	---	33.87	---	45.70
MW-22 (MID)	01/11/10	79.57	---	34.14	---	45.43
MW-22 (MID)	04/07/10	79.57	---	34.02	---	45.55
MW-22 (MID)	04/12/10	79.57	---	33.62	---	45.95
MW-22 (MID)	01/07/11	79.57	---	34.50	---	45.07

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-22 (MID)	04/06/11	79.57	---	33.39	---	46.18
MW-22 (MID)	07/08/11	79.57	---	33.34	---	46.23
MW-22 (MID)	10/06/11	79.57	---	33.57	---	46.00
MW-22 (MID)	01/09/12	79.57	---	33.72	---	45.85
MW-22 (MID)	04/12/12	79.57	---	34.22	---	45.35
MW-22 (MID)	04/18/12	79.57	---	33.98	---	45.59
MW-22 (MID)	01/11/13	79.57	---	35.48	---	44.09
MW-22 (MID)	04/03/13	79.57	---	35.32	---	44.25
MW-22 (MID)	04/08/13	79.57	---	35.30	---	44.27
MW-22 (MID)	10/02/13	79.57	---	36.18	---	43.39
MW-22 (MID)	04/09/14	79.57	---	37.08	---	42.49
MW-22 (MID)	04/15/14	79.57	---	36.84	---	42.73
MW-22 (MID)	10/27/14	79.57	---	37.57	---	42.00
MW-22 (MID)	04/20/15	79.57	---	37.94	---	41.63
MW-22 (MID)	04/11/16	79.57	---	39.20	---	40.37
MW-22 (MID)	10/03/16	79.57	---	39.79	---	39.78
MW-22 (MID)	04/17/17	79.57	---	39.40	---	40.17
MW-22 (MID)	10/02/17	79.57	---	40.16	---	39.41
MW-22 (MID)	04/16/18	79.57	---	40.41	---	39.16
MW-22 (MID)	11/05/18	79.57	---	40.92	---	38.65
MW-22 (MID)	04/17/19	79.57	---	38.87	---	40.70
MW-22 (MID)	10/29/19	79.57	---	40.98	---	38.59
MW-22 (MID)	05/04/20	79.57	---	40.55	---	39.02
MW-22 (MID)	10/19/20	79.57	---	40.82	---	38.75
MW-22 (MID)	11/02/20	79.57	---	40.82	---	38.75
MW-22 (MID)	05/04/21	79.57	---	41.09	---	38.48
MW-23 (MID)	11/20/96	79.59	---	33.20	---	46.39
MW-23 (MID)	07/01/97	79.59	---	32.94	---	46.65
MW-23 (MID)	12/31/97	79.59	---	33.14	---	46.45
MW-23 (MID)	05/01/98	79.59	---	30.25	---	49.34
MW-23 (MID)	05/25/99	79.59	---	31.03	---	48.56
MW-23 (MID)	05/15/00	79.59	---	31.97	---	47.62
MW-23 (MID)	11/13/00	79.59	---	31.21	---	48.38
MW-23 (MID)	05/07/01	79.59	---	28.30	---	51.29
MW-23 (MID)	04/08/02	79.59	---	32.27	---	47.32
MW-23 (MID)	10/21/02	79.59	---	31.44	---	48.15
MW-23 (MID)	04/07/03	79.59	---	30.22	---	49.37
MW-23 (MID)	10/06/03	79.59	---	31.50	---	48.09
MW-23 (MID)	04/19/04	79.59	---	32.65	---	46.94
MW-23 (MID)	11/01/04	79.59	---	32.33	---	47.26
MW-23 (MID)	05/02/05	79.59	---	27.72	---	51.87
MW-23 (MID)	03/06/06	79.59	---	28.81	---	50.78
MW-23 (MID)	05/01/06	79.59	---	29.21	---	50.38
MW-23 (MID)	08/26/06	79.59	---	29.56	---	50.03
MW-23 (MID)	12/01/06	79.59	---	29.91	---	49.68
MW-23 (MID)	03/21/07	79.59	---	30.14	---	49.45
MW-23 (MID)	04/27/07	79.59	---	30.33	---	49.26
MW-23 (MID)	08/28/07	79.59	---	31.05	---	48.54

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-23 (MID)	11/12/07	79.59	---	30.95	---	48.64
MW-23 (MID)	02/05/08	79.59	---	31.91	---	47.68
MW-23 (MID)	04/11/08	79.59	---	30.72	---	48.87
MW-23 (MID)	07/24/08	79.59	---	31.02	---	48.57
MW-23 (MID)	10/13/08	79.59	---	31.82	---	47.77
MW-23 (MID)	02/09/09	79.59	---	32.78	---	46.81
MW-23 (MID)	04/20/09	79.59	---	32.46	---	47.13
MW-23 (MID)	07/16/09	79.59	---	31.79	---	47.80
MW-23 (MID)	10/19/09	79.59	---	32.44	---	47.15
MW-23 (MID)	04/07/10	79.59	---	32.29	---	47.30
MW-23 (MID)	04/12/10	79.59	---	31.83	---	47.76
MW-23 (MID)	01/06/11	79.59	---	32.53	---	47.06
MW-23 (MID)	04/06/11	79.59	---	31.34	---	48.25
MW-23 (MID)	07/07/11	79.59	---	31.62	---	47.97
MW-23 (MID)	10/06/11	79.59	---	32.03	---	47.56
MW-23 (MID)	04/12/12	79.59	---	33.10	---	46.49
MW-23 (MID)	04/19/12	79.59	---	32.87	---	46.72
MW-23 (MID)	01/10/13	79.59	---	34.27	---	45.32
MW-23 (MID)	04/02/13	79.59	---	34.25	---	45.34
MW-23 (MID)	04/08/13	79.59	---	34.19	---	45.40
MW-24	11/20/96	78.51	---	32.33	---	46.18
MW-24	07/01/97	78.51	---	33.97	---	44.54
MW-24	12/31/97	78.51	---	32.72	---	45.79
MW-24	05/01/98	78.51	---	30.42	---	48.09
MW-24	05/25/99	78.51	---	30.59	---	47.92
MW-24	05/15/00	78.51	---	31.33	---	47.18
MW-24	11/13/00	78.51	---	31.60	---	46.91
MW-24	05/07/01	78.51	---	30.44	---	48.07
MW-24	04/08/02	78.51	---	31.12	---	47.39
MW-24	10/21/02	78.51	---	31.09	---	47.42
MW-24	04/07/03	78.51	---	30.80	---	47.71
MW-24	10/06/03	78.51	---	30.77	---	47.74
MW-24	04/19/04	78.51	---	31.49	---	47.02
MW-24	11/01/04	78.51	---	31.45	---	47.06
MW-24	05/02/05	78.51	---	27.71	---	50.80
MW-24	05/01/06	78.51	---	28.50	---	50.01
MW-24	12/01/06	78.51	---	29.06	---	49.45
MW-24	04/30/07	78.51	---	29.44	---	49.07
MW-24	11/12/07	78.51	---	29.91	---	48.60
MW-24	04/11/08	78.51	---	29.74	---	48.77
MW-24	07/24/08	78.51	---	29.96	---	48.55
MW-24	10/13/08	78.51	---	30.79	---	47.72
MW-24	02/09/09	78.51	---	29.67	---	48.84
MW-24	04/20/09	78.51	---	30.66	---	47.85
MW-24	10/19/09	78.51	---	31.61	---	46.90
MW-24	04/07/10	78.51	---	31.62	---	46.89
MW-24	04/12/10	78.51	---	31.26	---	47.25
MW-24	01/06/11	78.51	---	31.96	---	46.55

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-24	04/06/11	78.51	---	30.98	---	47.53
MW-24	07/07/11	78.51	---	31.03	---	47.48
MW-24	10/06/11	78.51	---	31.26	---	47.25
MW-24	04/12/12	78.51	---	32.04	---	46.47
MW-24	04/18/12	78.51	---	31.82	---	46.69
MW-24	01/10/13	78.51	---	33.24	---	45.27
MW-24	04/02/13	78.51	---	33.09	---	45.42
MW-24	04/08/13	78.51	---	33.01	---	45.50
MW-24	10/01/13	78.51	---	33.87	---	44.64
MW-24	04/07/14	78.51	---	34.75	---	43.76
MW-24	04/15/14	78.51	---	34.52	---	43.99
MW-24	10/27/14	78.51	---	34.96	---	43.55
MW-24	04/20/15	78.51	---	35.34	---	43.17
MW-24	04/11/16	78.51	---	36.42	---	42.09
MW-24	10/03/16	78.51	---	NM	---	NC
MW-24	04/17/17	78.51	---	34.90	---	43.61
MW-24	10/02/17	77.66	---	36.24	---	41.42
MW-24	04/16/18	77.66	---	36.63	---	41.03
MW-24	11/05/18	77.66	---	37.14	---	40.52
MW-24	04/15/19	77.66	---	36.60	---	41.06
MW-24	04/16/19	77.66	---	36.41	---	41.25
MW-24	10/29/19	77.66	---	37.18	---	40.48
MW-24	05/05/20	77.66	---	37.05	---	40.61
MW-24	11/02/20	78.51	---	37.26	---	40.40
MW-24	05/03/21	77.66	---	37.52	---	40.14
MW-25	11/20/96	79.15	---	33.90	---	45.25
MW-25	07/01/97	79.15	---	34.59	---	44.56
MW-25	12/31/97	79.15	---	33.41	---	45.74
MW-25	05/01/98	79.15	---	31.26	---	47.89
MW-25	05/04/99	79.15	---	32.01	---	47.14
MW-25	05/25/99	79.15	---	31.45	---	47.70
MW-25	08/09/99	79.15	---	32.56	---	46.59
MW-25	05/15/00	79.15	---	31.86	---	47.29
MW-25	11/13/00	79.15	---	33.56	---	45.59
MW-25	11/13/00	79.15	---	32.50	---	46.65
MW-25	05/07/01	79.15	---	31.15	---	48.00
MW-25	05/07/01	79.15	---	31.12	---	48.03
MW-25	04/08/02	79.15	---	31.81	---	47.34
MW-25	10/21/02	79.15	---	31.59	---	47.56
MW-25	04/07/03	79.15	---	31.40	---	47.75
MW-25	10/06/03	79.15	---	31.73	---	47.42
MW-25	04/19/04	79.15	---	32.19	---	46.96
MW-25	11/01/04	79.15	---	32.25	---	46.90
MW-25	05/02/05	79.15	---	28.89	---	50.26
MW-25	05/01/06	79.15	---	29.44	---	49.71
MW-25	12/01/06	79.15	---	29.84	---	49.31
MW-25	04/30/07	79.15	---	29.99	---	49.16
MW-25	11/12/07	79.15	---	30.50	---	48.65

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-25	04/11/08	79.15	---	30.27	---	48.88
MW-25	07/24/08	79.15	---	30.90	---	48.25
MW-25	10/13/08	79.15	---	31.44	---	47.71
MW-25	02/09/09	79.15	---	30.70	---	48.45
MW-25	04/20/09	79.15	---	31.32	---	47.83
MW-25	10/19/09	79.15	---	32.00	---	47.15
MW-25	04/07/10	79.15	---	32.39	---	46.76
MW-25	04/12/10	79.15	---	31.86	---	47.29
MW-25	01/07/11	79.15	---	32.76	---	46.39
MW-25	04/06/11	79.15	---	31.64	---	47.51
MW-25	07/08/11	79.15	---	31.55	---	47.60
MW-25	10/06/11	79.15	---	31.78	---	47.37
MW-25	04/12/12	79.15	---	32.58	---	46.57
MW-25	04/17/12	79.15	---	32.35	---	46.80
MW-25	01/11/13	79.15	---	33.86	---	45.29
MW-25	04/03/13	79.15	---	33.65	---	45.50
MW-25	04/08/13	79.15	---	33.44	---	45.71
MW-26	11/20/96	77.40	---	31.25	---	46.15
MW-26	07/01/97	77.40	---	32.24	---	45.16
MW-26	12/31/97	77.40	---	31.44	---	45.96
MW-26	05/01/98	77.40	---	28.96	---	48.44
MW-26	05/25/99	77.40	---	29.54	---	47.86
MW-26	05/15/00	77.40	---	29.97	---	47.43
MW-26	11/13/00	77.40	---	30.73	---	46.67
MW-26	05/07/01	77.40	---	29.05	---	48.35
MW-26	04/08/02	77.40	---	29.94	---	47.46
MW-26	10/21/02	77.40	---	29.73	---	47.67
MW-26	04/07/03	77.40	---	29.50	---	47.90
MW-26	10/06/03	77.40	---	29.78	---	47.62
MW-26	04/19/04	77.40	---	30.54	---	46.86
MW-26	11/01/04	77.40	---	30.43	---	46.97
MW-26	05/02/05	77.40	---	26.06	---	51.34
MW-26	05/01/06	77.40	---	27.46	---	49.94
MW-26	12/01/06	77.40	---	28.00	---	49.40
MW-26	04/30/07	77.40	---	28.18	---	49.22
MW-26	11/12/07	77.40	---	28.75	---	48.65
MW-26	04/11/08	77.40	---	28.46	---	48.94
MW-26	07/24/08	77.40	---	29.00	---	48.40
MW-26	10/13/08	77.40	---	29.42	---	47.98
MW-26	02/09/09	77.40	---	29.11	---	48.29
MW-26	04/20/09	77.40	---	29.42	---	47.98
MW-26	10/19/09	77.40	---	30.00	---	47.40
MW-26	04/07/10	77.40	---	30.24	---	47.16
MW-26	04/12/10	77.40	---	29.82	---	47.58
MW-26	01/07/11	77.40	---	30.77	---	46.63
MW-26	04/06/11	77.40	---	29.52	---	47.88
MW-26	07/08/11	77.40	---	29.48	---	47.92
MW-26	10/06/11	77.40	---	29.88	---	47.52

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-26	04/12/12	77.40	---	30.77	---	46.63
MW-26	04/17/12	77.40	---	30.58	---	46.82
MW-26	01/11/13	77.40	---	32.17	---	45.23
MW-26	04/03/13	77.40	---	31.94	---	45.46
MW-26	04/08/13	77.40	---	31.86	---	45.54
MW-26	10/02/13	77.40	---	32.72	---	44.68
MW-26	04/09/14	77.40	---	33.63	---	43.77
MW-26	04/15/14	77.40	---	33.38	---	44.02
MW-26	10/27/14	77.40	---	33.81	---	43.59
MW-26	04/20/15	77.40	---	34.22	---	43.18
MW-26	04/11/16	77.40	---	35.48	---	41.92
MW-26	10/03/16	77.40	---	35.90	---	41.50
MW-26	04/17/17	77.40	---	35.37	---	42.03
MW-26	10/02/17	77.40	---	36.13	---	41.27
MW-26	04/16/18	77.40	---	36.48	---	40.92
MW-26	11/05/18	77.40	---	36.99	---	40.41
MW-26	04/17/19	77.40	---	35.11	---	42.29
MW-26	10/29/19	77.40	---	36.98	---	40.42
MW-26	05/04/20	77.40	---	36.57	---	40.83
MW-26	10/19/20	77.40	---	36.85	---	40.55
MW-26	11/02/20	77.40	---	36.85	---	40.55
MW-26	05/03/21	77.40	---	37.21	---	40.19
MW-27	11/20/96	78.46	---	32.13	---	46.33
MW-27	07/01/97	78.46	---	32.99	---	45.47
MW-27	12/31/97	78.46	---	32.21	---	46.25
MW-27	05/01/98	78.46	---	29.05	---	49.41
MW-27	05/25/99	78.46	---	30.27	---	48.19
MW-27	05/15/00	78.46	---	30.81	---	47.65
MW-27	11/13/00	78.46	---	31.79	---	46.67
MW-27	05/07/01	78.46	---	29.61	---	48.85
MW-27	04/08/02	78.46	---	30.69	---	47.77
MW-27	10/21/02	78.46	---	30.62	---	47.84
MW-27	04/07/03	78.46	---	30.40	---	48.06
MW-27	10/06/03	78.46	---	30.79	---	47.67
MW-27	04/19/04	78.46	---	31.87	---	46.59
MW-27	11/01/04	78.46	---	31.66	---	46.80
MW-27	05/02/05	78.46	---	26.48	---	51.98
MW-27	05/01/06	78.46	---	28.17	---	50.29
MW-27	12/01/06	78.46	---	28.99	---	49.47
MW-27	04/30/07	78.46	---	29.17	---	49.29
MW-27	11/12/07	78.46	---	29.75	---	48.71
MW-27	04/11/08	78.46	---	29.25	---	49.21
MW-27	07/24/08	78.46	---	29.96	---	48.50
MW-27	10/13/08	78.46	---	30.34	---	48.12
MW-27	02/09/09	78.46	---	30.44	---	48.02
MW-27	04/20/09	78.46	---	30.27	---	48.19
MW-27	10/19/09	78.46	---	31.23	---	47.23
MW-27	04/07/10	78.46	---	30.95	---	47.51

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-27	04/12/10	78.46	---	30.79	---	47.67
MW-27	01/07/11	78.46	---	31.53	---	46.93
MW-27	04/06/11	78.46	---	29.82	---	48.64
MW-27	07/08/11	78.46	---	30.03	---	48.43
MW-27	10/06/11	78.46	---	30.06	---	48.40
MW-27	04/12/12	78.46	---	31.72	---	46.74
MW-27	04/17/12	78.46	---	31.49	---	46.97
MW-27	01/11/13	78.46	---	33.24	---	45.22
MW-27	04/03/13	78.46	---	33.02	---	45.44
MW-27	04/08/13	78.46	---	32.98	---	45.48
MW-27	10/02/13	78.46	---	33.78	---	44.68
MW-27	04/09/14	78.46	---	NM	---	NC
MW-27	10/27/14	78.46	---	34.63	---	43.83
MW-27	04/20/15	78.46	---	35.03	---	43.43
MW-27	04/11/16	78.46	---	36.66	---	41.80
MW-27	10/03/16	78.46	---	37.16	---	41.30
MW-27	04/17/17	78.46	---	35.85	---	42.61
MW-27	10/02/17	78.46	---	37.61	---	40.85
MW-27	04/16/18	78.46	---	37.53	---	40.93
MW-27	11/05/18	78.46	---	38.35	---	40.11
MW-27	04/17/19	78.46	---	32.88	---	45.58
MW-27	10/29/19	78.46	---	38.50	---	39.96
MW-27	05/04/20	78.46	---	37.43	---	41.03
MW-27	11/02/20	78.46	---	37.85	---	40.61
MW-27	05/04/21	78.46	---	38.31	---	40.15
MW-28	11/20/96	78.53	---	31.79	---	46.74
MW-28	07/01/97	78.53	---	31.98	---	46.55
MW-28	12/31/97	78.53	---	31.51	---	47.02
MW-28	05/01/98	78.53	---	29.09	---	49.44
MW-28	05/25/99	78.53	---	29.83	---	48.70
MW-28	05/15/00	78.53	---	30.45	---	48.08
MW-28	11/13/00	78.53	---	30.65	---	47.88
MW-28	05/07/01	78.53	---	29.18	---	49.35
MW-28	04/08/02	78.53	---	30.25	---	48.28
MW-28	10/21/02	78.53	---	30.77	---	47.76
MW-28	04/07/03	78.53	---	29.85	---	48.68
MW-28	10/06/03	78.53	---	30.10	---	48.43
MW-28	04/19/04	78.53	---	31.45	---	47.08
MW-28	11/01/04	78.53	---	31.25	---	47.28
MW-28	05/02/05	78.53	---	25.17	---	53.36
MW-28	05/01/06	78.53	---	27.55	---	50.98
MW-28	12/01/06	78.53	---	28.66	---	49.87
MW-28	04/30/07	78.53	---	29.05	---	49.48
MW-28	11/12/07	78.53	---	29.64	---	48.89
MW-28	04/11/08	78.53	---	29.28	---	49.25
MW-28	10/14/08	78.53	---	30.38	---	48.15
MW-28	04/08/10	78.53	---	30.58	---	47.95
MW-28	10/01/10	78.53	---	31.07	---	47.46

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-28	01/07/11	78.53	---	31.13	---	47.40
MW-28	04/12/12	78.53	---	31.76	---	46.77
MW-28	10/02/13	78.53	---	33.89	---	44.64
MW-28	04/07/14	78.53	---	34.91	---	43.62
MW-28	10/27/14	78.53	---	34.79	---	43.74
MW-28	04/20/15	78.53	---	35.10	---	43.43
MW-28	04/11/16	78.53	---	NM	---	NC
MW-28	10/03/16	78.53	---	NM	---	NC
MW-28	04/17/17	78.53	---	32.90	---	45.63
MW-28	10/03/17	75.90	---	35.18	---	40.72
MW-28	04/16/18	75.90	---	35.47	---	40.43
MW-28	11/05/18	75.90	---	35.88	---	40.02
MW-28	05/10/19	75.90	---	30.70	---	45.20
MW-28	10/28/19	75.90	---	35.83	---	40.07
MW-28	05/04/20	75.90	---	34.83	---	41.07
MW-28	10/19/20	78.53	---	34.92	---	40.98
MW-28	11/02/20	78.53	---	34.92	---	40.98
MW-28	05/03/21	75.90	---	36.53	---	39.37
MW-29	11/20/96	79.13	32.41	32.66	0.25	46.67
MW-29	07/01/97	79.13	31.60	31.65	0.05	47.52
MW-29	12/31/97	79.13	---	31.99	---	47.14
MW-29	05/01/98	79.13	---	29.06	---	50.07
MW-29	05/25/99	79.13	---	30.03	---	49.10
MW-29	05/15/00	79.13	---	30.81	---	48.32
MW-29	11/13/00	79.13	---	31.30	---	47.83
MW-29	05/07/01	79.13	---	29.30	---	49.83
MW-29	02/01/02	79.13	---	29.71	---	49.42
MW-29	04/08/02	79.13	---	31.12	---	48.01
MW-29	10/21/02	79.13	---	31.48	---	47.65
MW-29	04/07/03	79.13	---	30.42	---	48.71
MW-29	10/06/03	79.13	---	30.40	---	48.73
MW-29	04/19/04	79.13	---	31.39	---	47.74
MW-29	11/01/04	79.13	---	31.72	---	47.41
MW-29	03/06/06	79.13	---	27.38	---	51.75
MW-29	05/01/06	79.13	---	27.52	---	51.61
MW-29	08/26/06	79.13	---	28.23	---	50.90
MW-29	12/01/06	79.13	---	28.92	---	50.21
MW-29	03/21/07	79.13	---	28.72	---	50.41
MW-29	04/30/07	79.13	---	29.66	---	49.47
MW-29	08/28/07	79.13	---	29.01	---	50.12
MW-29	11/12/07	79.13	---	30.25	---	48.88
MW-29	02/05/08	79.13	---	29.91	---	49.22
MW-29	07/24/08	79.13	---	30.03	---	49.10
MW-29	10/14/08	79.13	---	30.94	---	48.19
MW-29	02/10/09	79.13	---	30.26	---	48.87
MW-29	07/16/09	79.13	---	31.15	---	47.98
MW-29	04/08/10	79.13	---	31.04	---	48.09
MW-29	10/01/10	79.13	---	31.64	---	47.49

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-29	01/08/11	79.13	---	31.90	---	47.23
MW-29	04/06/11	79.13	---	30.19	---	48.94
MW-29	07/08/11	79.13	---	30.65	---	48.48
MW-29	10/06/11	79.13	---	31.30	---	47.83
MW-29	04/12/12	79.13	---	32.52	---	46.61
MW-29	01/10/13	79.13	---	33.79	---	45.34
MW-29	04/03/13	79.13	---	33.78	---	45.35
MW-29	04/08/13	79.13	---	33.58	---	45.55
MW-29	10/02/13	79.13	---	34.50	---	44.63
MW-29	04/09/14	79.13	---	35.19	---	43.94
MW-29	04/17/14	79.13	---	34.78	---	44.35
MW-29	10/27/14	79.13	---	35.26	---	43.87
MW-29	04/20/15	79.13	---	35.65	---	43.48
MW-29	04/11/16	79.13	---	37.27	---	41.86
MW-29	10/03/16	79.13	---	37.74	---	41.39
MW-29	04/18/17	79.13	---	36.36	---	42.77
MW-29	10/03/17	79.13	---	37.64	---	41.49
MW-29	04/16/18	79.13	---	38.28	---	40.85
MW-29	11/05/18	79.13	---	38.89	---	40.24
MW-29	04/19/19	79.13	---	36.94	---	42.19
MW-29	10/28/19	79.13	---	38.13	---	41.00
MW-29	05/05/20	79.13	---	37.98	---	41.15
MW-29	11/02/20	79.13	---	37.98	---	41.15
MW-29	05/03/21	79.13	---	38.44	---	40.69
MW-O-1	04/08/02	75.48	---	24.31	---	51.17
MW-O-1	10/06/03	75.48	---	25.54	---	49.94
MW-O-1	01/11/04	75.48	26.52	26.60	0.08	48.94
MW-O-1	04/19/04	75.48	---	NM	---	NC
MW-O-1	05/02/05	75.48	22.85	22.89	0.04	52.62
MW-O-1	10/31/05	75.48	27.43	27.51	0.08	48.03
MW-O-1	05/01/06	75.48	22.62	24.09	1.47	52.57
MW-O-1	12/04/06	75.48	23.62	24.86	1.24	51.61
MW-O-1	04/30/07	75.48	23.98	24.10	0.12	51.48
MW-O-1	08/14/07	75.48	23.78	25.31	1.53	51.39
MW-O-1	08/21/07	75.48	23.58	23.84	0.26	51.85
MW-O-1	08/28/07	75.48	23.06	23.07	0.01	52.42
MW-O-1	09/11/07	75.48	23.48	23.86	0.38	51.92
MW-O-1	10/05/07	75.48	---	24.67	---	50.81
MW-O-1	11/02/07	75.48	---	24.25	---	51.23
MW-O-1	11/12/07	75.48	24.25	24.27	0.02	51.23
MW-O-1	12/28/07	75.48	25.51	25.54	0.03	49.96
MW-O-1	08/15/08	75.48	---	NM	---	NC
MW-O-1	08/19/08	75.48	25.13	25.18	0.05	50.34
MW-O-1	10/17/08	75.48	---	25.30	---	50.18
MW-O-1	12/19/08	75.48	---	26.31	---	49.17
MW-O-1	01/15/09	75.48	---	25.84	---	49.64
MW-O-1	04/21/09	75.48	---	25.41	---	50.07
MW-O-1	10/19/09	75.48	---	26.30	---	49.18

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-O-1	10/04/10	75.48	---	26.90	---	48.58
MW-O-1	04/11/11	75.48	---	25.59	---	49.89
MW-O-1	10/10/11	75.48	---	26.52	---	48.96
MW-O-1	04/16/12	75.48	---	27.25	---	48.23
MW-O-1	07/09/12	75.48	---	NM	---	NC
MW-O-1	10/15/12	75.48	---	28.94	---	46.54
MW-O-1	04/08/13	75.48	---	28.81	---	46.67
MW-O-1	10/07/13	75.48	---	29.21	---	46.27
MW-O-1	04/14/14	75.48	---	29.82	---	45.66
MW-O-1	10/27/14	75.48	---	29.92	---	45.56
MW-O-1	04/20/15	75.48	---	30.39	---	45.09
MW-O-1	10/27/15	75.48	---	27.67	---	47.81
MW-O-1	03/14/16	75.48	---	DRY	---	NC
MW-O-1	04/11/16	75.48	---	DRY	---	NC
MW-O-1	06/29/16	75.48	---	DRY	---	NC
MW-O-1	08/22/16	75.48	---	DRY	---	NC
MW-O-1	10/03/16	75.48	---	DRY	---	NC
MW-O-1	10/03/16	75.48	---	DRY	---	NC
MW-O-1	04/17/17	75.48	---	DRY	---	NC
MW-O-1	10/02/17	75.48	---	DRY	---	NC
MW-O-1	04/16/18	75.48	---	DRY	---	NC
MW-O-1	11/05/18	75.48	---	DRY	---	NC
MW-O-1	04/16/19	75.48	---	32.09	---	43.39
MW-O-1	10/28/19	75.48	---	DRY	---	NC
MW-O-1	05/04/20	75.48	---	31.98	---	43.50
MW-O-1	08/20/20	75.48	---	32.86	---	42.62
MW-O-1	11/02/20	75.48	---	DRY	---	NC
MW-O-1	02/24/21	75.48	---	33.02	---	42.46
MW-O-1	05/03/21	75.48	---	DRY	---	40.14
MW-O-1	08/31/21	75.48	---	DRY	DRY	DRY
MW-O-2	11/20/96	74.38	25.55	29.58	4.03	48.02
MW-O-2	07/01/97	74.31	26.15	26.49	0.34	48.09
MW-O-2	12/31/97	74.31	26.78	29.00	2.22	47.09
MW-O-2	08/09/99	74.31	---	NM	---	NC
MW-O-2	05/15/00	74.31	25.37	29.63	4.26	48.09
MW-O-2	11/13/00	74.31	25.61	26.32	0.71	48.56
MW-O-2	05/07/01	74.31	---	NM	---	NC
MW-O-2	11/05/01	74.31	---	24.62	---	49.69
MW-O-2	04/08/02	74.31	---	25.71	---	48.60
MW-O-2	04/07/03	74.31	---	NM	---	NC
MW-O-2	10/06/03	74.31	23.00	24.19	1.19	51.07
MW-O-2	05/02/05	74.31	---	27.02	---	47.29
MW-O-2	10/31/05	74.31	27.58	27.82	0.24	46.68
MW-O-2	05/22/06	74.31	21.31	21.32	0.01	53.00
MW-O-2	12/04/06	74.31	---	23.10	---	51.21
MW-O-2	04/30/07	74.31	---	22.53	---	51.78
MW-O-2	11/12/07	71.90	---	23.10	---	48.80
MW-O-2	08/15/08	71.90	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-O-2	10/17/08	71.90	---	24.85	---	47.05
MW-O-2	12/19/08	71.90	---	25.51	---	46.39
MW-O-2	03/27/09	71.90	---	25.22	---	46.68
MW-O-2	04/21/09	71.90	---	NM	---	NC
MW-O-2	07/21/09	71.90	---	23.63	---	48.27
MW-O-2	10/19/09	71.90	---	NM	---	NC
MW-O-2	11/09/09	71.90	---	25.39	---	46.51
MW-O-2	10/04/10	71.90	---	26.05	---	45.85
MW-O-2	04/13/11	71.90	---	23.31	---	48.59
MW-O-2	10/10/11	71.90	---	27.53	---	44.37
MW-O-2	01/09/12	71.90	---	28.13	---	43.77
MW-O-2	04/16/12	71.90	---	NM	---	NC
MW-O-2	07/09/12	71.90	---	26.53	---	45.37
MW-O-2	10/15/12	71.90	---	26.89	---	45.01
MW-O-2	01/14/13	71.90	---	26.93	---	44.97
MW-O-2	04/08/13	71.90	---	NM	---	NC
MW-O-2	06/06/13	71.90	---	28.99	---	42.91
MW-O-2	10/07/13	71.90	---	29.06	---	42.84
MW-O-2	04/14/14	71.90	---	29.36	---	42.54
MW-O-2	10/27/14	71.90	29.65	29.81	0.16	42.22
MW-O-2	04/20/15	71.90	29.34	30.94	1.60	42.24
MW-O-2	05/21/15	71.90	27.31	32.50	5.19	43.55
MW-O-2	05/29/15	71.90	30.20	31.52	1.32	41.44
MW-O-2	06/05/15	71.90	30.57	31.45	0.88	41.15
MW-O-2	06/12/15	71.90	30.60	31.05	0.45	41.21
MW-O-2	06/19/15	71.90	30.90	31.10	0.20	40.96
MW-O-2	06/26/15	71.90	31.37	31.66	0.29	40.47
MW-O-2	10/19/15	71.90	30.53	32.39	1.86	41.00
MW-O-2	03/14/16	71.90	34.86	35.49	0.63	36.91
MW-O-2	04/11/16	71.90	32.54	33.03	0.49	39.26
MW-O-2	06/30/16	71.90	33.80	34.20	0.40	38.02
MW-O-2	08/22/16	71.90	---	33.93	---	37.97
MW-O-2	10/03/16	71.90	34.22	34.30	0.08	37.66
MW-O-2	10/03/16	71.90	34.22	34.30	0.08	NC
MW-O-2	04/17/17	71.90	30.85	30.91	0.06	41.04
MW-O-2	10/02/17	71.90	---	34.67	---	37.23
MW-O-2	04/16/18	71.90	34.16	34.18	0.02	37.74
MW-O-2	11/05/18	71.90	---	34.30	---	37.60
MW-O-2	04/16/19	71.90	---	31.44	---	40.46
MW-O-2	10/28/19	71.90	---	NM	---	NC
MW-O-2	05/04/20	71.90	---	31.87	---	40.03
MW-O-2	08/20/20	71.90	---	32.08	---	39.82
MW-O-2	11/02/20	71.90	---	30.60	---	41.30
MW-O-2	02/24/21	71.90	---	33.16	---	38.74
MW-O-2	05/03/21	71.90	---	32.94	---	38.96
MW-O-2	08/31/21	71.90	---	32.60	---	39.30
MW-O-4	05/04/99	75.00	24.14	24.19	0.05	50.85
MW-O-4	11/15/99	75.00	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-O-4	05/15/00	75.00	---	NM	---	NC
MW-O-4	04/08/02	75.00	---	22.71	---	52.29
MW-SF-1	08/07/01	76.31	29.07	29.18	0.11	47.22
MW-SF-1	04/08/02	78.93	---	29.81	---	49.12
MW-SF-1	11/04/02	78.93	31.02	31.03	0.01	47.91
MW-SF-1	04/07/03	78.93	---	NM	---	NC
MW-SF-1	07/30/03	78.93	---	29.97	---	48.96
MW-SF-1	10/06/03	78.93	---	30.01	---	48.92
MW-SF-1	01/11/04	78.93	---	31.12	---	47.81
MW-SF-1	04/19/04	78.93	---	30.71	---	48.22
MW-SF-1	05/02/05	78.93	---	26.21	---	52.72
MW-SF-1	10/31/05	78.93	---	27.09	---	51.84
MW-SF-1	05/01/06	78.93	---	27.51	---	51.42
MW-SF-1	12/04/06	78.93	---	28.28	---	50.65
MW-SF-1	03/12/07	78.93	---	28.71	---	50.22
MW-SF-1	04/30/07	78.93	---	28.44	---	50.49
MW-SF-1	08/28/07	78.93	---	27.94	---	50.99
MW-SF-1	11/12/07	78.93	---	28.76	---	50.17
MW-SF-1	02/19/08	78.93	---	29.50	---	49.43
MW-SF-1	04/14/08	78.93	---	29.16	---	49.77
MW-SF-1	08/11/08	78.93	---	29.75	---	49.18
MW-SF-1	10/13/08	78.93	---	29.86	---	49.07
MW-SF-1	02/23/09	78.93	---	30.00	---	48.93
MW-SF-1	04/20/09	78.93	---	29.97	---	48.96
MW-SF-1	07/20/09	78.93	---	30.98	---	47.95
MW-SF-1	07/22/09	78.93	---	30.98	---	47.95
MW-SF-1	10/19/09	78.93	---	31.11	---	47.82
MW-SF-1	03/15/10	78.93	---	31.74	---	47.19
MW-SF-1	05/24/10	78.93	---	30.79	---	48.14
MW-SF-1	05/28/10	78.93	---	30.57	---	48.36
MW-SF-1	06/22/10	78.93	---	30.84	---	48.09
MW-SF-1	07/12/10	78.93	---	30.51	---	48.42
MW-SF-1	10/04/10	78.93	---	30.88	---	48.05
MW-SF-1	01/10/11	78.93	---	32.51	---	46.42
MW-SF-1	04/11/11	78.93	---	29.87	---	49.06
MW-SF-1	07/11/11	78.93	---	29.84	---	49.09
MW-SF-1	10/10/11	78.93	---	29.60	---	49.33
MW-SF-1	01/09/12	78.93	---	31.25	---	47.68
MW-SF-1	04/16/12	78.93	---	32.59	---	46.34
MW-SF-1	07/09/12	78.93	---	31.24	---	47.69
MW-SF-1	10/15/12	78.93	---	32.23	---	46.70
MW-SF-1	01/14/13	78.93	---	33.88	---	45.05
MW-SF-1	04/08/13	78.93	---	33.38	---	45.55
MW-SF-1	10/07/13	78.93	31.72	37.14	5.42	46.13
MW-SF-1	04/14/14	78.93	32.69	37.40	4.71	45.30
MW-SF-1	05/06/14	78.93	32.82	39.99	7.17	44.68
MW-SF-1	05/12/14	78.93	33.55	37.31	3.76	44.63
MW-SF-1	05/20/14	78.93	34.60	37.10	2.50	43.83

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-1	05/27/14	78.93	34.30	36.62	2.32	44.17
MW-SF-1	06/04/14	78.93	35.27	35.98	0.71	43.52
MW-SF-1	06/10/14	78.93	34.48	36.91	2.43	43.96
MW-SF-1	07/03/14	78.93	34.71	36.72	2.01	43.82
MW-SF-1	07/08/14	78.93	34.45	36.60	2.15	44.05
MW-SF-1	07/18/14	78.93	34.77	35.18	0.41	44.08
MW-SF-1	07/24/14	78.93	34.62	35.30	0.68	44.17
MW-SF-1	08/01/14	78.93	34.44	34.74	0.30	44.43
MW-SF-1	08/14/14	78.93	34.41	34.75	0.34	44.45
MW-SF-1	08/19/14	78.93	34.37	34.66	0.29	44.50
MW-SF-1	08/29/14	78.93	35.38	35.65	0.27	43.50
MW-SF-1	09/18/14	78.93	34.49	34.85	0.36	44.37
MW-SF-1	09/26/14	78.93	34.45	34.78	0.33	44.41
MW-SF-1	10/01/14	78.93	34.41	34.77	0.36	44.45
MW-SF-1	10/06/14	78.93	34.42	34.78	0.36	44.44
MW-SF-1	10/14/14	78.93	34.41	34.65	0.24	44.47
MW-SF-1	10/23/14	78.93	34.45	34.84	0.39	44.40
MW-SF-1	10/27/14	78.93	34.43	34.80	0.37	44.43
MW-SF-1	11/10/14	78.93	34.51	34.91	0.40	44.34
MW-SF-1	11/18/14	78.93	34.43	34.80	0.37	44.43
MW-SF-1	11/25/14	78.93	34.51	34.53	0.02	44.42
MW-SF-1	12/12/14	78.93	34.78	35.18	0.40	44.07
MW-SF-1	12/19/14	78.93	34.88	35.34	0.46	43.96
MW-SF-1	04/20/15	78.93	34.48	34.89	0.41	44.37
MW-SF-1	05/19/15	78.93	34.55	38.45	3.90	43.60
MW-SF-1	05/29/15	78.93	35.22	36.36	1.14	43.48
MW-SF-1	06/05/15	78.93	35.43	36.50	1.07	43.29
MW-SF-1	06/12/15	78.93	35.41	35.80	0.39	43.44
MW-SF-1	06/19/15	78.93	35.42	36.02	0.60	43.39
MW-SF-1	06/26/15	78.93	36.45	36.60	0.15	42.45
MW-SF-1	10/19/15	78.93	35.53	36.35	0.82	43.24
MW-SF-1	11/17/15	78.93	---	35.65	---	43.28
MW-SF-1	03/14/16	78.93	---	40.40	---	38.53
MW-SF-1	04/11/16	78.93	---	37.96	---	40.97
MW-SF-1	06/29/16	78.93	---	39.05	---	39.88
MW-SF-1	08/22/16	78.93	---	39.04	---	39.89
MW-SF-1	10/03/16	78.93	---	39.20	---	39.73
MW-SF-1	10/03/16	78.93	---	39.20	---	39.73
MW-SF-1	04/17/17	78.93	---	35.75	---	43.18
MW-SF-1	10/02/17	78.93	---	39.98	---	38.95
MW-SF-1	04/16/18	78.93	---	39.43	---	39.50
MW-SF-1	11/05/18	78.93	---	39.20	---	39.73
MW-SF-1	04/16/19	78.93	---	37.94	---	40.99
MW-SF-1	10/28/19	78.93	---	39.41	---	39.52
MW-SF-1	05/04/20	78.93	---	36.65	---	42.28
MW-SF-1	11/02/20	78.93	---	37.39	---	41.54
MW-SF-1	05/03/21	78.93	---	38.03	---	40.90
MW-SF-2	11/20/96	78.45	30.31	36.68	6.37	46.87

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-2	07/01/97	78.45	28.43	45.25	16.82	46.66
MW-SF-2	12/31/97	78.45	30.86	33.92	3.06	46.98
MW-SF-2	05/01/98	78.45	20.73	27.55	6.82	56.36
MW-SF-2	08/09/99	78.45	---	NM	---	NC
MW-SF-2	11/15/99	78.45	---	NM	---	NC
MW-SF-2	05/15/00	78.45	27.56	30.01	2.45	50.40
MW-SF-2	11/13/00	78.45	29.27	30.32	1.05	48.97
MW-SF-2	05/07/01	78.45	28.00	29.75	1.75	50.10
MW-SF-2	08/07/01	78.45	28.79	30.25	1.46	49.37
MW-SF-2	11/05/01	78.45	29.50	30.49	0.99	48.75
MW-SF-2	04/08/02	78.45	---	NM	---	NC
MW-SF-2	10/21/02	78.45	29.74	30.74	1.00	48.51
MW-SF-2	04/07/03	78.45	---	NM	---	NC
MW-SF-2	10/06/03	78.93	29.87	29.88	0.01	49.06
MW-SF-2	01/11/04	78.45	---	NM	---	NC
MW-SF-2	04/19/04	78.45	30.90	30.91	0.01	47.55
MW-SF-2	05/02/05	78.45	26.25	26.52	0.27	52.15
MW-SF-2	10/31/05	78.45	26.30	29.71	3.41	51.47
MW-SF-2	05/01/06	78.45	27.22	27.96	0.74	51.08
MW-SF-2	12/04/06	78.45	27.98	28.82	0.30	49.87
MW-SF-2	04/30/07	78.45	28.34	28.35	0.01	50.11
MW-SF-2	11/12/07	78.45	28.71	29.18	0.47	49.65
MW-SF-2	08/12/08	78.45	---	31.11	---	47.34
MW-SF-2	10/17/08	78.45	31.50	31.55	0.05	46.94
MW-SF-2	12/18/08	78.53	32.55	32.75	0.20	45.94
MW-SF-2	01/15/09	78.53	30.57	30.84	0.27	47.91
MW-SF-2	03/24/09	78.53	---	28.85	---	49.68
MW-SF-2	04/21/09	78.53	---	29.98	---	48.55
MW-SF-2	07/21/09	78.53	---	29.85	---	48.68
MW-SF-2	10/19/09	78.53	---	NM	---	NC
MW-SF-2	12/09/09	78.53	---	31.45	---	47.08
MW-SF-2	10/04/10	78.53	30.75	30.96	0.21	47.74
MW-SF-2	01/10/11	78.53	32.50	32.62	0.12	46.01
MW-SF-2	04/11/11	78.53	---	29.83	---	48.70
MW-SF-2	07/11/11	78.53	---	NM	---	NC
MW-SF-2	10/10/11	78.53	---	29.82	---	48.71
MW-SF-2	01/09/12	78.53	---	30.52	---	48.01
MW-SF-2	04/16/12	78.53	---	31.28	---	47.25
MW-SF-2	07/09/12	78.53	---	33.18	---	45.35
MW-SF-2	10/15/12	78.53	---	32.11	---	46.42
MW-SF-2	01/14/13	78.53	---	33.59	---	44.94
MW-SF-2	04/08/13	78.53	---	33.32	---	45.21
MW-SF-2	10/07/13	78.53	33.08	34.58	1.50	45.15
MW-SF-2	04/14/14	78.53	33.27	37.50	4.23	44.41
MW-SF-2	05/06/14	78.53	33.24	37.71	4.47	44.40
MW-SF-2	05/12/14	78.53	33.34	37.53	4.19	44.35
MW-SF-2	05/20/14	78.53	33.51	37.62	4.11	44.20
MW-SF-2	05/27/14	78.53	33.77	38.24	4.47	43.87

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-2	06/04/14	78.53	---	34.63	---	43.90
MW-SF-2	06/10/14	78.53	34.00	38.49	4.49	43.63
MW-SF-2	08/08/14	78.53	33.82	36.23	2.41	44.23
MW-SF-2	08/13/14	78.53	33.59	36.75	3.16	44.31
MW-SF-2	08/19/14	78.53	33.60	36.90	3.30	44.27
MW-SF-2	08/29/14	78.53	33.53	37.11	3.58	44.28
MW-SF-2	09/05/14	78.53	33.51	37.09	3.58	44.30
MW-SF-2	09/11/14	78.53	33.51	37.12	3.61	44.30
MW-SF-2	09/18/14	78.53	33.60	36.89	3.29	44.27
MW-SF-2	09/26/14	78.53	33.54	37.28	3.74	44.24
MW-SF-2	10/01/14	78.53	33.56	37.18	3.62	44.25
MW-SF-2	10/06/14	78.53	33.59	37.16	3.57	44.23
MW-SF-2	10/14/14	78.53	33.64	37.15	3.51	44.19
MW-SF-2	10/23/14	78.53	33.61	37.24	3.63	44.19
MW-SF-2	10/27/14	78.53	33.54	37.04	3.50	44.29
MW-SF-2	11/03/14	78.53	33.55	37.14	3.59	44.26
MW-SF-2	11/10/14	78.53	33.56	37.33	3.77	44.22
MW-SF-2	11/18/14	78.53	33.64	37.21	3.57	44.18
MW-SF-2	11/25/14	78.53	33.69	37.40	3.71	44.10
MW-SF-2	12/03/14	78.53	33.60	37.16	3.56	44.22
MW-SF-2	12/12/14	78.53	33.91	38.05	4.14	43.79
MW-SF-2	12/19/14	78.53	33.95	38.40	4.45	43.69
MW-SF-2	04/20/15	78.53	34.73	36.15	1.42	43.52
MW-SF-2	06/25/15	78.53	35.57	38.95	3.38	42.28
MW-SF-2	10/21/15	78.53	36.13	36.32	0.19	42.36
MW-SF-2	03/16/16	78.53	---	39.27	---	39.26
MW-SF-2	04/11/16	78.53	---	37.47	---	41.06
MW-SF-2	06/29/16	78.53	---	38.08	---	40.45
MW-SF-2	08/22/16	78.53	---	38.83	---	39.70
MW-SF-2	10/03/16	78.53	---	39.60	---	38.93
MW-SF-2	10/03/16	78.53	---	39.60	---	38.93
MW-SF-2	04/17/17	78.53	---	35.78	---	42.75
MW-SF-2	10/02/17	78.53	---	39.68	---	38.85
MW-SF-2	04/16/18	78.53	---	39.47	---	39.06
MW-SF-2	11/05/18	78.53	---	39.55	---	38.98
MW-SF-2	04/16/19	78.53	---	37.95	---	40.58
MW-SF-2	10/28/19	78.53	---	39.26	---	39.27
MW-SF-2	05/04/20	78.53	---	36.66	---	41.87
MW-SF-2	11/02/20	78.53	---	37.14	---	41.39
MW-SF-2	05/03/21	78.53	---	37.82	---	40.71
MW-SF-3	08/07/01	76.03	27.67	29.20	1.53	48.05
MW-SF-3	04/08/02	77.62	---	27.17	---	50.45
MW-SF-3	11/04/02	77.62	29.72	29.93	0.21	47.86
MW-SF-3	04/07/03	77.62	---	NM	---	NC
MW-SF-3	10/06/03	78.93	28.92	29.09	0.17	49.98
MW-SF-3	01/11/04	77.62	---	NM	---	NC
MW-SF-3	04/19/04	77.62	29.92	30.81	0.89	47.52
MW-SF-3	05/02/05	77.62	25.09	26.70	1.61	52.21

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-3	10/31/05	77.62	---	27.91	---	49.71
MW-SF-3	05/01/06	77.62	26.37	26.81	0.44	51.16
MW-SF-3	12/04/06	77.62	27.18	27.77	0.59	50.32
MW-SF-3	04/30/07	77.62	27.45	27.72	0.27	50.12
MW-SF-3	11/12/07	77.62	28.28	29.34	1.06	49.13
MW-SF-3	08/12/08	77.62	29.05	30.30	1.25	48.32
MW-SF-3	10/17/08	77.62	---	29.45	---	48.17
MW-SF-3	12/18/08	78.12	30.82	31.08	0.26	47.25
MW-SF-3	01/15/09	78.12	29.94	29.96	0.02	48.18
MW-SF-3	03/20/09	78.12	---	31.10	---	47.02
MW-SF-3	03/24/09	78.12	---	27.82	---	50.30
MW-SF-3	04/21/09	78.12	29.50	29.51	0.01	48.62
MW-SF-3	07/21/09	78.12	---	30.07	---	48.05
MW-SF-3	10/19/09	78.12	---	NM	---	NC
MW-SF-3	11/06/09	78.12	30.35	30.37	0.02	47.77
MW-SF-3	12/09/09	78.12	---	30.53	---	47.59
MW-SF-3	09/03/10	78.12	30.42	30.97	0.55	47.59
MW-SF-3	10/04/10	78.12	30.30	30.88	0.58	47.70
MW-SF-3	04/12/11	78.12	---	29.44	---	48.68
MW-SF-3	10/10/11	78.12	---	30.75	---	47.37
MW-SF-3	04/16/12	78.12	---	NM	---	NC
MW-SF-3	07/09/12	78.12	---	NM	---	NC
MW-SF-3	10/15/12	78.12	---	32.47	---	45.65
MW-SF-3	05/24/13	78.12	32.51	33.35	0.84	45.44
MW-SF-3	09/25/13	78.12	---	34.40	---	43.72
MW-SF-3	10/07/13	78.12	---	NM	---	NC
MW-SF-3	11/14/13	78.12	---	33.26	---	44.86
MW-SF-3	04/18/14	78.12	33.62	33.72	0.10	44.48
MW-SF-3	08/08/14	78.12	33.71	34.07	0.36	44.34
MW-SF-3	10/14/14	78.12	33.92	34.55	0.63	44.07
MW-SF-3	10/23/14	78.12	33.94	34.57	0.63	44.05
MW-SF-3	10/27/14	78.12	33.85	34.49	0.64	44.14
MW-SF-3	11/10/14	78.12	33.94	34.65	0.71	44.04
MW-SF-3	11/18/14	78.12	33.88	34.62	0.74	44.09
MW-SF-3	11/25/14	78.12	33.94	34.22	0.28	44.12
MW-SF-3	12/12/14	78.12	34.38	34.89	0.51	43.64
MW-SF-3	12/19/14	78.12	34.43	35.04	0.61	43.57
MW-SF-3	04/20/15	78.12	---	34.52	---	43.60
MW-SF-3	10/21/15	78.12	---	35.18	---	42.94
MW-SF-3	03/14/16	78.12	39.40	39.43	0.03	38.71
MW-SF-3	04/11/16	78.12	---	37.17	---	40.95
MW-SF-3	06/30/16	78.12	---	38.28	---	39.84
MW-SF-3	08/23/16	78.12	---	38.33	---	39.79
MW-SF-3	10/03/16	78.12	---	39.40	---	38.72
MW-SF-3	10/03/16	78.12	---	39.40	---	38.72
MW-SF-3	04/20/17	78.12	---	35.15	---	42.97
MW-SF-3	10/02/17	78.12	---	39.20	---	38.92
MW-SF-3	04/16/18	78.12	---	38.81	---	39.31

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-3	11/05/18	78.12	---	38.69	---	39.43
MW-SF-3	04/16/19	78.12	---	NM	---	NC
MW-SF-3	10/28/19	78.12	---	38.77	---	39.35
MW-SF-3	05/04/20	78.12	---	36.19	---	41.93
MW-SF-3	11/02/20	78.12	---	36.55	---	41.57
MW-SF-3	05/03/21	78.12	---	37.51	---	40.61
MW-SF-4	11/20/96	79.38	32.17	35.90	3.73	46.45
MW-SF-4	07/01/97	79.38	31.85	36.92	5.07	46.49
MW-SF-4	12/31/97	79.38	32.10	33.89	1.79	46.91
MW-SF-4	05/01/98	79.38	28.27	29.99	1.72	50.76
MW-SF-4	08/09/99	79.38	---	NM	---	NC
MW-SF-4	11/15/99	79.38	---	NM	---	NC
MW-SF-4	11/19/99	79.38	28.80	36.87	8.07	48.93
MW-SF-4	05/15/00	79.38	---	DRY	---	NC
MW-SF-4	11/13/00	79.38	---	DRY	---	NC
MW-SF-4	05/07/01	79.38	---	24.62	---	54.76
MW-SF-4	05/10/01	79.38	---	24.61	---	54.77
MW-SF-4	11/05/01	79.38	---	30.05	---	49.33
MW-SF-4	04/08/02	79.38	---	28.46	---	50.92
MW-SF-4	10/21/02	79.38	---	31.50	---	47.88
MW-SF-4	04/07/03	79.38	---	NM	---	NC
MW-SF-4	07/30/03	79.38	31.89	31.92	0.03	47.48
MW-SF-4	10/06/03	79.38	---	30.82	---	48.56
MW-SF-4	01/11/04	79.38	---	NM	---	NC
MW-SF-4	01/27/04	79.38	31.30	31.94	0.64	47.95
MW-SF-4	04/19/04	79.38	31.65	32.70	1.05	47.51
MW-SF-4	07/19/04	79.38	31.42	31.81	0.39	47.88
MW-SF-4	02/01/05	79.38	30.34	30.71	0.37	48.96
MW-SF-4	05/02/05	79.38	26.85	27.00	0.15	52.50
MW-SF-4	08/01/05	79.38	27.43	27.81	0.34	51.84
MW-SF-4	10/31/05	79.38	---	27.11	---	52.27
MW-SF-4	02/27/06	79.38	28.20	28.39	0.19	51.14
MW-SF-4	05/01/06	79.38	28.34	28.56	0.22	50.99
MW-SF-4	09/18/06	79.38	29.56	29.94	0.38	49.74
MW-SF-4	12/04/06	79.38	---	26.98	---	52.40
MW-SF-4	03/12/07	79.38	29.41	30.01	0.60	49.85
MW-SF-4	04/30/07	79.38	29.11	29.96	0.85	50.10
MW-SF-4	08/14/07	79.38	28.38	30.34	1.96	50.60
MW-SF-4	08/28/07	79.38	28.30	29.95	1.65	50.74
MW-SF-4	09/11/07	79.38	28.43	29.98	1.55	50.63
MW-SF-4	10/05/07	79.38	28.85	30.68	1.83	50.15
MW-SF-4	10/12/07	79.38	29.96	30.27	0.31	49.36
MW-SF-4	10/19/07	79.38	---	30.28	---	49.10
MW-SF-4	10/26/07	79.38	---	30.52	---	48.86
MW-SF-4	11/02/07	79.38	---	30.68	---	48.70
MW-SF-4	11/12/07	79.38	29.69	29.70	0.01	49.69
MW-SF-4	12/21/07	79.38	---	30.69	---	48.69
MW-SF-4	02/19/08	79.38	---	30.22	---	49.16

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-4	03/21/08	79.38	---	30.07	---	49.31
MW-SF-4	04/14/08	79.38	---	29.95	---	49.43
MW-SF-4	08/08/08	79.38	---	30.51	---	48.87
MW-SF-4	08/11/08	79.38	---	30.57	---	48.81
MW-SF-4	10/16/08	79.38	---	30.77	---	48.61
MW-SF-4	01/15/09	79.38	---	31.14	---	48.24
MW-SF-4	02/20/09	79.38	---	30.84	---	48.54
MW-SF-4	02/23/09	79.38	---	30.96	---	48.42
MW-SF-4	04/20/09	79.38	29.94	30.02	0.08	49.42
MW-SF-4	04/28/09	79.38	---	30.78	---	48.60
MW-SF-4	07/17/09	79.38	---	31.85	---	47.53
MW-SF-4	07/20/09	79.38	31.61	31.65	0.04	47.76
MW-SF-4	07/22/09	79.38	31.61	31.65	0.04	47.76
MW-SF-4	10/19/09	79.38	31.90	31.93	0.03	47.47
MW-SF-4	03/15/10	79.38	31.91	31.95	0.04	47.46
MW-SF-4	05/24/10	79.38	---	31.60	---	47.78
MW-SF-4	05/28/10	79.38	---	26.40	---	52.98
MW-SF-4	06/22/10	79.38	---	31.63	---	47.75
MW-SF-4	07/12/10	79.38	---	31.37	---	48.01
MW-SF-4	10/04/10	79.38	---	31.81	---	47.57
MW-SF-4	01/10/11	79.38	---	32.99	---	46.39
MW-SF-4	04/11/11	79.38	---	30.85	---	48.53
MW-SF-4	07/11/11	79.38	---	30.35	---	49.03
MW-SF-4	10/10/11	79.38	---	NM	---	NC
MW-SF-4	01/09/12	79.38	---	32.07	---	47.31
MW-SF-4	04/16/12	79.38	---	33.35	---	46.03
MW-SF-4	07/09/12	79.38	---	32.11	---	47.27
MW-SF-4	10/15/12	79.38	---	34.04	---	45.34
MW-SF-4	01/14/13	79.38	---	34.52	---	44.86
MW-SF-4	04/08/13	79.38	---	DRY	---	NC
MW-SF-4	10/07/13	79.38	---	DRY	---	NC
MW-SF-4	04/25/14	79.38	34.23	40.03	5.80	43.96
MW-SF-4	05/06/14	79.38	33.91	39.78	5.87	44.27
MW-SF-4	05/12/14	79.38	34.64	37.02	2.38	44.25
MW-SF-4	05/20/14	79.38	35.60	36.60	1.00	43.58
MW-SF-4	05/27/14	79.38	35.45	36.12	0.67	43.79
MW-SF-4	06/04/14	79.38	35.91	36.54	0.63	43.34
MW-SF-4	06/10/14	79.38	35.38	37.02	1.64	43.66
MW-SF-4	07/03/14	79.38	35.63	36.98	1.35	43.47
MW-SF-4	07/08/14	79.38	35.34	36.78	1.44	43.74
MW-SF-4	07/18/14	79.38	35.55	35.88	0.33	43.76
MW-SF-4	07/24/14	79.38	35.42	35.98	0.56	43.85
MW-SF-4	08/01/14	79.38	35.30	35.57	0.27	44.02
MW-SF-4	08/14/14	79.38	35.23	35.42	0.19	44.11
MW-SF-4	08/19/14	79.38	35.21	35.36	0.15	44.14
MW-SF-4	08/29/14	79.38	35.20	35.32	0.12	44.16
MW-SF-4	09/18/14	79.38	35.30	35.55	0.25	44.03
MW-SF-4	09/26/14	79.38	35.30	35.56	0.26	44.03

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-4	10/01/14	79.38	35.24	35.56	0.32	44.07
MW-SF-4	10/06/14	79.38	35.22	35.48	0.26	44.11
MW-SF-4	10/14/14	79.38	35.20	35.33	0.13	44.15
MW-SF-4	10/23/14	79.38	35.22	35.51	0.29	44.10
MW-SF-4	10/27/14	79.38	35.25	35.54	0.29	44.07
MW-SF-4	11/18/14	79.38	35.25	35.56	0.31	44.07
MW-SF-4	11/25/14	79.38	35.32	35.66	0.34	43.99
MW-SF-4	12/12/14	79.38	35.58	35.81	0.23	43.75
MW-SF-4	12/19/14	79.38	35.62	35.75	0.13	43.73
MW-SF-4	04/20/15	79.38	35.29	37.78	2.49	43.58
MW-SF-4	05/19/15	79.38	35.28	39.22	3.94	43.29
MW-SF-4	05/29/15	79.38	35.80	37.10	1.30	43.31
MW-SF-4	06/05/15	79.38	36.15	36.85	0.70	43.09
MW-SF-4	06/12/15	79.38	36.15	36.55	0.40	43.15
MW-SF-4	06/19/15	79.38	36.42	36.68	0.26	42.91
MW-SF-4	06/26/15	79.38	36.96	37.23	0.27	42.36
MW-SF-4	10/19/15	79.38	36.25	38.12	1.87	42.75
MW-SF-4	11/17/15	79.38	35.98	37.83	1.85	43.02
MW-SF-4	03/14/16	79.38	---	40.80	---	38.58
MW-SF-4	04/11/16	79.38	---	37.76	---	41.62
MW-SF-4	06/29/16	79.38	---	39.54	---	39.84
MW-SF-4	08/22/16	79.38	---	39.76	---	39.62
MW-SF-4	10/03/16	79.38	---	41.05	---	38.33
MW-SF-4	10/03/16	79.38	---	41.05	---	38.33
MW-SF-4	04/17/17	79.38	---	36.67	---	42.71
MW-SF-4	10/02/17	79.38	---	40.07	---	39.31
MW-SF-4	04/16/18	79.38	---	39.90	---	39.48
MW-SF-4	11/05/18	79.38	---	39.78	---	39.60
MW-SF-4	04/16/19	79.38	---	38.45	---	40.93
MW-SF-4	10/28/19	79.38	---	39.75	---	39.63
MW-SF-4	05/04/20	79.38	---	37.13	---	42.25
MW-SF-4	11/02/20	79.38	---	37.46	---	41.92
MW-SF-4	05/03/21	79.38	---	38.30	---	41.08
MW-SF-5	08/07/01	75.63	---	30.33	---	45.30
MW-SF-5	04/08/02	79.74	---	26.42	---	53.32
MW-SF-5	11/04/02	79.74	31.77	31.79	0.02	47.97
MW-SF-5	04/07/03	79.74	---	NM	---	NC
MW-SF-5	10/06/03	79.74	31.14	31.15	0.01	48.60
MW-SF-5	01/11/04	79.74	---	NM	---	NC
MW-SF-5	04/19/04	79.74	---	32.22	---	47.52
MW-SF-5	05/02/05	79.74	---	27.50	---	52.24
MW-SF-5	10/31/05	79.74	---	27.99	---	51.75
MW-SF-5	05/01/06	79.74	---	28.42	---	51.32
MW-SF-5	12/04/06	79.74	---	28.23	---	51.51
MW-SF-5	04/30/07	79.74	---	29.54	---	50.20
MW-SF-5	08/21/07	79.74	---	28.36	---	51.38
MW-SF-5	08/28/07	79.74	---	28.84	---	50.90
MW-SF-5	10/05/07	79.74	---	29.50	---	50.24

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-5	11/02/07	79.74	---	31.50	---	48.24
MW-SF-5	11/12/07	79.74	---	29.93	---	49.81
MW-SF-5	12/21/07	79.74	---	31.00	---	48.74
MW-SF-5	04/14/08	79.74	---	30.20	---	49.54
MW-SF-5	08/11/08	79.74	---	30.85	---	48.89
MW-SF-5	10/13/08	79.74	---	30.93	---	48.81
MW-SF-5	04/20/09	79.74	---	30.99	---	48.75
MW-SF-5	10/19/09	79.74	---	NM	---	NC
MW-SF-5	05/24/10	79.74	---	31.55	---	48.19
MW-SF-5	05/28/10	79.74	---	31.44	---	48.30
MW-SF-5	06/22/10	79.74	---	31.57	---	48.17
MW-SF-5	10/04/10	79.74	---	31.39	---	48.35
MW-SF-5	01/10/11	79.74	---	33.80	---	45.94
MW-SF-5	04/11/11	79.74	---	31.03	---	48.71
MW-SF-5	07/11/11	79.74	---	NM	---	NC
MW-SF-5	10/10/11	79.74	---	31.28	---	48.46
MW-SF-5	01/09/12	79.74	---	32.12	---	47.62
MW-SF-5	04/16/12	79.74	---	33.30	---	46.44
MW-SF-5	07/09/12	79.74	---	34.45	---	45.29
MW-SF-5	10/15/12	79.74	---	33.28	---	46.46
MW-SF-5	01/14/13	79.74	---	33.37	---	46.37
MW-SF-5	04/08/13	79.74	---	34.28	---	45.46
MW-SF-5	10/07/13	79.74	---	34.58	---	45.16
MW-SF-5	04/14/14	79.74	---	35.33	---	44.41
MW-SF-5	10/27/14	79.74	---	35.48	---	44.26
MW-SF-5	04/20/15	79.74	---	36.05	---	43.69
MW-SF-5	10/19/15	79.74	---	36.82	---	42.92
MW-SF-5	03/14/16	79.74	---	DRY	---	NC
MW-SF-5	04/11/16	79.74	---	DRY	---	NC
MW-SF-5	06/29/16	79.74	---	DRY	---	NC
MW-SF-5	08/22/16	79.74	---	DRY	---	NC
MW-SF-5	10/03/16	79.74	---	DRY	---	NC
MW-SF-5	10/03/16	79.74	---	DRY	---	NC
MW-SF-5	04/17/17	79.74	---	36.88	---	42.86
MW-SF-5	10/02/17	79.74	---	DRY	---	NC
MW-SF-5	04/16/18	79.74	---	DRY	---	NC
MW-SF-5	11/05/18	79.74	---	DRY	---	NC
MW-SF-5	04/16/19	79.74	---	DRY	---	NC
MW-SF-5	10/28/19	79.74	---	DRY	---	NC
MW-SF-5	05/04/20	79.74	---	37.86	---	41.88
MW-SF-5	11/02/20	79.74	---	DRY	---	NC
MW-SF-5	05/03/21	79.74	---	DRY	---	DRY
MW-SF-6	11/20/96	80.59	31.88	39.82	7.94	47.12
MW-SF-6	07/01/97	80.59	33.20	39.18	5.98	46.19
MW-SF-6	12/31/97	80.59	34.38	39.94	5.56	45.10
MW-SF-6	05/01/98	80.59	24.82	30.01	5.19	54.73
MW-SF-6	08/09/99	80.59	---	NM	---	NC
MW-SF-6	11/15/99	80.59	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-6	05/15/00	80.59	29.67	31.19	1.52	50.62
MW-SF-6	11/13/00	80.59	---	NM	---	NC
MW-SF-6	05/07/01	80.59	---	NM	---	NC
MW-SF-6	08/07/01	80.59	---	NM	---	NC
MW-SF-6	11/05/01	80.59	---	NM	---	NC
MW-SF-6	04/07/03	79.96	---	NM	---	NC
MW-SF-6	10/06/03	79.96	---	NM	---	NC
MW-SF-6	01/11/04	79.96	---	NM	---	NC
MW-SF-6	04/19/04	79.96	---	NM	---	NC
MW-SF-6	05/02/05	79.96	---	NM	---	NC
MW-SF-6	10/31/05	79.96	---	NM	---	NC
MW-SF-6	05/01/06	79.96	---	25.43	---	54.53
MW-SF-6	04/30/07	79.96	27.20	27.44	0.24	52.71
MW-SF-6	11/12/07	79.96	---	27.14	---	52.82
MW-SF-6	08/12/08	79.96	---	29.82	---	50.14
MW-SF-6	10/17/08	79.96	---	29.75	---	50.21
MW-SF-6	12/18/08	76.80	---	30.73	---	46.07
MW-SF-6	01/15/09	76.80	---	31.35	---	45.45
MW-SF-6	03/24/09	76.80	---	30.50	---	46.30
MW-SF-6	04/21/09	76.80	---	28.45	---	48.35
MW-SF-6	07/21/09	76.80	---	27.22	---	49.58
MW-SF-6	10/19/09	76.80	---	NM	---	NC
MW-SF-6	11/06/09	76.80	---	29.10	---	47.70
MW-SF-6	12/09/09	76.80	---	31.35	---	45.45
MW-SF-6	10/04/10	76.80	---	29.09	---	47.71
MW-SF-6	01/10/11	76.80	---	30.87	---	45.93
MW-SF-6	04/11/11	76.80	---	28.16	---	48.64
MW-SF-6	07/11/11	76.80	---	NM	---	NC
MW-SF-6	10/10/11	76.80	---	28.21	---	48.59
MW-SF-6	01/09/12	76.80	---	29.03	---	47.77
MW-SF-6	04/16/12	76.80	---	29.66	---	47.14
MW-SF-6	07/09/12	76.80	---	31.46	---	45.34
MW-SF-6	10/15/12	76.80	---	31.44	---	45.36
MW-SF-6	01/14/13	76.80	---	31.53	---	45.27
MW-SF-6	04/08/13	76.80	28.81	30.21	1.40	47.71
MW-SF-6	10/07/13	76.80	---	NM	---	NC
MW-SF-6	11/14/13	76.80	---	31.90	---	44.90
MW-SF-6	04/18/14	76.80	32.15	33.30	1.15	44.42
MW-SF-6	08/08/14	76.80	33.31	34.50	1.19	43.25
MW-SF-6	08/13/14	76.80	32.54	32.95	0.41	44.18
MW-SF-6	08/19/14	76.80	32.62	32.87	0.25	44.13
MW-SF-6	08/29/14	76.80	32.56	32.79	0.23	44.19
MW-SF-6	09/05/14	76.80	32.59	32.81	0.22	44.17
MW-SF-6	09/18/14	76.80	32.65	32.95	0.30	44.09
MW-SF-6	09/26/14	76.80	32.61	32.94	0.33	44.12
MW-SF-6	10/01/14	76.80	32.60	32.91	0.31	44.14
MW-SF-6	10/06/14	76.80	32.61	32.90	0.29	44.13
MW-SF-6	10/14/14	76.80	33.60	33.72	0.12	43.18

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-6	10/23/14	76.80	33.94	34.57	0.63	42.73
MW-SF-6	10/27/14	76.80	32.58	32.92	0.34	44.15
MW-SF-6	11/18/14	76.80	32.62	32.99	0.37	44.11
MW-SF-6	11/25/14	76.80	32.58	32.66	0.08	44.20
MW-SF-6	12/12/14	76.80	33.07	33.45	0.38	43.65
MW-SF-6	12/19/14	76.80	33.15	33.60	0.45	43.56
MW-SF-6	04/20/15	76.80	33.11	33.23	0.12	43.67
MW-SF-6	10/21/15	76.80	---	34.28	---	42.52
MW-SF-6	03/14/16	76.80	38.08	38.10	0.02	38.72
MW-SF-6	04/11/16	76.80	---	35.83	---	40.97
MW-SF-6	06/29/16	76.80	---	36.89	---	39.91
MW-SF-6	08/22/16	76.80	---	37.11	---	39.69
MW-SF-6	10/03/16	76.80	---	38.45	---	38.35
MW-SF-6	10/03/16	76.80	---	38.45	---	38.35
MW-SF-6	04/17/17	76.80	---	34.03	---	42.77
MW-SF-6	10/02/17	76.80	---	37.89	---	38.91
MW-SF-6	04/16/18	76.80	---	37.65	---	39.15
MW-SF-6	11/05/18	76.80	---	37.70	---	39.10
MW-SF-6	04/16/19	76.80	---	36.13	---	40.67
MW-SF-6	10/28/19	76.80	---	37.41	---	39.39
MW-SF-6	05/04/20	76.80	---	34.90	---	41.90
MW-SF-6	11/02/20	76.80	---	35.35	---	41.45
MW-SF-6	05/03/21	76.80	---	35.86	---	40.94
MW-SF-9	11/19/99	74.10	---	25.57	---	48.53
MW-SF-9	11/05/01	74.10	---	32.11	---	41.99
MW-SF-9	04/08/02	74.10	---	31.62	---	42.48
MW-SF-9	04/07/03	74.10	---	NM	---	NC
MW-SF-9	07/30/03	74.10	---	25.12	---	48.98
MW-SF-9	10/06/03	74.10	---	25.23	---	48.87
MW-SF-9	01/11/04	74.10	26.00	26.02	0.02	48.10
MW-SF-9	04/19/04	74.10	26.20	26.23	0.03	47.89
MW-SF-9	05/02/05	74.10	---	20.41	---	53.69
MW-SF-9	10/31/05	74.10	---	27.09	---	47.01
MW-SF-9	05/01/06	74.10	---	22.57	---	51.53
MW-SF-9	12/04/06	74.10	---	23.30	---	50.80
MW-SF-9	04/30/07	74.10	---	22.66	---	51.44
MW-SF-9	08/14/07	74.10	28.61	28.73	0.12	45.47
MW-SF-9	08/21/07	74.10	---	26.55	---	47.55
MW-SF-9	08/28/07	74.10	---	20.55	---	53.55
MW-SF-9	09/11/07	74.10	---	19.40	---	54.70
MW-SF-9	10/05/07	74.10	---	26.84	---	47.26
MW-SF-9	11/02/07	74.10	---	22.76	---	51.34
MW-SF-9	11/12/07	74.10	---	22.96	---	51.14
MW-SF-9	12/21/07	74.10	---	24.05	---	50.05
MW-SF-9	04/14/08	74.10	---	24.23	---	49.87
MW-SF-9	10/13/08	74.10	---	24.83	---	49.27
MW-SF-9	04/20/09	74.10	---	25.27	---	48.83
MW-SF-9	10/19/09	74.10	---	26.45	---	47.65

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-9	05/24/10	74.10	---	25.80	---	48.30
MW-SF-9	05/28/10	74.10	---	25.66	---	48.44
MW-SF-9	06/22/10	74.10	---	25.84	---	48.26
MW-SF-9	10/04/10	74.10	---	26.10	---	48.00
MW-SF-9	01/10/11	74.10	---	27.41	---	46.69
MW-SF-9	04/11/11	74.10	---	24.16	---	49.94
MW-SF-9	07/11/11	74.10	---	NM	---	NC
MW-SF-9	10/10/11	74.10	---	25.02	---	49.08
MW-SF-9	01/09/12	74.10	---	25.98	---	48.12
MW-SF-9	04/16/12	74.10	---	25.92	---	48.18
MW-SF-9	07/09/12	74.10	---	26.44	---	47.66
MW-SF-9	10/15/12	74.10	---	NM	---	NC
MW-SF-9	04/08/13	74.10	---	DRY	---	NC
MW-SF-9	06/06/13	74.10	---	28.53	---	45.57
MW-SF-9	10/07/13	74.10	---	28.95	---	45.15
MW-SF-9	04/25/14	74.10	27.95	34.75	6.80	44.89
MW-SF-9	05/05/14	74.10	31.76	37.81	6.05	41.22
MW-SF-9	05/12/14	74.10	29.11	32.32	3.21	44.40
MW-SF-9	05/20/14	74.10	29.95	30.75	0.80	44.00
MW-SF-9	05/27/14	74.10	32.32	38.08	5.76	40.71
MW-SF-9	06/04/14	74.10	28.61	32.19	3.58	44.83
MW-SF-9	06/10/14	74.10	28.85	36.27	7.42	43.88
MW-SF-9	07/03/14	74.10	32.59	39.26	6.67	40.28
MW-SF-9	07/08/14	74.10	28.60	36.40	7.80	44.06
MW-SF-9	07/18/14	74.10	29.66	31.04	1.38	44.18
MW-SF-9	07/24/14	74.10	29.85	31.15	1.30	44.01
MW-SF-9	08/01/14	74.10	29.85	30.25	0.40	44.18
MW-SF-9	08/14/14	74.10	29.82	30.13	0.31	44.22
MW-SF-9	08/19/14	74.10	29.85	30.08	0.23	44.21
MW-SF-9	08/29/14	74.10	29.81	30.10	0.29	44.24
MW-SF-9	09/05/14	74.10	29.84	30.13	0.29	44.21
MW-SF-9	09/11/14	74.10	28.47	29.49	1.02	45.44
MW-SF-9	09/18/14	74.10	29.90	30.29	0.39	44.13
MW-SF-9	09/26/14	74.10	29.84	30.25	0.41	44.18
MW-SF-9	10/01/14	74.10	29.84	30.24	0.40	44.19
MW-SF-9	10/06/14	74.10	29.83	30.24	0.41	44.19
MW-SF-9	10/14/14	74.10	29.81	30.12	0.31	44.23
MW-SF-9	10/23/14	74.10	29.85	30.27	0.42	44.17
MW-SF-9	10/27/14	74.10	29.89	30.29	0.40	44.14
MW-SF-9	11/18/14	74.10	29.86	30.35	0.49	44.15
MW-SF-9	11/25/14	74.10	29.91	30.42	0.51	44.10
MW-SF-9	12/12/14	74.10	30.10	30.65	0.55	43.90
MW-SF-9	12/19/14	74.10	30.13	30.80	0.67	43.85
MW-SF-9	04/20/15	74.10	27.67	36.69	9.02	44.76
MW-SF-9	05/19/15	74.10	26.83	35.68	8.85	45.63
MW-SF-9	05/21/15	74.10	27.31	32.50	5.19	45.83
MW-SF-9	05/29/15	74.10	30.10	32.95	2.85	43.47
MW-SF-9	06/02/15	74.10	30.45	31.67	1.22	43.42

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-9	06/05/15	74.10	30.60	31.85	1.25	43.27
MW-SF-9	06/12/15	74.10	30.75	31.28	0.53	43.25
MW-SF-9	06/19/15	74.10	31.00	31.30	0.30	43.04
MW-SF-9	06/26/15	74.10	29.50	31.20	1.70	44.29
MW-SF-9	08/11/15	74.10	29.90	36.90	7.00	42.90
MW-SF-9	08/18/15	74.10	30.25	35.19	4.94	42.94
MW-SF-9	08/28/15	74.10	30.75	31.60	0.85	43.19
MW-SF-9	09/01/15	74.10	30.90	31.78	0.88	43.04
MW-SF-9	10/16/15	74.10	31.09	31.60	0.51	42.92
MW-SF-9	10/19/15	74.10	31.04	31.44	0.40	42.99
MW-SF-9	10/30/15	74.10	32.06	32.60	0.54	41.94
MW-SF-9	11/17/15	74.10	31.68	31.71	0.03	42.41
MW-SF-9	03/14/16	74.10	---	34.14	---	39.96
MW-SF-9	04/11/16	74.10	---	32.89	---	41.21
MW-SF-9	06/29/16	74.10	---	34.00	---	40.10
MW-SF-9	08/22/16	74.10	---	NM	---	NC
MW-SF-9	10/03/16	74.10	---	NM	---	NC
MW-SF-9	04/17/17	74.10	---	NM	---	NC
MW-SF-9	10/02/17	74.10	---	NM	---	NC
MW-SF-9	11/05/18	74.10	---	NM	---	NC
MW-SF-9	04/16/19	74.10	---	NM	---	NC
MW-SF-9	10/28/19	74.10	---	NM	---	NC
MW-SF-9	05/04/20	74.10	---	DRY	---	NC
MW-SF-9	11/02/20	74.10	---	DRY	---	NC
MW-SF-9	05/03/21	74.10	---	DRY	---	DRY
MW-SF-10	10/17/08	76.53	---	27.49	---	49.04
MW-SF-10	10/19/09	76.53	---	28.61	---	47.92
MW-SF-10	10/04/10	76.53	28.36	28.50	0.14	48.14
MW-SF-10	04/11/11	76.53	27.37	27.41	0.04	49.15
MW-SF-10	10/10/11	76.53	---	27.60	---	48.93
MW-SF-10	04/16/12	76.53	---	28.81	---	47.72
MW-SF-10	07/09/12	76.53	---	NM	---	NC
MW-SF-10	10/15/12	76.53	---	29.27	---	47.26
MW-SF-10	04/08/13	76.53	---	DRY	---	NC
MW-SF-10	10/07/13	76.53	---	DRY	---	NC
MW-SF-10	04/14/14	76.53	---	DRY	---	NC
MW-SF-10	10/27/14	76.53	---	DRY	---	NC
MW-SF-10	04/20/15	76.53	---	DRY	---	NC
MW-SF-10	10/19/15	76.53	---	DRY	---	NC
MW-SF-10	03/14/16	76.53	---	DRY	---	NC
MW-SF-10	04/11/16	76.53	---	DRY	---	NC
MW-SF-10	06/29/16	76.53	---	DRY	---	NC
MW-SF-10	08/22/16	76.53	---	DRY	---	NC
MW-SF-10	10/03/16	76.53	---	DRY	---	NC
MW-SF-10	10/03/16	76.53	---	DRY	---	NC
MW-SF-10	04/17/17	76.53	---	DRY	---	NC
MW-SF-10	10/02/17	76.53	---	DRY	---	NC
MW-SF-10	04/16/18	76.53	---	DRY	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-10	11/05/18	76.53	---	DRY	---	NC
MW-SF-10	04/16/19	76.53	---	DRY	---	NC
MW-SF-10	10/28/19	76.53	---	DRY	---	NC
MW-SF-10	05/04/20	76.53	---	DRY	---	NC
MW-SF-10	11/02/20	76.53	---	DRY	---	NC
MW-SF-10	05/03/21	76.53	---	DRY	---	DRY
MW-SF-11	08/14/07	78.56	28.30	28.58	0.28	50.20
MW-SF-11	08/21/07	78.56	28.63	28.76	0.13	49.90
MW-SF-11	08/28/07	78.56	---	28.22	---	50.34
MW-SF-11	09/11/07	78.56	---	26.90	---	51.66
MW-SF-11	10/05/07	78.56	---	28.43	---	50.13
MW-SF-11	11/02/07	78.56	29.38	29.48	0.10	49.16
MW-SF-11	11/12/07	78.56	---	29.03	---	49.53
MW-SF-11	08/15/08	78.56	---	30.13	---	48.43
MW-SF-11	10/17/08	78.56	---	30.50	---	48.06
MW-SF-11	12/18/08	78.56	---	29.92	---	48.64
MW-SF-11	01/15/09	78.56	---	30.32	---	48.24
MW-SF-11	03/24/09	78.56	---	31.05	---	47.51
MW-SF-11	04/21/09	78.56	---	30.03	---	48.53
MW-SF-11	07/21/09	78.56	---	30.89	---	47.67
MW-SF-11	10/19/09	78.56	---	NM	---	NC
MW-SF-11	11/09/09	78.56	---	31.00	---	47.56
MW-SF-11	09/03/10	78.56	---	31.22	---	47.34
MW-SF-11	10/04/10	78.56	---	30.94	---	47.62
MW-SF-11	04/12/11	78.56	---	30.82	---	47.74
MW-SF-11	10/10/11	78.56	---	30.10	---	48.46
MW-SF-11	04/16/12	78.56	---	NM	---	NC
MW-SF-11	07/09/12	78.56	---	NM	---	NC
MW-SF-11	10/15/12	78.56	---	33.28	---	45.28
MW-SF-11	04/08/13	78.56	---	33.11	---	45.45
MW-SF-11	10/07/13	78.56	---	33.91	---	44.65
MW-SF-11	04/14/14	78.56	34.95	35.20	0.25	43.56
MW-SF-11	05/05/14	78.56	33.71	36.52	2.81	44.29
MW-SF-11	05/12/14	78.56	33.87	35.45	1.58	44.37
MW-SF-11	05/27/14	78.56	34.65	35.38	0.73	43.76
MW-SF-11	06/04/14	78.56	35.32	35.40	0.08	43.22
MW-SF-11	08/08/14	78.56	33.11	36.22	3.11	44.83
MW-SF-11	08/13/14	78.56	33.47	36.22	2.75	44.54
MW-SF-11	08/19/14	78.56	33.94	36.46	2.52	44.12
MW-SF-11	08/29/14	78.56	33.83	36.68	2.85	44.16
MW-SF-11	09/05/14	78.56	33.80	36.62	2.82	44.20
MW-SF-11	09/11/14	78.56	33.78	37.15	3.37	44.11
MW-SF-11	09/18/14	78.56	33.93	36.79	2.86	44.06
MW-SF-11	09/26/14	78.56	33.88	36.89	3.01	44.08
MW-SF-11	10/01/14	78.56	33.32	34.95	1.63	44.91
MW-SF-11	10/06/14	78.56	33.95	36.36	2.41	44.13
MW-SF-11	10/14/14	78.56	33.86	36.67	2.81	44.14
MW-SF-11	10/23/14	78.56	33.86	36.86	3.00	44.10

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-11	10/27/14	78.56	33.99	36.20	2.21	44.13
MW-SF-11	11/03/14	78.56	33.84	36.91	3.07	44.11
MW-SF-11	11/18/14	78.56	33.95	36.78	2.83	44.04
MW-SF-11	11/25/14	78.56	34.03	36.65	2.62	44.01
MW-SF-11	12/03/14	78.56	33.94	36.71	2.77	44.07
MW-SF-11	12/12/14	78.56	34.08	37.29	3.21	43.84
MW-SF-11	12/19/14	78.56	34.04	38.03	3.99	43.72
MW-SF-11	03/17/15	78.56	35.50	35.94	0.44	42.97
MW-SF-11	04/20/15	78.56	34.86	38.89	4.03	42.89
MW-SF-11	10/20/15	78.56	35.38	37.42	2.04	42.77
MW-SF-11	03/16/16	78.56	---	39.56	---	39.00
MW-SF-11	04/11/16	78.56	---	37.62	---	40.94
MW-SF-11	06/29/16	78.56	---	37.06	---	41.50
MW-SF-11	08/22/16	78.56	---	39.25	---	39.31
MW-SF-11	10/03/16	78.56	---	40.05	---	38.51
MW-SF-11	10/03/16	78.56	---	40.05	---	38.51
MW-SF-11	04/17/17	78.56	---	35.91	---	42.65
MW-SF-11	10/02/17	78.56	---	40.09	---	38.47
MW-SF-11	04/16/18	78.56	---	39.90	---	38.66
MW-SF-11	11/05/18	78.56	---	39.52	---	39.04
MW-SF-11	11/05/18	78.56	---	34.52	---	44.04
MW-SF-11	04/16/19	78.56	---	38.52	---	40.04
MW-SF-11	10/28/19	78.56	---	39.13	---	39.43
MW-SF-11	05/04/20	78.56	---	36.95	---	41.61
MW-SF-11	11/02/20	78.56	---	37.18	---	41.38
MW-SF-11	05/03/21	78.56	---	37.38	---	41.18
MW-SF-12	08/14/07	78.07	---	27.76	---	50.31
MW-SF-12	08/21/07	78.07	---	27.43	---	50.64
MW-SF-12	08/28/07	78.07	---	27.58	---	50.49
MW-SF-12	09/11/07	78.07	---	27.73	---	50.34
MW-SF-12	10/05/07	78.07	---	28.06	---	50.01
MW-SF-12	11/02/07	78.07	---	29.59	---	48.48
MW-SF-12	11/12/07	78.07	---	28.33	---	49.74
MW-SF-12	08/12/08	78.07	---	30.02	---	48.05
MW-SF-12	10/17/08	78.07	---	30.42	---	47.65
MW-SF-12	12/18/08	78.07	---	31.55	---	46.52
MW-SF-12	01/15/09	78.07	---	30.11	---	47.96
MW-SF-12	03/24/09	78.07	---	29.41	---	48.66
MW-SF-12	04/21/09	78.07	---	29.52	---	48.55
MW-SF-12	07/21/09	78.07	---	28.58	---	49.49
MW-SF-12	10/19/09	78.07	---	NM	---	NC
MW-SF-12	11/04/09	78.07	---	30.36	---	47.71
MW-SF-12	02/04/10	78.07	---	29.20	---	48.87
MW-SF-12	10/04/10	78.07	---	30.70	---	47.37
MW-SF-12	04/11/11	78.07	---	29.47	---	48.60
MW-SF-12	10/10/11	78.07	---	26.60	---	51.47
MW-SF-12	04/16/12	78.07	---	31.40	---	46.67
MW-SF-12	07/09/12	78.07	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-12	10/15/12	78.07	---	32.12	---	45.95
MW-SF-12	04/08/13	78.07	---	DRY	---	NC
MW-SF-12	10/07/13	78.07	---	NM	---	NC
MW-SF-12	04/14/14	78.07	32.67	38.04	5.37	44.33
MW-SF-12	05/20/14	78.07	32.90	37.80	4.90	44.19
MW-SF-12	05/27/14	78.07	---	33.27	---	44.80
MW-SF-12	06/04/14	78.07	---	32.78	---	45.29
MW-SF-12	06/10/14	78.07	---	33.76	---	44.31
MW-SF-12	07/03/14	78.07	33.58	NM	---	NC
MW-SF-12	07/24/14	78.07	33.35	NM	3.97	NC
MW-SF-12	08/01/14	78.07	33.17	37.20	4.03	44.09
MW-SF-12	09/05/14	78.07	32.93	38.52	5.59	44.02
MW-SF-12	09/11/14	78.07	32.98	38.56	5.58	43.97
MW-SF-12	09/18/14	78.07	33.09	38.25	5.16	43.95
MW-SF-12	09/26/14	78.07	33.03	38.03	5.00	44.04
MW-SF-12	10/01/14	78.07	33.08	37.82	4.74	44.04
MW-SF-12	10/06/14	78.07	33.07	37.63	4.56	44.09
MW-SF-12	10/14/14	78.07	33.13	37.56	4.43	44.05
MW-SF-12	10/23/14	78.07	33.06	37.56	4.50	44.11
MW-SF-12	10/27/14	78.07	33.08	37.40	4.32	44.13
MW-SF-12	11/03/14	78.07	33.09	37.48	4.39	44.10
MW-SF-12	11/18/14	78.07	33.15	37.44	4.29	44.06
MW-SF-12	11/25/14	78.07	33.21	37.35	4.14	44.03
MW-SF-12	12/03/14	78.07	33.12	37.31	4.19	44.11
MW-SF-12	12/12/14	78.07	33.45	37.92	4.47	43.73
MW-SF-12	12/19/14	78.07	33.50	38.25	4.75	43.62
MW-SF-12	03/17/15	78.07	34.05	36.42	2.37	43.55
MW-SF-12	04/20/15	78.07	34.05	36.42	2.37	43.55
MW-SF-12	10/20/15	78.07	34.84	36.78	1.94	42.84
MW-SF-12	03/16/16	78.07	---	39.03	---	39.04
MW-SF-12	04/11/16	78.07	---	37.13	---	40.94
MW-SF-12	06/29/16	78.07	38.28	38.34	0.06	39.78
MW-SF-12	08/22/16	78.07	---	38.60	---	39.47
MW-SF-12	10/03/16	78.07	---	39.45	---	38.62
MW-SF-12	10/03/16	78.07	---	39.45	---	38.62
MW-SF-12	04/17/17	78.07	---	35.12	---	42.95
MW-SF-12	10/02/17	78.07	---	39.31	---	38.76
MW-SF-12	04/16/18	78.07	---	39.09	---	38.98
MW-SF-12	11/05/18	78.07	---	38.96	---	39.11
MW-SF-12	04/16/19	78.07	---	37.53	---	40.54
MW-SF-12	10/28/19	78.07	---	38.78	---	39.29
MW-SF-12	05/04/20	78.07	---	36.36	---	41.71
MW-SF-12	11/02/20	78.07	---	36.53	---	41.54
MW-SF-12	05/03/21	78.07	---	36.19	---	41.88
MW-SF-13	08/14/07	73.40	---	22.98	---	50.42
MW-SF-13	08/21/07	73.40	---	23.11	---	50.29
MW-SF-13	08/28/07	73.40	---	22.85	---	50.55
MW-SF-13	09/11/07	73.40	---	23.10	---	50.30

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-13	10/05/07	73.40	---	28.11	---	45.29
MW-SF-13	11/02/07	73.40	25.41	25.43	0.02	47.99
MW-SF-13	11/12/07	73.40	---	23.70	---	49.70
MW-SF-13	12/21/07	73.40	24.42	24.45	0.03	48.97
MW-SF-13	08/15/08	73.40	24.11	27.38	3.27	48.47
MW-SF-13	10/17/08	73.40	24.33	27.28	2.95	48.33
MW-SF-13	10/21/08	73.40	24.26	27.14	2.88	48.42
MW-SF-13	12/17/08	73.40	24.70	26.21	1.51	48.32
MW-SF-13	01/15/09	73.40	24.80	26.90	2.10	48.08
MW-SF-13	03/27/09	73.40	25.49	26.46	0.97	47.67
MW-SF-13	04/21/09	73.40	24.78	24.86	0.08	48.60
MW-SF-13	07/21/09	73.40	25.48	25.72	0.24	47.86
MW-SF-13	10/19/09	73.40	---	NM	---	NC
MW-SF-13	11/06/09	73.40	---	25.72	---	47.68
MW-SF-13	02/04/10	73.40	25.30	25.43	0.13	48.07
MW-SF-13	09/03/10	73.40	25.71	27.40	1.69	47.27
MW-SF-13	10/04/10	73.40	25.92	26.95	1.03	47.22
MW-SF-13	04/12/11	73.40	24.78	24.79	0.01	48.62
MW-SF-13	10/10/11	73.40	---	26.00	---	47.40
MW-SF-13	04/16/12	73.40	---	27.19	---	46.21
MW-SF-13	07/09/12	73.40	---	NM	---	NC
MW-SF-13	10/15/12	73.40	---	27.01	---	46.39
MW-SF-13	04/08/13	73.40	---	27.90	---	45.50
MW-SF-13	10/07/13	73.40	---	NM	---	NC
MW-SF-13	11/14/13	73.40	28.25	29.95	1.70	44.73
MW-SF-13	04/14/14	73.40	28.47	31.36	2.89	44.21
MW-SF-13	05/05/14	73.40	28.49	31.62	3.13	44.13
MW-SF-13	05/12/14	73.40	28.88	30.02	1.14	44.24
MW-SF-13	05/20/14	73.40	29.77	31.10	1.33	43.30
MW-SF-13	05/27/14	73.40	29.48	30.17	0.69	43.75
MW-SF-13	06/04/14	73.40	---	30.22	---	43.18
MW-SF-13	06/10/14	73.40	29.76	30.20	0.44	43.53
MW-SF-13	07/03/14	73.40	29.88	30.49	0.61	43.37
MW-SF-13	07/24/14	73.40	29.54	30.50	0.96	43.62
MW-SF-13	08/01/14	73.40	29.25	29.82	0.57	44.01
MW-SF-13	08/08/14	73.40	33.71	34.07	0.36	39.60
MW-SF-13	08/14/14	73.40	29.13	29.96	0.83	44.06
MW-SF-13	08/19/14	73.40	29.15	29.91	0.76	44.06
MW-SF-13	08/29/14	73.40	29.02	30.15	1.13	44.10
MW-SF-13	09/05/14	73.40	29.08	30.19	1.11	44.04
MW-SF-13	09/11/14	73.40	28.91	30.66	1.75	44.05
MW-SF-13	09/18/14	73.40	29.15	30.41	1.26	43.94
MW-SF-13	09/26/14	73.40	29.14	30.18	1.04	44.00
MW-SF-13	10/01/14	73.40	29.05	30.38	1.33	44.02
MW-SF-13	10/06/14	73.40	29.12	30.10	0.98	44.04
MW-SF-13	10/13/14	73.40	29.07	30.28	1.21	44.03
MW-SF-13	10/23/14	73.40	28.95	30.72	1.77	44.01
MW-SF-13	10/27/14	73.40	29.06	30.21	1.15	44.05

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-13	11/03/14	73.40	28.93	30.62	1.69	44.05
MW-SF-13	11/18/14	73.40	29.11	30.54	1.43	43.93
MW-SF-13	11/25/14	73.40	29.14	29.48	0.34	44.18
MW-SF-13	12/03/14	73.40	28.93	31.02	2.09	43.95
MW-SF-13	12/12/14	73.40	29.40	31.05	1.65	43.59
MW-SF-13	12/19/14	73.40	29.40	31.11	1.71	43.57
MW-SF-13	04/20/15	73.40	29.04	32.44	3.40	43.51
MW-SF-13	10/19/15	73.40	29.31	35.16	5.85	42.63
MW-SF-13	03/14/16	73.40	---	34.72	---	38.68
MW-SF-13	04/11/16	73.40	---	32.28	---	41.12
MW-SF-13	06/29/16	73.40	---	33.62	---	39.78
MW-SF-13	08/22/16	73.40	---	33.66	---	39.74
MW-SF-13	10/03/16	73.40	---	34.20	---	39.20
MW-SF-13	10/03/16	73.40	---	34.20	---	39.20
MW-SF-13	04/17/17	73.40	---	30.40	---	43.00
MW-SF-13	10/02/17	73.40	---	34.52	---	38.88
MW-SF-13	04/16/18	73.40	---	34.26	---	39.14
MW-SF-13	11/05/18	73.40	---	34.43	---	38.97
MW-SF-13	04/16/19	73.40	---	32.29	---	41.11
MW-SF-13	11/01/19	73.40	---	33.76	---	39.64
MW-SF-13	05/04/20	73.40	---	31.52	---	41.88
MW-SF-13	11/02/20	73.40	---	32.05	---	41.35
MW-SF-13	05/03/21	73.40	---	32.48	---	40.92
MW-SF-14	08/14/07	78.16	---	27.68	---	50.48
MW-SF-14	08/21/07	78.16	---	27.60	---	50.56
MW-SF-14	08/28/07	78.16	---	27.53	---	50.63
MW-SF-14	09/11/07	78.16	---	27.66	---	50.50
MW-SF-14	10/05/07	78.16	---	27.75	---	50.41
MW-SF-14	11/02/07	78.16	---	29.83	---	48.33
MW-SF-14	11/12/07	78.16	---	NM	---	NC
MW-SF-14	08/15/08	78.16	29.24	29.77	0.53	48.81
MW-SF-14	10/17/08	78.16	29.50	29.52	0.02	48.66
MW-SF-14	12/18/08	78.16	---	30.62	---	47.54
MW-SF-14	01/15/09	78.16	---	30.08	---	48.08
MW-SF-14	03/24/09	78.16	---	29.73	---	48.43
MW-SF-14	04/21/09	78.16	---	29.61	---	48.55
MW-SF-14	07/21/09	78.16	---	29.20	---	48.96
MW-SF-14	10/19/09	78.16	---	NM	---	NC
MW-SF-14	11/06/09	78.16	---	30.48	---	47.68
MW-SF-14	12/09/09	78.16	---	30.68	---	47.48
MW-SF-14	06/22/10	78.16	---	26.17	---	51.99
MW-SF-14	10/04/10	78.16	---	30.54	---	47.62
MW-SF-14	04/12/11	78.16	---	29.55	---	48.61
MW-SF-14	10/10/11	78.16	---	29.84	---	48.32
MW-SF-14	04/16/12	78.16	---	NM	---	NC
MW-SF-14	07/09/12	78.16	---	NM	---	NC
MW-SF-14	10/15/12	78.16	---	30.02	---	48.14
MW-SF-14	04/08/13	78.16	---	32.75	---	45.41

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-14	05/24/13	78.16	---	32.75	---	45.41
MW-SF-14	09/26/13	78.16	34.25	34.50	0.25	43.86
MW-SF-14	10/07/13	78.16	---	NM	---	NC
MW-SF-14	11/14/13	78.16	33.19	33.57	0.38	44.89
MW-SF-14	04/14/14	78.16	33.56	34.81	1.25	44.35
MW-SF-14	08/08/14	78.16	33.98	34.24	0.26	44.13
MW-SF-14	10/14/14	78.16	33.80	34.36	0.56	44.25
MW-SF-14	10/23/14	78.16	34.43	34.49	0.06	43.72
MW-SF-14	10/27/14	78.16	33.97	34.40	0.43	44.10
MW-SF-14	11/18/14	78.16	34.07	34.27	0.20	44.05
MW-SF-14	04/20/15	78.16	---	34.48	---	43.68
MW-SF-14	10/21/15	78.16	---	35.25	---	42.91
MW-SF-14	03/14/16	78.16	---	36.21	---	41.95
MW-SF-14	04/11/16	78.16	---	37.14	---	41.02
MW-SF-14	06/29/16	78.16	---	37.36	---	40.80
MW-SF-14	08/22/16	78.16	---	DRY	---	NC
MW-SF-14	10/03/16	78.16	---	DRY	---	NC
MW-SF-14	10/03/16	78.16	---	DRY	---	NC
MW-SF-14	04/17/17	78.16	---	DRY	---	NC
MW-SF-14	10/02/17	78.16	---	DRY	---	NC
MW-SF-14	04/16/18	78.16	---	DRY	---	NC
MW-SF-14	11/05/18	78.16	---	DRY	---	NC
MW-SF-14	04/16/19	78.16	---	DRY	---	NC
MW-SF-14	10/28/19	78.16	---	DRY	---	NC
MW-SF-14	05/04/20	78.16	---	DRY	---	NC
MW-SF-14	11/02/20	78.16	---	DRY	---	NC
MW-SF-14	05/03/21	78.16	---	DRY	---	DRY
MW-SF-15	08/14/07	78.27	27.75	27.78	0.03	50.51
MW-SF-15	08/21/07	78.27	27.65	27.69	0.04	50.61
MW-SF-15	08/28/07	78.27	27.61	27.65	0.04	50.65
MW-SF-15	09/11/07	78.27	---	27.62	---	50.65
MW-SF-15	10/05/07	78.27	---	28.15	---	50.12
MW-SF-15	11/02/07	78.27	30.20	30.45	0.25	48.02
MW-SF-15	11/12/07	78.27	---	28.75	---	49.52
MW-SF-15	08/15/08	78.27	29.35	30.12	0.77	48.77
MW-SF-15	10/17/08	78.27	29.44	30.80	1.36	48.56
MW-SF-15	10/21/08	78.27	29.31	30.80	1.49	48.66
MW-SF-15	12/18/08	78.27	30.56	32.11	1.55	47.40
MW-SF-15	01/15/09	78.27	29.70	31.75	2.05	48.16
MW-SF-15	03/24/09	78.27	29.93	30.32	0.39	48.26
MW-SF-15	04/21/09	78.27	29.60	29.96	0.36	48.60
MW-SF-15	07/21/09	78.27	---	30.45	---	47.82
MW-SF-15	10/19/09	78.27	---	NM	---	NC
MW-SF-15	11/04/09	78.27	30.45	31.10	0.36	47.46
MW-SF-15	12/09/09	78.27	---	30.87	---	47.40
MW-SF-15	10/04/10	78.27	30.65	30.66	0.01	47.62
MW-SF-15	04/12/11	78.27	29.40	30.50	1.10	48.65
MW-SF-15	10/10/11	78.27	---	29.60	---	48.67

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-15	12/02/11	78.27	30.05	31.40	1.35	47.95
MW-SF-15	04/16/12	78.27	32.39	32.48	0.09	45.86
MW-SF-15	07/09/12	78.27	---	NM	---	NC
MW-SF-15	10/15/12	78.16	---	33.04	---	45.12
MW-SF-15	04/08/13	78.27	---	33.90	---	44.37
MW-SF-15	05/24/13	78.27	---	33.90	---	44.37
MW-SF-15	10/07/13	78.27	---	NM	---	NC
MW-SF-15	11/14/13	78.27	33.38	33.41	0.03	44.88
MW-SF-15	04/18/14	78.27	---	33.85	---	44.42
MW-SF-15	08/08/14	78.27	33.96	34.87	0.91	44.13
MW-SF-15	08/13/14	78.27	33.95	34.89	0.94	44.13
MW-SF-15	08/19/14	78.27	33.94	34.90	0.96	44.14
MW-SF-15	08/29/14	78.27	35.38	35.65	0.27	42.84
MW-SF-15	10/27/14	78.27	---	35.82	---	42.45
MW-SF-15	04/20/15	78.27	34.12	36.63	2.51	43.65
MW-SF-15	10/19/15	78.27	34.87	37.90	3.03	42.79
MW-SF-15	11/17/15	78.27	35.36	37.71	2.35	42.44
MW-SF-15	03/14/16	78.27	---	39.70	---	38.57
MW-SF-15	04/11/16	78.27	---	37.24	---	41.03
MW-SF-15	06/29/16	78.27	---	38.70	---	39.57
MW-SF-15	08/22/16	78.27	---	38.78	---	39.49
MW-SF-15	10/03/16	78.27	---	39.56	---	38.71
MW-SF-15	10/03/16	78.27	---	39.56	---	38.71
MW-SF-15	04/17/17	78.27	---	35.39	---	42.88
MW-SF-15	10/02/17	78.27	---	39.40	---	38.87
MW-SF-15	04/16/18	78.27	---	39.10	---	39.17
MW-SF-15	11/05/18	78.27	---	39.00	---	39.27
MW-SF-15	04/23/19	78.27	---	36.15	---	42.12
MW-SF-15	10/28/19	78.27	---	38.92	---	39.35
MW-SF-15	05/04/20	78.27	---	36.37	---	41.90
MW-SF-15	11/02/20	78.27	---	36.72	---	41.55
MW-SF-15	05/03/21	78.27	---	37.53	---	40.74
MW-SF-16	08/14/07	78.21	---	27.68	---	50.53
MW-SF-16	08/21/07	78.21	---	27.33	---	50.88
MW-SF-16	08/28/07	78.21	---	27.51	---	50.70
MW-SF-16	09/11/07	78.21	---	27.59	---	50.62
MW-SF-16	10/05/07	78.21	---	28.10	---	50.11
MW-SF-16	11/02/07	78.21	---	29.81	---	48.40
MW-SF-16	11/12/07	78.21	---	28.40	---	49.81
MW-SF-16	08/15/08	78.21	---	29.36	---	48.85
MW-SF-16	10/17/08	78.21	---	29.51	---	48.70
MW-SF-16	12/18/08	78.21	---	30.94	---	47.27
MW-SF-16	01/15/09	78.21	30.00	30.01	0.01	48.21
MW-SF-16	03/24/09	78.21	---	29.82	---	48.39
MW-SF-16	04/21/09	78.21	---	29.60	---	48.61
MW-SF-16	07/21/09	78.21	---	30.36	---	47.85
MW-SF-16	10/19/09	78.21	---	NM	---	NC
MW-SF-16	11/04/09	78.21	---	30.58	---	47.63

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-SF-16	02/04/10	78.21	---	30.36	---	47.85
MW-SF-16	09/03/10	78.21	---	30.25	---	47.96
MW-SF-16	10/04/10	78.21	---	30.49	---	47.72
MW-SF-16	04/12/11	78.21	---	29.52	---	48.69
MW-SF-16	10/10/11	78.21	---	29.85	---	48.36
MW-SF-16	04/16/12	78.21	---	NM	---	NC
MW-SF-16	07/09/12	78.21	---	NM	---	NC
MW-SF-16	10/15/12	78.21	---	32.47	---	45.74
MW-SF-16	04/08/13	78.21	32.73	32.97	0.24	45.43
MW-SF-16	05/24/13	78.21	32.73	32.97	0.24	45.43
MW-SF-16	10/07/13	78.21	---	NM	---	NC
MW-SF-16	11/14/13	78.21	33.21	33.80	0.59	44.88
MW-SF-16	04/18/14	78.21	33.65	34.20	0.55	44.45
MW-SF-16	08/08/14	78.21	34.05	34.06	0.01	44.16
MW-SF-16	10/27/14	78.21	---	34.25	---	43.96
MW-SF-16	04/20/15	78.21	---	34.52	---	43.69
MW-SF-16	06/08/15	78.21	35.00	35.17	0.17	43.18
MW-SF-16	10/21/15	78.21	---	34.56	---	43.65
MW-SF-16	03/14/16	78.21	---	39.60	---	38.61
MW-SF-16	04/11/16	78.21	---	37.15	---	41.06
MW-SF-16	06/29/16	78.21	---	38.35	---	39.86
MW-SF-16	08/22/16	78.21	---	38.51	---	39.70
MW-SF-16	10/03/16	78.21	---	39.35	---	38.86
MW-SF-16	10/03/16	78.21	---	39.35	---	38.86
MW-SF-16	04/17/17	78.21	---	35.20	---	43.01
MW-SF-16	10/02/17	78.21	---	DRY	---	NC
MW-SF-16	04/16/18	78.21	---	DRY	---	NC
MW-SF-16	11/05/18	78.21	---	DRY	---	NC
MW-SF-16	04/16/19	78.21	---	DRY	---	NC
MW-SF-16	10/28/19	78.21	---	DRY	---	NC
MW-SF-16	05/04/20	78.21	---	DRY	---	NC
MW-SF-16	11/02/20	78.21	---	DRY	---	NC
MW-SF-16	05/03/21	78.21	---	DRY	---	DRY
OLD_TF-24	11/20/96	76.36	---	31.18	---	45.18
OLD_TF-24	04/27/07	76.36	---	27.39	---	48.97
PO-7	07/08/11	80.26	---	NM	---	NC
PW-1	11/20/96	75.52	---	29.04	---	46.48
PW-1	07/01/97	75.52	---	30.17	---	45.35
PW-1	12/31/97	75.52	---	28.95	---	46.57
PW-1	05/01/98	75.52	---	27.37	---	48.15
PW-1	05/06/99	75.52	---	27.44	---	48.08
PW-1	08/09/99	75.52	---	27.87	---	47.65
PW-1	11/15/99	75.52	---	27.78	---	47.74
PW-1	05/15/00	75.52	---	27.63	---	47.89
PW-1	11/13/00	75.52	---	28.84	---	46.68
PW-1	05/07/01	75.52	---	27.01	---	48.51
PW-1	11/05/01	75.52	---	26.72	---	48.80
PW-1	04/08/02	75.52	---	27.45	---	48.07

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
PW-1	10/21/02	75.52	---	27.63	---	47.89
PW-1	04/07/03	75.52	---	27.60	---	47.92
PW-1	10/06/03	75.52	---	27.68	---	47.84
PW-1	01/11/04	75.52	---	28.61	---	46.91
PW-1	04/19/04	75.52	---	28.85	---	46.67
PW-1	05/02/05	75.52	---	25.43	---	50.09
PW-1	10/31/05	75.52	---	NM	---	NC
PW-1	05/01/06	75.52	---	25.03	---	50.49
PW-1	12/04/06	75.52	---	25.83	---	49.69
PW-1	04/30/07	75.52	---	25.80	---	49.72
PW-1	11/12/07	75.52	---	26.03	---	49.49
PW-1	04/14/08	75.52	---	26.41	---	49.11
PW-1	10/13/08	75.52	---	26.85	---	48.67
PW-1	11/21/08	75.52	---	26.80	---	48.72
PW-1	04/20/09	75.52	---	27.27	---	48.25
PW-1	10/19/09	75.52	---	27.74	---	47.78
PW-1	05/24/10	75.52	---	28.00	---	47.52
PW-1	05/28/10	75.52	---	27.98	---	47.54
PW-1	10/04/10	75.52	---	28.10	---	47.42
PW-1	04/11/11	75.52	---	27.03	---	48.49
PW-1	10/10/11	75.52	---	26.77	---	48.75
PW-1	04/16/12	75.52	---	NM	---	NC
PW-1	07/09/12	75.52	---	NM	---	NC
PW-1	10/15/12	75.52	---	27.76	---	47.76
PW-1	04/08/13	75.52	---	DRY	---	NC
PW-1	10/07/13	75.52	---	DRY	---	NC
PW-1	04/14/14	75.52	---	DRY	---	NC
PW-1	10/27/14	75.52	---	DRY	---	NC
PW-1	04/20/15	75.52	---	DRY	---	NC
PW-1	10/19/15	75.52	---	DRY	---	NC
PW-1	04/11/16	75.52	---	DRY	---	NC
PW-1	10/03/16	75.52	---	DRY	---	NC
PW-1	10/03/16	75.52	---	DRY	---	NC
PW-1	04/17/17	75.52	---	DRY	---	NC
PW-1	10/02/17	75.52	---	34.40	---	41.12
PW-1	04/16/18	75.52	---	DRY	---	NC
PW-1	11/05/18	75.52	---	DRY	---	NC
PW-1	04/16/19	75.52	---	DRY	---	NC
PW-1	10/28/19	75.52	---	DRY	---	NC
PW-1	05/04/20	75.52	---	DRY	---	NC
PW-1	11/02/20	75.52	---	DRY	---	NC
PW-1	05/03/21	75.52	---	DRY	---	DRY
PW-2	11/20/96	74.65	---	28.82	---	45.83
PW-2	07/01/97	74.65	---	31.20	---	43.45
PW-2	12/31/97	74.65	---	28.52	---	46.13
PW-2	05/01/98	74.65	---	26.34	---	48.31
PW-2	02/02/99	74.65	---	25.39	---	49.26
PW-2	05/06/99	74.65	---	26.42	---	48.23

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
PW-2	08/09/99	74.65	---	26.92	---	47.73
PW-2	11/15/99	74.65	---	28.05	---	46.60
PW-2	02/29/00	74.65	---	26.82	---	47.83
PW-2	05/15/00	74.65	---	27.12	---	47.53
PW-2	08/28/00	74.65	---	28.10	---	46.55
PW-2	11/13/00	74.65	---	28.36	---	46.29
PW-2	02/05/01	74.65	---	26.84	---	47.81
PW-2	05/07/01	74.65	---	26.22	---	48.43
PW-2	09/18/01	74.65	---	25.85	---	48.80
PW-2	11/05/01	74.65	---	26.00	---	48.65
PW-2	01/29/02	74.65	---	26.09	---	48.56
PW-2	04/08/02	74.65	---	26.69	---	47.96
PW-2	10/21/02	74.65	---	26.95	---	47.70
PW-2	01/14/03	74.65	---	26.86	---	47.79
PW-2	04/07/03	74.65	---	28.96	---	45.69
PW-2	07/07/03	74.71	---	27.51	---	47.20
PW-2	10/06/03	74.65	---	27.00	---	47.65
PW-2	01/11/04	74.71	---	28.02	---	46.69
PW-2	01/20/04	74.71	---	29.28	---	45.43
PW-2	04/19/04	74.71	---	26.21	---	48.50
PW-2	04/27/04	74.71	---	27.69	---	47.02
PW-2	06/07/04	74.71	---	28.13	---	46.58
PW-2	07/08/04	74.71	---	29.35	---	45.36
PW-2	05/02/05	74.71	---	24.56	---	50.15
PW-2	10/31/05	74.71	---	23.80	---	50.91
PW-2	05/01/06	74.71	---	24.28	---	50.43
PW-2	12/04/06	74.71	---	25.05	---	49.66
PW-2	04/30/07	74.71	---	25.02	---	49.69
PW-2	11/12/07	74.71	---	25.41	---	49.30
PW-2	04/14/08	74.71	---	25.75	---	48.96
PW-2	10/13/08	74.71	---	25.15	---	49.56
PW-2	04/20/09	74.71	---	DRY	---	NC
PW-2	10/19/09	74.71	---	DRY	---	NC
PW-2	05/24/10	74.71	---	DRY	---	NC
PW-2	05/28/10	74.71	---	DRY	---	NC
PW-2	10/04/10	74.71	---	NM	---	NC
PW-2	04/11/11	74.71	---	NM	---	NC
PW-2	10/10/11	74.71	---	DRY	---	NC
PW-2	04/16/12	74.71	---	NM	---	NC
PW-2	07/09/12	74.71	---	NM	---	NC
PW-2	10/15/12	74.71	---	DRY	---	NC
PW-2	04/08/13	74.71	---	DRY	---	NC
PW-2	10/07/13	74.71	---	DRY	---	NC
PW-2	04/14/14	74.71	---	DRY	---	NC
PW-2	10/27/14	74.71	---	DRY	---	NC
PW-2	04/20/15	74.71	---	DRY	---	NC
PW-2	10/19/15	74.71	---	DRY	---	NC
PW-2	04/11/16	74.71	---	DRY	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
PW-2	10/03/16	74.71	---	DRY	---	NC
PW-2	10/03/16	74.71	---	DRY	---	NC
PW-2	04/17/17	74.71	---	DRY	---	NC
PW-2	10/02/17	74.71	---	DRY	---	NC
PW-2	04/16/18	74.71	---	DRY	---	NC
PW-2	11/05/18	74.71	---	DRY	---	NC
PW-2	04/16/19	74.71	---	DRY	---	NC
PW-2	10/28/19	74.71	---	DRY	---	NC
PW-2	05/04/20	74.71	---	32.48	---	42.23
PW-2	11/02/20	74.71	---	DRY	---	NC
PW-2	05/03/21	74.71	---	DRY	---	DRY
PW-3	11/20/96	73.64	---	27.11	---	46.53
PW-3	07/01/97	73.64	---	28.84	---	44.80
PW-3	12/31/97	73.64	---	27.29	---	46.35
PW-3	05/01/98	73.64	---	25.10	---	48.54
PW-3	02/03/99	73.64	---	24.23	---	49.41
PW-3	05/04/99	73.64	---	25.05	---	48.59
PW-3	08/10/99	73.64	---	25.35	---	48.29
PW-3	11/15/99	73.64	---	NM	---	NC
PW-3	05/15/00	73.64	---	NM	---	NC
PW-3	08/28/00	73.64	---	NM	---	NC
PW-3	11/13/00	73.64	---	26.46	---	47.18
PW-3	02/05/01	73.64	---	25.60	---	48.04
PW-3	05/07/01	73.64	---	24.96	---	48.68
PW-3	09/18/01	73.64	---	24.72	---	48.92
PW-3	11/05/01	73.64	---	24.80	---	48.84
PW-3	01/29/02	73.64	---	24.91	---	48.73
PW-3	04/08/02	73.64	---	25.30	---	48.34
PW-3	10/21/02	73.64	---	25.76	---	47.88
PW-3	01/14/03	73.64	---	25.72	---	47.92
PW-3	04/07/03	73.64	---	26.17	---	47.47
PW-3	07/07/03	73.71	---	25.81	---	47.90
PW-3	10/06/03	73.64	---	25.63	---	48.01
PW-3	01/11/04	73.71	---	26.03	---	47.68
PW-3	01/20/04	73.71	---	26.36	---	47.35
PW-3	04/19/04	73.71	---	26.63	---	47.08
PW-3	04/27/04	73.71	---	26.34	---	47.37
PW-3	06/07/04	73.71	---	26.63	---	47.08
PW-3	07/08/04	73.71	---	26.81	---	46.90
PW-3	05/02/05	73.71	---	23.48	---	50.23
PW-3	10/31/05	73.71	---	23.61	---	50.10
PW-3	05/01/06	73.71	---	23.22	---	50.49
PW-3	12/04/06	73.71	---	23.95	---	49.76
PW-3	04/30/07	73.71	---	23.99	---	49.72
PW-3	11/12/07	73.71	---	24.33	---	49.38
PW-3	04/14/08	73.71	---	24.75	---	48.96
PW-3	10/13/08	73.71	---	26.20	---	47.51
PW-3	04/20/09	73.71	---	25.40	---	48.31

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
PW-3	10/19/09	73.71	---	26.03	---	47.68
PW-3	05/24/10	73.71	---	26.45	---	47.26
PW-3	05/28/10	73.71	---	26.41	---	47.30
PW-3	10/04/10	73.71	---	26.61	---	47.10
PW-3	04/11/11	73.71	---	25.60	---	48.11
PW-3	10/10/11	73.71	---	25.57	---	48.14
PW-3	04/16/12	73.71	---	26.55	---	47.16
PW-3	07/09/12	73.71	---	NM	---	NC
PW-3	10/15/12	73.71	---	NM	---	NC
PW-3	04/08/13	73.71	---	27.79	---	45.92
PW-3	10/07/13	73.71	---	28.57	---	45.14
PW-3	04/14/14	73.71	---	29.20	---	44.51
PW-3	10/27/14	73.71	---	29.73	---	43.98
PW-3	04/20/15	73.71	---	30.62	---	43.09
PW-3	10/19/15	73.71	---	31.08	---	42.63
PW-3	04/11/16	73.71	---	32.37	---	41.34
PW-3	10/03/16	73.71	---	33.23	---	40.48
PW-3	10/03/16	73.71	---	33.23	---	40.48
PW-3	04/17/17	73.71	---	31.60	---	42.11
PW-3	10/02/17	73.71	---	33.26	---	40.45
PW-3	04/16/18	73.71	---	33.75	---	39.96
PW-3	11/05/18	73.71	---	33.95	---	39.76
PW-3	04/16/19	73.71	---	33.12	---	40.59
PW-3	10/31/19	73.71	---	34.06	---	39.65
PW-3	05/04/20	73.71	---	32.89	---	40.82
PW-3	11/02/20	73.71	---	33.05	---	40.66
PW-3	05/03/21	73.71	---	33.54	---	40.17
PZ-1	11/20/96	73.74	---	26.91	---	46.83
PZ-1	07/01/97	73.74	---	27.61	---	46.13
PZ-1	12/31/97	73.74	---	27.03	---	46.71
PZ-1	05/01/98	73.74	---	24.13	---	49.61
PZ-1	05/04/99	73.74	---	25.74	---	48.00
PZ-1	08/09/99	73.74	---	25.77	---	47.97
PZ-1	11/15/99	73.74	---	26.46	---	47.28
PZ-1	05/15/00	73.74	---	26.09	---	47.65
PZ-1	11/13/00	73.74	---	26.51	---	47.23
PZ-1	05/07/01	73.74	---	24.78	---	48.96
PZ-1	11/05/01	73.74	---	24.81	---	48.93
PZ-1	04/08/02	73.74	---	25.50	---	48.24
PZ-2	11/20/96	73.96	---	27.49	---	46.47
PZ-2	11/20/96	73.96	---	NM	0.46	NC
PZ-2	07/01/97	73.96	27.56	28.92	1.36	46.13
PZ-2	12/31/97	73.96	28.87	29.45	0.58	44.97
PZ-2	05/01/98	73.96	23.83	25.40	1.57	49.82
PZ-2	05/04/99	73.96	25.38	27.20	1.82	48.22
PZ-2	08/09/99	73.96	25.71	27.58	1.87	47.88
PZ-2	11/15/99	73.96	---	26.83	---	47.13
PZ-2	05/15/00	73.96	---	26.17	---	47.79

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
PZ-2	11/13/00	73.96	26.58	26.88	0.30	47.32
PZ-2	05/07/01	73.96	24.99	25.21	0.27	48.97
PZ-2	11/05/01	73.96	24.87	25.09	0.22	49.05
PZ-2	04/08/02	73.96	24.96	24.96	0.00	49.00
PZ-2	10/21/02	73.96	26.31	26.44	0.13	47.62
PZ-2	04/07/03	73.96	26.12	26.22	0.10	47.82
PZ-2	10/06/03	73.96	25.51	25.53	0.02	48.45
PZ-2	04/19/04	73.96	26.81	26.89	0.08	47.13
PZ-2	11/02/04	73.96	27.19	27.24	0.05	46.76
PZ-2	05/02/05	73.96	---	22.18	---	51.78
PZ-2	10/31/05	73.96	---	24.11	---	49.85
PZ-2	05/22/06	73.96	---	23.16	---	50.80
PZ-2	12/04/06	73.96	---	23.85	---	50.11
PZ-2	04/30/07	73.96	---	23.97	---	49.99
PZ-2	11/12/07	73.96	---	24.30	---	49.66
PZ-2	04/14/08	73.96	---	24.69	---	49.27
PZ-2	10/13/08	73.96	---	25.35	---	48.61
PZ-2	05/22/09	73.96	---	25.55	---	48.41
PZ-2	10/19/09	73.96	---	NM	---	NC
PZ-2	05/24/10	73.96	---	26.30	---	47.66
PZ-2	05/28/10	73.96	---	26.30	---	47.66
PZ-2	10/04/10	73.96	---	26.36	---	47.60
PZ-2	01/10/11	73.96	---	27.57	---	46.39
PZ-2	04/11/11	73.96	---	25.32	---	48.64
PZ-2	07/11/11	73.96	---	NM	---	NC
PZ-2	10/10/11	73.96	---	25.67	---	48.29
PZ-2	01/09/12	73.96	---	27.21	---	46.75
PZ-2	04/27/12	73.96	---	27.83	---	46.13
PZ-2	07/09/12	73.96	---	28.16	---	45.80
PZ-2	10/15/12	73.96	---	27.76	---	46.20
PZ-2	01/14/13	73.96	---	DRY	---	NC
PZ-2	04/08/13	73.96	---	28.68	---	45.28
PZ-2	10/07/13	73.96	---	29.28	---	44.68
PZ-2	04/14/14	73.96	---	29.74	---	44.22
PZ-2	04/20/15	73.96	---	30.48	---	43.48
PZ-2	10/19/15	73.96	---	31.18	---	42.78
PZ-2	03/14/16	73.96	---	34.72	---	39.24
PZ-2	04/11/16	73.96	---	32.97	---	40.99
PZ-2	06/29/16	73.96	---	34.04	---	39.92
PZ-2	08/22/16	73.96	---	33.95	---	40.01
PZ-2	10/03/16	73.96	---	34.67	---	39.29
PZ-2	10/03/16	73.96	---	34.67	---	39.29
PZ-2	04/17/17	73.96	---	31.13	---	42.83
PZ-2	10/02/17	73.96	---	34.65	---	39.31
PZ-2	04/16/18	73.96	---	34.63	---	39.33
PZ-2	11/05/18	73.96	---	34.55	---	39.41
PZ-2	04/16/19	73.96	---	31.37	---	42.59
PZ-2	10/28/19	73.96	---	34.58	---	39.38

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
PZ-2	05/04/20	73.96	---	32.48	---	41.48
PZ-2	11/02/20	73.96	---	32.66	---	41.30
PZ-2	05/03/21	73.96	---	DRY	---	DRY
PZ-3	11/20/96	76.17	28.79	32.80	4.01	46.58
PZ-3	07/01/97	76.17	28.75	30.69	1.94	47.03
PZ-3	12/31/97	76.17	28.60	32.86	4.26	46.72
PZ-3	05/01/98	76.17	18.34	25.21	6.87	56.46
PZ-3	05/25/99	76.17	---	31.70	---	44.47
PZ-3	05/19/00	76.17	27.48	31.54	4.16	47.96
PZ-3	11/13/00	76.17	27.01	30.05	3.04	48.55
PZ-3	05/07/01	76.17	25.99	30.30	4.31	49.32
PZ-3	04/08/02	76.17	---	31.00	---	45.17
PZ-3	09/19/02	76.17	28.84	29.94	1.10	47.11
PZ-3	10/21/02	76.17	28.10	29.66	1.56	47.76
PZ-3	04/07/03	76.17	27.81	28.80	0.99	48.16
PZ-3	10/06/03	76.17	27.65	28.90	1.25	48.27
PZ-3	04/19/04	76.17	29.08	29.68	0.60	46.97
PZ-3	11/01/04	76.17	28.32	29.63	1.31	47.59
PZ-3	02/28/05	76.17	24.32	26.89	2.57	51.34
PZ-3	03/06/06	76.17	24.97	25.12	0.15	51.17
PZ-3	05/01/06	76.17	25.39	25.96	0.57	50.67
PZ-3	08/26/06	76.17	25.76	26.26	0.50	50.31
PZ-3	12/01/06	76.17	26.11	26.77	0.66	49.93
PZ-3	03/21/07	76.17	26.05	26.16	0.11	50.10
PZ-3	04/30/07	76.17	26.66	26.68	0.02	49.51
PZ-3	11/12/07	76.17	---	NM	---	NC
PZ-3	02/05/08	76.17	---	27.84	---	48.33
PZ-3	07/24/08	76.17	---	27.33	---	48.84
PZ-3	10/14/08	76.17	---	28.07	---	48.10
PZ-3	02/10/09	76.17	---	27.31	---	48.86
PZ-3	04/20/09	76.17	---	27.94	---	48.23
PZ-3	07/16/09	76.17	---	28.97	---	47.20
PZ-3	04/08/10	76.17	---	28.40	---	47.77
PZ-3	04/12/10	76.17	---	28.14	---	48.03
PZ-3	01/08/11	76.17	---	28.85	---	47.32
PZ-3	04/08/11	76.17	---	27.63	---	48.54
PZ-3	07/08/11	76.17	---	27.85	---	48.32
PZ-3	10/07/11	76.17	---	28.46	---	47.71
PZ-3	04/12/12	76.17	---	29.48	---	46.69
PZ-3	04/19/12	76.17	---	29.30	---	46.87
PZ-3	01/11/13	76.17	30.20	33.08	2.88	45.39
PZ-3	04/03/13	76.17	30.63	30.86	0.23	45.49
PZ-3	04/08/13	76.17	30.56	30.99	0.43	45.52
PZ-3	10/02/13	76.17	---	31.45	---	44.72
PZ-3	04/07/14	76.17	---	32.27	---	43.90
PZ-3	04/18/14	76.17	---	31.92	---	44.25
PZ-3	10/27/14	76.17	---	32.41	---	43.76
PZ-3	04/20/15	76.17	---	32.80	---	43.37

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
PZ-3	04/11/16	76.17	---	34.07	---	42.10
PZ-3	10/03/16	76.17	34.37	35.14	0.77	NC
PZ-3	04/20/17	76.17	33.55	33.56	0.01	42.62
PZ-3	10/03/17	76.17	---	34.42	---	41.75
PZ-3	04/16/18	76.17	---	35.14	---	41.03
PZ-3	11/05/18	76.17	---	35.75	---	40.42
PZ-3	04/19/19	76.17	---	33.54	---	42.63
PZ-3	10/29/19	76.17	---	35.58	---	40.59
PZ-3	05/04/20	76.17	---	34.82	---	41.35
PZ-3	11/02/20	76.17	---	35.20	---	40.97
PZ-3	05/04/21	76.17	---	35.74	---	40.43
PZ-4	11/20/96	76.13	---	29.80	---	46.33
PZ-4	07/01/97	76.13	---	29.66	---	46.47
PZ-4	12/31/97	76.13	---	29.63	---	46.50
PZ-4	05/01/98	76.13	---	26.82	---	49.31
PZ-4	05/25/99	76.13	---	27.57	---	48.56
PZ-4	05/15/00	76.13	---	28.28	---	47.85
PZ-4	11/13/00	76.13	---	27.89	---	48.24
PZ-4	05/07/01	76.13	---	26.97	---	49.16
PZ-4	05/07/01	76.13	---	25.08	---	51.05
PZ-4	04/08/02	76.13	---	28.16	---	47.97
PZ-4	09/19/02	76.13	---	29.20	---	46.93
PZ-4	04/07/03	76.13	---	28.08	---	48.05
PZ-4	10/06/03	76.13	---	28.03	---	48.10
PZ-4	04/19/04	76.13	---	29.50	---	46.63
PZ-4	11/01/04	76.13	---	28.80	---	47.33
PZ-4	02/28/05	76.13	---	25.13	---	51.00
PZ-4	05/02/05	76.13	---	24.50	---	51.63
PZ-4	03/06/06	76.13	---	25.25	---	50.88
PZ-4	05/01/06	76.13	---	25.63	---	50.50
PZ-4	08/26/06	76.13	---	26.05	---	50.08
PZ-4	12/01/06	76.13	---	26.38	---	49.75
PZ-4	03/21/07	76.13	---	26.12	---	50.01
PZ-4	04/30/07	76.13	---	26.93	---	49.20
PZ-4	08/28/07	76.13	---	26.54	---	49.59
PZ-4	11/12/07	76.13	---	27.50	---	48.63
PZ-4	02/05/08	76.13	---	27.42	---	48.71
PZ-4	04/11/08	76.13	---	24.85	---	51.28
PZ-4	10/14/08	76.13	---	28.31	---	47.82
PZ-4	02/10/09	76.13	---	27.05	---	49.08
PZ-4	04/20/09	76.13	---	28.44	---	47.69
PZ-4	07/16/09	76.13	---	29.05	---	47.08
PZ-4	04/08/10	76.13	---	28.41	---	47.72
PZ-4	10/01/10	76.13	---	28.93	---	47.20
PZ-4	01/08/11	76.13	---	28.98	---	47.15
PZ-4	04/12/12	76.13	---	29.61	---	46.52
PZ-5	05/07/01	73.97	---	23.13	---	50.84
PZ-5	10/06/03	73.97	---	24.58	---	49.39

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
PZ-5	05/02/05	73.97	---	19.12	---	54.85
PZ-5	10/31/05	73.97	---	21.13	---	52.84
PZ-5	02/27/06	73.97	---	22.06	---	51.91
PZ-5	05/01/06	73.97	---	22.20	---	51.77
PZ-5	09/18/06	73.97	---	22.91	---	51.06
PZ-5	12/04/06	73.97	---	23.26	---	50.71
PZ-5	03/12/07	73.97	---	23.71	---	50.26
PZ-5	04/30/07	73.97	---	23.85	---	50.12
PZ-5	08/28/07	73.97	---	23.85	---	50.12
PZ-5	11/12/07	73.97	---	24.26	---	49.71
PZ-5	02/19/08	73.97	---	24.68	---	49.29
PZ-5	04/14/08	73.97	---	24.10	---	49.87
PZ-5	08/11/08	73.97	---	24.53	---	49.44
PZ-5	10/13/08	73.97	---	25.12	---	48.85
PZ-5	04/20/09	73.97	---	24.81	---	49.16
PZ-5	07/20/09	73.97	---	25.20	---	48.77
PZ-5	10/19/09	73.97	---	26.41	---	47.56
PZ-5	03/15/10	73.97	---	25.99	---	47.98
PZ-5	04/16/10	73.97	---	25.12	---	48.85
PZ-5	05/24/10	73.97	---	25.71	---	48.26
PZ-5	05/28/10	73.97	---	25.68	---	48.29
PZ-5	06/22/10	73.97	---	25.54	---	48.43
PZ-5	07/12/10	73.97	---	26.09	---	47.88
PZ-5	08/12/10	73.97	---	26.16	---	47.81
PZ-5	09/20/10	73.97	---	26.52	---	47.45
PZ-5	10/04/10	73.97	---	25.98	---	47.99
PZ-5	11/16/10	73.97	---	26.46	---	47.51
PZ-5	12/22/10	73.97	---	25.12	---	48.85
PZ-5	01/10/11	73.97	---	26.54	---	47.43
PZ-5	02/24/11	73.97	---	25.55	---	48.42
PZ-5	03/23/11	73.97	---	25.28	---	48.69
PZ-5	04/11/11	73.97	---	24.70	---	49.27
PZ-5	05/13/11	73.97	---	25.21	---	48.76
PZ-5	06/22/11	73.97	---	25.37	---	48.60
PZ-5	07/11/11	73.97	---	25.47	---	48.50
PZ-5	08/19/11	73.97	---	25.35	---	48.62
PZ-5	09/22/11	73.97	---	25.96	---	48.01
PZ-5	10/10/11	73.97	---	25.55	---	48.42
PZ-5	11/28/11	73.97	---	26.16	---	47.81
PZ-5	12/21/11	73.97	---	26.48	---	47.49
PZ-5	01/09/12	73.97	---	26.47	---	47.50
PZ-5	02/23/12	73.97	---	27.27	---	46.70
PZ-5	03/28/12	73.97	---	27.10	---	46.87
PZ-5	04/16/12	73.97	---	26.59	---	47.38
PZ-5	05/25/12	73.97	---	26.94	---	47.03
PZ-5	06/15/12	73.97	---	27.44	---	46.53
PZ-5	07/09/12	73.97	---	27.26	---	46.71
PZ-5	08/29/12	73.97	---	27.72	---	46.25

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
PZ-5	09/26/12	73.97	---	28.03	---	45.94
PZ-5	10/15/12	73.97	---	28.25	---	45.72
PZ-5	11/29/12	73.97	---	28.34	---	45.63
PZ-5	12/26/12	73.97	---	28.30	---	45.67
PZ-5	01/14/13	73.97	---	28.42	---	45.55
PZ-5	02/20/13	73.97	---	28.40	---	45.57
PZ-5	04/08/13	73.97	---	28.41	---	45.56
PZ-5	10/07/13	73.97	---	29.31	---	44.66
PZ-5	04/14/14	73.97	---	28.91	---	45.06
PZ-5	10/27/14	73.97	---	29.41	---	44.56
PZ-5	04/20/15	73.97	---	29.66	---	44.31
PZ-5	10/19/15	73.97	---	30.50	---	43.47
PZ-5	04/11/16	73.97	---	31.36	---	42.61
PZ-5	10/03/16	73.97	---	31.00	---	42.97
PZ-5	10/03/16	73.97	---	31.00	---	42.97
PZ-5	04/17/17	73.97	---	30.07	---	43.90
PZ-5	10/02/17	73.97	---	31.45	---	42.52
PZ-5	04/16/18	73.97	---	32.46	---	41.51
PZ-5	11/05/18	73.97	---	33.33	---	40.64
PZ-5	04/16/19	73.97	---	31.12	---	42.85
PZ-5	10/28/19	73.97	---	32.39	---	41.58
PZ-5	05/04/20	73.97	---	31.64	---	42.33
PZ-5	11/02/20	73.97	---	26.72	---	47.25
PZ-5	05/03/21	73.97	---	29.57	---	44.40
PZ-6	07/07/03	73.91	---	25.65	---	48.26
PZ-6	01/20/04	73.91	---	25.94	---	47.97
PZ-6	04/27/04	73.91	---	26.49	---	47.42
PZ-6	06/07/04	73.91	---	26.56	---	47.35
PZ-6	07/08/04	73.91	---	26.57	---	47.34
PZ-6	10/04/10	73.91	---	NM	---	NC
PZ-6	04/11/11	73.91	---	NM	---	NC
PZ-6	10/10/11	73.91	---	NM	---	NC
PZ-6	04/16/12	73.91	---	NM	---	NC
PZ-6	07/09/12	73.91	---	NM	---	NC
PZ-6	10/15/12	73.91	---	NM	---	NC
PZ-6	04/08/13	73.91	---	NM	---	NC
PZ-7A	08/01/05	73.87	---	20.22	---	53.65
PZ-7A	05/24/10	73.87	---	25.30	---	48.57
PZ-7A	05/28/10	73.87	---	25.29	---	48.58
PZ-7A	10/04/10	73.87	---	25.70	---	48.17
PZ-7A	04/11/11	73.87	---	24.48	---	49.39
PZ-7A	10/10/11	73.87	---	25.15	---	48.72
PZ-7A	10/15/12	---	---	27.24	---	NC
PZ-7A	04/20/15	73.87	---	29.52	---	44.35
PZ-7B	08/01/05	73.79	---	20.80	---	52.99
PZ-7B	05/24/10	73.79	---	25.32	---	48.47
PZ-7B	05/28/10	73.79	---	25.30	---	48.49
PZ-7B	10/04/10	73.79	---	25.88	---	47.91

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
PZ-7B	04/11/11	73.79	---	24.57	---	49.22
PZ-7B	10/10/11	73.79	---	25.30	---	48.49
PZ-7B	10/15/12	---	---	27.22	---	NC
PZ-7B	04/20/15	73.79	---	29.60	---	44.19
PZ-8A	08/01/05	75.81	---	22.39	---	53.42
PZ-8A	12/04/06	75.81	---	25.14	---	50.67
PZ-8A	05/24/10	75.81	---	27.60	---	48.21
PZ-8A	05/28/10	75.81	---	27.38	---	48.43
PZ-8A	10/04/10	75.81	---	27.79	---	48.02
PZ-8A	04/11/11	75.81	---	26.50	---	49.31
PZ-8A	10/10/11	75.81	---	27.28	---	48.53
PZ-8A	10/15/12	---	---	30.01	---	NC
PZ-8A	04/20/15	75.81	---	31.29	---	44.52
PZ-8B	08/01/05	75.69	---	23.61	---	52.08
PZ-8B	12/04/06	75.69	---	25.16	---	50.53
PZ-8B	05/24/10	75.69	---	27.37	---	48.32
PZ-8B	05/28/10	75.69	---	27.66	---	48.03
PZ-8B	10/04/10	75.69	---	27.90	---	47.79
PZ-8B	04/11/11	75.69	---	26.52	---	49.17
PZ-8B	10/10/11	75.69	---	27.32	---	48.37
PZ-8B	10/15/12	---	---	30.71	---	NC
PZ-8B	04/20/15	75.69	---	31.69	---	44.00
PZ-9A	08/01/05	76.14	---	22.93	---	53.21
PZ-9A	10/04/10	76.14	---	28.20	---	47.94
PZ-9A	04/11/11	76.14	---	26.94	---	49.20
PZ-9A	10/10/11	76.14	---	27.75	---	48.39
PZ-9A	04/16/12	76.14	---	28.95	---	47.19
PZ-9A	07/09/12	76.14	---	NM	---	NC
PZ-9A	10/15/12	76.14	---	30.18	---	45.96
PZ-9A	04/08/13	76.14	---	30.67	---	45.47
PZ-9A	04/20/15	76.14	---	32.21	---	43.93
PZ-9B	08/01/05	76.26	---	23.71	---	52.55
PZ-9B	10/04/10	76.26	---	28.51	---	47.75
PZ-9B	04/11/11	76.26	---	27.20	---	49.06
PZ-9B	10/10/11	76.26	---	28.00	---	48.26
PZ-9B	04/16/12	76.26	---	29.10	---	47.16
PZ-9B	07/09/12	76.26	---	NM	---	NC
PZ-9B	10/15/12	76.26	---	30.54	---	45.72
PZ-9B	04/08/13	76.26	---	30.89	---	45.37
PZ-9B	04/20/15	76.26	---	32.24	---	44.02
PZ-10	07/30/03	74.19	---	25.74	---	48.45
PZ-10	10/06/03	74.19	---	25.79	---	48.40
PZ-10	01/27/04	74.19	---	26.13	---	48.06
PZ-10	04/19/04	74.34	---	26.76	---	47.58
PZ-10	07/19/04	74.34	---	26.40	---	47.94
PZ-10	11/01/04	74.34	---	27.11	---	47.23
PZ-10	02/01/05	74.34	---	23.33	---	51.01
PZ-10	05/02/05	74.34	---	21.80	---	52.54

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
PZ-10	08/01/05	74.34	---	22.21	---	52.13
PZ-10	10/31/05	74.34	---	27.13	---	47.21
PZ-10	02/27/06	74.34	---	23.18	---	51.16
PZ-10	05/01/06	74.34	---	23.18	---	51.16
PZ-10	09/18/06	74.34	---	24.37	---	49.97
PZ-10	12/04/06	74.34	---	24.10	---	50.24
PZ-10	03/12/07	74.34	---	24.44	---	49.90
PZ-10	04/30/07	73.92	---	23.38	---	50.54
PZ-10	08/28/07	74.34	---	22.67	---	51.67
PZ-10	11/12/07	74.34	---	23.61	---	50.73
PZ-10	02/19/08	74.34	---	25.16	---	49.18
PZ-10	04/14/08	74.34	---	24.75	---	49.59
PZ-10	10/13/08	74.34	---	25.61	---	48.73
PZ-10	04/20/09	74.34	---	25.71	---	48.63
PZ-10	07/20/09	74.34	---	26.60	---	47.74
PZ-10	10/19/09	74.34	---	26.96	---	47.38
PZ-10	05/24/10	74.34	---	26.51	---	47.83
PZ-10	05/28/10	74.34	---	26.46	---	47.88
PZ-10	10/04/10	74.34	---	26.66	---	47.68
PZ-10	04/11/11	74.34	---	25.57	---	48.77
PZ-10	10/10/11	74.34	---	NM	---	NC
PZ-10	04/16/12	74.34	---	28.00	---	46.34
PZ-10	07/09/12	74.34	---	NM	---	NC
PZ-10	10/15/12	74.34	---	29.81	---	44.53
PZ-10	04/08/13	74.34	---	28.94	---	45.40
PZ-10	04/20/15	74.34	---	30.72	---	43.62
PZ-10	10/19/15	74.34	---	31.42	---	42.92
PZ-10	03/14/16	74.34	---	DRY	---	NC
PZ-10	04/11/16	74.34	---	33.37	---	40.97
PZ-10	06/29/16	74.34	---	DRY	---	NC
PZ-10	08/22/16	74.34	---	DRY	---	NC
PZ-10	10/03/16	74.34	---	DRY	---	NC
PZ-10	10/03/16	74.34	---	DRY	---	NC
PZ-10	04/17/17	74.34	---	DRY	---	NC
PZ-10	10/02/17	74.34	---	DRY	---	NC
PZ-10	04/16/18	74.34	---	DRY	---	NC
PZ-10	11/05/18	74.34	---	DRY	---	NC
PZ-10	04/16/19	74.34	---	DRY	---	NC
PZ-10	10/28/19	74.34	---	DRY	---	NC
PZ-10	05/04/20	74.34	---	DRY	---	NC
PZ-10	11/02/20	74.34	---	DRY	---	NC
PZ-10	05/03/21	74.34	---	DRY	---	DRY
RTF-18-E	04/19/17	75.19	31.35	31.53	0.18	43.80
RTF-18-E	09/27/17	75.19	31.84	33.52	1.68	NC
RTF-18-E	04/16/18	75.19	33.66	33.89	0.23	NC
RTF-18-E	11/05/18	75.19	34.00	35.35	1.35	NC
RTF-18-E	04/15/19	75.19	---	32.92	---	42.27
RTF-18-E	10/30/19	74.63	---	34.11	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
RTF-18-E	05/05/20	74.63	32.83	33.03	0.20	42.32
RTF-18-E	11/02/20	74.63	33.54	32.78	-0.76	41.09
RTF-18-E	05/06/21	75.19	32.94	33.70	0.76	42.13
RTF-18-N	04/19/17	75.17	---	31.44	---	43.73
RTF-18-N	09/27/17	75.17	31.49	33.02	1.53	NC
RTF-18-N	04/16/18	75.17	32.45	34.50	2.05	NC
RTF-18-N	11/05/18	75.17	32.90	35.55	2.65	NC
RTF-18-N	04/15/19	75.17	32.46	32.48	0.02	NC
RTF-18-N	10/30/19	75.17	---	32.71	---	NC
RTF-18-N	05/05/20	75.17	---	32.16	---	43.01
RTF-18-N	11/02/20	75.17	---	32.01	---	43.16
RTF-18-N	05/06/21	75.17	---	32.59	---	42.58
RTF-18-NNW	04/19/17	76.77	---	31.72	---	45.05
RTF-18-NNW	09/27/17	76.77	32.48	32.53	0.05	NC
RTF-18-NNW	04/16/18	76.77	33.58	35.31	1.73	NC
RTF-18-NNW	11/05/18	76.77	33.95	36.55	2.60	NC
RTF-18-NNW	04/15/19	76.77	---	33.26	---	43.51
RTF-18-NNW	10/30/19	74.88	---	33.92	---	NC
RTF-18-NNW	05/05/20	74.88	32.84	32.91	0.07	43.92
RTF-18-NNW	11/02/20	74.88	---	33.50	---	41.38
RTF-18-NNW	05/06/21	76.77	---	33.97	---	42.80
RTF-18-NW	04/19/17	76.22	31.04	31.08	0.04	45.18
RTF-18-NW	09/27/17	76.22	31.62	32.89	1.27	NC
RTF-18-NW	04/16/18	76.22	34.68	37.29	2.61	NC
RTF-18-NW	11/05/18	76.22	33.40	35.95	2.55	NC
RTF-18-NW	04/15/19	76.22	32.54	32.87	0.33	NC
RTF-18-NW	10/30/19	74.28	---	33.44	---	NC
RTF-18-NW	05/05/20	74.28	31.58	31.74	0.16	44.61
RTF-18-NW	11/02/20	74.28	---	31.92	---	42.36
RTF-18-NW	05/06/21	76.22	---	32.08	---	44.14
RTF-18-W	04/19/17	74.86	30.98	31.15	0.17	43.85
RTF-18-W	09/27/17	74.86	31.98	33.49	1.51	NC
RTF-18-W	04/16/18	74.86	33.35	35.30	1.95	NC
RTF-18-W	11/05/18	74.86	33.50	36.15	2.65	NC
RTF-18-W	04/15/19	74.86	32.62	32.80	0.18	NC
RTF-18-W	10/30/19	74.37	---	33.35	---	NC
RTF-18-W	05/05/20	74.37	---	31.70	---	43.16
RTF-18-W	11/02/20	74.37	---	31.46	---	42.91
RTF-18-W	05/06/21	74.86	---	31.77	---	43.09
TF-10	11/20/96	74.19	---	28.03	---	46.16
TF-10	07/01/97	74.19	---	30.60	---	43.59
TF-10	12/31/97	74.19	---	27.97	---	46.22
TF-10	05/01/98	74.19	---	25.40	---	48.79
TF-10	05/25/99	74.19	---	26.79	---	47.40
TF-10	05/15/00	74.19	---	26.05	---	48.14
TF-10	05/07/01	74.19	---	NM	---	NC
TF-10	04/08/02	73.61	---	26.16	---	47.45
TF-10	09/19/02	74.19	---	27.28	---	46.91

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-10	10/21/02	73.61	---	26.50	---	47.11
TF-10	04/22/03	73.61	---	25.95	---	47.66
TF-10	10/06/03	73.61	---	25.60	---	48.01
TF-10	04/19/04	73.61	---	26.82	---	46.79
TF-10	11/01/04	73.61	---	27.32	---	46.29
TF-10	02/28/05	73.61	---	23.82	---	49.79
TF-10	05/02/05	73.61	---	22.32	---	51.29
TF-10	03/06/06	73.61	---	22.89	---	50.72
TF-10	05/01/06	73.61	---	23.00	---	50.61
TF-10	08/26/06	73.61	---	24.20	---	49.41
TF-10	12/01/06	73.61	---	24.52	---	49.09
TF-10	03/21/07	73.61	---	24.00	---	49.61
TF-10	04/30/07	73.61	---	24.15	---	49.46
TF-10	08/28/07	74.19	---	24.21	---	49.98
TF-10	11/12/07	73.61	---	25.66	---	47.95
TF-10	02/05/08	74.19	---	25.11	---	49.08
TF-10	04/11/08	73.61	---	25.24	---	48.37
TF-10	07/24/08	73.61	---	24.91	---	48.70
TF-10	10/14/08	73.61	---	25.48	---	48.13
TF-10	02/10/09	74.19	---	25.94	---	48.25
TF-10	07/16/09	73.61	---	27.02	---	46.59
TF-10	04/08/10	73.61	---	25.75	---	47.86
TF-10	10/01/10	73.61	---	26.93	---	46.68
TF-10	01/07/11	73.61	---	26.64	---	46.97
TF-10	04/08/11	73.61	---	24.92	---	48.69
TF-10	07/08/11	73.61	---	25.15	---	48.46
TF-10	10/06/11	73.61	---	25.54	---	48.07
TF-10	04/12/12	73.61	---	26.72	---	46.89
TF-10	01/11/13	73.61	---	28.42	---	45.19
TF-10	04/03/13	73.61	---	28.19	---	45.42
TF-11	11/20/96	74.95	---	32.55	---	42.40
TF-11	07/01/97	74.95	32.60	32.75	0.15	42.32
TF-11	12/31/97	74.95	---	28.52	---	46.43
TF-11	05/01/98	74.95	---	25.99	---	48.96
TF-11	05/25/99	74.95	26.60	26.62	0.02	48.35
TF-11	05/15/00	74.95	---	26.63	---	48.32
TF-11	05/07/01	74.95	---	28.50	---	46.45
TF-11	04/08/02	74.40	---	25.64	---	48.76
TF-11	09/19/02	74.95	28.15	28.33	0.18	46.76
TF-11	10/21/02	74.95	---	27.02	---	47.93
TF-11	04/22/03	74.40	---	31.15	---	43.25
TF-11	10/06/03	74.40	---	27.12	---	47.28
TF-11	04/19/04	74.95	---	28.56	---	46.39
TF-11	11/01/04	74.95	---	27.86	---	47.09
TF-11	02/28/05	74.95	---	23.82	---	51.13
TF-11	05/02/05	74.95	---	22.90	---	52.05
TF-11	03/06/06	74.95	---	24.31	---	50.64
TF-11	05/01/06	74.95	---	24.35	---	50.60

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-11	08/26/06	74.95	---	24.79	---	50.16
TF-11	12/01/06	74.95	---	25.17	---	49.78
TF-11	03/21/07	74.95	---	25.26	---	49.69
TF-11	04/30/07	74.40	---	25.62	---	48.78
TF-11	08/28/07	74.95	---	26.06	---	48.89
TF-11	11/12/07	74.95	---	26.26	---	48.69
TF-11	02/05/08	74.95	---	27.15	---	47.80
TF-11	04/11/08	74.40	---	25.87	---	48.53
TF-11	07/24/08	74.40	---	26.05	---	48.35
TF-11	10/14/08	74.40	---	26.85	---	47.55
TF-11	02/10/09	74.95	---	26.90	---	48.05
TF-11	07/16/09	74.95	---	27.70	---	47.25
TF-11	04/08/10	74.95	---	27.11	---	47.84
TF-11	10/01/10	74.40	---	27.62	---	46.78
TF-11	01/08/11	74.40	---	27.17	---	47.23
TF-11	04/08/11	74.40	---	24.98	---	49.42
TF-11	07/08/11	74.40	---	25.40	---	49.00
TF-11	10/06/11	74.40	---	26.07	---	48.33
TF-11	04/12/12	74.40	---	27.51	---	46.89
TF-11	01/11/13	74.40	---	29.45	---	44.95
TF-11	04/03/13	74.40	---	29.35	---	45.05
TF-13	11/20/96	75.90	---	30.90	---	45.00
TF-13	07/01/97	75.90	30.90	30.95	0.05	44.99
TF-13	12/31/97	75.90	28.05	30.97	2.92	47.27
TF-13	05/01/98	75.90	30.65	31.10	0.45	45.16
TF-13	05/25/99	75.90	27.12	27.40	0.28	48.72
TF-13	05/15/00	75.90	31.25	31.65	0.40	44.57
TF-13	05/07/01	75.90	---	31.20	---	44.70
TF-13	04/08/02	75.47	---	28.10	---	47.37
TF-13	09/19/02	75.90	---	28.76	---	47.14
TF-13	10/21/02	75.90	---	31.10	---	44.80
TF-13	04/22/03	75.47	---	31.05	---	44.42
TF-13	10/06/03	75.47	---	27.65	---	47.82
TF-13	04/19/04	75.90	---	29.03	---	46.87
TF-13	11/01/04	75.90	---	28.05	---	47.85
TF-13	02/28/05	75.90	---	24.22	---	51.68
TF-13	05/02/05	75.90	---	22.24	---	53.66
TF-13	03/06/06	75.90	---	25.37	---	50.53
TF-13	05/01/06	75.90	---	25.22	---	50.68
TF-13	08/26/06	75.90	---	25.63	---	50.27
TF-13	12/01/06	75.90	---	25.96	---	49.94
TF-13	03/21/07	75.90	---	26.52	---	49.38
TF-13	04/30/07	75.90	---	26.52	---	49.38
TF-13	08/28/07	75.90	---	26.69	---	49.21
TF-13	11/12/07	75.47	---	27.11	---	48.36
TF-13	02/05/08	75.90	---	27.32	---	48.58
TF-13	04/14/08	75.90	---	26.73	---	49.17
TF-13	07/24/08	75.47	---	27.02	---	48.45

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-13	10/14/08	75.90	---	27.81	---	48.09
TF-13	02/10/09	75.90	---	26.14	---	49.76
TF-13	07/17/09	75.90	---	27.81	---	48.09
TF-13	04/08/10	75.90	---	28.14	---	47.76
TF-13	10/01/10	75.47	---	28.63	---	46.84
TF-13	01/08/11	75.47	---	28.21	---	47.26
TF-13	04/07/11	75.47	---	26.85	---	48.62
TF-13	07/08/11	75.47	---	27.13	---	48.34
TF-13	10/07/11	75.47	---	27.63	---	47.84
TF-13	04/12/12	75.47	---	NM	---	NC
TF-13	01/10/13	75.47	---	30.15	---	45.32
TF-13	04/03/13	75.47	---	30.00	---	45.47
TF-14	11/20/96	74.78	30.45	31.11	0.66	44.20
TF-14	07/01/97	74.78	30.60	31.10	0.50	44.08
TF-14	12/31/97	74.78	27.03	31.85	4.82	46.79
TF-14	05/01/98	74.78	29.95	30.75	0.80	44.67
TF-14	05/25/99	74.78	25.60	28.86	3.26	48.53
TF-14	05/15/00	74.78	26.65	27.95	1.30	47.87
TF-14	05/07/01	74.78	---	26.30	---	48.48
TF-14	04/08/02	74.35	28.40	28.48	0.08	45.93
TF-14	09/19/02	74.78	---	27.68	---	47.10
TF-14	10/21/02	74.78	---	28.42	---	46.36
TF-14	04/22/03	74.35	---	26.61	---	47.74
TF-14	10/06/03	74.35	---	26.52	---	47.83
TF-14	04/19/04	74.35	---	27.94	---	46.41
TF-14	11/01/04	74.35	---	27.24	---	47.11
TF-14	02/28/05	74.35	---	23.62	---	50.73
TF-14	05/02/05	74.35	---	22.51	---	51.84
TF-14	03/06/06	74.78	---	24.06	---	50.72
TF-14	05/01/06	74.78	---	24.13	---	50.65
TF-14	08/26/06	74.78	---	24.54	---	50.24
TF-14	12/01/06	74.78	---	24.82	---	49.96
TF-14	03/21/07	74.78	---	25.24	---	49.54
TF-14	04/30/07	74.78	---	25.37	---	49.41
TF-14	08/28/07	74.78	---	25.89	---	48.89
TF-14	11/12/07	74.35	---	25.91	---	48.44
TF-14	02/05/08	74.78	---	26.95	---	47.83
TF-14	04/14/08	74.78	---	26.55	---	48.23
TF-14	07/24/08	74.35	---	26.05	---	48.30
TF-14	10/14/08	74.78	---	26.63	---	48.15
TF-14	02/10/09	74.78	---	26.91	---	47.87
TF-14	07/17/09	74.78	---	26.91	---	47.87
TF-14	04/08/10	74.78	---	26.92	---	47.86
TF-14	10/01/10	74.35	---	27.42	---	46.93
TF-14	04/08/11	74.35	---	25.65	---	48.70
TF-14	07/08/11	74.35	---	25.93	---	48.42
TF-14	10/06/11	74.35	---	26.41	---	47.94
TF-14	04/12/12	74.35	---	27.49	---	46.86

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-14	01/10/13	74.35	---	29.25	---	45.10
TF-14	04/03/13	74.35	---	28.76	---	45.59
TF-15	11/20/96	75.40	31.09	31.42	0.33	44.24
TF-15	07/01/97	75.40	31.40	31.65	0.25	43.95
TF-15	12/31/97	75.40	27.79	31.56	3.77	46.86
TF-15	05/01/98	75.40	28.35	30.05	1.70	46.71
TF-15	05/25/99	75.40	26.41	26.94	0.53	48.88
TF-15	05/15/00	75.40	28.90	29.54	0.64	46.37
TF-15	05/07/01	75.40	28.90	29.30	0.40	46.42
TF-15	04/08/02	74.78	---	27.56	---	47.22
TF-15	09/19/02	75.40	---	28.21	---	47.19
TF-15	10/21/02	75.40	29.00	29.24	0.24	46.35
TF-15	04/22/03	74.78	---	27.45	---	47.33
TF-15	10/06/03	74.78	---	27.03	---	47.75
TF-15	04/19/04	74.78	---	28.17	---	46.61
TF-15	11/01/04	74.78	27.77	27.79	0.02	47.01
TF-15	02/28/05	74.78	---	23.05	---	51.73
TF-15	05/02/05	74.78	---	21.67	---	53.11
TF-15	03/06/06	75.40	---	23.91	---	51.49
TF-15	05/01/06	75.40	---	23.90	---	51.50
TF-15	08/26/06	75.40	---	24.49	---	50.91
TF-15	12/01/06	75.40	---	25.31	---	50.09
TF-15	03/21/07	75.40	---	25.18	---	50.22
TF-15	04/30/07	75.40	---	25.88	---	49.52
TF-15	08/28/07	75.40	---	25.62	---	49.78
TF-15	11/12/07	74.78	---	26.39	---	48.39
TF-15	02/05/08	75.40	---	26.42	---	48.98
TF-15	04/14/08	75.40	---	25.72	---	49.68
TF-15	07/24/08	74.78	---	26.72	---	48.06
TF-15	10/14/08	75.40	---	27.29	---	48.11
TF-15	02/10/09	75.40	---	27.78	---	47.62
TF-15	07/17/09	75.40	---	26.82	---	48.58
TF-15	04/08/10	75.40	---	27.43	---	47.97
TF-15	10/01/10	74.78	---	28.03	---	46.75
TF-15	01/08/11	74.78	---	27.55	---	47.23
TF-15	04/08/11	74.78	---	25.96	---	48.82
TF-15	07/08/11	74.78	---	26.33	---	48.45
TF-15	10/06/11	74.78	---	26.81	---	47.97
TF-15	04/12/12	74.78	---	27.94	---	46.84
TF-15	01/11/13	74.78	29.50	29.63	0.13	45.25
TF-15	04/03/13	74.78	---	29.22	---	45.56
TF-15	10/02/13	74.78	29.97	30.04	0.07	44.80
TF-15	04/09/14	74.78	30.22	32.25	2.03	44.15
TF-15	04/16/14	74.78	30.18	32.06	1.88	44.22
TF-15	10/27/14	74.78	30.31	30.86	0.55	44.36
TF-15	04/20/15	74.78	30.68	33.50	2.82	43.54
TF-15	04/11/16	74.78	---	NM	---	NC
TF-15	10/03/16	74.78	---	NM	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-15	04/20/17	74.78	---	31.88	---	42.90
TF-15	04/16/18	74.78	34.18	36.68	2.50	NC
TF-15	11/05/18	74.78	35.15	35.85	0.70	NC
TF-15	04/15/19	74.78	33.28	33.65	0.37	NC
TF-15	10/30/19	74.78	---	36.28	---	NC
TF-15	05/05/20	74.78	---	34.15	---	40.63
TF-15	11/02/20	75.40	---	34.29	---	40.49
TF-15	05/04/21	74.78	---	34.45	---	40.33
TF-16	11/20/96	76.48	32.52	32.75	0.23	43.91
TF-16	07/01/97	76.48	32.50	33.10	0.60	43.86
TF-16	12/31/97	76.48	28.69	32.79	4.10	46.97
TF-16	05/01/98	76.48	32.07	32.61	0.54	44.30
TF-16	05/25/99	76.48	27.82	27.90	0.08	48.64
TF-16	05/15/00	76.48	32.03	32.48	0.45	44.36
TF-16	05/07/01	76.48	31.96	32.20	0.24	44.47
TF-16	04/08/02	75.89	31.40	31.49	0.09	44.47
TF-16	09/19/02	76.48	---	29.36	---	47.12
TF-16	10/21/02	76.48	---	32.21	---	44.27
TF-16	04/22/03	75.89	---	28.22	---	47.67
TF-16	10/06/03	75.89	---	28.10	---	47.79
TF-16	04/19/04	76.48	---	29.16	---	47.32
TF-16	11/01/04	76.48	---	28.95	---	47.53
TF-16	02/28/05	76.48	---	25.20	---	51.28
TF-16	05/02/05	76.48	---	23.70	---	52.78
TF-16	03/06/06	76.48	---	25.54	---	50.94
TF-16	05/01/06	76.48	---	25.66	---	50.82
TF-16	08/26/06	76.48	---	26.06	---	50.42
TF-16	12/01/06	76.48	---	26.45	---	50.03
TF-16	03/21/07	76.48	---	26.52	---	49.96
TF-16	04/30/07	76.48	---	27.04	---	49.44
TF-16	08/28/07	76.48	---	27.11	---	49.37
TF-16	11/12/07	75.89	---	27.60	---	48.29
TF-16	02/05/08	76.48	---	27.94	---	48.54
TF-16	04/14/08	76.48	---	27.17	---	49.31
TF-16	07/24/08	75.89	---	27.50	---	48.39
TF-16	10/14/08	76.48	---	28.37	---	48.11
TF-16	02/10/09	76.48	---	27.73	---	48.75
TF-16	04/20/09	75.89	---	27.63	---	48.26
TF-16	07/17/09	76.48	---	28.35	---	48.13
TF-16	10/19/09	75.89	---	29.66	---	46.23
TF-16	04/08/10	76.48	---	27.06	---	49.42
TF-16	04/12/10	75.89	---	27.36	---	48.53
TF-16	10/01/10	75.89	---	28.59	---	47.30
TF-16	01/08/11	75.89	---	28.72	---	47.17
TF-16	04/07/11	75.89	---	27.18	---	48.71
TF-16	07/08/11	75.89	---	27.51	---	48.38
TF-16	10/07/11	75.89	---	28.10	---	47.79
TF-16	04/12/12	75.89	---	29.05	---	46.84

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-16	04/19/12	75.89	---	29.08	---	46.81
TF-16	01/11/13	75.89	---	30.63	---	45.26
TF-16	04/03/13	75.89	---	30.47	---	45.42
TF-16	04/08/13	75.89	---	30.25	---	45.64
TF-16	10/02/13	75.89	---	31.16	---	44.73
TF-16	04/09/14	75.89	---	31.68	---	44.21
TF-16	04/16/14	75.89	---	32.42	---	43.47
TF-16	10/27/14	75.89	31.58	32.92	1.34	44.04
TF-16	04/20/15	75.89	31.87	34.70	2.83	43.45
TF-16	04/11/16	75.89	33.41	36.15	2.74	41.93
TF-16	10/03/16	75.89	33.73	37.12	3.39	NC
TF-16	04/19/17	75.89	33.26	33.53	0.27	42.58
TF-16	09/27/17	75.89	33.84	35.17	1.33	NC
TF-16	04/16/18	75.89	34.82	35.14	0.32	NC
TF-16	11/05/18	75.89	34.80	37.70	2.90	NC
TF-16	04/15/19	75.89	34.15	35.02	0.87	NC
TF-16	10/30/19	75.89	---	35.73	---	NC
TF-16	05/05/20	75.89	---	34.54	---	41.35
TF-16	11/02/20	76.48	---	34.88	---	41.01
TF-16	05/04/21	75.89	---	35.35	---	40.54
TF-17	11/20/96	75.26	30.00	30.53	0.53	45.15
TF-17	07/01/97	75.26	30.10	30.20	0.10	45.14
TF-17	12/31/97	75.26	---	27.50	---	47.76
TF-17	05/01/98	75.26	24.86	25.18	0.32	50.34
TF-17	05/25/99	75.26	25.40	28.24	2.84	49.29
TF-17	05/15/00	75.26	28.84	29.32	0.48	46.32
TF-17	05/07/01	75.26	---	26.20	---	49.06
TF-17	04/08/02	74.88	27.01	27.04	0.03	47.86
TF-17	09/19/02	75.26	---	28.68	---	46.58
TF-17	10/21/02	75.26	---	27.40	---	47.86
TF-17	04/22/03	74.88	27.85	27.99	0.14	47.00
TF-17	10/06/03	74.88	---	26.63	---	48.25
TF-17	04/19/04	75.26	27.32	28.83	1.51	47.64
TF-17	11/01/04	75.26	27.80	28.30	0.50	47.36
TF-17	02/28/05	75.26	22.62	23.33	0.71	52.50
TF-17	05/02/05	75.26	21.57	22.25	0.68	53.55
TF-17	03/06/06	75.26	23.42	23.98	0.56	51.73
TF-17	05/01/06	75.26	23.39	26.35	2.96	51.28
TF-17	08/26/06	75.26	24.08	26.52	2.44	50.69
TF-17	12/01/06	74.88	24.77	26.62	1.85	49.74
TF-17	03/21/07	75.26	24.67	25.02	0.35	50.52
TF-17	04/30/07	75.26	25.00	26.16	1.16	50.03
TF-17	11/09/07	74.88	25.35	26.01	0.66	49.40
TF-17	02/05/08	75.26	25.98	28.18	2.20	48.84
TF-17	07/24/08	75.26	26.15	27.29	1.14	48.88
TF-17	10/13/08	75.26	26.67	27.95	1.28	48.33
TF-17	02/10/09	75.26	26.05	27.66	1.61	48.89
TF-17	07/17/09	74.88	26.90	27.64	0.74	47.83

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-17	04/08/10	74.88	26.76	26.78	0.02	48.12
TF-17	10/01/10	74.88	27.72	28.14	0.42	47.08
TF-17	04/08/11	74.88	---	25.74	---	49.14
TF-17	07/08/11	74.88	---	26.40	---	48.48
TF-17	10/06/11	74.88	---	27.07	---	47.81
TF-17	04/12/12	74.88	---	27.96	---	46.92
TF-17	01/11/13	74.88	---	29.55	---	45.33
TF-17	04/03/13	74.88	---	29.71	---	45.17
TF-17	10/02/13	74.88	---	30.42	---	44.46
TF-17	04/09/14	74.88	---	30.97	---	43.91
TF-17	04/16/14	74.88	---	30.59	---	44.29
TF-17	10/27/14	74.88	---	31.16	---	43.72
TF-17	11/02/20	75.26	---	36.21	---	41.42
TF-17R	04/16/18	77.63	36.22	37.29	1.07	NC
TF-17R	05/05/20	77.63	---	35.85	---	41.78
TF-17R	05/04/21	77.63	---	36.59	---	41.04
TF-17R/EP-72	11/05/18	77.63	36.78	39.04	2.26	NC
TF-17R/EP-72	04/15/19	77.63	35.80	36.64	0.84	NC
TF-17R/EP-72	10/30/19	77.63	---	36.56	---	NC
TF-18	05/25/99	73.94	24.22	25.83	1.61	49.40
TF-18	05/15/00	73.94	25.13	26.22	1.09	48.59
TF-18	05/07/01	73.94	---	25.30	---	48.64
TF-18	04/08/02	73.94	27.10	27.42	0.32	46.78
TF-18	09/19/02	73.94	25.80	26.89	1.09	47.92
TF-18	10/21/02	73.94	27.92	27.94	0.02	46.02
TF-18	04/22/03	73.94	---	28.11	---	45.83
TF-18	10/06/03	73.94	25.09	25.28	0.19	48.81
TF-18	04/19/04	73.94	---	26.00	---	47.94
TF-18	11/01/04	73.94	26.25	27.76	1.51	47.39
TF-18	02/28/05	73.94	---	22.27	---	51.67
TF-18	05/02/05	73.94	20.45	20.67	0.22	53.45
TF-18	03/06/06	73.94	22.62	22.67	0.05	51.31
TF-18	05/01/06	73.94	22.57	22.59	0.02	51.37
TF-18	08/26/06	73.94	23.14	23.29	0.15	50.77
TF-18	12/01/06	73.94	---	23.97	---	49.97
TF-18	03/21/07	73.94	23.91	24.02	0.11	50.01
TF-18	04/30/07	73.94	24.30	24.35	0.05	49.63
TF-18	11/09/07	73.94	---	24.85	---	49.09
TF-18	02/05/08	73.94	---	25.49	---	48.45
TF-18	07/24/08	73.94	---	24.97	---	48.97
TF-18	10/14/08	73.94	---	25.62	---	48.32
TF-18	02/10/09	73.94	---	25.88	---	48.06
TF-18	07/16/09	73.94	---	26.42	---	47.52
TF-18	04/08/10	73.94	25.70	25.73	0.03	48.23
TF-18	10/01/10	73.94	---	26.35	---	47.59
TF-18	01/08/11	73.94	26.65	26.86	0.21	47.25
TF-18	04/07/11	73.94	24.95	25.11	0.16	48.96
TF-18	07/08/11	73.94	25.30	25.40	0.10	48.62

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-18	10/06/11	73.94	25.95	25.97	0.02	47.99
TF-18	04/12/12	73.94	---	27.30	---	46.64
TF-18	01/10/13	73.94	27.85	30.25	2.40	45.61
TF-18	04/03/13	73.94	28.04	28.80	0.76	45.75
TF-18	10/02/13	73.94	28.68	29.47	0.79	45.10
TF-18	04/09/14	73.94	29.37	30.90	1.53	44.26
TF-18	04/16/14	73.94	29.38	31.15	1.77	44.21
TF-18	10/27/14	73.94	29.48	30.91	1.43	44.17
TF-18	04/20/15	73.94	29.36	30.11	0.75	44.43
TF-18	04/11/16	73.94	31.12	34.08	2.96	42.23
TF-18	10/03/16	73.94	31.61	34.35	2.74	NC
TF-18	04/20/17	73.94	---	30.92	---	43.02
TF-18	09/27/17	73.74	31.42	33.12	1.70	NC
TF-18	04/16/18	73.74	32.67	35.60	2.93	NC
TF-18	11/05/18	73.94	33.30	35.98	2.68	NC
TF-18	04/15/19	73.94	32.45	32.46	0.01	NC
TF-18	10/30/19	74.16	---	33.09	---	41.07
TF-18	05/05/20	74.16	---	31.35	---	42.59
TF-18	11/02/20	73.94	---	31.37	---	42.79
TF-18	05/04/21	73.74	---	32.82	---	41.12
TF-19	11/20/96	75.61	---	29.06	---	46.55
TF-19	07/01/97	75.61	29.20	29.30	0.10	46.39
TF-19	12/31/97	75.61	---	28.27	---	47.34
TF-19	05/01/98	75.61	---	25.70	---	49.91
TF-19	05/25/99	75.61	---	26.42	---	49.19
TF-19	05/15/00	75.61	32.33	32.90	0.57	43.17
TF-19	05/07/01	75.61	---	28.61	---	47.00
TF-19	04/08/02	75.07	---	26.40	---	48.67
TF-19	09/19/02	75.61	---	27.90	---	47.71
TF-19	10/21/02	75.61	---	27.08	---	48.53
TF-19	04/22/03	75.07	---	27.09	---	47.98
TF-19	10/06/03	75.07	---	26.87	---	48.20
TF-19	04/19/04	75.07	---	26.90	---	48.17
TF-19	11/01/04	75.61	---	28.20	---	47.41
TF-19	02/28/05	75.61	---	23.79	---	51.82
TF-19	05/02/05	75.61	---	22.25	---	53.36
TF-19	03/06/06	75.61	---	24.62	---	50.99
TF-19	05/01/06	75.61	---	24.60	---	51.01
TF-19	08/26/06	75.61	---	25.11	---	50.50
TF-19	12/01/06	75.61	---	25.60	---	50.01
TF-19	03/21/07	75.61	---	25.96	---	49.65
TF-19	04/30/07	75.61	---	26.07	---	49.54
TF-19	08/28/07	75.61	---	26.21	---	49.40
TF-19	11/12/07	75.61	---	26.66	---	48.95
TF-19	02/05/08	75.61	---	27.15	---	48.46
TF-19	04/14/08	75.61	---	26.12	---	49.49
TF-19	07/24/08	75.61	---	26.95	---	48.66
TF-19	10/14/08	75.61	---	27.40	---	48.21

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-19	02/10/09	75.61	---	27.70	---	47.91
TF-19	07/16/09	75.61	---	27.69	---	47.92
TF-19	04/08/10	75.61	---	27.48	---	48.13
TF-19	10/01/10	75.07	---	28.11	---	46.96
TF-19	01/08/11	75.07	---	27.66	---	47.41
TF-19	04/07/11	75.07	---	25.96	---	49.11
TF-19	07/08/11	75.07	---	26.37	---	48.70
TF-19	10/06/11	75.07	---	27.00	---	48.07
TF-19	04/12/12	75.07	---	28.08	---	46.99
TF-19	01/10/13	75.07	---	29.38	---	45.69
TF-19	04/03/13	75.07	---	29.45	---	45.62
TF-19	10/02/13	75.07	---	30.14	---	44.93
TF-19	04/09/14	75.07	---	30.68	---	44.39
TF-19	04/16/14	75.07	30.75	30.76	0.01	44.32
TF-19	10/27/14	75.07	30.72	31.46	0.74	44.20
TF-19	04/20/15	75.07	30.77	33.03	2.26	43.85
TF-19	04/11/16	75.07	---	33.03	---	42.04
TF-19	10/03/16	75.07	---	32.92	---	42.15
TF-19	04/20/17	75.07	---	31.60	---	43.47
TF-19	10/03/17	75.07	---	32.73	---	42.34
TF-19	04/16/18	75.07	---	33.67	---	41.40
TF-19	11/05/18	75.07	---	34.28	---	40.79
TF-19	05/10/19	75.07	---	32.36	---	42.71
TF-19	10/29/19	75.07	---	33.14	---	41.93
TF-19	05/05/20	75.07	---	32.58	---	42.49
TF-19	10/19/20	75.61	---	32.63	---	42.44
TF-19	11/02/20	75.61	---	32.63	---	42.44
TF-19	05/04/21	75.07	---	33.33	---	41.74
TF-20	11/20/96	75.59	---	29.02	---	46.57
TF-20	07/01/97	75.59	---	29.40	---	46.19
TF-20	12/31/97	75.59	---	28.49	---	47.10
TF-20	05/01/98	75.59	---	25.93	---	49.66
TF-20	05/25/99	75.59	---	26.74	---	48.85
TF-20	05/15/00	75.59	---	31.44	---	44.15
TF-20	05/07/01	75.59	---	27.96	---	47.63
TF-20	04/08/02	75.08	---	31.40	---	43.68
TF-20	09/19/02	75.59	---	28.52	---	47.07
TF-20	10/21/02	75.59	---	31.29	---	44.30
TF-20	04/22/03	75.08	---	31.28	---	43.80
TF-20	10/06/03	75.08	---	27.60	---	47.48
TF-20	04/19/04	75.08	---	27.78	---	47.30
TF-20	11/01/04	75.59	---	28.88	---	46.71
TF-20	02/28/05	75.59	---	24.92	---	50.67
TF-20	05/02/05	75.59	---	22.54	---	53.05
TF-20	03/06/06	75.59	24.34	24.48	0.14	51.22
TF-20	05/01/06	75.59	24.67	27.70	3.03	50.31
TF-20	08/26/06	75.59	25.05	28.68	3.63	49.81
TF-20	12/01/06	75.59	25.48	29.67	4.19	49.27

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-20	03/21/07	75.59	25.42	25.49	0.07	50.16
TF-20	04/30/07	75.59	---	25.84	---	49.75
TF-20	11/09/07	75.59	26.45	29.02	2.57	48.63
TF-20	02/05/08	75.08	27.47	28.65	1.18	47.37
TF-20	07/24/08	75.08	---	27.51	---	47.57
TF-20	10/13/08	75.08	---	28.28	---	46.80
TF-20	02/10/09	75.08	27.24	27.85	0.61	47.72
TF-20	07/17/09	75.08	---	28.02	---	47.06
TF-20	04/08/10	75.08	---	27.59	---	47.49
TF-20	10/01/10	75.08	---	28.47	---	46.61
TF-20	01/08/11	75.08	---	28.73	---	46.35
TF-20	04/08/11	75.08	---	26.90	---	48.18
TF-20	07/08/11	75.08	---	27.45	---	47.63
TF-20	10/06/11	75.08	---	28.05	---	47.03
TF-20	04/12/12	75.08	---	28.88	---	46.20
TF-20	01/11/13	75.08	30.38	30.43	0.05	44.69
TF-20	04/03/13	75.08	30.30	30.32	0.02	44.78
TF-20	10/02/13	75.08	30.93	30.95	0.02	44.15
TF-20	04/09/14	75.08	---	31.47	---	43.61
TF-20	04/16/14	75.08	31.32	31.35	0.03	43.75
TF-20	10/27/14	75.08	31.76	31.79	0.03	43.31
TF-20	11/02/20	75.59	---	33.87	---	41.39
TF-20R	10/03/17	75.26	---	33.41	---	41.85
TF-20R	04/16/18	75.26	---	34.25	---	41.01
TF-20R	11/05/18	75.26	---	34.95	---	40.31
TF-20R	04/22/19	75.26	---	33.05	---	42.21
TF-20R	10/29/19	75.26	---	34.00	---	41.26
TF-20R	05/05/20	75.26	---	33.97	---	41.29
TF-20R	05/04/21	75.26	---	34.87	---	40.39
TF-21	11/20/96	75.60	29.83	29.91	0.08	45.75
TF-21	07/01/97	75.60	30.80	31.10	0.30	44.74
TF-21	12/31/97	75.60	---	28.35	---	47.25
TF-21	05/01/98	75.60	---	25.56	---	50.04
TF-21	05/01/98	75.60	---	NM	0.05	NC
TF-21	05/25/99	75.60	26.49	26.58	0.09	49.09
TF-21	05/15/00	75.60	28.68	29.04	0.36	46.85
TF-21	05/07/01	75.60	---	29.81	---	45.79
TF-21	04/08/02	74.96	---	28.50	---	46.46
TF-21	09/19/02	75.60	---	28.63	---	46.97
TF-21	10/21/02	75.60	---	30.16	---	45.44
TF-21	04/22/03	74.96	---	27.62	---	47.34
TF-21	10/06/03	74.96	---	26.55	---	48.41
TF-21	04/19/04	74.96	---	27.28	---	47.68
TF-21	11/01/04	75.60	---	27.88	---	47.72
TF-21	02/28/05	75.60	---	23.76	---	51.84
TF-21	05/02/05	75.60	---	22.00	---	53.60
TF-21	03/06/06	75.60	---	24.06	---	51.54
TF-21	05/01/06	75.60	---	24.09	---	51.51

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-21	08/26/06	75.60	---	24.76	---	50.84
TF-21	12/01/06	75.60	---	25.22	---	50.38
TF-21	03/21/07	75.60	---	25.51	---	50.09
TF-21	04/30/07	75.60	---	25.72	---	49.88
TF-21	08/28/07	75.60	---	26.17	---	49.43
TF-21	11/12/07	74.76	---	26.35	---	48.41
TF-21	02/05/08	75.60	---	27.25	---	48.35
TF-21	04/14/08	75.60	---	25.93	---	49.67
TF-21	07/24/08	74.96	---	26.51	---	48.45
TF-21	10/13/08	74.96	---	27.10	---	47.86
TF-21	02/10/09	75.60	---	26.72	---	48.88
TF-21	04/20/09	74.96	---	21.85	---	53.11
TF-21	07/17/09	75.60	---	27.31	---	48.29
TF-21	10/19/09	74.96	---	29.84	---	45.12
TF-21	04/08/10	75.60	---	27.30	---	48.30
TF-21	04/12/10	74.96	---	27.00	---	47.96
TF-21	10/01/10	74.96	---	NM	---	NC
TF-21	01/08/11	74.96	---	27.89	---	47.07
TF-21	04/08/11	74.96	---	26.09	---	48.87
TF-21	07/08/11	74.96	---	26.59	---	48.37
TF-21	10/06/11	74.96	---	27.23	---	47.73
TF-21	04/12/12	74.96	---	28.16	---	46.80
TF-21	04/20/12	74.96	---	28.14	---	46.82
TF-21	01/11/13	74.96	---	29.63	---	45.33
TF-21	04/03/13	74.96	---	29.43	---	45.53
TF-21	04/08/13	74.96	---	29.90	---	45.06
TF-21	10/02/13	74.96	---	30.15	---	44.81
TF-21	04/09/14	74.96	---	30.68	---	44.28
TF-21	04/16/14	74.96	---	30.66	---	44.30
TF-21	10/27/14	74.96	---	30.92	---	44.04
TF-21	04/20/15	74.96	---	31.26	---	43.70
TF-21	04/11/16	74.96	---	NM	---	NC
TF-21	10/03/16	---	---	36.31	---	NC
TF-21	04/19/17	74.96	---	35.32	---	39.64
TF-21	10/03/17	77.91	---	36.13	---	41.78
TF-21	04/16/18	77.91	---	36.98	---	40.93
TF-21	11/05/18	77.91	---	37.23	---	40.68
TF-21	04/22/19	77.91	---	35.42	---	42.49
TF-21	10/28/19	77.91	---	36.46	---	41.45
TF-21	05/05/20	77.91	---	37.23	---	40.68
TF-21	11/02/20	75.60	---	36.45	---	41.46
TF-21	05/03/21	77.91	---	38.11	---	39.80
TF-22	11/20/96	74.95	30.56	31.98	1.42	44.11
TF-22	07/01/97	74.95	30.70	31.00	0.30	44.19
TF-22	12/31/97	74.95	28.01	28.90	0.89	46.76
TF-22	05/01/98	74.95	23.57	25.24	1.67	51.05
TF-22	05/25/99	74.95	26.02	26.44	0.42	48.85
TF-22	05/15/00	74.95	32.65	32.96	0.31	42.24

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-22	05/07/01	74.95	32.70	33.01	0.31	42.19
TF-22	04/08/02	74.76	32.80	32.98	0.18	41.92
TF-22	09/19/02	74.95	---	27.63	---	47.32
TF-22	10/21/02	74.95	31.42	32.60	0.02	42.37
TF-22	04/22/03	74.76	---	27.60	---	47.16
TF-22	10/06/03	74.76	---	26.37	---	48.39
TF-22	04/19/04	74.95	27.30	27.32	0.02	47.65
TF-22	11/01/04	74.95	---	27.52	---	47.43
TF-22	02/28/05	74.95	---	23.49	---	51.46
TF-22	05/02/05	74.95	---	21.88	---	53.07
TF-22	03/06/06	74.95	---	23.98	---	50.97
TF-22	05/01/06	74.95	---	23.99	---	50.96
TF-22	08/26/06	74.95	---	24.42	---	50.53
TF-22	12/01/06	74.95	---	24.97	---	49.98
TF-22	03/21/07	74.95	---	25.24	---	49.71
TF-22	04/30/07	74.95	25.50	25.51	0.01	49.45
TF-22	08/28/07	74.95	---	26.07	---	48.88
TF-22	11/12/07	74.95	---	26.03	---	48.92
TF-22	02/05/08	74.95	---	26.87	---	48.08
TF-22	04/14/08	74.95	---	25.59	---	49.36
TF-22	07/24/08	74.95	---	26.40	---	48.55
TF-22	10/13/08	74.95	---	27.06	---	47.89
TF-22	02/10/09	74.95	---	26.32	---	48.63
TF-22	07/17/09	74.95	---	27.61	---	47.34
TF-22	04/08/10	74.95	---	28.24	---	46.71
TF-22	10/01/10	74.76	---	27.58	---	47.18
TF-22	04/08/11	74.76	---	25.92	---	48.84
TF-22	07/08/11	74.76	---	26.30	---	48.46
TF-22	10/06/11	74.76	---	26.95	---	47.81
TF-22	04/12/12	74.76	---	27.90	---	46.86
TF-22	01/11/13	74.76	---	29.35	---	45.41
TF-22	04/03/13	74.76	---	29.15	---	45.61
TF-23	05/25/99	75.31	---	26.12	---	49.19
TF-23	05/15/00	75.31	27.35	27.38	0.03	47.95
TF-23	05/07/01	75.31	---	27.30	---	48.01
TF-23	04/08/02	75.31	---	28.74	---	46.57
TF-23	09/19/02	75.31	---	27.55	---	47.76
TF-23	10/21/02	75.31	31.24	31.44	0.20	44.03
TF-23	04/22/03	74.76	---	NM	---	NC
TF-23	10/06/03	75.31	---	26.52	---	48.79
TF-23	04/19/04	75.31	---	27.51	---	47.80
TF-23	11/01/04	75.31	---	27.60	---	47.71
TF-23	02/28/05	75.31	---	23.89	---	51.42
TF-23	05/02/05	75.31	---	22.32	---	52.99
TF-23	03/06/06	75.31	---	24.21	---	51.10
TF-23	05/01/06	75.31	---	24.31	---	51.00
TF-23	03/21/07	75.31	---	25.51	---	49.80
TF-23	04/30/07	75.31	---	25.67	---	49.64

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-23	11/12/07	75.31	---	26.20	---	49.11
TF-23	02/05/08	75.31	---	26.75	---	48.56
TF-23	04/14/08	75.31	---	25.81	---	49.50
TF-23	07/24/08	75.31	---	26.45	---	48.86
TF-23	10/13/08	75.31	---	27.15	---	48.16
TF-23	02/10/09	75.31	---	26.46	---	48.85
TF-23	07/17/09	75.31	---	26.93	---	48.38
TF-23	04/08/10	75.31	---	27.20	---	48.11
TF-23	10/01/10	75.31	---	27.67	---	47.64
TF-23	01/08/11	75.31	---	27.88	---	47.43
TF-23	04/08/11	75.31	---	26.43	---	48.88
TF-23	07/08/11	75.31	---	26.76	---	48.55
TF-23	10/06/11	75.31	---	27.34	---	47.97
TF-23	04/12/12	75.31	28.38	28.41	0.03	46.92
TF-23	01/11/13	75.31	---	29.67	---	45.64
TF-23	04/03/13	75.31	29.60	29.70	0.10	45.69
TF-23	10/02/13	75.31	30.34	30.56	0.22	44.93
TF-23	04/09/14	75.31	30.92	31.16	0.24	44.34
TF-23	04/16/14	75.31	30.90	31.08	0.18	44.37
TF-23	10/27/14	75.31	31.15	31.16	0.01	44.16
TF-23	04/20/15	75.31	31.51	31.54	0.03	43.79
TF-23	04/11/16	75.31	32.84	33.11	0.27	42.42
TF-23	10/03/16	75.31	33.25	33.64	0.39	NC
TF-23	04/20/17	75.31	---	32.50	---	42.81
TF-23	10/03/17	75.31	---	NM	---	NC
TF-23	04/16/18	75.31	---	NM	---	NC
TF-23	11/05/18	75.31	---	NM	---	NC
TF-23	04/22/19	75.31	---	33.04	---	42.27
TF-23	10/29/19	75.31	---	33.97	---	NC
TF-23	05/05/20	75.31	---	33.01	---	42.30
TF-23	11/02/20	75.31	---	33.95	---	41.36
TF-23	05/03/21	75.31	---	34.64	---	40.67
TF-24	12/31/97	76.36	---	30.05	---	46.31
TF-24	05/01/98	76.36	---	27.19	---	49.17
TF-24	05/25/99	72.43	27.10	29.04	1.94	44.94
TF-24	05/15/00	76.36	27.82	29.42	1.60	48.22
TF-24	05/07/01	76.36	---	NM	---	NC
TF-24	04/08/02	76.43	---	29.19	---	47.24
TF-24	10/21/02	76.35	---	28.12	---	48.23
TF-24	04/22/03	76.35	27.95	28.65	0.70	48.26
TF-24	11/01/04	76.43	---	29.40	---	47.03
TF-24	02/28/05	76.43	---	24.77	---	51.66
TF-24	05/02/05	76.43	---	24.78	---	51.65
TF-24	03/06/06	76.43	24.92	25.86	0.94	51.32
TF-24	05/01/06	76.43	---	26.21	---	50.22
TF-24	08/26/06	76.43	---	26.59	---	49.84
TF-24	03/21/07	76.43	25.88	26.52	0.64	50.42
TF-24	11/12/07	76.43	---	28.03	---	48.40

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-24	04/11/08	76.43	---	27.80	---	48.63
TF-24	07/24/08	76.43	---	28.10	---	48.33
TF-24	10/13/08	76.43	---	28.90	---	47.53
TF-24	02/09/09	76.43	---	29.90	---	46.53
TF-24	07/16/09	76.43	---	29.11	---	47.32
TF-24	04/07/10	76.43	---	29.20	---	47.23
TF-24	10/01/10	76.43	---	29.45	---	46.98
TF-24	01/08/11	76.43	---	29.45	---	46.98
TF-24	04/08/11	76.43	---	28.23	---	48.20
TF-24	07/07/11	76.43	---	28.47	---	47.96
TF-24	10/07/11	76.43	---	28.98	---	47.45
TF-24	04/12/12	76.43	---	29.98	---	46.45
TF-24	01/10/13	76.43	---	31.13	---	45.30
TF-24	04/02/13	76.43	---	31.11	---	45.32
TF-24	10/01/13	76.43	---	31.84	---	44.59
TF-24	04/07/14	76.43	---	32.62	---	43.81
TF-24	04/17/14	76.43	---	32.35	---	44.08
TF-24	10/27/14	76.43	---	32.90	---	43.53
TF-24	04/20/15	76.43	---	33.21	---	43.22
TF-24	04/11/16	76.43	---	NM	---	NC
TF-24	10/03/16	76.43	---	34.85	---	41.58
TF-24	04/19/17	76.43	---	34.15	---	42.28
TF-24	10/02/17	76.43	---	36.20	---	40.23
TF-24	04/16/18	76.43	---	36.78	---	39.65
TF-24	11/05/18	76.43	---	37.33	---	39.10
TF-24	04/19/19	76.43	---	36.09	---	40.34
TF-24	10/29/19	76.43	---	37.09	---	39.34
TF-24	05/05/20	76.43	---	37.28	---	39.15
TF-24	11/02/20	76.35	---	36.98	---	39.45
TF-24	05/03/21	76.43	---	37.63	---	38.80
TF-25	05/07/01	74.85	---	26.56	---	48.29
TF-25	04/08/02	74.85	---	28.55	---	46.30
TF-25	09/19/02	74.85	---	28.70	---	46.15
TF-25	10/21/02	74.85	---	27.82	---	47.03
TF-25	04/22/03	74.85	---	29.61	---	45.24
TF-25	10/06/03	74.85	---	27.54	---	47.31
TF-25	04/19/04	74.85	---	28.96	---	45.89
TF-25	11/01/04	74.85	---	28.15	---	46.70
TF-25	02/28/05	74.85	---	24.44	---	50.41
TF-25	05/02/05	74.85	---	23.72	---	51.13
TF-25	03/06/06	74.85	---	24.81	---	50.04
TF-25	05/01/06	74.85	---	25.10	---	49.75
TF-25	08/26/06	74.85	---	25.48	---	49.37
TF-25	12/01/06	74.85	---	25.79	---	49.06
TF-25	03/21/07	74.85	---	26.00	---	48.85
TF-25	04/30/07	74.85	---	26.34	---	48.51
TF-25	08/28/07	74.85	---	26.89	---	47.96
TF-25	11/12/07	74.85	---	26.13	---	48.72

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-25	02/05/08	74.85	---	27.71	---	47.14
TF-25	04/11/08	74.85	---	26.61	---	48.24
TF-25	07/24/08	74.85	---	26.95	---	47.90
TF-25	10/14/08	74.85	---	27.62	---	47.23
TF-25	02/10/09	74.85	---	27.62	---	47.23
TF-25	07/16/09	---	---	28.88	---	NC
TF-25	04/08/10	74.85	---	27.95	---	46.90
TF-25	10/01/10	74.85	---	27.63	---	47.22
TF-25	01/08/11	74.85	---	27.63	---	47.22
TF-25	04/08/11	74.85	---	26.40	---	48.45
TF-25	07/08/11	74.85	---	26.63	---	48.22
TF-25	10/07/11	74.85	---	27.27	---	47.58
TF-25	04/12/12	74.85	---	28.29	---	46.56
TF-25	01/11/13	74.85	---	29.65	---	45.20
TF-25	04/03/13	74.85	---	29.49	---	45.36
TF-25	04/09/14	74.85	---	30.98	---	43.87
TF-26	05/07/01	75.85	---	27.83	---	48.02
TF-26	04/08/02	75.85	---	29.12	---	46.73
TF-26	09/19/02	75.85	---	29.52	---	46.33
TF-26	10/21/02	75.85	---	28.82	---	47.03
TF-26	04/22/03	75.85	---	28.60	---	47.25
TF-26	10/06/03	75.85	---	28.42	---	47.43
TF-26	04/19/04	75.85	---	29.71	---	46.14
TF-26	11/01/04	75.85	---	29.18	---	46.67
TF-26	02/28/05	75.85	---	25.38	---	50.47
TF-26	05/02/05	75.85	---	24.62	---	51.23
TF-26	03/06/06	75.85	---	25.62	---	50.23
TF-26	05/01/06	75.85	---	26.04	---	49.81
TF-26	08/26/06	75.85	---	26.40	---	49.45
TF-26	12/01/06	75.85	---	26.78	---	49.07
TF-26	03/21/07	75.85	---	26.84	---	49.01
TF-26	04/27/07	75.85	---	27.18	---	48.67
TF-26	08/28/07	75.85	---	27.06	---	48.79
TF-26	11/12/07	75.85	---	27.80	---	48.05
TF-26	02/05/08	75.85	---	28.11	---	47.74
TF-26	04/11/08	75.85	---	27.59	---	48.26
TF-26	07/24/08	75.85	---	28.01	---	47.84
TF-26	10/13/08	75.85	---	28.59	---	47.26
TF-26	02/09/09	75.85	---	27.91	---	47.94
TF-26	07/17/09	---	---	28.87	---	NC
TF-26	04/07/10	75.85	---	28.11	---	47.74
TF-26	10/01/10	75.85	---	28.41	---	47.44
TF-26	04/08/11	75.85	---	27.20	---	48.65
TF-26	07/07/11	75.85	---	27.50	---	48.35
TF-26	10/06/11	75.85	---	22.97	---	52.88
TF-26	04/12/12	75.85	---	29.04	---	46.81
TF-26	01/10/13	75.85	---	30.21	---	45.64
TF-26	04/02/13	75.85	30.55	31.39	0.84	45.13

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-26	04/09/14	75.85	31.48	32.58	1.10	44.15
TF-8	11/20/96	75.60	---	29.39	---	46.21
TF-8	07/01/97	75.60	---	29.70	---	45.90
TF-8	12/31/97	75.60	---	29.33	---	46.27
TF-8	05/01/98	75.60	---	26.64	---	48.96
TF-8	05/25/99	75.60	---	27.60	---	48.00
TF-8	05/15/00	75.60	---	27.32	---	48.28
TF-8	05/07/01	75.60	---	28.91	---	46.69
TF-8	04/08/02	74.86	---	26.79	---	48.07
TF-8	09/19/02	75.60	---	28.77	---	46.83
TF-8	10/21/02	75.60	---	26.32	---	49.28
TF-8	04/22/03	74.86	---	27.50	---	47.36
TF-8	10/06/03	74.86	---	27.32	---	47.54
TF-8	04/19/04	74.86	---	28.62	---	46.24
TF-8	11/01/04	74.86	---	28.54	---	46.32
TF-8	02/28/05	74.86	---	24.95	---	49.91
TF-8	05/02/05	74.86	---	24.26	---	50.60
TF-8	03/06/06	74.86	---	24.21	---	50.65
TF-8	05/01/06	74.86	---	24.51	---	50.35
TF-8	08/26/06	74.86	---	25.84	---	49.02
TF-8	12/01/06	74.86	---	26.17	---	48.69
TF-8	03/21/07	74.86	---	25.52	---	49.34
TF-8	04/30/07	74.86	---	25.54	---	49.32
TF-8	08/28/07	75.60	---	25.92	---	49.68
TF-8	11/12/07	74.86	---	26.12	---	48.74
TF-8	02/05/08	75.60	---	26.69	---	48.91
TF-8	04/11/08	74.86	---	25.78	---	49.08
TF-8	07/16/08	75.60	---	28.42	---	47.18
TF-8	07/24/08	75.60	---	27.05	---	48.55
TF-8	10/14/08	75.60	---	27.84	---	47.76
TF-8	02/10/09	75.60	---	27.69	---	47.91
TF-8	04/08/10	75.60	---	28.30	---	47.30
TF-8	10/01/10	74.86	---	27.81	---	47.05
TF-8	01/07/11	74.86	---	27.90	---	46.96
TF-8	04/08/11	74.86	---	26.52	---	48.34
TF-8	07/08/11	74.86	---	26.66	---	48.20
TF-8	10/07/11	74.86	---	27.18	---	47.68
TF-8	04/12/12	74.86	---	28.14	---	46.72
TF-8	01/11/13	74.86	---	29.56	---	45.30
TF-8	04/03/13	74.86	---	29.35	---	45.51
TF-8	10/02/13	74.86	---	30.14	---	44.72
TF-8	04/09/14	74.86	---	30.91	---	43.95
TF-8	04/17/14	74.86	---	30.79	---	44.07
TF-8	10/27/14	74.86	---	31.22	---	43.64
TF-8	04/20/15	74.86	---	31.51	---	43.35
TF-8	04/11/16	74.86	---	32.88	---	41.98
TF-8	10/03/16	74.86	---	33.41	---	41.45
TF-8	04/17/17	74.86	---	32.41	---	42.45

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-8	10/03/17	74.86	---	33.53	---	41.33
TF-8	04/16/18	74.86	---	33.70	---	41.16
TF-8	11/05/18	74.86	---	34.31	---	40.55
TF-8	04/15/19	---	---	NM	---	NC
TF-8	10/29/19	74.86	---	35.42	---	39.44
TF-8	05/05/20	74.86	---	34.09	---	NC
TF-8	11/02/20	75.60	---	34.21	---	40.65
TF-8	05/04/21	75.60	---	34.70	---	40.90
TF-9	11/20/96	75.27	---	31.31	---	43.96
TF-9	07/01/97	75.27	---	30.55	---	44.72
TF-9	12/31/97	75.27	---	29.12	---	46.15
TF-9	05/01/98	75.27	26.32	26.35	0.03	48.94
TF-9	05/25/99	75.27	27.00	27.04	0.04	48.26
TF-9	05/15/00	75.27	---	26.85	---	48.42
TF-9	05/07/01	75.27	---	29.62	---	45.65
TF-9	04/08/02	74.47	---	27.83	---	46.64
TF-9	09/19/02	75.27	---	28.60	---	46.67
TF-9	10/21/02	75.27	---	27.72	---	47.55
TF-9	04/22/03	75.27	---	27.13	---	48.14
TF-9	10/06/03	74.47	---	26.73	---	47.74
TF-9	04/19/04	74.47	---	28.18	---	46.29
TF-9	11/01/04	75.27	---	28.61	---	46.66
TF-9	02/28/05	75.27	---	25.54	---	49.73
TF-9	05/02/05	75.27	24.06	24.09	0.03	51.20
TF-9	03/06/06	75.27	---	23.97	---	51.30
TF-9	05/01/06	74.47	---	24.22	---	50.25
TF-9	08/26/06	75.27	25.38	25.40	0.02	49.89
TF-9	12/01/06	75.27	---	25.74	---	49.53
TF-9	03/21/07	75.27	---	25.18	---	50.09
TF-9	04/30/07	74.47	---	25.00	---	49.47
TF-9	08/28/07	75.27	---	26.02	---	49.25
TF-9	11/12/07	74.47	---	25.90	---	48.57
TF-9	02/05/08	75.27	---	26.88	---	48.39
TF-9	04/11/08	74.47	---	25.50	---	48.97
TF-9	07/24/08	74.47	---	27.16	---	47.31
TF-9	10/14/08	74.47	---	NM	---	NC
TF-9	02/10/09	75.27	---	27.82	---	47.45
TF-9	07/16/09	75.27	---	28.28	---	46.99
TF-9	04/07/10	75.27	---	27.79	---	47.48
TF-9	10/01/10	74.47	---	27.05	---	47.42
TF-9	01/07/11	74.47	---	27.38	---	47.09
TF-9	04/08/11	74.47	---	25.92	---	48.55
TF-9	07/08/11	74.47	---	26.03	---	48.44
TF-9	10/07/11	74.47	---	NM	---	NC
TF-9	04/12/12	74.47	---	27.62	---	46.85
TF-9	01/11/13	74.47	---	29.14	---	45.33
TF-9	04/03/13	74.47	---	28.93	---	45.54
TF-9	10/02/13	74.47	---	29.83	---	44.64

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TF-9	04/09/14	74.47	---	30.43	---	44.04
TF-9	04/17/14	74.47	---	30.32	---	44.15
TF-9	10/27/14	74.47	---	30.67	---	43.80
TF-9	11/02/20	75.27	---	37.25	---	40.75
TF-9R	10/03/17	78.00	---	37.05	---	40.95
TF-9R	04/16/18	78.00	---	37.34	---	40.66
TF-9R	11/05/18	78.00	---	37.81	---	40.19
TF-9R	04/19/19	---	---	NM	---	NC
TF-9R	10/28/19	78.00	---	38.14	---	39.86
TF-9R	05/04/20	78.00	---	36.45	---	41.55
TF-9R	05/04/21	78.00	---	37.64	---	40.36
TFR-12	04/16/18	---	35.57	38.23	2.66	NC
TFR-12	11/05/18	---	35.66	39.21	3.55	NC
TFR-12	04/15/19	---	35.51	35.52	0.01	NC
TFR-12	10/30/19	---	---	NM	---	NC
TFR-12	05/05/20	76.81	---	35.47	---	41.34
TFR-12	11/02/20	76.81	---	35.51	---	41.30
TFR-12	05/06/21	76.81	---	35.48	---	41.33
TFR-14	04/16/18	---	36.18	36.80	0.62	NC
TFR-14	11/05/18	---	36.80	37.29	0.49	NC
TFR-14	04/15/19	---	35.98	36.06	0.08	NC
TFR-14	10/30/19	---	---	NM	---	NC
TFR-14	05/05/20	77.34	---	34.99	---	42.35
TFR-14	11/02/20	77.34	---	35.89	---	41.45
TFR-14	05/06/21	77.34	---	36.01	---	41.33
TFR-15	04/16/18	---	35.88	36.55	0.67	NC
TFR-15	11/05/18	---	36.10	38.00	1.90	NC
TFR-15	04/15/19	---	35.34	35.80	0.46	NC
TFR-15	10/30/19	---	---	NM	---	NC
TFR-15	05/05/20	76.89	---	35.72	---	41.17
TFR-15	11/02/20	76.89	---	35.70	---	41.19
TFR-15	05/06/21	76.89	---	36.60	---	40.29
TFR-18	04/16/18	---	33.82	34.61	0.79	NC
TFR-18	11/05/18	---	34.59	35.50	0.91	NC
TFR-18	04/15/19	---	33.72	33.75	0.03	NC
TFR-18	10/30/19	---	---	NM	---	NC
TFR-18	05/05/20	75.18	---	33.82	---	41.36
TFR-18	11/02/20	75.18	---	34.01	---	41.17
TFR-18	05/06/21	75.18	---	34.43	---	40.75
TFR-22	04/16/18	---	32.60	37.85	5.25	NC
TFR-22	11/05/18	---	33.51	36.59	3.08	NC
TFR-22	04/15/19	---	33.09	33.52	0.43	NC
TFR-22	10/30/19	---	---	NM	---	NC
TFR-22	05/05/20	74.65	33.38	33.94	0.56	41.16
TFR-22	11/02/20	74.65	34.50	35.54	1.04	40.15
TFR-22R	05/06/21	74.65	33.21	36.93	3.72	40.70
TFR-24	04/16/18	---	33.86	36.64	2.78	NC
TFR-24	11/05/18	---	33.30	36.75	3.45	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
TFR-24	04/15/19	---	32.84	32.98	0.14	NC
TFR-24	10/30/19	---	---	NM	---	NC
TFR-24	05/05/20	74.42	33.85	33.87	0.02	40.57
TFR-24	11/02/20	74.42	---	33.61	---	41.51
TFR-24	05/06/21	74.42	33.87	34.02	0.15	40.52
TFR-27	04/16/18	---	34.08	36.90	2.82	NC
TFR-27	11/05/18	---	33.49	35.21	1.72	NC
TFR-27	04/15/19	---	33.80	34.06	0.26	NC
TFR-27	10/30/19	---	---	NM	---	NC
TFR-27	05/05/20	74.65	---	33.83	---	40.82
TFR-27	11/02/20	74.65	---	33.84	---	40.81
TFR-27	05/06/21	74.65	---	33.60	---	41.05
TFR-29	04/16/18	---	32.26	39.68	7.42	NC
TFR-29	11/05/18	---	33.15	37.95	4.80	NC
TFR-29	04/15/19	---	32.70	34.75	2.05	NC
TFR-29	10/30/19	---	---	NM	---	NC
TFR-29	05/05/20	74.69	32.59	36.52	3.93	41.31
TFR-29	11/02/20	74.69	32.16	32.17	0.01	NC
TFR-29	05/06/21	74.69	32.94	35.97	3.03	41.14
TFR-33	04/16/18	---	34.40	37.12	2.72	NC
TFR-33	11/05/18	---	34.20	37.10	2.90	NC
TFR-33	04/15/19	---	33.28	33.80	0.52	NC
TFR-33	10/30/19	---	---	NM	---	NC
TFR-33	05/05/20	75.12	---	33.88	---	41.24
TFR-33	11/02/20	75.12	---	33.61	---	41.51
TFR-33	05/06/21	75.12	---	DRY	---	DRY
TFR-9	04/16/18	---	35.94	38.43	2.49	NC
TFR-9	11/05/18	---	36.20	38.40	2.20	NC
TFR-9	04/15/19	---	---	35.61	---	NC
TFR-9	10/30/19	---	---	NM	---	NC
TFR-9	05/05/20	77.06	---	35.29	---	41.77
TFR-9	11/02/20	77.06	---	35.45	---	41.61
TFR-9	05/06/21	77.06	---	35.52	---	41.54
VE-1	04/07/03	77.70	---	29.55	---	48.15
VE-1	10/06/03	77.70	---	29.39	---	48.31
VE-1	04/19/04	77.70	---	30.17	---	47.53
VE-1	11/01/04	77.70	---	30.05	---	47.65
VE-1	05/01/06	77.70	---	26.58	---	51.12
VE-1	04/11/08	77.70	---	28.68	---	49.02
VE-1	10/13/08	77.70	---	29.78	---	47.92
VE-1	04/08/10	---	---	30.02	---	NC
VE-2	04/07/03	77.26	---	28.95	---	48.31
VE-2	10/06/03	77.26	---	28.89	---	48.37
VE-2	04/19/04	77.26	---	30.02	---	47.24
VE-2	11/01/04	77.26	---	29.69	---	47.57
VE-2	05/01/06	77.26	---	25.93	---	51.33
VE-2	04/11/08	77.26	---	28.25	---	49.01
VE-2	10/13/08	77.26	---	29.33	---	47.93

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
VE-2	04/07/10	---	---	30.36	---	NC
VEW-1	08/07/01	74.32	---	NM	---	NC
VEW-1	10/04/10	---	---	NM	---	NC
VEW-1	04/11/11	---	---	NM	---	NC
VEW-1	10/10/11	---	---	DRY	---	NC
VEW-1	04/16/12	---	---	NM	---	NC
VEW-1	07/09/12	---	---	NM	---	NC
VEW-1	10/15/12	---	---	DRY	---	NC
VEW-1	04/08/13	---	---	DRY	---	NC
VEW-1	10/07/13	---	---	DRY	---	NC
VEW-1	10/27/14	---	---	DRY	---	NC
VEW-1	04/20/15	---	---	DRY	---	NC
VEW-1	10/19/15	---	---	DRY	---	NC
VEW-1	04/11/16	---	---	DRY	---	NC
VEW-1	10/03/16	---	---	DRY	---	NC
VEW-1	10/03/16	---	---	DRY	---	NC
VEW-1	04/17/17	---	---	DRY	---	NC
VEW-1	10/02/17	---	---	DRY	---	NC
VEW-1	04/16/18	---	---	DRY	---	NC
VEW-1	11/05/18	---	---	DRY	---	NC
VEW-1	04/16/19	---	---	NM	---	NC
VEW-1	10/28/19	---	---	DRY	---	NC
VEW-1	05/04/20	---	---	DRY	---	NC
VEW-1	11/02/20	---	---	DRY	---	NC
VEW-1	05/03/21	---	---	DRY	---	DRY
VEW-2	08/07/01	76.57	---	NM	---	NC
VEW-2	10/04/10	---	---	NM	---	NC
VEW-2	04/11/11	---	---	NM	---	NC
VEW-2	10/10/11	---	---	DRY	---	NC
VEW-2	04/16/12	---	---	NM	---	NC
VEW-2	07/09/12	---	---	NM	---	NC
VEW-2	10/15/12	---	---	DRY	---	NC
VEW-2	04/08/13	---	---	DRY	---	NC
VEW-2	10/07/13	---	---	DRY	---	NC
VEW-2	10/27/14	---	---	DRY	---	NC
VEW-2	04/20/15	---	---	DRY	---	NC
VEW-2	10/19/15	---	---	DRY	---	NC
VEW-2	04/11/16	---	---	DRY	---	NC
VEW-2	10/03/16	---	---	DRY	---	NC
VEW-2	10/03/16	---	---	DRY	---	NC
VEW-2	04/17/17	---	---	DRY	---	NC
VEW-2	10/02/17	---	---	DRY	---	NC
VEW-2	04/16/18	---	---	DRY	---	NC
VEW-2	11/05/18	---	---	DRY	---	NC
VEW-2	04/16/19	---	---	NM	---	NC
VEW-2	10/28/19	---	---	DRY	---	NC
VEW-2	05/04/20	---	---	DRY	---	NC
VEW-2	11/02/20	---	---	DRY	---	NC

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
VEW-2	05/03/21	---	---	DRY	---	DRY
VS-01	10/06/03	---	---	26.30	---	NC
VS-01	04/19/04	---	---	26.88	---	NC
VS-01	05/01/06	---	---	23.95	---	NC
VS-01	05/01/06	---	---	24.01	---	NC
VS-01	12/01/06	---	---	24.81	---	NC
VS-01	12/01/06	---	---	24.92	---	NC
VS-01	11/12/07	---	---	24.81	---	NC
VS-01	11/12/07	---	---	24.92	---	NC
VS-01	04/14/08	---	---	25.18	---	NC
VS-01	04/14/08	---	---	25.48	---	NC
VS-01	10/14/08	---	---	26.69	---	NC
VS-01	10/14/08	---	---	26.87	---	NC
VS-02	10/06/03	---	---	25.63	---	NC
VS-02	04/19/04	---	---	25.08	---	NC
VS-02	04/27/07	---	---	25.50	---	NC
VS-03	10/06/03	---	---	27.04	---	NC
VS-03	04/19/04	---	---	28.25	---	NC
VS-03	05/01/06	---	---	24.21	---	NC
VS-03	05/01/06	---	---	24.36	---	NC
VS-03	12/01/06	---	---	25.18	---	NC
VS-03	12/01/06	---	---	25.21	---	NC
VS-03	04/27/07	---	---	25.51	---	NC
VS-03	04/30/07	---	---	25.51	---	NC
VS-03	11/12/07	---	---	26.01	---	NC
VS-03	11/12/07	---	---	26.33	---	NC
VS-03	04/11/08	---	---	25.56	---	NC
VS-03	04/11/08	---	---	25.90	---	NC
VS-03	10/14/08	---	---	26.60	---	NC
VS-03	10/14/08	---	---	26.85	---	NC
VS-03	04/08/10	---	---	26.48	---	NC
VS-03	04/08/10	---	---	27.10	---	NC
WCW-1	11/20/96	72.86	---	26.13	---	46.73
WCW-1	07/01/97	72.86	---	26.77	---	46.09
WCW-1	12/31/97	72.86	---	26.09	---	46.77
WCW-1	05/01/98	72.86	---	24.21	---	48.65
WCW-1	02/02/99	72.86	---	23.24	---	49.62
WCW-1	05/04/99	72.86	---	23.78	---	49.08
WCW-1	08/09/99	72.86	---	24.15	---	48.71
WCW-1	11/15/99	72.86	---	24.27	---	48.59
WCW-1	02/28/00	72.86	---	24.31	---	48.55
WCW-1	05/15/00	72.86	---	27.79	---	45.07
WCW-1	08/28/00	72.86	---	24.68	---	48.18
WCW-1	11/13/00	72.86	---	24.66	---	48.20
WCW-1	02/05/01	72.86	---	24.60	---	48.26
WCW-1	05/07/01	72.86	---	23.99	---	48.87
WCW-1	09/18/01	72.86	---	23.68	---	49.18
WCW-1	01/29/02	72.86	---	23.85	---	49.01

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-1	04/08/02	72.86	---	24.13	---	48.73
WCW-1	10/21/02	72.86	---	24.65	---	48.21
WCW-1	04/07/03	72.86	---	24.65	---	48.21
WCW-1	10/06/03	72.86	---	24.49	---	48.37
WCW-1	04/19/04	72.86	---	24.98	---	47.88
WCW-1	05/10/04	72.86	---	24.93	---	47.93
WCW-1	11/01/04	72.86	---	25.26	---	47.60
WCW-1	05/02/05	72.86	---	22.57	---	50.29
WCW-1	05/01/06	72.86	---	22.13	---	50.73
WCW-1	12/01/06	72.86	---	22.91	---	49.95
WCW-1	04/30/07	72.86	---	22.20	---	50.66
WCW-1	11/12/07	72.86	---	23.52	---	49.34
WCW-1	04/14/08	72.86	---	23.57	---	49.29
WCW-1	10/14/08	72.86	---	24.19	---	48.67
WCW-1	04/20/09	72.86	---	24.26	---	48.60
WCW-1	01/12/10	72.86	---	25.91	---	46.95
WCW-1	05/24/10	72.86	---	25.10	---	47.76
WCW-1	05/28/10	72.86	---	25.05	---	47.81
WCW-1	10/01/10	72.86	---	25.29	---	47.57
WCW-1	04/08/11	72.86	---	24.82	---	48.04
WCW-1	04/11/11	72.86	---	24.73	---	48.13
WCW-1	07/07/11	72.86	---	24.40	---	48.46
WCW-1	10/06/11	72.86	---	24.57	---	48.29
WCW-1	04/16/12	72.86	---	25.23	---	47.63
WCW-1	07/09/12	72.86	---	NM	---	NC
WCW-1	10/15/12	72.86	---	NM	---	NC
WCW-1	04/08/13	72.86	---	26.83	---	46.03
WCW-1	10/07/13	72.86	---	27.63	---	45.23
WCW-1	04/14/14	72.86	---	27.73	---	45.13
WCW-1	10/27/14	72.86	---	28.53	---	44.33
WCW-1	04/20/15	72.86	---	29.08	---	43.78
WCW-1	10/19/15	72.86	---	29.90	---	42.96
WCW-1	04/11/16	72.86	---	30.70	---	42.16
WCW-1	10/03/16	72.86	---	31.50	---	41.36
WCW-1	10/03/16	72.86	---	31.50	---	41.36
WCW-1	04/17/17	72.86	---	31.00	---	41.86
WCW-1	10/02/17	72.86	---	31.74	---	41.12
WCW-1	04/16/18	72.86	---	32.28	---	40.58
WCW-1	11/05/18	72.86	---	32.77	---	40.09
WCW-1	04/16/19	72.86	---	31.95	---	40.91
WCW-1	10/28/19	72.86	---	32.70	---	40.16
WCW-1	05/04/20	72.86	---	32.02	---	40.84
WCW-1	11/02/20	72.86	---	32.34	---	40.52
WCW-1	05/03/21	72.86	---	32.68	---	40.18
WCW-2	11/20/96	75.34	---	29.34	---	46.00
WCW-2	07/01/97	75.34	---	29.82	---	45.52
WCW-2	12/31/97	75.34	---	29.45	---	45.89
WCW-2	05/01/98	75.34	---	26.80	---	48.54

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-2	02/02/99	75.34	---	26.40	---	48.94
WCW-2	05/03/99	75.34	---	26.94	---	48.40
WCW-2	08/09/99	75.34	---	27.21	---	48.13
WCW-2	11/15/99	75.34	---	27.47	---	47.87
WCW-2	02/28/00	75.34	---	27.44	---	47.90
WCW-2	05/15/00	75.34	---	27.42	---	47.92
WCW-2	08/28/00	75.34	---	27.63	---	47.71
WCW-2	11/13/00	75.34	---	28.87	---	46.47
WCW-2	02/05/01	75.34	---	27.62	---	47.72
WCW-2	05/07/01	75.34	---	27.06	---	48.28
WCW-2	09/18/01	75.34	---	26.64	---	48.70
WCW-2	01/29/02	75.34	---	26.76	---	48.58
WCW-2	04/08/02	75.34	---	27.10	---	48.24
WCW-2	10/21/02	75.34	---	27.47	---	47.87
WCW-2	04/07/03	75.34	---	27.47	---	47.87
WCW-2	10/06/03	75.34	---	27.40	---	47.94
WCW-2	04/19/04	75.34	---	25.80	---	49.54
WCW-2	05/10/04	75.34	---	27.80	---	47.54
WCW-2	11/01/04	75.34	---	28.04	---	47.30
WCW-2	05/02/05	75.34	---	25.69	---	49.65
WCW-2	05/01/06	75.34	---	24.90	---	50.44
WCW-2	12/01/06	75.34	---	25.52	---	49.82
WCW-2	04/30/07	75.34	---	25.49	---	49.85
WCW-2	11/12/07	75.34	---	26.15	---	49.19
WCW-2	04/14/08	75.34	---	26.15	---	49.19
WCW-2	10/14/08	75.34	---	26.88	---	48.46
WCW-2	04/20/09	75.34	---	27.31	---	48.03
WCW-2	10/19/09	75.34	---	27.90	---	47.44
WCW-2	01/12/10	75.34	---	28.11	---	47.23
WCW-2	05/24/10	75.34	---	28.00	---	47.34
WCW-2	05/28/10	75.34	---	27.95	---	47.39
WCW-2	01/08/11	75.34	---	28.36	---	46.98
WCW-2	04/11/11	75.34	---	27.67	---	47.67
WCW-2	04/12/11	75.34	---	27.74	---	47.60
WCW-2	07/07/11	75.34	---	27.40	---	47.94
WCW-2	10/06/11	75.34	---	27.54	---	47.80
WCW-2	04/16/12	75.34	---	28.13	---	47.21
WCW-2	07/09/12	75.34	---	NM	---	NC
WCW-2	10/15/12	75.34	---	NM	---	NC
WCW-2	04/08/13	75.34	---	29.11	---	46.23
WCW-2	10/07/13	75.34	---	30.25	---	45.09
WCW-2	04/14/14	75.34	---	31.71	---	43.63
WCW-2	10/27/14	75.34	---	31.42	---	43.92
WCW-2	04/20/15	75.34	---	32.84	---	42.50
WCW-2	10/19/15	75.34	---	32.52	---	42.82
WCW-2	04/11/16	75.34	---	33.05	---	42.29
WCW-2	10/03/16	75.34	---	33.60	---	41.74
WCW-2	10/03/16	75.34	---	33.60	---	41.74

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-2	04/17/17	75.34	---	33.62	---	41.72
WCW-2	10/02/17	75.34	---	33.94	---	41.40
WCW-2	04/16/18	75.34	---	34.41	---	40.93
WCW-2	11/05/18	75.34	---	34.78	---	40.56
WCW-2	04/16/19	75.34	---	34.72	---	40.62
WCW-2	10/28/19	75.34	---	35.02	---	40.32
WCW-2	05/04/20	75.34	---	35.00	---	40.34
WCW-2	11/02/20	75.34	---	35.08	---	40.26
WCW-2	05/03/21	75.34	---	35.38	---	39.96
WCW-3	11/20/96	76.16	---	30.48	---	45.68
WCW-3	07/01/97	76.16	---	31.00	---	45.16
WCW-3	12/31/97	76.16	---	30.61	---	45.55
WCW-3	05/01/98	76.16	---	29.00	---	47.16
WCW-3	02/02/99	76.16	---	27.82	---	48.34
WCW-3	05/03/99	76.16	---	28.33	---	47.83
WCW-3	08/09/99	76.16	---	28.56	---	47.60
WCW-3	11/15/99	76.16	---	28.83	---	47.33
WCW-3	02/28/00	76.16	---	28.58	---	47.58
WCW-3	05/15/00	76.16	---	28.56	---	47.60
WCW-3	08/28/00	76.16	---	28.72	---	47.44
WCW-3	11/13/00	76.16	---	28.16	---	48.00
WCW-3	02/05/01	76.16	---	28.70	---	47.46
WCW-3	05/07/01	76.16	---	28.15	---	48.01
WCW-3	09/18/01	76.16	---	27.78	---	48.38
WCW-3	01/29/02	76.16	---	27.99	---	48.17
WCW-3	04/08/02	76.16	---	28.25	---	47.91
WCW-3	07/29/02	76.16	---	28.41	---	47.75
WCW-3	10/21/02	76.16	---	28.50	---	47.66
WCW-3	01/27/03	76.16	---	28.47	---	47.69
WCW-3	04/07/03	76.16	---	28.49	---	47.67
WCW-3	07/30/03	76.16	---	28.29	---	47.87
WCW-3	10/06/03	76.16	---	28.44	---	47.72
WCW-3	01/27/04	76.16	---	28.58	---	47.58
WCW-3	05/10/04	76.16	---	28.34	---	47.82
WCW-3	07/19/04	76.16	---	28.18	---	47.98
WCW-3	11/01/04	76.16	---	29.04	---	47.12
WCW-3	02/01/05	76.16	---	28.54	---	47.62
WCW-3	05/02/05	76.16	---	26.58	---	49.58
WCW-3	02/27/06	76.16	---	25.75	---	50.41
WCW-3	05/01/06	76.16	---	25.95	---	50.21
WCW-3	09/18/06	76.16	---	26.11	---	50.05
WCW-3	12/01/06	76.16	---	26.56	---	49.60
WCW-3	03/12/07	76.16	---	26.52	---	49.64
WCW-3	04/30/07	76.16	---	26.45	---	49.71
WCW-3	08/28/07	76.16	---	27.43	---	48.73
WCW-3	11/12/07	76.16	---	27.21	---	48.95
WCW-3	02/19/08	76.16	---	27.21	---	48.95
WCW-3	04/14/08	76.16	---	27.14	---	49.02

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-3	08/11/08	76.16	---	27.59	---	48.57
WCW-3	10/14/08	76.16	---	27.99	---	48.17
WCW-3	04/20/09	76.16	---	28.19	---	47.97
WCW-3	07/20/09	76.16	---	28.48	---	47.68
WCW-3	10/19/09	76.16	---	28.84	---	47.32
WCW-3	01/12/10	76.16	---	30.40	---	45.76
WCW-3	03/15/10	76.16	---	29.44	---	46.72
WCW-3	05/24/10	76.16	---	29.30	---	46.86
WCW-3	05/28/10	76.16	---	29.21	---	46.95
WCW-3	10/04/10	76.16	---	29.26	---	46.90
WCW-3	01/08/11	76.16	---	29.58	---	46.58
WCW-3	01/10/11	76.16	---	29.50	---	46.66
WCW-3	04/11/11	76.16	---	28.84	---	47.32
WCW-3	04/12/11	76.16	---	28.95	---	47.21
WCW-3	07/07/11	76.16	---	28.75	---	47.41
WCW-3	07/11/11	76.16	---	28.57	---	47.59
WCW-3	10/10/11	76.16	---	28.64	---	47.52
WCW-3	01/09/12	76.16	---	29.00	---	47.16
WCW-3	04/16/12	76.16	---	29.35	---	46.81
WCW-3	07/09/12	76.16	---	29.64	---	46.52
WCW-3	10/15/12	76.16	---	29.98	---	46.18
WCW-3	01/14/13	76.16	---	30.32	---	45.84
WCW-3	04/08/13	76.16	---	30.24	---	45.92
WCW-3	10/07/13	76.16	---	31.00	---	45.16
WCW-3	04/14/14	76.16	---	31.81	---	44.35
WCW-3	10/27/14	76.16	---	32.39	---	43.77
WCW-3	04/20/15	76.16	---	32.40	---	43.76
WCW-3	10/19/15	76.16	---	33.38	---	42.78
WCW-3	04/11/16	76.16	---	33.83	---	42.33
WCW-3	10/03/16	76.16	---	34.35	---	41.81
WCW-3	10/03/16	76.16	---	34.35	---	41.81
WCW-3	04/17/17	76.16	---	34.70	---	41.46
WCW-3	10/02/17	76.16	---	34.79	---	41.37
WCW-3	04/16/18	76.16	---	35.26	---	40.90
WCW-3	11/05/18	76.16	---	35.62	---	40.54
WCW-3	04/16/19	76.16	---	35.82	---	40.34
WCW-3	10/28/19	76.16	---	35.98	---	40.18
WCW-3	05/04/20	76.16	---	36.10	---	40.06
WCW-3	11/02/20	76.16	---	36.13	---	40.03
WCW-3	05/03/21	76.16	---	36.90	---	39.26
WCW-4	11/20/96	78.05	---	32.61	---	45.44
WCW-4	07/01/97	78.05	---	32.95	---	45.10
WCW-4	12/31/97	78.05	---	32.63	---	45.42
WCW-4	05/01/98	78.05	---	31.10	---	46.95
WCW-4	05/03/99	78.05	---	30.25	---	47.80
WCW-4	08/09/99	78.05	---	30.45	---	47.60
WCW-4	11/15/99	78.05	---	30.85	---	47.20
WCW-4	05/15/00	78.05	---	34.00	---	44.05

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-4	11/13/00	78.05	---	30.69	---	47.36
WCW-4	05/07/01	78.05	---	31.16	---	46.89
WCW-4	04/08/02	78.05	---	30.25	---	47.80
WCW-4	10/21/02	78.05	---	30.46	---	47.59
WCW-4	04/07/03	78.05	---	30.38	---	47.67
WCW-4	10/06/03	78.05	---	30.31	---	47.74
WCW-4	05/10/04	78.05	---	30.61	---	47.44
WCW-4	11/01/04	78.05	---	30.98	---	47.07
WCW-4	05/02/05	78.05	---	28.52	---	49.53
WCW-4	08/01/05	78.05	---	27.84	---	50.21
WCW-4	05/01/06	78.05	---	27.90	---	50.15
WCW-4	12/01/06	78.05	---	28.54	---	49.51
WCW-4	04/30/07	78.05	---	28.50	---	49.55
WCW-4	11/12/07	78.05	---	29.23	---	48.82
WCW-4	04/14/08	78.05	---	29.12	---	48.93
WCW-4	10/14/08	78.05	---	29.96	---	48.09
WCW-4	04/20/09	78.05	---	30.20	---	47.85
WCW-4	10/19/09	78.05	---	30.83	---	47.22
WCW-4	01/12/10	78.05	---	31.40	---	46.65
WCW-4	05/24/10	78.05	---	31.26	---	46.79
WCW-4	05/28/10	78.05	---	31.23	---	46.82
WCW-4	01/08/11	78.05	---	31.57	---	46.48
WCW-4	04/08/11	78.05	---	29.98	---	48.07
WCW-4	04/11/11	78.05	---	30.88	---	47.17
WCW-4	07/07/11	78.05	---	30.86	---	47.19
WCW-4	10/06/11	78.05	---	30.96	---	47.09
WCW-4	04/16/12	78.05	---	31.17	---	46.88
WCW-4	07/09/12	78.05	---	NM	---	NC
WCW-4	10/15/12	78.05	---	NM	---	NC
WCW-4	04/08/13	78.05	---	32.12	---	45.93
WCW-4	10/07/13	78.05	---	32.78	---	45.27
WCW-4	04/14/14	78.05	---	33.54	---	44.51
WCW-4	10/27/14	78.05	---	34.21	---	43.84
WCW-4	04/20/15	78.05	---	34.52	---	43.53
WCW-4	10/19/15	78.05	---	35.10	---	42.95
WCW-4	04/11/16	78.05	---	35.60	---	42.45
WCW-4	10/03/16	78.05	---	36.10	---	41.95
WCW-4	10/03/16	78.05	---	36.10	---	41.95
WCW-4	04/17/17	78.05	---	36.61	---	41.44
WCW-4	10/02/17	78.05	---	36.79	---	41.26
WCW-4	04/16/18	78.05	---	37.20	---	40.85
WCW-4	11/05/18	78.05	---	37.61	---	40.44
WCW-4	04/16/19	78.05	---	37.89	---	40.16
WCW-4	10/28/19	78.05	---	38.03	---	40.02
WCW-4	05/04/20	78.05	---	38.27	---	39.78
WCW-4	11/02/20	78.05	---	38.38	---	39.67
WCW-4	05/03/21	78.05	---	38.58	---	39.47
WCW-5	11/20/96	73.49	---	26.94	---	46.55

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-5	07/01/97	73.49	---	27.65	---	45.84
WCW-5	12/31/97	73.49	---	27.10	---	46.39
WCW-5	05/01/98	73.49	---	25.28	---	48.21
WCW-5	05/04/99	73.49	---	24.80	---	48.69
WCW-5	08/09/99	73.49	---	25.11	---	48.38
WCW-5	11/15/99	73.49	---	25.46	---	48.03
WCW-5	05/15/00	73.49	---	25.14	---	48.35
WCW-5	11/13/00	73.49	---	25.95	---	47.54
WCW-5	05/07/01	73.49	---	24.82	---	48.67
WCW-5	04/08/02	73.49	---	24.85	---	48.64
WCW-5	10/21/02	73.49	---	29.34	---	44.15
WCW-5	04/07/03	73.49	---	25.38	---	48.11
WCW-5	10/06/03	73.49	---	25.27	---	48.22
WCW-5	05/10/04	73.49	---	25.90	---	47.59
WCW-5	11/01/04	73.49	---	26.09	---	47.40
WCW-5	05/02/05	73.49	---	23.44	---	50.05
WCW-5	05/01/06	73.49	---	22.85	---	50.64
WCW-5	12/01/06	73.49	---	23.80	---	49.69
WCW-5	04/30/07	73.49	---	23.56	---	49.93
WCW-5	11/12/07	73.49	---	24.15	---	49.34
WCW-5	04/14/08	73.49	---	24.20	---	49.29
WCW-5	10/14/08	73.49	---	24.82	---	48.67
WCW-5	04/20/09	73.49	---	24.97	---	48.52
WCW-5	10/19/09	73.49	---	25.71	---	47.78
WCW-5	01/12/10	73.49	---	26.53	---	46.96
WCW-5	05/24/10	73.49	---	25.70	---	47.79
WCW-5	05/28/10	73.49	---	25.65	---	47.84
WCW-5	01/08/11	73.49	---	26.15	---	47.34
WCW-5	04/08/11	73.49	---	25.32	---	48.17
WCW-5	04/11/11	73.49	---	25.23	---	48.26
WCW-5	07/07/11	73.49	---	24.85	---	48.64
WCW-5	10/06/11	73.49	---	25.18	---	48.31
WCW-5	04/16/12	73.49	---	25.92	---	47.57
WCW-5	07/09/12	73.49	---	NM	---	NC
WCW-5	10/15/12	73.49	---	NM	---	NC
WCW-5	04/08/13	73.49	---	27.17	---	46.32
WCW-5	10/07/13	73.49	---	28.62	---	44.87
WCW-5	04/14/14	73.49	---	28.76	---	44.73
WCW-5	10/27/14	73.49	---	29.51	---	43.98
WCW-5	04/20/15	73.49	---	29.93	---	43.56
WCW-5	10/19/15	73.49	---	30.77	---	42.72
WCW-5	04/11/16	73.49	---	31.48	---	42.01
WCW-5	10/03/16	73.49	---	32.20	---	41.29
WCW-5	10/03/16	73.49	---	32.20	---	41.29
WCW-5	04/17/17	73.49	---	31.21	---	42.28
WCW-5	10/02/17	73.49	---	32.34	---	41.15
WCW-5	04/16/18	73.49	---	32.90	---	40.59
WCW-5	11/05/18	73.49	---	33.38	---	40.11

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-5	11/05/18	73.49	---	33.38	---	40.11
WCW-5	04/16/19	73.49	---	32.51	---	40.98
WCW-5	10/28/19	73.49	---	33.28	---	40.21
WCW-5	05/04/20	73.49	---	33.67	---	39.82
WCW-5	11/02/20	73.49	---	33.00	---	40.49
WCW-5	05/03/21	73.49	---	33.30	---	40.19
WCW-6	11/20/96	75.52	---	29.55	---	45.97
WCW-6	07/01/97	75.52	---	30.17	---	45.35
WCW-6	12/31/97	75.52	---	29.46	---	46.06
WCW-6	05/01/98	75.52	---	27.67	---	47.85
WCW-6	05/04/99	75.52	---	27.38	---	48.14
WCW-6	08/09/99	75.52	---	27.82	---	47.70
WCW-6	11/15/99	75.52	---	27.90	---	47.62
WCW-6	05/15/00	75.52	---	27.68	---	47.84
WCW-6	11/13/00	75.52	---	28.67	---	46.85
WCW-6	05/07/01	75.52	---	27.21	---	48.31
WCW-6	04/08/02	75.52	---	27.52	---	48.00
WCW-6	10/21/02	75.52	---	27.72	---	47.80
WCW-6	04/07/03	75.52	---	27.63	---	47.89
WCW-6	10/06/03	75.52	---	27.75	---	47.77
WCW-6	05/10/04	75.52	---	28.35	---	47.17
WCW-6	11/01/04	75.52	---	28.51	---	47.01
WCW-6	05/02/05	75.52	---	25.64	---	49.88
WCW-6	05/01/06	75.52	---	25.10	---	50.42
WCW-6	12/01/06	75.52	---	26.06	---	49.46
WCW-6	04/30/07	75.52	---	25.79	---	49.73
WCW-6	11/12/07	75.52	---	26.44	---	49.08
WCW-6	04/14/08	75.52	---	26.41	---	49.11
WCW-6	10/14/08	75.52	---	27.13	---	48.39
WCW-6	04/20/09	75.52	---	27.40	---	48.12
WCW-6	10/19/09	75.52	---	27.87	---	47.65
WCW-6	01/12/10	75.52	---	28.24	---	47.28
WCW-6	05/24/10	75.52	---	28.10	---	47.42
WCW-6	05/28/10	75.52	---	28.02	---	47.50
WCW-6	01/08/11	75.52	---	28.58	---	46.94
WCW-6	04/08/11	75.52	---	27.55	---	47.97
WCW-6	04/11/11	75.52	---	27.41	---	48.11
WCW-6	07/07/11	75.52	---	27.19	---	48.33
WCW-6	10/06/11	75.52	---	27.62	---	47.90
WCW-6	10/10/11	75.52	---	27.33	---	48.19
WCW-6	04/16/12	75.52	---	28.33	---	47.19
WCW-6	07/09/12	75.52	---	NM	---	NC
WCW-6	10/15/12	75.52	---	NM	---	NC
WCW-6	04/08/13	75.52	---	29.59	---	45.93
WCW-6	10/07/13	75.52	---	30.56	---	44.96
WCW-6	04/14/14	75.52	---	31.12	---	44.40
WCW-6	10/27/14	75.52	---	31.69	---	43.83
WCW-6	04/20/15	75.52	---	32.08	---	43.44

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-6	10/19/15	75.52	---	32.82	---	42.70
WCW-6	04/11/16	75.52	---	33.53	---	41.99
WCW-6	10/03/16	75.52	---	34.00	---	41.52
WCW-6	10/03/16	75.52	---	34.00	---	41.52
WCW-6	04/17/17	75.52	---	33.51	---	42.01
WCW-6	10/02/17	75.52	---	34.22	---	41.30
WCW-6	04/16/18	75.52	---	34.70	---	40.82
WCW-6	11/05/18	75.52	---	35.11	---	40.41
WCW-6	11/05/18	75.52	---	35.11	---	40.41
WCW-6	04/16/19	75.52	---	34.45	---	41.07
WCW-6	10/28/19	75.52	---	35.15	---	40.37
WCW-6	05/04/20	75.52	---	34.75	---	40.77
WCW-6	11/02/20	75.52	---	34.92	---	40.60
WCW-6	05/03/21	75.52	---	35.36	---	40.16
WCW-7	11/20/96	76.44	---	30.55	---	45.89
WCW-7	07/01/97	76.44	---	31.50	---	44.94
WCW-7	12/31/97	76.44	---	30.79	---	45.65
WCW-7	05/01/98	76.44	---	28.81	---	47.63
WCW-7	05/04/99	76.44	---	29.26	---	47.18
WCW-7	08/09/99	76.44	---	29.75	---	46.69
WCW-7	11/15/99	76.44	---	29.86	---	46.58
WCW-7	05/15/00	76.44	---	29.02	---	47.42
WCW-7	11/13/00	76.44	---	29.69	---	46.75
WCW-7	02/05/01	76.44	---	29.10	---	47.34
WCW-7	05/07/01	76.44	---	28.48	---	47.96
WCW-7	09/18/01	76.44	---	28.18	---	48.26
WCW-7	01/29/02	76.44	---	28.64	---	47.80
WCW-7	04/08/02	76.44	---	29.03	---	47.41
WCW-7	07/29/02	76.44	---	28.94	---	47.50
WCW-7	10/21/02	76.44	---	28.93	---	47.51
WCW-7	01/27/03	76.44	---	28.70	---	47.74
WCW-7	04/07/03	76.44	---	28.72	---	47.72
WCW-7	07/31/03	76.44	---	28.67	---	47.77
WCW-7	10/06/03	76.44	---	29.03	---	47.41
WCW-7	01/27/04	76.44	---	28.98	---	47.46
WCW-7	05/10/04	76.44	---	29.46	---	46.98
WCW-7	07/19/04	76.44	---	30.18	---	46.26
WCW-7	11/01/04	76.44	---	29.56	---	46.88
WCW-7	02/01/05	76.44	---	28.76	---	47.68
WCW-7	05/02/05	76.44	---	26.51	---	49.93
WCW-7	08/01/05	76.44	---	25.72	---	50.72
WCW-7	02/27/06	76.44	---	25.09	---	51.35
WCW-7	05/01/06	76.44	---	26.41	---	50.03
WCW-7	09/18/06	76.44	---	26.72	---	49.72
WCW-7	12/01/06	76.44	---	27.13	---	49.31
WCW-7	03/12/07	76.44	---	27.28	---	49.16
WCW-7	04/30/07	76.44	---	26.96	---	49.48
WCW-7	08/28/07	76.44	---	26.70	---	49.74

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-7	11/12/07	76.44	---	27.67	---	48.77
WCW-7	02/19/08	76.44	---	27.69	---	48.75
WCW-7	04/14/08	76.44	---	27.56	---	48.88
WCW-7	08/11/08	76.44	---	28.00	---	48.44
WCW-7	10/16/08	76.44	---	28.53	---	47.91
WCW-7	04/20/09	76.44	---	28.72	---	47.72
WCW-7	07/20/09	76.44	---	28.94	---	47.50
WCW-7	10/19/09	76.44	---	29.29	---	47.15
WCW-7	01/12/10	76.44	---	29.94	---	46.50
WCW-7	03/15/10	76.44	---	30.00	---	46.44
WCW-7	05/24/10	76.44	---	29.75	---	46.69
WCW-7	05/28/10	76.44	---	29.65	---	46.79
WCW-7	10/04/10	76.44	---	29.53	---	46.91
WCW-7	01/08/11	76.44	---	30.23	---	46.21
WCW-7	01/10/11	76.44	---	29.87	---	46.57
WCW-7	04/08/11	76.44	---	29.04	---	47.40
WCW-7	04/11/11	76.44	---	28.90	---	47.54
WCW-7	07/07/11	76.44	---	28.96	---	47.48
WCW-7	07/11/11	76.44	---	28.74	---	47.70
WCW-7	10/10/11	76.44	---	28.93	---	47.51
WCW-7	01/09/12	76.44	---	29.35	---	47.09
WCW-7	04/16/12	76.44	---	29.17	---	47.27
WCW-7	07/09/12	76.44	---	28.34	---	48.10
WCW-7	10/15/12	76.44	---	30.41	---	46.03
WCW-7	01/14/13	76.44	---	30.88	---	45.56
WCW-7	04/08/13	76.44	---	30.91	---	45.53
WCW-7	10/07/13	76.44	---	32.25	---	44.19
WCW-7	04/14/14	76.44	---	32.46	---	43.98
WCW-7	10/27/14	76.44	---	32.88	---	43.56
WCW-7	04/20/15	76.44	---	33.22	---	43.22
WCW-7	10/19/15	76.44	---	34.05	---	42.39
WCW-7	04/11/16	76.44	---	34.46	---	41.98
WCW-7	10/03/16	76.44	---	34.22	---	42.22
WCW-7	10/03/16	76.44	---	34.22	---	42.22
WCW-7	04/17/17	76.44	---	DRY	---	NC
WCW-7	10/02/17	76.44	---	35.34	---	41.10
WCW-7	04/16/18	76.44	---	35.49	---	40.95
WCW-7	11/05/18	76.44	---	35.62	---	40.82
WCW-7	04/16/19	76.44	---	35.42	---	41.02
WCW-7	10/28/19	76.44	---	35.97	---	40.47
WCW-7	05/04/20	76.44	---	36.27	---	40.17
WCW-7	11/02/20	76.44	---	36.13	---	40.31
WCW-7	05/03/21	76.44	---	36.66	---	39.78
WCW-8	11/20/96	77.34	---	31.59	---	45.75
WCW-8	07/01/97	77.34	---	32.38	---	44.96
WCW-8	12/31/97	77.34	---	31.81	---	45.53
WCW-8	05/01/98	77.34	---	30.04	---	47.30
WCW-8	05/04/99	77.34	---	30.21	---	47.13

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-8	08/09/99	77.34	---	30.49	---	46.85
WCW-8	11/15/99	77.34	---	30.81	---	46.53
WCW-8	05/15/00	77.34	---	29.88	---	47.46
WCW-8	08/28/00	77.34	---	30.23	---	47.11
WCW-8	11/13/00	77.34	---	30.26	---	47.08
WCW-8	02/05/01	77.34	---	30.01	---	47.33
WCW-8	05/07/01	77.34	---	29.42	---	47.92
WCW-8	09/18/01	77.34	---	29.11	---	48.23
WCW-8	01/29/02	77.34	---	29.45	---	47.89
WCW-8	04/08/02	77.34	---	29.77	---	47.57
WCW-8	10/21/02	77.34	---	29.84	---	47.50
WCW-8	04/07/03	77.34	---	29.71	---	47.63
WCW-8	10/06/03	77.34	---	29.75	---	47.59
WCW-8	05/10/04	77.34	---	29.99	---	47.35
WCW-8	11/01/04	77.34	---	30.36	---	46.98
WCW-8	05/02/05	77.34	---	27.42	---	49.92
WCW-8	05/01/06	77.34	---	27.18	---	50.16
WCW-8	12/01/06	77.34	---	27.91	---	49.43
WCW-8	04/30/07	77.34	---	27.82	---	49.52
WCW-8	11/12/07	77.34	---	28.62	---	48.72
WCW-8	04/14/08	77.34	---	28.53	---	48.81
WCW-8	10/16/08	77.34	---	29.52	---	47.82
WCW-8	04/20/09	77.34	---	29.40	---	47.94
WCW-8	10/19/09	77.34	---	30.10	---	47.24
WCW-8	01/12/10	77.34	---	31.30	---	46.04
WCW-8	05/24/10	77.34	---	30.75	---	46.59
WCW-8	05/28/10	77.34	---	30.74	---	46.60
WCW-8	01/08/11	77.34	---	31.27	---	46.07
WCW-8	04/08/11	77.34	---	30.15	---	47.19
WCW-8	04/11/11	77.34	---	30.03	---	47.31
WCW-8	07/07/11	77.34	---	30.07	---	47.27
WCW-8	10/06/11	77.34	---	30.27	---	47.07
WCW-8	04/16/12	77.34	---	30.76	---	46.58
WCW-8	07/09/12	77.34	---	NM	---	NC
WCW-8	10/15/12	77.34	---	NM	---	NC
WCW-8	04/08/13	77.34	---	31.62	---	45.72
WCW-8	10/07/13	77.34	---	32.42	---	44.92
WCW-8	04/14/14	77.34	---	33.53	---	43.81
WCW-8	10/27/14	77.34	---	33.75	---	43.59
WCW-8	04/20/15	77.34	---	34.05	---	43.29
WCW-8	10/19/15	77.34	---	34.78	---	42.56
WCW-8	04/11/16	77.34	---	35.17	---	42.17
WCW-8	10/03/16	77.34	---	35.70	---	41.64
WCW-8	10/03/16	77.34	---	35.70	---	41.64
WCW-8	04/17/17	77.34	---	36.00	---	41.34
WCW-8	10/02/17	77.34	---	36.14	---	41.20
WCW-8	04/16/18	77.34	---	36.56	---	40.78
WCW-8	11/05/18	77.34	---	37.04	---	40.30

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-8	04/16/19	77.34	---	36.92	---	40.42
WCW-8	10/28/19	77.34	---	37.20	---	40.14
WCW-8	05/04/20	77.34	---	37.29	---	40.05
WCW-8	11/02/20	77.34	---	37.24	---	40.10
WCW-8	05/03/21	77.34	---	37.62	---	39.72
WCW-9	11/20/96	77.74	---	32.13	---	45.61
WCW-9	07/01/97	77.74	---	32.47	---	45.27
WCW-9	12/31/97	77.74	---	32.22	---	45.52
WCW-9	05/01/98	77.74	---	30.75	---	46.99
WCW-9	05/04/99	77.74	---	30.16	---	47.58
WCW-9	08/09/99	77.74	---	30.44	---	47.30
WCW-9	11/15/99	77.74	---	30.79	---	46.95
WCW-9	05/15/00	77.74	---	30.32	---	47.42
WCW-9	11/13/00	77.74	---	30.59	---	47.15
WCW-9	05/07/01	77.74	---	29.92	---	47.82
WCW-9	04/08/02	77.74	---	30.07	---	47.67
WCW-9	10/21/02	77.74	---	30.36	---	47.38
WCW-9	04/07/03	77.74	---	30.23	---	47.51
WCW-9	10/06/03	77.74	---	30.20	---	47.54
WCW-9	05/10/04	77.74	---	30.35	---	47.39
WCW-9	11/01/04	77.74	---	30.77	---	46.97
WCW-9	05/02/05	77.74	---	27.80	---	49.94
WCW-9	05/01/06	77.74	---	27.61	---	50.13
WCW-9	12/01/06	77.74	---	28.54	---	49.20
WCW-9	04/30/07	77.74	---	28.36	---	49.38
WCW-9	11/12/07	77.74	---	29.24	---	48.50
WCW-9	04/14/08	77.74	---	29.11	---	48.63
WCW-9	10/16/08	77.74	---	29.98	---	47.76
WCW-9	04/20/09	77.74	---	29.96	---	47.78
WCW-9	01/12/10	77.74	---	NM	---	NC
WCW-9	05/24/10	77.74	---	31.02	---	46.72
WCW-9	05/28/10	77.74	---	31.00	---	46.74
WCW-9	10/01/10	77.74	---	31.00	---	46.74
WCW-9	01/08/11	77.74	---	31.37	---	46.37
WCW-9	04/11/11	77.74	---	30.68	---	47.06
WCW-9	04/12/11	77.74	---	30.78	---	46.96
WCW-9	07/07/11	77.74	---	30.66	---	47.08
WCW-9	10/06/11	77.74	---	30.82	---	46.92
WCW-9	04/16/12	77.74	---	31.15	---	46.59
WCW-9	07/09/12	77.74	---	NM	---	NC
WCW-9	10/15/12	77.74	---	NM	---	NC
WCW-9	04/08/13	77.74	---	31.73	---	46.01
WCW-9	10/07/13	77.74	---	33.04	---	44.70
WCW-9	04/14/14	77.74	---	33.24	---	44.50
WCW-9	10/27/14	77.74	---	34.10	---	43.64
WCW-9	04/20/15	77.74	---	33.92	---	43.82
WCW-9	10/19/15	77.74	---	34.91	---	42.83
WCW-9	04/11/16	77.74	---	35.52	---	42.22

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-9	10/03/16	77.74	---	35.29	---	42.45
WCW-9	10/03/16	77.74	---	35.29	---	42.45
WCW-9	04/17/17	77.74	---	35.10	---	42.64
WCW-9	10/02/17	77.74	---	36.49	---	41.25
WCW-9	04/16/18	77.74	---	36.82	---	40.92
WCW-9	11/05/18	77.74	---	36.92	---	40.82
WCW-9	04/16/19	77.74	---	37.38	---	40.36
WCW-9	10/28/19	77.74	---	36.39	---	41.35
WCW-9	05/04/20	77.74	---	37.72	---	40.02
WCW-9	11/02/20	77.74	---	37.00	---	40.74
WCW-9	05/03/21	77.74	---	37.34	---	40.40
WCW-10	11/20/96	74.06	---	27.61	---	46.45
WCW-10	07/01/97	74.06	---	27.23	---	46.83
WCW-10	12/31/97	74.06	---	27.21	---	46.85
WCW-10	05/01/98	74.06	---	23.22	---	50.84
WCW-10	05/04/99	74.06	---	24.52	---	49.54
WCW-10	08/09/99	74.06	---	24.63	---	49.43
WCW-10	11/15/99	74.06	---	24.89	---	49.17
WCW-10	05/15/00	74.06	---	25.50	---	48.56
WCW-10	11/13/00	74.06	---	25.18	---	48.88
WCW-10	05/07/01	74.06	---	24.66	---	49.40
WCW-10	04/08/02	74.06	---	24.71	---	49.35
WCW-10	10/21/02	74.06	---	25.20	---	48.86
WCW-10	04/07/03	74.06	---	25.23	---	48.83
WCW-10	05/10/04	74.06	---	25.41	---	48.65
WCW-10	11/01/04	74.06	---	25.66	---	48.40
WCW-10	05/02/05	74.06	---	23.47	---	50.59
WCW-10	05/01/06	74.06	---	23.17	---	50.89
WCW-10	04/30/07	74.06	---	23.74	---	50.32
WCW-10	11/12/07	74.06	---	24.41	---	49.65
WCW-10	10/14/08	74.06	---	24.95	---	49.11
WCW-10	04/20/09	74.06	---	24.90	---	49.16
WCW-10	01/12/10	74.06	---	26.40	---	47.66
WCW-10	05/24/10	74.06	---	25.70	---	48.36
WCW-10	05/28/10	74.06	---	25.67	---	48.39
WCW-10	10/01/10	74.06	---	25.86	---	48.20
WCW-10	01/08/11	74.06	---	25.92	---	48.14
WCW-10	04/08/11	74.06	---	25.62	---	48.44
WCW-10	04/11/11	74.06	---	25.55	---	48.51
WCW-10	07/07/11	74.06	---	25.40	---	48.66
WCW-10	10/06/11	74.06	---	25.41	---	48.65
WCW-10	04/16/12	74.06	---	25.80	---	48.26
WCW-10	07/09/12	74.06	---	NM	---	NC
WCW-10	10/15/12	74.06	---	NM	---	NC
WCW-10	04/08/13	74.06	---	26.73	---	47.33
WCW-10	10/07/13	74.06	---	28.01	---	46.05
WCW-10	04/14/14	74.06	---	28.00	---	46.06
WCW-10	10/27/14	74.06	---	28.95	---	45.11

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-10	04/20/15	74.06	---	29.17	---	44.89
WCW-10	10/19/15	74.06	---	30.00	---	44.06
WCW-10	04/11/16	74.06	---	30.79	---	43.27
WCW-10	10/03/16	74.06	---	31.81	---	42.25
WCW-10	10/03/16	74.06	---	31.81	---	42.25
WCW-10	04/17/17	74.06	---	32.13	---	41.93
WCW-10	10/02/17	74.06	---	32.52	---	41.54
WCW-10	04/16/18	74.06	---	33.20	---	40.86
WCW-10	11/05/18	74.06	---	34.02	---	40.04
WCW-10	04/16/19	74.06	---	34.52	---	39.54
WCW-10	10/28/19	74.06	---	33.91	---	40.15
WCW-10	05/04/20	74.06	---	34.99	---	39.07
WCW-10	11/02/20	74.06	---	34.00	---	40.06
WCW-10	05/03/21	74.06	---	34.46	---	39.60
WCW-11	11/20/96	75.29	---	29.24	---	46.05
WCW-11	07/01/97	75.29	---	28.91	---	46.38
WCW-11	12/31/97	75.29	---	29.14	---	46.15
WCW-11	05/01/98	75.29	---	26.04	---	49.25
WCW-11	05/04/99	75.29	---	26.63	---	48.66
WCW-11	08/09/99	75.29	---	26.30	---	48.99
WCW-11	11/15/99	75.29	---	26.55	---	48.74
WCW-11	05/15/00	75.29	---	26.91	---	48.38
WCW-11	11/13/00	75.29	---	26.77	---	48.52
WCW-11	05/07/01	75.29	---	26.65	---	48.64
WCW-11	04/08/02	75.29	---	26.45	---	48.84
WCW-11	10/21/02	75.29	---	26.72	---	48.57
WCW-11	04/07/03	75.29	---	26.78	---	48.51
WCW-11	05/10/04	75.29	---	26.89	---	48.40
WCW-11	11/01/04	75.29	---	27.22	---	48.07
WCW-11	05/02/05	75.29	---	25.23	---	50.06
WCW-11	05/01/06	75.29	---	24.45	---	50.84
WCW-11	04/30/07	75.29	---	25.18	---	50.11
WCW-11	11/12/07	75.29	---	25.97	---	49.32
WCW-11	10/16/08	75.29	---	26.61	---	48.68
WCW-11	04/20/09	75.29	---	26.62	---	48.67
WCW-11	01/12/10	75.29	---	27.83	---	47.46
WCW-11	05/24/10	75.29	---	27.77	---	47.52
WCW-11	05/28/10	75.29	---	27.46	---	47.83
WCW-11	10/01/10	75.29	---	27.65	---	47.64
WCW-11	01/08/11	75.29	---	27.67	---	47.62
WCW-11	04/08/11	75.29	---	27.39	---	47.90
WCW-11	04/11/11	75.29	---	27.43	---	47.86
WCW-11	07/07/11	75.29	27.18	27.19	0.01	48.11
WCW-11	10/06/11	75.29	---	27.11	---	48.18
WCW-11	04/16/12	75.29	---	27.56	---	47.73
WCW-11	07/09/12	75.29	---	NM	---	NC
WCW-11	10/15/12	75.29	---	NM	---	NC
WCW-11	04/08/13	75.29	---	26.91	---	48.38

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-11	10/07/13	75.29	---	29.54	---	45.75
WCW-11	04/14/14	75.29	---	29.79	---	45.50
WCW-11	10/27/14	75.29	---	30.61	---	44.68
WCW-11	04/20/15	75.29	---	31.19	---	44.10
WCW-11	10/19/15	75.29	---	32.02	---	43.27
WCW-11	04/11/16	75.29	---	32.67	---	42.62
WCW-11	10/03/16	75.29	---	33.31	---	41.98
WCW-11	10/03/16	75.29	---	33.31	---	41.98
WCW-11	04/17/17	75.29	---	33.65	---	41.64
WCW-11	10/02/17	75.29	---	34.14	---	41.15
WCW-11	04/16/18	75.29	---	34.85	---	40.44
WCW-11	11/05/18	75.29	---	35.51	---	39.78
WCW-11	04/16/19	75.29	---	35.09	---	40.20
WCW-11	10/28/19	75.29	---	35.57	---	39.72
WCW-11	05/04/20	75.29	---	35.65	---	39.64
WCW-11	11/02/20	75.29	---	35.37	---	39.92
WCW-11	05/03/21	75.29	---	35.87	---	39.42
WCW-12	11/20/96	76.27	---	30.89	---	45.38
WCW-12	07/01/97	76.27	---	30.34	---	45.93
WCW-12	12/31/97	76.27	---	30.59	---	45.68
WCW-12	05/01/98	76.27	---	29.31	---	46.96
WCW-12	05/04/99	76.27	---	27.63	---	48.64
WCW-12	08/09/99	76.27	---	27.81	---	48.46
WCW-12	11/15/99	76.27	---	28.20	---	48.07
WCW-12	05/15/00	76.27	---	28.17	---	48.10
WCW-12	11/13/00	76.27	---	28.21	---	48.06
WCW-12	05/07/01	76.27	---	27.79	---	48.48
WCW-12	04/08/02	76.27	---	27.70	---	48.57
WCW-12	10/21/02	76.27	---	28.24	---	48.03
WCW-12	04/07/03	76.27	---	28.23	---	48.04
WCW-12	05/10/04	76.27	---	28.34	---	47.93
WCW-12	11/01/04	76.27	---	28.74	---	47.53
WCW-12	05/02/05	76.27	---	26.61	---	49.66
WCW-12	05/01/06	76.27	---	25.95	---	50.32
WCW-12	12/01/06	76.27	---	26.39	---	49.88
WCW-12	04/30/07	76.27	---	26.39	---	49.88
WCW-12	11/12/07	76.27	---	27.15	---	49.12
WCW-12	04/14/08	76.27	---	27.14	---	49.13
WCW-12	10/16/08	76.27	---	27.93	---	48.34
WCW-12	04/20/09	76.27	---	27.82	---	48.45
WCW-12	10/19/09	76.27	---	28.52	---	47.75
WCW-12	01/12/10	76.27	---	29.04	---	47.23
WCW-12	05/24/10	76.27	---	28.90	---	47.37
WCW-12	05/28/10	76.27	---	28.90	---	47.37
WCW-12	01/08/11	76.27	---	29.16	---	47.11
WCW-12	04/08/11	76.27	---	28.79	---	47.48
WCW-12	04/11/11	76.27	---	28.70	---	47.57
WCW-12	07/07/11	76.27	---	28.60	---	47.67

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-12	10/06/11	76.27	---	28.55	---	47.72
WCW-12	04/16/12	76.27	---	29.05	---	47.22
WCW-12	07/09/12	76.27	---	NM	---	NC
WCW-12	10/15/12	76.27	---	NM	---	NC
WCW-12	04/08/13	76.27	---	29.98	---	46.29
WCW-12	10/07/13	76.27	---	31.13	---	45.14
WCW-12	04/14/14	76.27	---	31.30	---	44.97
WCW-12	10/27/14	76.27	---	32.35	---	43.92
WCW-12	04/20/15	76.27	---	32.62	---	43.65
WCW-12	10/19/15	76.27	---	33.32	---	42.95
WCW-12	04/11/16	76.27	---	34.06	---	42.21
WCW-12	10/03/16	76.27	---	34.60	---	41.67
WCW-12	10/03/16	76.27	---	34.60	---	41.67
WCW-12	04/17/17	76.27	---	35.00	---	41.27
WCW-12	10/02/17	76.27	---	35.22	---	41.05
WCW-12	04/16/18	76.27	---	35.72	---	40.55
WCW-12	11/05/18	76.27	---	36.23	---	40.04
WCW-12	04/16/19	76.27	---	36.12	---	40.15
WCW-12	10/28/19	76.27	---	36.51	---	39.76
WCW-12	05/04/20	76.27	---	36.69	---	39.58
WCW-12	11/02/20	76.27	---	36.60	---	39.67
WCW-12	05/03/21	76.27	---	36.77	---	39.50
WCW-13	11/20/96	77.70	---	32.51	---	45.19
WCW-13	07/01/97	77.70	---	32.44	---	45.26
WCW-13	12/31/97	77.70	---	32.24	---	45.46
WCW-13	05/01/98	77.70	---	30.90	---	46.80
WCW-13	05/04/99	77.70	---	29.39	---	48.31
WCW-13	08/09/99	77.70	---	30.82	---	46.88
WCW-13	11/15/99	77.70	---	29.96	---	47.74
WCW-13	05/15/00	77.70	---	29.83	---	47.87
WCW-13	08/28/00	77.70	---	29.92	---	47.78
WCW-13	11/13/00	77.70	---	29.96	---	47.74
WCW-13	02/05/01	77.70	---	30.15	---	47.55
WCW-13	05/07/01	77.70	---	29.80	---	47.90
WCW-13	09/18/01	77.70	---	29.25	---	48.45
WCW-13	01/29/02	77.70	---	29.40	---	48.30
WCW-13	04/08/02	77.70	---	29.51	---	48.19
WCW-13	07/29/02	77.70	---	29.71	---	47.99
WCW-13	10/21/02	77.70	---	29.94	---	47.76
WCW-13	01/27/03	77.70	---	30.00	---	47.70
WCW-13	04/07/03	77.70	---	30.02	---	47.68
WCW-13	07/31/03	77.70	---	29.80	---	47.90
WCW-13	01/27/04	77.70	---	30.01	---	47.69
WCW-13	05/10/04	77.70	---	30.10	---	47.60
WCW-13	07/19/04	77.70	---	29.22	---	48.48
WCW-13	11/01/04	77.70	---	30.44	---	47.26
WCW-13	02/01/05	77.70	---	30.15	---	47.55
WCW-13	05/02/05	77.70	---	28.35	---	49.35

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-13	08/01/05	77.70	---	27.66	---	50.04
WCW-13	02/27/06	77.70	---	27.46	---	50.24
WCW-13	05/01/06	77.70	---	27.57	---	50.13
WCW-13	09/18/06	77.70	---	27.66	---	50.04
WCW-13	12/01/06	77.70	---	28.10	---	49.60
WCW-13	03/12/07	77.70	---	28.00	---	49.70
WCW-13	04/30/07	77.70	---	28.06	---	49.64
WCW-13	08/28/07	77.70	---	28.31	---	49.39
WCW-13	11/12/07	77.70	---	28.79	---	48.91
WCW-13	02/19/08	77.70	---	28.80	---	48.90
WCW-13	04/14/08	77.70	---	28.78	---	48.92
WCW-13	08/11/08	77.70	---	29.12	---	48.58
WCW-13	10/16/08	77.70	---	29.62	---	48.08
WCW-13	04/20/09	77.70	---	29.61	---	48.09
WCW-13	07/20/09	77.70	---	30.20	---	47.50
WCW-13	10/19/09	77.70	---	30.26	---	47.44
WCW-13	01/12/10	77.70	---	31.56	---	46.14
WCW-13	03/15/10	77.70	---	31.34	---	46.36
WCW-13	05/24/10	77.70	---	30.65	---	47.05
WCW-13	05/28/10	77.70	---	30.68	---	47.02
WCW-13	10/04/10	77.70	---	30.61	---	47.09
WCW-13	01/08/11	77.70	---	31.00	---	46.70
WCW-13	01/10/11	77.70	---	30.96	---	46.74
WCW-13	04/08/11	77.70	---	29.59	---	48.11
WCW-13	04/11/11	77.70	---	30.52	---	47.18
WCW-13	07/07/11	77.70	---	30.42	---	47.28
WCW-13	07/11/11	77.70	---	30.24	---	47.46
WCW-13	10/10/11	77.70	---	30.30	---	47.40
WCW-13	01/09/12	77.70	---	30.24	---	47.46
WCW-13	04/16/12	77.70	---	30.81	---	46.89
WCW-13	07/09/12	77.70	---	31.05	---	46.65
WCW-13	10/15/12	77.70	---	31.38	---	46.32
WCW-13	01/14/13	77.70	---	31.54	---	46.16
WCW-13	04/08/13	77.70	---	31.67	---	46.03
WCW-13	10/07/13	77.70	---	32.66	---	45.04
WCW-13	04/14/14	77.70	---	32.94	---	44.76
WCW-13	10/27/14	77.70	---	33.67	---	44.03
WCW-13	04/20/15	77.70	---	34.10	---	43.60
WCW-13	10/19/15	77.70	---	34.75	---	42.95
WCW-13	04/11/16	77.70	---	35.32	---	42.38
WCW-13	10/03/16	77.70	---	36.03	---	41.67
WCW-13	10/03/16	77.70	---	36.03	---	41.67
WCW-13	04/17/17	77.70	---	36.83	---	40.87
WCW-13	10/02/17	77.70	---	36.64	---	41.06
WCW-13	04/16/18	77.70	---	37.10	---	40.60
WCW-13	11/05/18	77.70	---	37.68	---	40.02
WCW-13	04/16/19	77.70	---	38.03	---	39.67
WCW-13	10/28/19	77.70	---	38.13	---	39.57

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-13	05/04/20	77.70	---	38.41	---	39.29
WCW-13	11/02/20	77.70	---	38.52	---	39.18
WCW-13	05/03/21	77.70	---	38.64	---	39.06
WCW-14	05/03/99	78.81	---	30.67	---	48.14
WCW-14	08/09/99	78.81	---	30.83	---	47.98
WCW-14	11/15/99	78.81	---	31.19	---	47.62
WCW-14	05/15/00	78.81	---	31.02	---	47.79
WCW-14	11/13/00	78.81	---	31.26	---	47.55
WCW-14	05/07/01	78.81	---	30.85	---	47.96
WCW-14	04/08/02	78.81	---	30.71	---	48.10
WCW-14	10/21/02	78.81	---	31.07	---	47.74
WCW-14	04/07/03	78.81	---	31.11	---	47.70
WCW-14	05/10/04	78.81	---	31.29	---	47.52
WCW-14	11/01/04	78.81	---	31.59	---	47.22
WCW-14	05/02/05	78.81	---	29.38	---	49.43
WCW-14	05/01/06	78.81	---	28.59	---	50.22
WCW-14	12/01/06	78.81	---	29.22	---	49.59
WCW-14	04/30/07	78.81	---	29.16	---	49.65
WCW-14	11/12/07	78.81	---	29.90	---	48.91
WCW-14	04/14/08	78.81	---	29.85	---	48.96
WCW-14	10/16/08	78.81	---	30.74	---	48.07
WCW-14	04/20/09	78.81	---	30.83	---	47.98
WCW-14	10/19/09	78.81	---	31.32	---	47.49
WCW-14	01/12/10	78.81	---	32.24	---	46.57
WCW-14	05/24/10	78.81	---	31.87	---	46.94
WCW-14	05/28/10	78.81	---	31.84	---	46.97
WCW-14	01/08/11	78.81	---	32.13	---	46.68
WCW-14	04/08/11	78.81	---	31.57	---	47.24
WCW-14	04/11/11	78.81	---	31.66	---	47.15
WCW-14	07/07/11	78.81	---	31.60	---	47.21
WCW-14	10/06/11	78.81	---	31.57	---	47.24
WCW-14	04/16/12	78.81	---	31.97	---	46.84
WCW-14	07/09/12	78.81	---	NM	---	NC
WCW-14	10/15/12	78.81	---	NM	---	NC
WCW-14	04/08/13	78.81	---	32.71	---	46.10
WCW-14	10/07/13	78.81	---	33.41	---	45.40
WCW-14	04/14/14	78.81	---	34.01	---	44.80
WCW-14	10/27/14	78.81	---	34.67	---	44.14
WCW-14	04/20/15	78.81	---	35.09	---	43.72
WCW-14	10/19/15	78.81	---	35.71	---	43.10
WCW-14	04/11/16	78.81	---	36.22	---	42.59
WCW-14	10/03/16	78.81	---	36.70	---	42.11
WCW-14	10/03/16	78.81	---	36.70	---	42.11
WCW-14	04/17/17	78.81	---	37.40	---	41.41
WCW-14	10/02/17	78.81	---	37.60	---	41.21
WCW-14	04/16/18	78.81	---	37.91	---	40.90
WCW-14	11/05/18	78.81	---	38.68	---	40.13
WCW-14	04/16/19	78.81	---	38.95	---	39.86

Attachment C. Summary of Historical Groundwater Elevations – November 1996 through Third Quarter 2021

Defense Fuel Support Point, Norwalk, California

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Apparent Product Thickness (feet)	Groundwater Elevation (feet amsl)
WCW-14	10/28/19	78.81	---	39.20	---	39.61
WCW-14	05/04/20	78.81	---	39.36	---	39.45
WCW-14	11/02/20	78.81	---	39.44	---	39.37
WCW-14	05/03/21	78.81	---	39.67	---	39.14

Notes:

--- = not detected or applicable

DRY = No measurable water observed in the well.

feet amsl = feet above mean sea level, based on Los Angeles County Datum, 1980

feet btoc = feet below top of casing

NC = not calculated

NM = not measured

Attachment D
Historical Analytical Results for
TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
BW-1	05/24/97	<100	---	<50	---	---	<0.30	<0.50	<0.30	<0.60	100	<5	---	---	---	---
BW-2	05/24/97	<100	---	<50	---	---	<0.30	<0.50	<0.30	1.4	85	<5	---	---	---	---
BW-3	05/24/97	<100	---	300	---	---	<0.30	<0.50	<0.30	<0.60	490	74	---	---	---	---
BW-4	05/28/97	960	---	560	---	---	160	2.4	200	9.2	20	850	---	---	---	---
BW-5	05/28/97	150	---	310	---	---	<0.30	<0.30	5	<0.60	30	1100	---	---	---	---
BW-6	05/29/97	<100	---	690	---	---	3.5	<0.30	3.7	3.7	14	<5	---	---	---	---
BW-7	05/29/97	200	---	510	---	---	0.99	<0.30	<0.30	<0.30	310	9.2	---	---	---	---
BW-8	05/29/97	<100	---	450	---	---	<0.30	<0.30	<0.30	<0.30	39	<5	---	---	---	---
BW-9	05/30/97	<100	---	230	---	---	<0.30	<0.30	<0.30	<0.60	1.4	<5	---	---	---	---
EXP-1	11/27/96	82	---	<500	<500	---	1.4	<0.50	<0.50	2.7	<0.50	<1	---	---	---	---
EXP-1	03/14/97	<100	---	---	---	---	<2	<2	<2	<2	---	---	---	---	---	---
EXP-1	03/14/97	<50	---	<47	---	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
EXP-1	03/14/97	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
EXP-1	07/10/97	<50	---	290	<200	---	<5	<5	<5	<5	<5	<5	---	---	---	---
EXP-1	01/09/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
EXP-1	05/20/98	<300	---	---	---	---	0.5	0.9	<0.50	<1	<0.50	<0.50	---	---	---	---
EXP-1	11/04/98	<300	175	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	05/26/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	08/10/99	<500	---	<1000	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-1	09/23/99	<300	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-1	10/12/99	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-1	11/18/99	<300	<100	---	---	---	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	11/19/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	12/21/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	01/20/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	02/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	03/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	04/20/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	05/18/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	06/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	08/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	11/29/00	<300	<100	---	---	---	0.5	<0.50	<0.50	0.7	<0.50	<0.50	---	---	---	---
EXP-1	02/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	07/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.98	---	---	---	---
EXP-1	09/06/02	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	10/23/02	<300	<100	---	---	---	<0.50	<1	<1	<0.30	<0.50	<5	---	---	---	---
EXP-1	10/24/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	01/29/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-1	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	04/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	10/08/03	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	10/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	01/29/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	04/21/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	07/19/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	07/21/04	200	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---
EXP-1	11/03/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	02/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	08/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	11/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	02/27/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	05/02/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	05/03/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	09/19/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	12/05/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	12/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	03/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	05/02/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	05/02/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	08/29/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	11/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	02/20/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	04/16/08	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/16/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	08/14/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	10/15/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-1	02/24/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	---	---	---
EXP-1	04/20/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	07/20/09	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/19/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/19/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	01/11/10	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	03/15/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/12/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.44 J	<10	<2	<2	<2
EXP-1	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	07/12/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/04/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/04/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	0.45 J	<10	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-1	01/10/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	01/10/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/11/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	07/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	07/11/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/10/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/10/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	01/09/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	01/09/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/16/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	07/09/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	07/09/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/15/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/15/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	01/14/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	01/14/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/08/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/08/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/07/13	<50	---	130	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/07/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	04/14/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/14/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-1	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
EXP-1	10/28/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
EXP-1	04/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<1	<1	<1
EXP-1	04/23/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
EXP-1	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1	<1	<1
EXP-1	10/21/15	<100	---	<100	---	---	0.73	<0.50	<0.50	<1	<0.50	2.2	<10	<2	<2	<2
EXP-1	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1	<10	<1	<1	<1
EXP-1	04/13/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.7	<10	<2	<2	<2
EXP-1	10/07/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<10	<1	<1	<1
EXP-1	10/07/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.7	<10	<2	<2	<2
EXP-1	04/20/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.81	<10	<1	<1	<1
EXP-1	04/20/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-1	10/04/17	<50	---	220 C	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	10/04/17	<100	---	260	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-1	10/25/17	---	---	230	---	---	---	---	---	---	---	---	---	---	---	---
EXP-1	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/17/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-1	11/06/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	11/06/18	<100	---	100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-1	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-1	04/18/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-1	10/29/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-1	10/30/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-1	05/05/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-1	05/07/20	<50	---	64	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-1	10/22/20	<100	---	200	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-1	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-1	05/06/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-1	05/06/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-2	11/27/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<0.10	<0.50	<1	---	---	---	---
EXP-2	03/14/97	<100	---	---	---	---	<2	<2	<2	<2	---	---	---	---	---	---
EXP-2	03/14/97	<50	---	75	---	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
EXP-2	03/14/97	72	---	200	---	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
EXP-2	07/10/97	<50	---	<50	<50	---	<5	<5	<5	<5	<5	<5	---	---	---	---
EXP-2	01/09/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
EXP-2	05/20/98	<300	---	---	---	---	<0.50	0.6	<0.50	<1	<0.50	<0.50	---	---	---	---
EXP-2	11/04/98	<300	<100	---	---	---	<0.50	1.5	1	10	<0.50	<0.50	---	---	---	---
EXP-2	05/07/99	<500	---	<500	---	---	1.6	1.1	<0.50	1.9	<1	1.7	---	---	---	---
EXP-2	05/26/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	---	---	---	---
EXP-2	07/21/99	<50	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.83	---	---	---	---
EXP-2	08/10/99	<500	---	<1000	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-2	09/23/99	<300	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-2	10/12/99	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-2	11/18/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	11/19/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	12/21/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	01/20/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	02/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	03/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	04/20/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	05/16/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	05/18/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	06/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	08/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	02/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	05/09/01	<300	<100	---	---	---	<0.50	0.9	<0.50	0.8	<0.50	<0.50	---	---	---	---
EXP-2	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	07/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	10/23/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-2	10/24/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	01/28/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-2	04/11/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	10/07/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	10/10/03	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	01/29/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	04/22/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	07/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	07/21/04	120	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---
EXP-2	11/04/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	02/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	08/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	11/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	02/28/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	05/03/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	05/03/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	09/19/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	12/06/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	12/06/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	03/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	05/02/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	05/03/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	08/29/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	11/14/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	02/20/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	04/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	04/17/08	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	08/14/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	10/16/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	10/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-2	02/24/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	---	---	---
EXP-2	04/21/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	04/22/09	<50	<100	---	---	---	1.1	0.59	0.67	1.78	<0.50	<0.50	<10	<1	<1	<1
EXP-2	07/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/19/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.1 J	<2	<2	<2
EXP-2	10/19/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	01/11/10	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	03/15/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/12/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	07/12/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/04/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/04/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
EXP-2	01/10/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	01/10/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-2	04/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/11/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	07/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	07/11/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	10/10/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/10/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	01/09/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	01/09/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	04/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/16/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	07/09/12	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	07/09/12	<100	---	---	---	210 b	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	11	<2	<2	<2
EXP-2	10/15/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/15/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	01/14/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	01/14/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	04/08/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/08/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	10/07/13	<50	---	140	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/07/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-2	04/14/14	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/14/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.5 J	<2	<2	<2
EXP-2	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/28/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
EXP-2	04/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/23/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
EXP-2	10/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/22/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
EXP-2	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/12/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-2	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/04/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-2	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/19/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-2	10/02/17	<100	---	150	---	---	1.4	<0.50	5.4	1.8	<0.50	<1	<10	<2	<2	<2
EXP-2	10/03/17	<50	---	<100X	---	---	0.98	<0.50	4.8	1.3	<0.50	<0.50	<10	<1	<1	<1
EXP-2	10/25/17	---	---	140	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-2	04/19/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/19/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-2	11/05/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<10	<1	<1	<1
EXP-2	11/05/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-2	11/06/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-2	04/18/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-2	10/29/19	<50	---	56	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-2	10/29/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-2	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	<10	<1.0	<1.0	<1.0
EXP-2	05/07/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-2	10/22/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	1.2	<10	<2.0	<2.0	<2.0
EXP-2	11/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	<10	<1.0	<1.0	<1.0
EXP-2	05/06/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.60	<10	<1.0	<1.0	<1.0
EXP-2	05/06/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-3	11/27/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1	<0.50	<1	---	---	---	---
EXP-3	03/14/97	<100	---	---	---	---	<2	<2	<2	<2	---	---	---	---	---	---
EXP-3	03/14/97	<50	---	120	---	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
EXP-3	03/14/97	<50	---	250	---	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---
EXP-3	07/10/97	<50	---	<50	<50	---	<5	<5	<5	<5	<5	<5	---	---	---	---
EXP-3	01/09/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
EXP-3	05/20/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
EXP-3	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	05/07/99	---	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.89	---	---	---	---
EXP-3	05/27/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	08/10/99	<500	---	<1000	---	---	4	6.2	<1	3.4	<0.50	<1	---	---	---	---
EXP-3	09/23/99	<300	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-3	10/12/99	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-3	11/18/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	11/19/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	12/21/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	01/20/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	02/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	03/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	04/20/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	05/18/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	06/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	08/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	11/30/00	<300	<100	---	---	---	<0.50	0.5	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	02/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	11/07/01	<300	<100	---	---	---	<0.50	<0.60	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	11/07/01	<300	<100	---	---	---	0.8	0.6	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	04/12/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	07/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	10/22/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1	---	---	---	---
EXP-3	10/23/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-3	01/29/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	04/11/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-3	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	10/07/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	10/10/03	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	01/29/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	04/22/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	07/19/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	07/21/04	120	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---
EXP-3	11/03/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	02/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	08/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	11/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	02/27/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	05/02/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	05/05/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	09/18/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	12/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	12/06/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	03/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	05/04/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	08/30/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	11/15/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	11/16/07	<100	1500	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	02/07/08	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	02/20/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	04/16/08	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	04/16/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	08/14/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	10/14/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-3	10/15/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	02/24/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	---	---	---
EXP-3	04/22/09	<100	---	---	---	<100	<0.50	3.4	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	04/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	07/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	07/20/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	10/19/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	10/19/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	01/11/10	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	03/15/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	04/12/10	---	---	---	---	<100	0.31 J	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	07/12/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/04/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.74	<10	<1	<1	<1
EXP-3	10/04/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	0.68	<10	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-3	01/10/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.73	0.95	<10	<1	<1	<1
EXP-3	01/10/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.64	1	<10	<2	<2	<2
EXP-3	04/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.3	0.99	<10	<1	<1	<1
EXP-3	04/11/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.3	1.1	<10	<2	<2	<2
EXP-3	07/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.61	<0.50	<10	<1	<1	<1
EXP-3	07/12/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.62	0.45 J	<10	<2	<2	<2
EXP-3	10/10/11	<50	140	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/10/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.7 J	<2	<2	<2
EXP-3	01/09/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<10	<1	<1	<1
EXP-3	01/09/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.81	0.63	<10	<2	<2	<2
EXP-3	04/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.58	<0.50	<10	<1	<1	<1
EXP-3	04/16/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.54	0.48 J	<10	<2	<2	<2
EXP-3	07/09/12	<50	---	190	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	07/09/12	<100	---	---	---	250 b	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	9.5 J	<2	<2	<2
EXP-3	08/29/12	---	---	<50	---	---	---	---	---	---	---	---	---	---	---	---
EXP-3	10/15/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/15/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.45 J	<0.50	<10	<2	<2	<2
EXP-3	01/14/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	<10	<1	<1	<1
EXP-3	01/14/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	0.74	0.34 J	<10	<2	<2	<2
EXP-3	04/08/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	04/08/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	10/07/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/07/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	0.36 J	<0.50	<10	<2	<2	<2
EXP-3	04/14/14	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	04/14/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
EXP-3	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.52	<0.50	<10	<1	<1	<1
EXP-3	10/28/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
EXP-3	04/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	04/23/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
EXP-3	10/20/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/20/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
EXP-3	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	04/12/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-3	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/04/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-3	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.53	<0.50	<10	<1	<1	<1
EXP-3	04/18/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-3	10/04/17	<50	---	100 C	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	10/04/17	<100	---	160	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-3	10/25/17	---	---	<100	---	---	---	---	---	---	---	---	---	---	---	---
EXP-3	04/16/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.73	<0.50	<10	<1	<1	<1
EXP-3	04/16/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-3	11/06/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	11/06/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
EXP-3	04/16/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-3	04/16/19	<100	---	120 J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-3	10/29/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	10/31/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-3	05/06/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-3	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	10/21/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-3	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-3	05/04/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
EXP-4	02/03/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<1	<1	<0.50	---	---	---	---
EXP-4	05/06/99	<500	---	<500	---	---	1.3	4.1	<0.50	1.7	<1	<0.50	---	---	---	---
EXP-4	07/21/99	<50	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
EXP-4	08/10/99	<500	---	<1000	---	---	50	80	7.7	44	2.1	4.2	---	---	---	---
EXP-4	09/23/99	<300	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-4	09/23/99	<300	---	---	---	---	<0.50	<1	<1	<1	0.72	1.2	---	---	---	---
EXP-4	10/12/99	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-4	11/19/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.6	---	---	---	---
EXP-4	12/21/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	01/20/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	0.5	<0.50	<0.50	---	---	---	---
EXP-4	02/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	03/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	04/20/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	05/18/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	06/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	08/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	02/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	09/18/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	10/24/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	10/07/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	09/20/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	05/01/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-4	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	07/20/09	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/19/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	05/24/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/17/12	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/08/13	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-4	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/28/14	<50	---	63	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/21/15	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	11/06/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-4	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	05/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-4	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	11/11/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	02/03/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<1	<1	<0.50	---	---	---	---
EXP-5	05/05/99	<500	---	<500	---	---	7.6	3.9	1.4	7.4	<1	140	---	---	---	---
EXP-5	07/21/99	<50	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	11	---	---	---	---
EXP-5	08/10/99	<500	---	<1000	---	---	21	37	4.3	22	<0.50	2.4	---	---	---	---
EXP-5	09/23/99	<300	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-5	10/12/99	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
EXP-5	11/19/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	12/21/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	01/20/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	02/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	03/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	04/20/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	06/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	08/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	02/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	07/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	10/24/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	01/28/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	10/07/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	01/29/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	04/21/04	<50	160	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-5	07/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	11/04/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	02/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	08/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	02/28/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	09/19/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	12/07/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	03/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	05/03/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	08/28/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	11/15/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	02/20/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	08/14/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	10/15/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
EXP-5	02/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	---	---	---
EXP-5	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/19/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	03/15/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/12/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/04/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	01/10/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/11/11	<50	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/10/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	01/09/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	07/09/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	01/14/13	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
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Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
EXP-5	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
EXP-5	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	05/06/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
EXP-5	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GB-21	01/24/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<1	<1	<1
GB-21	01/24/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	140	<1	<1	<1
GB-22	01/21/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<1	<1	<1
GB-22	01/21/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	110	<1	<1	<1
GB-23	01/21/11	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	2400	<1	<1	<1
GB-23	01/21/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<1	<1	<1
GMW-1	11/27/96	---	---	---	---	---	13000	11000	2700	14300	<50	<500	---	---	---	---
GMW-1	07/17/97	68000	---	6900	---	---	10000	5500	2500	11500	<30	<300	---	---	---	---
GMW-1	01/09/98	5800	---	4500	---	---	5600	590	1200	4570	<30	<300	---	---	---	---
GMW-1	05/27/98	19600	---	---	---	---	4360	466	930	2279	<0.50	101	---	---	---	---
GMW-1	11/17/98	4260	32200	---	---	---	950	150	360	320	<50	<50	---	---	---	---
GMW-1	05/05/99	<500	---	<500	---	---	1.9	8.4	0.58	2.9	<1	<0.50	---	---	---	---
GMW-1	11/17/99	23000	25000	---	---	---	4700	440	1100	4040	<5	71	---	---	---	---
GMW-1	05/16/00	14000	16000	---	---	---	3100	40	720	2300	<25	50	---	---	---	---
GMW-1	11/30/00	14000	28000	---	---	---	2700	80	1000	1780	<0.50	33	---	---	---	---
GMW-1	05/09/01	1000	18000	---	---	---	1900	<13	530	468	<13	<13	---	---	---	---
GMW-1	11/06/01	11000	18000	---	---	---	2900	35	1300	280	<0.50	27	---	---	---	---
GMW-1	04/10/02	7600	13000	---	---	---	2000	26	740	295	<10	18	---	---	---	---
GMW-1	10/23/02	830	8400	---	---	---	1300	<5	330	111	<5	17	---	---	---	---
GMW-1	03/11/03	340	390	---	---	---	130	<0.50	30	6.05	<0.50	0.68	---	---	---	---
GMW-1	04/08/03	4500	2100	---	---	---	2200	<10	240	142	<20	25	---	---	---	---
GMW-1	08/01/03	4000	2100	---	---	---	1600	11	360	172	<20	14	---	---	---	---
GMW-1	10/06/03	7400	2500	---	---	---	2200	12	520	196	<20	13	---	---	---	---
GMW-1	01/27/04	4400	2200	---	---	---	1500	5.7	180	200	<10	12	---	---	---	---
GMW-1	04/22/04	9100	5200	---	---	---	3200	<20	270	160	<40	<20	---	---	---	---
GMW-1	07/19/04	6000	1800	---	---	---	2100	<10	90	70	<20	20	---	---	---	---
GMW-1	11/03/04	7900	3700	---	---	---	3500	<10	88	35	<20	18	---	---	---	---
GMW-1	02/02/05	2100	1500	---	---	---	1100	<5	18	29	<10	12	---	---	---	---
GMW-1	05/06/05	<200	320	---	---	---	1.2	<1	<1	<1	<2	<1	---	---	---	---
GMW-1	08/01/05	<500	1100	---	---	---	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
GMW-1	11/02/05	<500	1400	---	---	---	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
GMW-1	02/27/06	<1000	1600	---	---	---	<5	<5	<5	<5	<10	<5	---	---	---	---
GMW-1	05/04/06	<500	1600	---	---	---	4	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
GMW-1	09/18/06	<500	1300	---	---	---	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
GMW-1	12/06/06	<500	4500	---	---	---	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
GMW-1	03/13/07	<1000	2000	---	---	---	<5	<5	<5	<5	<10	<5	---	---	---	---
GMW-1	05/04/07	<50	1500	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-1	08/30/07	520	910	---	---	---	<1.5	<1.5	<1.5	<1.5	<3	<1.5	---	---	---	---
GMW-1	11/14/07	140	430	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-1	02/20/08	<200	690	---	---	---	41	<1	4.9	4.8	<2	<1	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-1	04/16/08	<200	1200	---	---	---	14	<1	<1	<1	<2	<1	---	---	---	---
GMW-1	10/17/08	1600	2900	---	---	---	52	1.6	58	250	<2	<1	---	---	---	---
GMW-1	04/20/09	600	2400	---	---	---	63	1.2	25	15.7	<2	<1	<20	<2	<2	<2
GMW-1	10/22/09	330	1900	---	---	---	1.5	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	05/27/10	900	1900	---	---	---	55	4.9	46	<1	<2	<1	<20	<2	<2	<2
GMW-1	10/07/10	400	<1700	---	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	04/14/11	230	1500	---	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	10/12/11	230	1700	---	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	04/19/12	<200	---	850	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
GMW-1	10/17/12	<500	---	880	---	---	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
GMW-1	04/11/13	<500	---	470	---	---	2.8	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
GMW-1	10/10/13	<200	---	270	---	---	<1	<1	<1	<1	<2	1.7	29	<2	<2	<2
GMW-1	04/16/14	89	---	77	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	11	<1	<1	<1
GMW-1	10/30/14	70	---	130	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.94	<10	<1	<1	<1
GMW-1	04/23/15	58	---	60	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	16	<1	<1	<1
GMW-1	10/23/15	110	---	140	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	13	<1	<1	<1
GMW-1	03/15/16	<50	---	180	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	<10	<1	<1	<1
GMW-1	04/14/16	55	---	70	---	---	<0.50	<0.50	<0.50	7.7	<0.50	2.9	22	<1	<1	<1
GMW-1	06/29/16	<50	---	69	---	---	<0.50	<0.50	<0.50	2.3	<0.50	2.9	16	<1	<1	<1
GMW-1	08/23/16	<50	---	68	---	---	0.09	0.11	0.19	1.4	<0.50	1.8	12	0.12	<1	0.19
GMW-1	10/06/16	57	---	150	---	---	0.56	<0.50	<0.50	2.9	<0.50	2	13	<1	<1	<1
GMW-1	05/11/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<10	<1.0	<1.0	<1.0
GMW-2	11/21/96	---	---	---	---	---	6500	44	700	960	<30	4800	---	---	---	---
GMW-2	07/15/97	350	---	<500	---	---	59	1.2	41	20	<0.50	<5	---	---	---	---
GMW-2	01/08/98	<100	---	<500	---	---	4.1	0.79	1.1	1.1	2.7	220	---	---	---	---
GMW-2	05/27/98	<300	---	---	---	---	<0.50	58	0.8	0.5	<0.50	21	---	---	---	---
GMW-2	11/17/98	<300	<100	---	---	---	0.88	2.1	0.9	4.8	<0.50	4.4	---	---	---	---
GMW-2	05/07/99	<500	---	<500	---	---	8.2	<0.50	<0.50	0.94	<1	42	---	---	---	---
GMW-2	11/17/99	<300	<100	---	---	---	0.7	<0.50	<0.50	<0.50	<0.50	66	---	---	---	---
GMW-2	05/16/00	<300	200	---	---	---	<0.50	<0.50	<0.50	<0.50	0.6	<0.50	---	---	---	---
GMW-2	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1	140	---	---	---	---
GMW-2	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.6	51	---	---	---	---
GMW-2	11/06/01	<300	<100	---	---	---	7.8	<0.50	<0.50	0.7	1.2	140	---	---	---	---
GMW-2	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	240	---	---	---	---
GMW-2	10/23/02	<300	240	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	260	---	---	---	---
GMW-2	10/07/03	91	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	81	---	---	---	---
GMW-2	05/06/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-2	05/09/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	---	---	---	---
GMW-2	05/02/07	160	110	---	---	---	73	<0.50	<0.50	2.3	<1	5.8	---	---	---	---
GMW-2	04/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-2	04/20/09	<50	100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-2	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	11/25/96	---	---	---	---	---	<5	<5	<0.50	<1.5	<5	<50	---	---	---	---
GMW-3	07/11/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---
GMW-3	01/05/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-3	05/26/98	---	---	---	---	---	<0.50	<0.50	<0.50	0.9	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-3	11/11/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	---	---	---	---
GMW-3	05/07/99	<500	---	<500	---	---	1.1	4.4	<0.50	1.9	<1	<0.50	---	---	---	---
GMW-3	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	10/22/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	---	---	---	---
GMW-3	01/29/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.96	---	---	---	---
GMW-3	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	10/06/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	01/27/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	07/19/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	11/02/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	11/03/05	120	710	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	02/27/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	05/02/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	12/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	11/14/07	<200	1800	---	---	---	<1	<1	<1	<1	<2	<1	---	---	---	---
GMW-3	04/16/08	<100	220	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-3	04/16/08	<100	750	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-3	10/14/08	<50	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-3	04/20/09	<50	<100	---	---	---	0.63	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	06/14/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<10	<1	<1	<1
GMW-3	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	04/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-3	10/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-4	07/15/97	1300	---	2100	---	---	38	<0.50	35	45	<0.50	<5	---	---	---	---
GMW-4	01/08/98	380	---	530	---	---	14	1.2	12	18.8	1.6	<5	---	---	---	---
GMW-4	05/26/98	2300	---	---	---	---	42	<0.30	69	87	<2.5	<2.5	---	---	---	---
GMW-4	11/18/99	1600	4100	---	---	---	67	<0.50	51	24.1	<0.50	<0.50	---	---	---	---
GMW-4	05/19/00	2500	3400	---	---	---	48	0.5	29	36.9	<0.50	<0.50	---	---	---	---
GMW-4	04/10/03	500	1100	---	---	---	8	<0.50	8.2	26	<0.50	<0.50	---	---	---	---
GMW-4	05/04/07	2000	13000	---	---	---	110	<1	27	12.1	<2	<1	---	---	---	---

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-4	04/16/08	16000	14000	---	---	---	270	<2.5	110	157	<2.5	<2.5	<50	<10	<10	<10
GMW-4	04/17/08	4400	40000	---	---	---	290	<5	89	102	<10	<5	---	---	---	---
GMW-4	11/21/08	4900	16000	---	---	---	260	<2.5	45	27.9	<5	<2.5	---	---	---	---
GMW-4	04/23/09	2500	9500	---	---	---	120	<0.50	12	8.6	<1	3.9	<10	<1	<1	<1
GMW-4	05/27/10	2200	6100	---	---	---	170	1.1	6.3	10	<2	<1	<20	<2	<2	<2
GMW-4	10/05/10	1300	<15000	---	---	---	8.2	<1	2.8	2.2	<2	3.2	22	<2	<2	<2
GMW-4	04/14/11	2800	24000	---	---	---	130	<1	2	3.4	<2	<1	<20	<2	<2	<2
GMW-4	10/12/11	1200	4200	---	---	---	62	<1	1.4	<1	<2	3.8	<20	<2	<2	<2
GMW-4	04/20/12	4600	---	25000	---	---	170	<10	<10	<10	<20	<10	<200	<20	<20	<20
GMW-4	10/19/12	1300	---	8100	---	---	36	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
GMW-4	04/12/13	2100	---	8000	---	---	56	<4	<4	<4	<8	<4	<80	<8	<8	<8
GMW-4	10/11/13	1800	---	2400	---	---	24	<0.50	1.1	1.7	<1	2.2	<10	<1	<1	<1
GMW-5	11/27/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1	---	---	---	---	---	---
GMW-5	07/11/97	<50	---	<50	<50	---	<0.50	<1	<1	<2	---	---	---	---	---	---
GMW-5	01/06/98	<500	---	<100	<100	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-5	05/18/98	---	---	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-5	11/04/98	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-5	05/27/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-5	11/18/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-5	05/16/00	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-5	11/29/00	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-5	05/09/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-5	11/07/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-5	04/10/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-5	10/08/13	<100	---	120 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-5	04/15/14	<100	---	<95	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-5	10/27/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-5	04/21/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-6	11/27/96	5300	---	<500	<500	---	330	<12	320	300	---	---	---	---	---	---
GMW-6	07/09/97	<50	---	<50	<50	---	2.7	<1	1.4	<2	<5	---	---	---	---	---
GMW-6	01/07/98	<500	---	<100	<100	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-6	05/21/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-6	11/05/98	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-6	05/27/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-6	11/18/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-6	05/16/00	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-6	11/29/00	<300	550	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-6	05/09/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-6	11/07/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-6	04/10/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-6	10/23/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	04/10/03	---	<100	---	---	---	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-6	10/08/03	---	130	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	04/22/04	---	<100	---	---	---	0.41	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	11/06/04	---	4100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	05/06/05	---	<100	---	---	---	<0.30	0.46	<0.30	<0.30	---	<5	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-6	11/08/05	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	05/03/06	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-6	12/08/06	---	<100	---	---	---	<0.50	<0.50	<0.50	1.3	---	<5	---	---	---	---
GMW-6	05/02/07	---	<100	---	---	---	0.58	0.54	<0.50	<1	---	<5	---	---	---	---
GMW-6	08/31/07	3400	1100	---	---	---	400	96	45	188	<0.50	<0.50	<10	<2	<2	<2
GMW-6	11/14/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-6	11/15/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	04/16/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-6	10/15/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
GMW-6	04/21/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	43	---	---	---	---
GMW-6	07/21/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	10/20/09	---	---	---	---	110	1.5	<0.50	<0.50	<0.50	<0.50	350	<10	<2	<2	0.51 J
GMW-6	04/12/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	7.2	<10	<2	<2	<2
GMW-6	10/05/10	---	---	---	---	170	0.35 J	---	---	---	<0.50	130	210	---	---	---
GMW-6	02/24/11	<50	120	---	---	---	0.53	<0.50	<0.50	<0.50	<0.50	9.6	120	<1	<1	<1
GMW-6	04/13/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	10/10/11	---	---	---	---	290	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	220	<2	<2	<2
GMW-6	04/19/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.34 J	<10	<2	<2	<2
GMW-6	10/15/12	---	---	---	---	<100	<0.50	<0.50	0.17 J	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	04/10/13	---	---	110 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.44 J	<10	<2	<2	<2
GMW-6	10/08/13	<100	---	250 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	57	<2	<2	<2
GMW-6	04/15/14	<100	---	<95	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-6	10/27/14	<100	---	140	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-6	04/28/15	<100	---	<100	---	---	1.2	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-6	10/22/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-6	04/12/16	<100	---	<100	---	---	0.89	<0.50	2.3	7.6	<0.50	<1	<10	<2	<2	<2
GMW-6	10/07/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-6	04/18/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-6	10/03/17	<100	---	270	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-6	04/17/18	<100	---	190	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-6	11/09/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-6	04/16/19	<100	---	<100J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-6	10/29/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-6	05/05/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-6	10/21/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-6	05/05/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-7	05/21/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-7	12/01/00	520000	370000	---	---	---	4800	970	620	12000	---	<2500	---	---	---	---
GMW-7	04/30/15	610	---	28000	---	---	8.1	<0.50	<0.50	<1	<0.50	<2	15	<2	<2	<2
GMW-7	10/11/16	560	---	2000	---	---	7.5	<0.50	<0.50	<1	<0.50	1.4	47	<2	<2	<2
GMW-7	10/10/17	240	---	1400	---	---	2.2	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-7	04/20/18	150	---	4800 J	---	---	1.6	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-7	11/12/18	410	---	5600	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-7	04/22/19	150	---	3900	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	31	<2	<2	<2
GMW-7	11/06/19	230	---	5000	---	---	5.1	<0.50	<0.50	<1.0	<0.50	<1.2	27	<2.0	<2.0	<2.0
GMW-7	05/11/20	360	---	5100	---	---	9.1	<0.50	0.51	<1.0	<0.50	1.3	<10	<2.0	<2.0	<2.0

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-7	10/26/20	530	---	2300	---	---	150 J	0.54 J	1.3 J	<1.0	<0.50	1.8	<10	<2.0	<2.0	<2.0
GMW-7	05/12/21	710	---	4700	---	---	100	<1.0	2.5	<2.0	<1.0	<2.4	<20	<4.0	<4.0	<4.0
GMW-8	11/21/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	12	<5	---	---	---	---
GMW-8	07/11/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	1.7	<5	---	---	---	---
GMW-8	01/02/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	5	<5	---	---	---	---
GMW-8	05/26/98	---	---	---	---	---	<0.30	<0.30	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-8	11/06/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	8.6	<0.90	---	---	---	---
GMW-8	05/05/99	<500	---	<500	---	---	2	7.2	0.57	3	<1	<0.50	---	---	---	---
GMW-8	05/07/99	<500	---	<500	---	---	<0.50	1.7	<0.50	0.51	4.4	<0.50	---	---	---	---
GMW-8	11/16/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4.6	<0.50	---	---	---	---
GMW-8	05/19/00	<300	380	---	---	---	<0.50	<0.50	<0.50	<0.50	15	<0.50	---	---	---	---
GMW-8	11/29/00	<300	780	---	---	---	1	0.9	<0.50	1.5	10	2.9	---	---	---	---
GMW-8	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.5	2.4	---	---	---	---
GMW-8	10/24/02	<300	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	04/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	---	---	---	---
GMW-8	10/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.52	<0.50	---	---	---	---
GMW-8	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	11/05/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	11/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	05/03/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.78	---	---	---	---
GMW-8	12/07/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	7.6	---	---	---	---
GMW-8	05/05/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	6.5	---	---	---	---
GMW-8	11/14/07	<50	130	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	04/17/08	<50	130	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	10/21/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-8	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	10/19/09	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1	<1	<1
GMW-8	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	06/14/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.4	0.59	<10	<1	<1	<1
GMW-8	04/15/14	<100	---	93	---	---	<0.50	<0.50	<0.50	<0.50	3.5	0.8	<10	<1	<1	<1
GMW-8	10/29/14	<100	---	65	---	---	<0.50	<0.50	<0.50	<0.50	3.3	1.1	<10	<1	<1	<1
GMW-8	04/22/15	<50	---	60	---	---	<0.50	<0.50	<0.50	<0.50	3.3	1.7	<10	<1	<1	<1
GMW-8	10/22/15	<50	---	110	---	---	<0.50	<0.50	<0.50	<0.50	4.6	1.5	<10	<1	<1	<1
GMW-8	04/15/16	<50	---	230	---	---	<0.50	<0.50	<0.50	<0.50	4.3	1.4	<10	<1	<1	<1
GMW-8	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.9	0.55	<10	<1	<1	<1
GMW-8	04/18/17	<50	---	170	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	10/05/17	<50	---	270 L	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	04/19/18	<50	---	180	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	11/08/18	<50	---	160	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	04/19/19	<50	---	140	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-8	10/29/19	<50	---	120	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-8	05/12/20	<50	---	110	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-8	06/10/20	<50	---	160	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-8	11/05/20	<50	---	100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-8	05/06/21	<50	---	160	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-9	10/07/10	6800	7200	---	---	---	890	62	120	650	<10	56	1600	44	<10	<10
GMW-9	04/13/11	54000	21000	---	---	---	20000	290	970	3800	<200	3600	<2000	<200	<200	<200
GMW-9	10/13/11	61000	7600	---	---	---	18000	6500	760	3400	<200	2100	<2000	<200	<200	<200
GMW-9	08/23/16	94	---	1700	---	---	0.71	<0.50	<0.50	3.4	<0.50	2.3	80	4.7	<1	<1
GMW-9	10/06/16	67	---	140	---	---	4.6	<0.50	<0.50	<0.50	0.64	0.84	110	13	<1	<1
GMW-9	04/21/17	750	---	760	---	---	9.2	0.98	0.71	20	<1	1.9	18	5.5	<1	<1
GMW-9	10/05/17	<50	---	100	---	---	<0.50	<0.50	<0.50	<0.50	0.56	0.62	83	4.7	<1	<1
GMW-9	05/15/18	<50	---	290	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	34	4.4	<1	<1
GMW-9	11/08/18	<50	---	53	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	40	3.1	<1	<1
GMW-9	04/23/19	290	---	59	---	---	<0.50	<0.50	<0.50	2.1	<0.50	0.72	4900	<1	<1	<1
GMW-9	11/01/19	<50	---	340	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<10	<1.0	<1.0	<1.0
GMW-9	05/11/20	<50	---	160	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	<10	<1.0	<1.0	<1.0
GMW-9	11/06/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-9	05/06/21	<50	---	83	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-10	10/08/10	4800	36000	---	---	---	360	<2.5	87	14	<5	<2.5	120	<5	<5	<5
GMW-10	04/14/11	5700	31000	---	---	---	370	2	93	7.9	<3	<1.5	100	<3	<3	<3
GMW-10	10/14/11	3700	11000	---	---	---	580	3.3	75	7.8	<5	<2.5	590	<5	<5	<5
GMW-10	04/27/12	3000	---	3100	---	---	360	<2	15	3.2	<4	<2	79	<4	<4	<4
GMW-10	10/19/12	10000	---	7500	---	---	1300	380	270	1400	<10	<5	<100	<10	<10	<10
GMW-10	04/12/13	14000	---	100000	---	---	210	65	48	310	<20	<10	<200	<20	<20	<20
GMW-10	10/11/13	13000	---	9500	---	---	1100	800	350	1900	<20	<10	<200	<20	<20	<20
GMW-10	10/28/15	27000	---	41000	---	---	1100	2400	730	3800	<20	<10	<200	<20	<20	<20
GMW-10	02/24/21	<500	---	39000	---	---	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<50	<5.0	<5.0	<5.0
GMW-10	05/06/21	<500	---	19000	---	---	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<50	<5.0	<5.0	<5.0
GMW-10	08/31/21	200	---	15000	---	---	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<20	<2.0	<2.0	<2.0
GMW-11	11/21/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-11	07/10/97	220	---	2500	---	---	<0.50	4	0.9	<0.50	<0.50	<5	---	---	---	---
GMW-11	01/07/98	4000	---	220000	---	---	<0.50	<0.50	<0.50	1.6	<0.50	<5	---	---	---	---
GMW-11	05/20/98	42400	---	---	---	---	<0.30	<0.30	<25	<50	<2.5	<0.50	---	---	---	---
GMW-11	11/17/98	6230	146000	---	---	---	<5	6	<5	11	<5	24	---	---	---	---
GMW-11	05/07/99	1900	---	1900	---	---	0.61	2.1	<0.50	0.62	<1	<0.50	---	---	---	---
GMW-11	11/16/99	1200	25000	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-11	05/19/00	790	1900	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-11	11/30/00	1600	4100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-11	05/10/01	<300	670	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-11	11/07/01	<300	560	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-11	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-11	04/15/16	<100	---	440	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-12	11/27/96	99	---	<500	<500	---	<0.50	<0.50	<0.50	<1	<0.50	<1	---	---	---	---
GMW-12	07/10/97	110	---	8600	<7500	---	<5	<5	<5	<5	<5	<5	---	---	---	---
GMW-12	01/06/98	<500	---	1000	<100	---	<0.50	1.6	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-12	05/21/98	<300	---	---	---	---	<0.30	<0.30	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-12	11/05/98	<300	433	---	---	---	4.5	<0.50	3	1.7	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-12	05/27/99	<300	937	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-12	11/18/99	<300	4900	---	---	---	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-12	05/17/00	<300	2200	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-12	11/30/00	<300	1400	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-12	05/09/01	<300	2100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-12	11/07/01	<300	2700	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-12	04/11/02	<300	1900	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-12	10/23/02	<300	1700	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
GMW-12	04/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-12	04/14/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-12	10/10/03	<100	2900	---	---	---	<0.50	<0.50	0.56	<0.50	<0.50	<0.50	---	---	---	---
GMW-12	04/21/04	<100	2000	---	---	---	<0.50	<0.50	<0.50	0.62	<0.50	<0.50	<10	<2	<2	<2
GMW-12	11/04/04	<100	2600	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	05/06/05	<100	1400	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	11/08/05	<100	270	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	05/04/06	<100	450	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	12/08/06	<100	150	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	05/04/07	<100	440	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	11/16/07	---	150	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/18/08	<100	480	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/16/08	<100	---	---	---	310	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/23/09	<100	---	---	---	630	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/20/09	<100	---	---	---	480	<0.50	<0.50	<0.50	<0.50	<0.50	0.49 J	<10	<2	<2	<2
GMW-12	04/15/10	---	---	---	---	400	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<2	<2	<2
GMW-12	10/08/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	3.6 J	---	---	---
GMW-12	04/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/10/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/15/12	---	---	---	---	280 b	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/09/13	---	---	650 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/08/13	<100	---	700 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	04/16/14	<100	---	1200 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-12	10/29/14	<100	---	1100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-12	04/28/15	<100	---	960	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-12	10/10/16	<100	---	1400	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-12	04/21/17	<100	---	150	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-12	10/04/17	<100	---	1100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-12	04/23/18	<100	---	1000	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-12	11/12/18	<100	---	1100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-12	04/19/19	<100	---	780	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-12	10/30/19	<100	---	600	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-12	05/08/20	<100	---	190	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-12	10/22/20	<100	---	190	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-12	05/06/21	<100	---	400	---	---	0.72	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-13	11/21/96	---	---	---	---	---	3.2	<0.50	0.73	1.2	<0.50	<5	---	---	---	---
GMW-13	07/10/97	1300	---	5600	---	---	1.6	3.5	0.93	2.35	<0.50	<5	---	---	---	---

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-13	01/08/98	<100	---	<500	---	---	1.9	1.6	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-13	05/20/98	<300	---	---	---	---	<0.30	<0.30	<25	0.8	<2.5	<0.50	---	---	---	---
GMW-13	11/12/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	05/07/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-13	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	---	---	---	---
GMW-13	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	02/01/02	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	10/22/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1	---	---	---	---
GMW-13	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	---	---	---	---
GMW-13	10/06/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	11/02/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	05/02/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	12/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	11/14/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	04/16/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	10/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-13	04/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/19/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/23/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	23	9.5	<10	3.8	<2	<2
GMW-13	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/13/11	---	---	---	---	130	---	---	---	---	---	---	---	---	---	---
GMW-13	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	04/18/18	<50	---	88	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-13	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-13	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-13	05/08/20	<50	---	74	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-13	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-13	05/04/21	<50	---	51	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-14	05/07/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-14	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	05/16/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	10/07/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	04/22/04	59	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	11/02/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	05/06/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	03/08/06	520	2000	---	---	---	2.6	<0.50	<0.50	<0.50	0.64	4	21	<2	<2	<2
GMW-14	05/02/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	12/07/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-14	11/14/07	1500	2100	---	---	---	<2.5	<2.5	34	3	<5	<2.5	---	---	---	---
GMW-14	04/16/08	440	850	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-14	07/29/08	210	810	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	18	<2	<2	<2
GMW-14	10/17/08	210	420	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-14	04/23/09	120	580	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	10/22/09	130	740	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10	<1	<1	<1
GMW-14	04/16/10	---	---	---	---	1500	160	<0.50	2.6	2.95	<0.50	13	15	<2	<2	0.79 J
GMW-14	10/07/10	160	<620	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-14	04/13/11	<100	310	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-14	10/12/11	58	600	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	04/19/12	<50	---	130	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	10/17/12	<50	---	150	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	04/11/13	<50	---	110	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	10/10/13	<50	---	110	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	16	<1	<1	<1
GMW-14	10/30/14	<100	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.83	17	<1	<1	<1
GMW-14R	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<10	<1	<1	<1
GMW-14R	10/05/17	<50	---	71	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14R	04/19/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<10	<1	<1	<1
GMW-14R	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14R	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-14R	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-14R	05/11/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-14R	11/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-14R	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-14R	05/10/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-15	05/20/98	1300	---	---	---	---	3.9	<0.30	7.4	6.4	---	---	---	---	---	---
GMW-15	11/05/98	512	1170	---	---	---	1.8	<0.30	3.7	1	---	---	---	---	---	---
GMW-15	05/27/99	634	18600	---	---	---	2.5	<0.30	5.3	2	---	---	---	---	---	---
GMW-15	11/18/99	<300	3400	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-15	05/16/00	610	11000	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-15	12/01/00	450	4000	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-15	05/10/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-15	11/07/01	<300	13000	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-15	04/10/02	1900	18000	---	---	---	1.2	<0.30	1.6	3.8	---	<5	---	---	---	---
GMW-15	10/23/02	840	16000	---	---	---	0.58	<0.30	0.72	1.5	---	<5	---	---	---	---
GMW-15	04/10/03	---	5060	---	---	---	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-15	10/08/03	---	11000	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-15	04/22/04	---	4200	---	---	---	0.7	<0.30	<0.30	0.47	---	<5	---	---	---	---
GMW-15	11/06/04	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-15	05/06/05	---	670	---	---	---	<0.30	0.47	<0.30	<0.30	---	<5	---	---	---	---
GMW-15	11/08/05	---	200	---	---	---	<0.30	0.31	<0.30	<0.30	---	<5	---	---	---	---
GMW-15	05/03/06	---	330	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-15	12/08/06	---	160	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-15	05/02/07	---	710	---	---	---	<0.50	<0.50	<0.50	1.2	---	<5	---	---	---	---
GMW-15	05/02/07	---	740	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-15	11/14/07	---	890	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-15	04/16/08	---	1400	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-15	10/15/08	---	---	---	---	1400	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	04/21/09	180	---	---	---	3600	<0.50	<0.50	<0.50	<0.50	---	5.4	---	---	---	---
GMW-15	10/20/09	---	---	---	---	4900	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	4.5 J	<2	<2	<2
GMW-15	04/15/10	---	---	---	---	760	<0.50	<0.50	<0.50	<0.50	---	5.7	<10	<2	<2	<2
GMW-15	10/05/10	---	---	---	---	230	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-15	04/14/11	---	---	---	---	210	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	10/10/11	---	---	---	---	170	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	04/19/12	---	---	---	---	1600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	10/15/12	---	---	---	---	460 b	<0.50	<0.50	<0.50	<0.50	<0.50	12	<10	<2	<2	<2
GMW-15	04/10/13	---	---	6200 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
GMW-15	10/08/13	350 HD	---	4600 HD	---	---	<0.50	<0.50	0.19 J	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	04/16/14	250 HD	---	2700 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-15	10/30/14	<100	---	1900	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-15	04/28/15	<100	---	1500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-15	10/23/15	<100	---	1300	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-15	04/14/16	<100	---	3700	---	---	0.56	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-15	10/10/16	<100	---	2400	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-15	04/21/17	<100	---	1600	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-15	10/05/17	<100	---	2000	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-15	04/20/18	<100	---	3400 J	---	---	0.97	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-15	11/12/18	<100	---	4200	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-15	04/19/19	<100	---	2200	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-15	11/06/19	<100	---	1800	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-15	05/11/20	<100	---	220	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-15	10/23/20	<100J	---	720	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-15	05/07/21	<100	---	170	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-16	11/21/96	<38	---	<500	<500	---	<0.50	<0.50	0.8	<1.5	<0.50	---	---	---	---	---
GMW-16	07/09/97	<50	---	110	<50	---	5.7	<5	9.2	7.5	<5	<5	---	---	---	---
GMW-16	01/06/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-16	05/20/98	<300	---	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-16	11/04/98	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-16	05/27/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-16	11/18/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-16	05/16/00	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-16	11/29/00	<300	140	---	---	---	0.64	1.2	0.85	3.2	---	<5	---	---	---	---
GMW-16	05/10/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-16	11/07/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	9.1	---	---	---	---
GMW-16	04/10/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-16	10/23/02	<300	110	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-16	04/11/03	---	<100	---	---	---	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-16	10/08/03	---	310	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-16	04/22/04	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-16	11/06/04	---	<100	---	---	---	<0.30	<0.30	<0.30	0.59	---	<5	---	---	---	---
GMW-16	05/06/05	---	<100	---	---	---	<0.30	0.58	<0.30	<0.30	---	<5	---	---	---	---
GMW-16	11/08/05	---	<100	---	---	---	<0.30	0.48	<0.30	<0.30	---	<5	---	---	---	---
GMW-16	05/03/06	---	100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-16	12/06/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-16	05/02/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-16	11/14/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-16	04/16/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-16	10/15/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/21/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---
GMW-16	10/20/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/12/10	---	---	---	---	110	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<2	<2	<2
GMW-16	10/05/10	---	---	---	---	100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-16	10/10/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/18/12	---	---	---	---	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	10/15/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/10/13	---	---	190 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	10/08/13	<100	---	250 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	04/14/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-16	10/27/14	<100	---	190	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-16	04/24/15	<100	---	180	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-16	04/19/17	<100	---	660	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-16	10/05/17	<100	---	370	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-16	04/18/18	<100	---	290	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-16	11/09/18	<100	---	170	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-16	04/18/19	<100	---	360	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-16	11/05/19	<100	---	210	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-16	05/07/20	<100	---	110	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-16	10/21/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-16	05/07/21	<100	---	240	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-17	05/10/01	6800	1500000	---	---	---	52	25	<15	330	---	<250	---	---	---	---
GMW-17	10/24/02	49000	170000	---	---	---	91	<30	<30	160	---	<500	---	---	---	---
GMW-17	04/14/03	---	10100	---	---	---	572	5.55	75.1	367	---	<15	---	---	---	---
GMW-17	10/10/03	---	8700	---	---	---	240	1.5	9.5	41	---	<10	---	---	---	---
GMW-17	04/22/04	---	2400	---	---	---	540	4.6	24	190	---	63	---	---	---	---
GMW-17	11/06/04	---	3000	---	---	---	110	<0.30	2.1	6.1	---	19	---	---	---	---
GMW-17	05/10/05	---	760	---	---	---	7.9	3.6	<1.5	2.6	---	<25	---	---	---	---
GMW-17	11/08/05	---	290	---	---	---	3.7	<0.30	0.37	1.9	---	7	---	---	---	---
GMW-17	05/05/06	---	1200	---	---	---	3.7	2.2	1.6	4.5	---	<5	---	---	---	---
GMW-17	12/08/06	---	1400	---	---	---	34	<0.50	1.9	30	---	<5	---	---	---	---
GMW-17	05/03/07	---	12000	---	---	---	9.1	<0.50	0.92	9	---	7.7	---	---	---	---
GMW-17	11/14/07	---	1200	---	---	---	4.8	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-17	04/18/08	---	<100	---	---	---	5.3	<0.50	0.62	1.4	---	<5	---	---	---	---
GMW-17	10/17/08	---	---	---	---	1600	2.6	<0.50	0.57	<0.50	<0.50	<10	<2	<2	<2	<2
GMW-17	04/22/09	450	---	---	---	760	27	<0.50	2.4	<0.50	---	<0.50	---	<0.50	<0.50	<0.50
GMW-17	10/20/09	---	---	---	---	2400	0.42 J	<0.50	<0.50	<0.50	<0.50	<0.50	9.5 J	<2	<2	<2
GMW-17	04/14/10	1200	---	---	---	1900	59	0.34 J	5.5	2	---	<0.50	<10	<2	<2	<2
GMW-17	10/05/10	1200	---	---	---	2000	79	---	---	---	<0.50	<0.50	5.2 J	---	---	---
GMW-17	04/15/11	750	---	---	---	1200	13	0.55	4.6	0.82	<0.50	<0.50	<10	<2	<2	<2
GMW-17	10/10/11	<1100	---	---	---	1100	50	<0.77	28	6.47	<0.50	<0.50	<10	<2	<2	<2
GMW-17	04/20/12	610	---	---	---	2100	1.2	<0.50	0.18 J	0.71 J	<0.50	<0.50	29	<2	<2	<2
GMW-17	04/12/13	1000 b	---	6700	---	---	55	1.1	1.2	13.7	<0.50	<0.50	31	<2	<2	<2
GMW-17	10/09/13	680 HD	---	4200 HD	---	---	16	1.2	1.7	11.6	<0.50	0.48 J	30	<2	<2	<2
GMW-17	04/18/14	1400 HD	---	5700 HD	---	---	38	1.9	2.3	21.1	<0.50	0.42 J	48	<2	<2	<2
GMW-17	10/31/14	510	---	2300	---	---	10	1.5	<0.50	2.7	<0.50	<2	30	<2	<2	<2
GMW-17R	10/09/17	640	---	1200	---	---	64	<0.50	5	2.9	<0.50	2.5	19	<2	<2	<2
GMW-17R	04/20/18	550	---	1600 J	---	---	63	0.69	0.78	19	<0.50	3.7	<10	<2	<2	<2
GMW-17R	11/12/18	1300	---	1600	---	---	46	<0.50	1.4	41	<0.50	2.6	<10	<2	<2	<2
GMW-17R	04/19/19	<100	---	220	---	---	<0.50	<0.50	2.7	15	<0.50	<1	<10	<2	<2	<2
GMW-17R	10/31/19	<100	---	<100	---	---	1.3	<0.50	4.7	18.2	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-17R	05/07/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-17R	10/20/20	<100J	---	<100J	---	---	<0.50J	<0.50J	<0.50J	<1.0J	<0.50J	<1.2J	<10J	<2.0J	<2.0J	<2.0J
GMW-17R	05/04/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-18	04/14/03	---	16500000	---	---	---	3410	3510	3070	17800	---	<150	---	---	---	---
GMW-18	10/08/03	---	170000	---	---	---	2600	120	360	3100	---	<1000	---	---	---	---
GMW-18	04/21/04	---	45000	---	---	---	2700	<50	380	4288	---	<50	---	---	---	---
GMW-18	11/04/04	---	51000	---	---	---	1300	<3	220	2400	---	<50	---	---	---	---
GMW-18	05/06/05	---	5900	---	---	---	1100	22	140	1200	---	<50	---	---	---	---
GMW-18	11/08/05	---	17000	---	---	---	650	11	17	470	---	<100	---	---	---	---
GMW-18	05/04/06	---	19000	---	---	---	200	1.9	15	100	---	6.9	---	---	---	---
GMW-18	12/08/06	---	6800	---	---	---	320	<0.50	25	190	---	11	---	---	---	---
GMW-18	05/03/07	---	10000	---	---	---	200	<2.5	13	56	---	<25	---	---	---	---
GMW-18	11/15/07	---	1900	---	---	---	160	<0.50	4.1	26	---	5.5	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-18	04/17/08	---	3400	---	---	---	180	0.87	13	100	---	6.7	---	---	---	---
GMW-18	10/16/08	---	---	---	---	2800	33	<0.50	2.2	10.64	<0.50	4.7	12	<2	<2	<2
GMW-18	04/23/09	880	---	---	---	1100	60	<0.50	1.4	5	<0.50	3	13	<2	<2	<2
GMW-18	10/20/09	---	---	---	---	2700	15	<0.50	0.55	5.55	<0.50	7	13	<2	<2	<2
GMW-18	04/16/10	1500	---	---	---	7200	80	0.84	0.49 J	1.57	---	7.3	43	<2	<2	<2
GMW-18	04/20/12	2100	---	---	---	4700	67	0.4 J	1.1	5.89	1.7	3.5	57	<2	<2	<2
GMW-18	07/10/12	---	---	---	---	7800	94	0.42 J	0.94	3.89	<0.50	3.9	27	<2	<2	<2
GMW-18	11/03/14	15000	---	230000	---	---	110	0.93	120	340	<0.50	4.2	<10	<2	<2	<2
GMW-18	04/21/15	4300	---	300000	---	---	290	<5	75	270	<5	<20	<100	<20	<20	<20
GMW-18	05/10/19	<100	---	1200	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-18	05/11/20	<100	---	1600	---	---	<0.50	<0.50	0.55	1.9	<0.50	<1.2	11	<2.0	<2.0	<2.0
GMW-18	10/26/20	120	---	380	---	---	1.7	<0.50J	<0.50J	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-18	05/07/21	<100	---	220	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-19	11/27/96	3000	---	<500	<500	---	85	<2.5	23	<5	---	---	---	---	---	---
GMW-19	07/10/97	<50	---	<50	<50	---	2.5	<1	<1	<2	---	---	---	---	---	---
GMW-19	01/07/98	<500	---	<100	<100	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-19	05/21/98	<300	---	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-19	11/06/98	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-19	05/27/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-19	11/18/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-19	05/17/00	<300	<100	---	---	---	0.47	0.45	<0.30	0.95	---	---	---	---	---	---
GMW-19	12/01/00	<300	440	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-19	05/09/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-19	11/08/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-19	04/11/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-19	10/23/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-19	04/14/03	---	<100	---	---	---	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-19	10/10/03	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	15	---	---	---	---
GMW-19	04/21/04	---	260	---	---	---	<0.50	<1	<1	<1	---	28	---	---	---	---
GMW-19	11/04/04	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-19	05/06/05	---	<100	---	---	---	<0.30	<0.30	<0.30	0.69	---	<5	---	---	---	---
GMW-19	11/08/05	---	<100	---	---	---	0.52	0.71	0.4	2	---	<5	---	---	---	---
GMW-19	05/04/06	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-19	12/08/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-19	05/03/07	---	210	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-19	11/15/07	---	<100	---	---	---	0.5	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-19	04/17/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-19	10/16/08	---	---	---	---	140	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-19	04/23/09	---	---	---	---	<100	0.7	<0.50	<0.50	<0.50	---	0.67	---	<0.50	<0.50	<0.50
GMW-19	10/20/09	---	---	---	---	<100	3.8	<0.50	<0.50	<0.50	<0.50	1.5	<10	<2	<2	<2
GMW-19	04/16/10	---	---	---	---	300	130	<0.50	0.66	<0.50	---	21	12	<2	<2	0.52 J
GMW-19	10/08/10	---	---	---	---	150	2.4	---	---	---	<0.50	2.7	<10	---	---	---
GMW-19	10/10/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-19	04/18/12	---	---	---	---	<100	3.8	<0.50	<0.50	<0.50	<0.50	0.88	<10	<2	<2	<2
GMW-19	10/15/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
GMW-19	04/10/13	---	---	1200 b	---	---	35	0.38 J	<0.50	0.35 J	<0.50	58	22	<2	<2	<2

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-19	10/07/13	<100	---	<100	---	---	0.81	<0.50	<0.50	<0.50	<0.50	2.3	<10	<2	<2	<2
GMW-19	04/14/14	<100	---	<100	---	---	2.8	<0.50	<0.50	<0.50	<0.50	0.83	<10	<2	<2	<2
GMW-19	10/28/14	<100	---	130	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-19	04/28/15	490	---	1000	---	---	90	<0.50	0.5	0.55	<0.50	20	12	<2	<2	<2
GMW-19	10/23/15	<100	---	390	---	---	9.2	<0.50	<0.50	<1	<0.50	17	<10	<2	<2	<2
GMW-19	04/21/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-19	10/03/17	<100	---	210	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.5	<10	<2	<2	<2
GMW-19	04/18/18	<100	---	160	---	---	2.2	<0.50	<0.50	<1	<0.50	3.4	<10	<2	<2	<2
GMW-19	11/06/18	220	---	180	---	---	58	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-19	04/22/19	160	---	200	---	---	95	<0.50	<0.50	<1	<0.50	2.5	<10	<2	<2	<2
GMW-19	11/06/19	<100	---	<100	---	---	1.5	<1.0	<1.0	<2.0	<1.0	<1.2	<20	<4.0	<4.0	<4.0
GMW-19	05/06/20	<100	---	170	---	---	17	<0.50	<0.50	<1.0	<0.50	4.8	<10	<2.0	<2.0	<2.0
GMW-19	10/23/20	<100	---	140	---	---	2.3	<0.50	<0.50	<1.0	<0.50	2.3	<10	<2.0	<2.0	<2.0
GMW-19	05/06/21	150	---	420	---	---	52	<0.50	<0.50	<1.0	<0.50	4.2	<10	<2.0	<2.0	<2.0
GMW-20	11/27/96	1100	---	<500	<500	---	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---	---
GMW-20	07/10/97	160	---	1400	<1200	---	<5	<5	<5	<5	<5	<5	---	---	---	---
GMW-20	01/06/98	<500	---	1100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-20	05/21/98	400	---	---	---	---	<0.30	<0.50	<0.50	<0.10	<0.50	<0.50	---	---	---	---
GMW-20	11/05/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-20	05/27/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-20	11/18/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-20	05/17/00	<300	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-20	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.5	---	---	---	---
GMW-20	05/09/01	<300	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-20	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-20	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-20	04/24/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-20	10/20/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-20	10/05/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-20	04/18/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-21	11/03/14	1500	---	2500	---	---	11	1.6	31	170	<0.50	3.8	24	<2	<2	<2
GMW-21	04/29/15	300	---	2200	---	---	1.1	<0.50	<0.50	<1	<0.50	2.7	24	<2	<2	<2
GMW-21	04/14/16	170	---	1300	---	---	<0.50	<0.50	<0.50	<1	<0.50	2.8	<10	<2	<2	<2
GMW-21	10/10/16	130	---	2500	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.5	<10	<2	<2	<2
GMW-21	04/21/17	180	---	3300	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-21	04/23/18	<100	---	3700	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	39	<2	<2	<2
GMW-21	11/12/18	<100	---	4200	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	11	<2	<2	<2
GMW-21	04/19/19	<100	---	3000	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.5	<10	<2	<2	<2
GMW-21	11/06/19	<100	---	4600	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	21	<2.0	<2.0	<2.0
GMW-21	05/11/20	<100	---	470	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-21	10/23/20	<100	---	2600	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-21	05/12/21	<100	---	570	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-22	10/04/10	4100	2200	---	---	---	1900	<10	55	38	<20	47	1300	50	<20	<20
GMW-22	10/14/11	28000	9000	---	---	---	13000	<100	470	200	<200	130	<2000	<200	<200	<200
GMW-22	04/20/12	46000	---	1300	---	---	20000	<100	650	130	<200	140	<2000	<200	<200	<200
GMW-22	10/18/12	32000	---	1300	---	---	16000	120	420	140	<200	180	<2000	<200	<200	<200

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-23	11/08/05	---	1900	---	---	---	<0.30	0.4	<0.30	<0.30	---	<5	---	---	---	---
GMW-23	10/31/14	34000	---	53000	---	---	11000	690	260	2100	<100	<50	<1000	<100	<100	<100
GMW-23	04/23/15	37000	---	240000	---	---	2100	870	490	5600	<30	<15	360	46	<30	<30
GMW-23	03/15/16	540	---	13000	---	---	4.6	<0.50	<0.50	2.4	<1	2.1	42	12	<1	<1
GMW-23	06/30/16	120	---	23000	---	---	2.7	<0.50	<0.50	2.1	<0.50	0.52	<10	<1	<1	<1
GMW-23	08/23/16	59	---	730	---	---	0.08	0.03	0.09	<0.50	0.18	0.76	42	13	0.2	<1
GMW-23	10/06/16	130	---	6100	---	---	2.9	<0.50	<0.50	<0.50	<0.50	<0.50	14	4.8	<1	<1
GMW-23	10/06/17	230	---	17000	---	---	<0.50	<0.50	1.3	1.4	<0.50	<0.50	48	9.6	<1	<1
GMW-23	04/18/19	3100	---	40000	---	---	<1	<1	9.4	27	<2	<1	770	46	<2	<2
GMW-23	11/01/19	130	---	47000	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	320	32	<1.0	<1.0
GMW-23	08/31/21	19000	---	790	---	---	130	10	340	3,400	<20	<10	<200	<20	<20	<20
GMW-24	04/29/11	70000	690000	---	---	---	19000	830	1700	4200	<200	530	<2000	<200	<200	<200
GMW-24	10/13/11	58000	17000	---	---	---	23000	2400	890	2600	<200	490	<2000	<200	<200	<200
GMW-25	10/08/10	15000	<49000	---	---	---	6900	<50	70	<50	<100	92	<1000	<100	<100	<100
GMW-25	04/14/11	12000	23000	---	---	---	6800	<25	<25	<25	<50	36	<500	<50	<50	<50
GMW-25	10/13/11	<20000	31000	---	---	---	9700	<100	220	<100	<200	<100	<2000	<200	<200	<200
GMW-25	06/30/16	90	---	480	---	---	<0.50	<0.50	<0.50	3.2	<0.50	1.7	22	2.3	<1	<1
GMW-25	08/23/16	<50	---	1300	---	---	0.09	0.08	0.11	<0.50	0.73	0.82	160	6.4	0.2	<1
GMW-25	10/06/16	70	---	780	---	---	<0.50	<0.50	<0.50	1.1	0.88	0.5	18	1.2	<1	<1
GMW-25	04/20/17	<500	---	3700	---	---	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
GMW-25	10/05/17	400	---	11000	---	---	<0.50	<0.50	<0.50	<0.50	1	0.64	23	1.5	<1	<1
GMW-25	04/19/18	950	---	14000	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	11	<1	<1	<1
GMW-25	11/09/18	81	---	4300	---	---	<0.50J	<0.50J	<0.50J	<0.50J	<0.50J	<0.50J	<10J	<1J	<1J	<1J
GMW-25	04/19/19	170	---	4100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-25	11/01/19	98	---	2600	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-25	05/11/20	56	---	4000	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-25	11/06/20	<50	---	420	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-25	05/05/21	<50	---	1100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<10	<1.0	<1.0	<1.0
GMW-26	11/27/96	---	---	---	---	---	46	2.7	18	8.8	110	950	---	---	---	---
GMW-26	07/10/97	430	---	<500	---	---	100	2.1	6.9	5.9	67	760	---	---	---	---
GMW-26	01/08/98	200	---	<500	---	---	23	11	5	<15	64	1200	---	---	---	---
GMW-26	05/22/98	500	---	---	---	---	<0.30	<0.50	<0.50	<0.10	260	460	---	---	---	---
GMW-26	11/17/98	1810	<100	---	---	---	310	<5	8	<5	<5	3460	---	---	---	---
GMW-26	05/07/99	2300	---	<500	---	---	490	26	70	140	<5	6100	---	---	---	---
GMW-26	11/19/99	6700	5700	---	---	---	3700	160	42	530	<25	8500	---	---	---	---
GMW-26	05/16/00	2000	490	---	---	---	1.9	<0.50	<0.50	<0.50	0.8	82	---	---	---	---
GMW-26	11/30/00	780	180	---	---	---	<0.50	<0.50	<0.50	<0.50	3.1	17	---	---	---	---
GMW-26	05/08/01	300	120	---	---	---	<0.50	<0.50	<0.50	<0.50	13	390	---	---	---	---
GMW-26	11/06/01	<300	<100	---	---	---	0.7	<0.50	<0.50	<0.50	75	130	---	---	---	---
GMW-26	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	57	130	---	---	---	---
GMW-26	07/07/03	---	---	---	---	---	<0.50	<1	<1	<1	1.2	61	---	---	---	---
GMW-26	04/27/04	63	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	16	59	---	---	---	---
GMW-26	07/08/04	62	290	---	---	---	<0.50	<0.50	<0.50	<0.50	17	27	---	---	---	---
GMW-26	04/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	1.3	<1	<1
GMW-26	10/26/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.8	<0.50	<10	<1	<1	<1
GMW-26	03/15/16	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	1.5	1.2	<10	2.3	<1	<1

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-26	04/14/16	<50	---	76	---	---	<0.50	<0.50	<0.50	<0.50	1.1	0.72	<10	1.4	<1	<1
GMW-26	06/29/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.4	0.59	<10	1.5	<1	<1
GMW-26	08/23/16	<50	---	77	---	---	0.01	0.01	0.09	<0.50	2.4	0.65	1.3	1.9	<1	<1
GMW-26	10/06/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.3	0.64	<10	2	<1	<1
GMW-26	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.66	<0.50	<10	<1	<1	<1
GMW-26	10/05/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	12	2.6	<1	<1
GMW-26	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	2.2	<1	<1
GMW-26	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-26	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.5	28	7.4	<1	<1
GMW-26	11/01/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-26	05/11/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-26	11/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-26	05/06/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-27	05/27/98	2800	---	---	---	---	940	6	4	11	76	1570	---	---	---	---
GMW-27	11/17/98	4220	4940	---	---	---	3200	<50	<50	<50	<50	530	---	---	---	---
GMW-27	05/07/99	6300	---	<500	---	---	3600	16	11	<10	<25	720	---	---	---	---
GMW-27	11/18/99	3300	1500	---	---	---	1100	<25	<25	<25	<25	1000	---	---	---	---
GMW-27	05/16/00	5500	3600	---	---	---	2600	<25	25	34	<25	1800	---	---	---	---
GMW-27	11/30/00	4900	4100	---	---	---	2100	<25	<25	<25	<25	1600	---	---	---	---
GMW-27	05/08/01	5300	4000	---	---	---	2600	<25	<25	<25	<25	2200	---	---	---	---
GMW-27	11/06/01	4100	1500	---	---	---	1600	6.4	6.7	27.6	<0.50	1900	---	---	---	---
GMW-27	04/09/02	4900	590	---	---	---	2300	<10	15	<10	<10	1800	---	---	---	---
GMW-27	10/23/02	590	680	---	---	---	1800	13	<10	13	<10	1400	---	---	---	---
GMW-27	04/08/03	4600	640	---	---	---	2700	<15	<15	17	<30	2000	---	---	---	---
GMW-27	10/07/03	10000	890	---	---	---	4400	<20	47	120	<40	1800	---	---	---	---
GMW-27	01/27/04	8100	480	---	---	---	3600	19	29	115	<30	1500	---	---	---	---
GMW-27	04/21/04	13000	1900	---	---	---	6200	<25	51	<25	<50	2500	---	---	---	---
GMW-27	07/08/04	1900	540	---	---	---	260	<2.5	<2.5	<2.5	<5	790	---	---	---	---
GMW-27	11/03/04	21000	1500	---	---	---	8800	<50	53	170	<100	700	---	---	---	---
GMW-27	05/06/05	1100	<100	---	---	---	440	<2.5	<2.5	4.3	<5	42	---	---	---	---
GMW-27	11/03/05	4100	330	---	---	---	2000	<10	<10	17	<20	250	---	---	---	---
GMW-27	05/09/06	5500	400	---	---	---	2800	<15	22	<15	<30	180	---	---	---	---
GMW-27	12/06/06	12000	740	---	---	---	6400	<50	120	<50	<100	210	---	---	---	---
GMW-27	05/02/07	13000	860	---	---	---	7400	<50	<50	<50	<100	230	---	---	---	---
GMW-27	11/13/07	11000	550	---	---	---	6000	<25	<25	<25	<50	57	---	---	---	---
GMW-27	04/18/08	380	270	---	---	---	130	<1.5	<1.5	<1.5	<3	21	---	---	---	---
GMW-27	08/14/08	1000	490	---	---	---	280	<1.5	1.5	1.6	<3	17	---	---	---	---
GMW-27	11/21/08	3100	340	---	---	---	1100	<10	<10	<10	<20	26	---	---	---	---
GMW-27	04/20/09	100	130	---	---	---	1.8	<0.50	<0.50	<0.50	<0.50	4.2	450	10	<1	<1
GMW-27	10/22/09	130	140	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	5.7	830	17	<1	<1
GMW-27	05/27/10	95	130	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	<10	10	<1	<1
GMW-27	10/07/10	130	<100	---	---	---	1.9	<0.50	<0.50	<0.50	<0.50	6.2	900	17	<1	<1
GMW-27	04/13/11	<100	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.91	480	12	<1	<1
GMW-27	10/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.99	300	6	<1	<1
GMW-27	04/19/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	380	6.8	<1	<1
GMW-27	10/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	300	5	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-j ₄	TPH-j ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-27	04/11/13	<100	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.57	380	7.8	<1	<1
GMW-27	10/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	570	9.3	<1	<1
GMW-27	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	460	6.9	<1	<1
GMW-27	10/30/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	260	6.7	<1	<1
GMW-28	05/07/99	43000	---	<500	---	---	22000	780	1400	3000	<130	1900	---	---	---	---
GMW-28	05/17/00	19000	21000	---	---	---	9600	<50	370	160	<50	1300	---	---	---	---
GMW-28	11/28/00	26000	30000	---	---	---	13000	53	650	1139	<0.50	1600	---	---	---	---
GMW-28	05/08/01	30000	27000	---	---	---	15000	190	660	310	<5	4000	---	---	---	---
GMW-28	11/06/01	20000	19000	---	---	---	14000	51	460	241	<0.50	3200	---	---	---	---
GMW-28	04/09/02	24000	1900	---	---	---	9100	79	320	110	<50	1200	---	---	---	---
GMW-28	07/07/03	---	---	---	---	---	18000	140	800	450	<50	530	---	---	---	---
GMW-28	04/28/04	40000	4700	---	---	---	22000	180	1200	570	<200	280	---	---	---	---
GMW-28	07/08/04	46000	5100	---	---	---	20000	120	1000	560	<200	280	---	---	---	---
GMW-28	10/31/14	330	---	170	---	---	23	<0.50	<0.50	<0.50	<1	82	38	26	<1	<1
GMW-28	04/21/15	1200	---	120	---	---	670	<5	<5	<5	<10	100	<100	25	<10	<10
GMW-28	10/26/15	280	---	360	---	---	3.3	<0.50	<0.50	2.7	<0.50	73	20	18	<1	<1
GMW-28	03/15/16	520	---	390	---	---	230	1.9	2.2	6.5	<3	25	<30	11	<3	<3
GMW-28	04/15/16	600	---	89	---	---	370	<2	4.5	<2	<4	25	<40	8.6	<4	<4
GMW-28	06/30/16	230	---	540	---	---	3.5	<0.50	1.6	7.2	<0.50	16	<10	<1	<1	<1
GMW-28	08/23/16	88	---	490	---	---	0.43	0.02	0.2	4.7	0.04	5.1	5.8	3.4	<1	0.21
GMW-28	10/06/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	46	19	<1	<1
GMW-28	04/19/17	<50	---	<100	---	---	0.69	<0.50	<0.50	<0.50	<0.50	4.8	32	5.2	<1	<1
GMW-28	10/05/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	110	24	<1	<1
GMW-28	04/19/18	60	---	120	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	360	42	<1	<1
GMW-28	11/09/18	83	---	<50	---	---	0.72	<0.50	<0.50	<0.50	<0.50	1.1	270	40	<1	2.7
GMW-28	04/18/19	58	---	86	---	---	<0.50	<0.50	<0.50	<0.50	0.88	1.5	460	37	<1	<1
GMW-28	11/01/19	87	---	390	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	500	41	<1.0	<1.0
GMW-28	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	15	6.0	<1.0	<1.0
GMW-28	11/05/20	<50	---	150	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	31	2.5	<1.0	<1.0
GMW-28	02/25/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-28	05/06/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	24	1.8	<1.0	<1.0
GMW-28	08/31/21	<50	---	60	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	62	6.3	<1.0	<1.0
GMW-29	11/28/00	1600	1700	---	---	---	170	97	8	300	<0.50	54	---	---	---	---
GMW-29	05/08/01	2200	950	---	---	---	1300	59	21	30	<0.50	<0.50	---	---	---	---
GMW-29	04/09/02	13000	11000	---	---	---	5400	4500	240	1120	<1	34	---	---	---	---
GMW-29	07/08/03	---	---	---	---	---	4100	670	410	880	<25	<50	---	---	---	---
GMW-29	04/28/04	40000	6400	---	---	---	8700	6000	910	2800	<200	<100	---	---	---	---
GMW-29	07/08/04	45000	5300	---	---	---	8900	6500	900	4000	<100	<50	---	---	---	---
GMW-29	03/15/16	74000	---	65000	---	---	260	320	540	6000	<40	<20	<400	<40	<40	<40
GMW-29	08/31/21	2200	---	12000	---	---	42	<5.0	170	130	<10	<5.0	<100	<10	<10	<10
GMW-30	03/15/16	9100	---	3500	---	---	1100	20	33	920	<10	<5	<100	<10	<10	<10
GMW-30	04/15/16	14000	---	2400	---	---	3600	16	85	860	<30	<15	<300	<30	<30	<30
GMW-30	06/30/16	1600	---	6400	---	---	34	0.88	1.5	6.7	1.4	3.4	33	8.6	<1	<1
GMW-30	08/23/16	400	---	1400	---	---	41	0.2	0.22	3.1	0.24	2.1	60	4	0.39	0.39
GMW-30	10/07/16	360	---	3600	---	---	24	0.6	2.6	3	1.2	2.3	27	6	<1	<1
GMW-30	10/06/17	280	---	3500	---	---	28	<0.50	1.7	4.6	<0.50	1.2	28	4.9	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-30	04/20/18	230	---	1300	---	---	7	<0.50	<0.50	10	<0.50	1.3	45	8.8	<1	<1
GMW-30	04/19/19	99	---	4000	---	---	2.5	<0.50	<0.50	<0.50	<0.50	0.86	31	7.9	<1	<1
GMW-30	11/01/19	<50	---	1300	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	20	6.2	<1.0	<1.0
GMW-30	05/11/20	<100	---	1700	---	---	3.7	<0.50	<0.50	<0.50	<1.0	<0.50	<10	1.3	<1.0	<1.0
GMW-30	11/06/20	<50	---	1100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-31	11/27/96	1100	---	<500	<500	---	<2.5	<2.5	<2.5	<5	---	---	---	---	---	---
GMW-31	07/10/97	55	---	550	<450	---	2	<1	<1	<2	---	---	---	---	---	---
GMW-31	01/07/98	<500	---	<100	<100	---	1.6	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-31	05/21/98	<300	---	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-31	11/06/98	<300	<100	---	---	---	4.8	<0.30	3.5	<0.60	---	---	---	---	---	---
GMW-31	05/27/99	<300	1020	---	---	---	<0.30	<0.30	0.52	<0.60	---	---	---	---	---	---
GMW-31	11/18/99	<300	490	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-31	05/17/00	<300	470	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-31	12/01/00	530	680	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-31	05/10/01	<300	120	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-31	11/07/01	<300	170	---	---	---	0.8	0.49	<0.30	<0.60	---	9.9	---	---	---	---
GMW-31	04/10/02	<300	120	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-31	10/24/02	<300	<100	---	---	---	<0.30	0.49	<0.30	<0.30	---	<5	---	---	---	---
GMW-31	04/14/03	---	647	---	---	---	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-31	10/10/03	---	200	---	---	---	0.39	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-31	04/22/04	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-31	11/06/04	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-31	05/07/05	---	<100	---	---	---	<0.30	0.64	<0.30	<0.30	---	<5	---	---	---	---
GMW-31	11/08/05	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-31	05/05/06	---	<100	---	---	---	<0.30	0.79	0.5	2.4	---	<5	---	---	---	---
GMW-31	12/08/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-31	05/03/07	---	170	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-31	11/14/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-31	04/18/08	---	810	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-31	10/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	04/22/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	<0.50	<0.50	<0.50
GMW-31	10/20/09	---	---	---	---	140	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<10	<2	<2	<2
GMW-31	04/14/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	4.6 J	<2	<2	<2
GMW-31	10/08/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	6.5 J	---	---	---
GMW-31	04/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	10/10/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	04/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	10/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	04/08/13	---	---	120 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<10	<2	<2	<2
GMW-31	10/07/13	<100	---	210 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	04/14/14	<100	---	170 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-31	10/29/14	<100	---	160	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-31	04/28/15	<100	---	340	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-31	04/20/17	<100	---	120	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-31	10/05/17	<100	---	270	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-31	04/19/18	<100	---	150	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																	
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME	
GMW-31	11/08/18	<100	---	230	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
GMW-31	04/17/19	<100	---	<100J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
GMW-31	10/29/19	<100	---	120	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-31	05/06/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-31	10/20/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10J	<2.0	<2.0	<2.0	
GMW-31	05/06/21	<100	---	290	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-32	11/27/96	430	---	<500	<500	---	13	<0.50	25	<1	---	---	---	---	---	---	
GMW-32	07/10/97	63	---	1800	<1600	---	1.7	<1	<1	<2	---	---	---	---	---	---	
GMW-32	01/06/98	<500	---	<100	<100	---	0.4	<0.30	0.7	<0.60	---	---	---	---	---	---	
GMW-32	05/21/98	<300	---	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
GMW-32	11/05/98	<300	<100	---	---	---	<0.30	<0.30	0.62	<0.60	---	---	---	---	---	---	
GMW-32	11/06/98	---	158	---	---	---	---	---	---	---	---	---	---	---	---	---	
GMW-32	05/27/99	<300	307	---	---	---	3.1	<0.30	5	1.4	---	---	---	---	---	---	
GMW-32	11/18/99	<300	6500	---	---	---	4.3	<0.30	6.9	1.2	---	---	---	---	---	---	
GMW-32	05/17/00	500	8600	---	---	---	8	3.4	16	14	---	---	---	---	---	---	
GMW-32	11/30/00	330	2100	---	---	---	<0.30	<0.30	4.2	<0.60	---	<5	---	---	---	---	
GMW-32	05/09/01	1000	9500	---	---	---	4.7	<0.30	1.2	2.8	---	<5	---	---	---	---	
GMW-32	11/07/01	660	6900	---	---	---	4.2	0.63	5.7	2	---	<5	---	---	---	---	
GMW-32	02/01/02	---	---	---	---	---	0.89	<0.50	0.53	0.69	<0.50	0.77	---	---	---	---	
GMW-32	04/11/02	<300	210	---	---	---	1.5	<0.30	7.2	<0.60	---	<5	---	---	---	---	
GMW-32	10/23/02	<300	1300	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	
GMW-32	04/09/03	---	2100	---	---	---	<1	1.18	<1	<2	---	<3	---	---	---	---	
GMW-32	10/10/03	---	530	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	
GMW-32	04/21/04	---	1500	---	---	---	0.52	<1	<1	<1	---	<1	---	---	---	---	
GMW-32	11/04/04	---	910	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---	
GMW-32	05/06/05	---	700	---	---	---	0.31	0.64	<0.30	0.76	---	<5	---	---	---	---	
GMW-32	11/08/05	---	480	---	---	---	<0.30	0.41	<0.30	0.7	---	<5	---	---	---	---	
GMW-32	05/04/06	---	690	---	---	---	0.46	0.39	0.62	1.4	---	<5	---	---	---	---	
GMW-32	12/08/06	---	110	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
GMW-32	05/03/07	---	190	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
GMW-32	11/16/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
GMW-32	04/17/08	---	150	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---	
GMW-32	10/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-32	04/24/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-32	10/20/09	---	---	---	---	---	250	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-32	04/16/10	---	---	---	---	---	230	<0.50	<0.50	0.41 J	<0.50	---	<0.50	<10	<2	<2	<2
GMW-32	10/07/10	---	---	---	---	---	180	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-32	04/14/11	---	---	---	---	---	160	<0.50	<0.50	0.25 J	<0.50	<0.50	<10	<2	<2	<2	
GMW-32	10/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-32	04/19/12	---	---	---	---	---	210	<0.50	<0.50	<0.50	0.26 J	<0.50	<0.50	<10	<2	<2	<2
GMW-32	10/19/12	---	---	---	---	---	1300	0.2 J	<0.50	0.14 J	0.32	<0.50	<0.50	<10	<2	<2	<2
GMW-32	04/10/13	---	---	1300 b	---	---	<0.50	<0.50	<0.50	0.3 J	<0.50	<0.50	<10	<2	<2	<2	
GMW-32	10/08/13	<100	---	1200 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7.3 J	<2	<2	<2	
GMW-32	04/16/14	440 HD	---	1500 HD	---	---	<0.50	<0.50	0.41 J	0.8	<0.50	0.67	17	<2	<2	<2	
GMW-32	10/30/14	290	---	1500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	13	<2	<2	<2	
GMW-33	11/21/96	<38	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	---	---	---	---	---	

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-33	07/10/97	<50	---	700	<400	---	<5	<5	<5	<5	<5	<5	---	---	---	---
GMW-33	01/06/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-33	05/20/98	<300	---	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-33	11/05/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-33	05/27/99	<300	122	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-33	11/18/99	<300	120	---	---	---	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-33	05/17/00	<300	210	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-33	11/30/00	<300	430	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-33	05/09/01	<300	150	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-33	11/07/01	<300	200	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-33	02/01/02	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-33	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	---	---	---	---
GMW-34	11/18/99	9500	17000	---	---	---	30	3.5	8.3	81	<0.50	24	---	---	---	---
GMW-34	05/17/00	740	3700	---	---	---	<0.50	<0.50	1.5	11.4	<0.50	30	---	---	---	---
GMW-34	12/01/00	<300	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	10	---	---	---	---
GMW-34	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	7.3	---	---	---	---
GMW-34	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	---	---	---	---
GMW-34	04/12/02	960	1500	---	---	---	240	1.4	33	81	<0.50	2.5	---	---	---	---
GMW-35	05/09/01	20000	22000	---	---	---	1300	11	580	4100	<10	<10	---	---	---	---
GMW-35	04/10/03	---	15600	---	---	---	65.2	30.6	109	159	---	<3	---	---	---	---
GMW-35	10/10/03	---	16000	---	---	---	100	<15	120	650	---	<250	---	---	---	---
GMW-35	04/21/04	---	19000	---	---	---	110	<1	45	7.3	---	1.5	---	---	---	---
GMW-35	11/04/04	---	18000	---	---	---	62	<3	13	28	---	<50	---	---	---	---
GMW-35	05/05/05	---	4700	---	---	---	10	1.4	33	22	---	<10	---	---	---	---
GMW-35	11/05/05	---	3100	---	---	---	9.1	2.2	31	17	---	<25	---	---	---	---
GMW-35	05/03/06	---	17000	---	---	---	7.9	2.9	20	12	---	<5	---	---	---	---
GMW-35	12/08/06	---	4800	---	---	---	14	<0.50	9	6.9	---	<5	---	---	---	---
GMW-35	05/04/07	---	4700	---	---	---	21	0.86	1.3	5.3	---	6.1	---	---	---	---
GMW-35	11/15/07	---	2400	---	---	---	26	<0.50	<0.50	<1	---	7.7	---	---	---	---
GMW-35	04/17/08	---	1300	---	---	---	18	<0.50	1.8	2.5	---	<5	---	---	---	---
GMW-35	04/24/09	---	---	---	---	520	63	<5	<5	<5	---	210	---	<5	<5	<5
GMW-35	04/16/10	---	---	---	---	1900	180	0.88 J	1.5	0.7	---	13	2200	<4	<4	<4
GMW-35R	10/09/17	160	---	1400	---	---	9.4	<0.50	<0.50	<1	<0.50	5	770	<2	<2	<2
GMW-35R	04/23/18	160 J	---	1100	---	---	16	<0.50	<0.50	<1	<0.50	2.9	360	<2	<2	<2
GMW-35R	11/12/18	450	---	2100	---	---	48	<0.50	<0.50	0.67	<0.50	2.3	260	<2	<2	<2
GMW-35R	04/22/19	190	---	1300	---	---	<2.5	<2.5	<2.5	<5	<2.5	<5	600	<10	<10	<10
GMW-35R	11/06/19	220	---	1200	---	---	11	<1.0	<1.0	<2.0	<1.0	6.3	720	<4.0	<4.0	<4.0
GMW-35R	05/11/20	1200	---	2100	---	---	120	<1.0	2.7	<2.0	<1.0	14	760	<4.0	<4.0	<4.0
GMW-35R	10/26/20	730	---	1500	---	---	20	<1.0J	<1.0J	<2.0	<1.0	8.9	730	<4.0	<4.0	<4.0
GMW-35R	05/10/21	<100	---	100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-36	07/10/97	430	---	<500	---	---	---	---	---	---	---	---	---	---	---	---
GMW-36	01/09/98	4000	---	4300	---	---	22	21	6.1	100	<5	7700	---	---	---	---
GMW-36	05/20/98	1400	---	---	---	---	<0.30	<0.30	<10	<20	<0.50	19600	---	---	---	---
GMW-36	11/17/98	7900	6650	---	---	---	2100	1370	70	650	<50	34800	---	---	---	---
GMW-36	05/07/99	2800	---	<500	---	---	<10	<10	<10	<10	<25	14000	---	---	---	---
GMW-36	11/18/99	51000	22000	---	---	---	8100	5600	<250	1770	<250	47000	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-36	05/17/00	59000	53000	---	---	---	14000	6700	480	4100	<130	45000	---	---	---	---
GMW-36	11/30/00	110000	66000	---	---	---	20000	19000	1600	8100	<0.50	13000	---	---	---	---
GMW-36	02/06/01	75000	55000	---	---	---	18000	13000	1400	6100	<50	9100	---	---	---	---
GMW-36	05/10/01	12000	5100	---	---	---	3700	2500	420	1730	<0.50	1600	---	---	---	---
GMW-36	09/19/01	21000	37000	---	---	---	5800	3600	580	2080	<13	1000	---	---	---	---
GMW-36	11/06/01	63000	40000	---	---	---	16000	13000	1600	7700	<25	3200	---	---	---	---
GMW-36	01/30/02	130000	68000	---	---	---	21000	20000	1700	9000	<125	42000	---	---	---	---
GMW-36	04/10/02	150000	49000	---	---	---	25000	22000	1800	10000	<50	67000	---	---	---	---
GMW-36	07/30/02	81000	110000	---	---	---	28000	29000	2200	11800	<50	37000	---	---	---	---
GMW-36	12/06/06	32000	10000	---	---	---	5300	4300	480	4300	<50	1600	---	---	---	---
GMW-36	03/13/07	54000	7200	---	---	---	9400	12000	1100	8200	<200	3800	---	---	---	---
GMW-36	05/05/07	69000	11000	---	---	---	9800	11000	1200	8000	<200	3900	---	---	---	---
GMW-36	08/29/07	30000	9800	---	---	---	4100	4200	420	4500	120	890	---	---	---	---
GMW-36	02/20/08	34000	9100	---	---	---	3900	6000	750	4600	<50	43	---	---	---	---
GMW-36	04/16/08	42000	11000	---	---	---	5200	8300	940	6200	<200	<100	---	---	---	---
GMW-36	10/16/08	17000	32000	---	---	---	2100	2000	160	2300	<20	26	---	---	---	---
GMW-36	07/22/09	24000	15000	---	---	---	3800	5400	720	3380	<50	28	<500	<50	<50	<50
GMW-36	03/16/10	8000	22000	---	---	---	830	1100	140	700	<10	16	690	<10	<10	<10
GMW-36	04/16/10	4200	25000	---	---	---	850	150	89	200	<5	11	3700	<5	<5	<5
GMW-36	07/13/10	500	4500	---	---	---	49	51	4.9	43	<0.50	0.91	340	<1	<1	<1
GMW-36	08/12/10	9200	2200	---	---	---	1400	1100	52	980	<10	18	1600	<10	<10	<10
GMW-36	09/20/10	3300	5200	---	---	---	130	18	36	120	<1	130	13000	<1	<1	1.6
GMW-36	10/05/10	15000	3100	---	---	---	2500	1300	390	1200	<20	30	1300	<20	<20	<20
GMW-36	11/23/10	31000	21000	---	---	---	5100	3400	890	2600	<40	51	470	<40	<40	<40
GMW-36	12/22/10	63000	73000	---	---	---	6700	9600	1700	5600	<50	28	<500	<50	<50	<50
GMW-36	01/12/11	320000	130000	---	---	---	4600	2900	1400	9200	<200	<100	<2000	<200	<200	<200
GMW-36	02/24/11	1600	3900	---	---	---	110	77	19	130	<1	2.5	2200	<1	<1	<1
GMW-36	03/23/11	3200	2900	---	---	---	360	340	28	240	<3	7.6	2400	<3	<3	<3
GMW-36	04/29/11	1500	10000	---	---	---	75	67	6.8	113	<0.50	3.3	1700	<1	<1	<1
GMW-36	05/13/11	13000	11000	---	---	---	2300	2100	93	1640	<20	43	<200	<20	<20	<20
GMW-36	06/22/11	420	1500	---	---	---	24	12	2.8	29	<0.50	110	5900	<1	<1	<1
GMW-36	07/29/11	7300	3200	---	---	---	560	570	61	990	<10	350	4600	<10	<10	<10
GMW-36	08/19/11	13000	6200	---	---	---	570	1100	250	1900	<20	260	9000	<20	<20	<20
GMW-36	09/22/11	5200	2200	---	---	---	490	240	52	470	<5	660	7400	<5	<5	17
GMW-36	10/13/11	22000	160000	---	---	---	610	490	430	2200	<20	250	3700	<20	<20	43
GMW-36	11/23/11	630	34000	---	---	---	17	<2.5	<2.5	14	<5	110	6000	<5	<5	<5
GMW-36	12/21/11	700	560	---	---	---	59	55	14	65	<0.50	2.1	340	<1	<1	<1
GMW-36	01/10/12	380	290	---	---	---	78	1.6	5.1	13	<0.50	94	4900	<1	<1	1.3
GMW-36	02/23/12	45000	14000	---	---	---	5600	8900	1700	6600	<200	<100	<2000	<200	<200	<200
GMW-36	03/28/12	220	---	400	---	---	3.5	4.1	1.2	6.3	<0.50	1.5	130	<1	<1	<1
GMW-36	04/27/12	1300	---	710	---	---	43	<0.50	2.5	35	<1	64	4200	<1	<1	1.2
GMW-36	05/25/12	280	---	440	---	---	<0.50	<0.50	<0.50	1.5	<1	14	6200	<1	<1	<1
GMW-36	06/15/12	460	---	380	---	---	17	4.1	5.5	50	<1	12	780	<1	<1	<1
GMW-36	07/11/12	5100	---	12000	---	---	<2.5	6.8	39	300	<5	<2.5	140	<5	<5	<5
GMW-36	09/26/12	14000	---	6600	---	---	35	11	<2.5	230	<5	17	100	<5	<5	<5
GMW-36	10/18/12	8800	---	12000	---	---	350	33	28	490	<5	70	100	<5	<5	<5

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-j ₄	TPH-j ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-36	11/29/12	8400	---	6600	---	---	520	550	66	490	<10	190	<100	<10	<10	<10
GMW-36	04/12/13	560000	---	19000	---	---	7400	20000	8900	50000	<400	270	<4000	<400	<400	<400
GMW-36	10/11/13	120000	---	130000	---	---	9600	18000	3400	18000	<200	380	<2000	<200	<200	<200
GMW-36	10/28/15	19000	---	16000	---	---	2300	82	500	2700	<20	1500	710	<20	<20	<20
GMW-36	04/14/16	16000	---	13000	---	---	660	<10	170	1700	<20	540	1400	<20	<20	<20
GMW-36	04/19/17	6900	---	4000	---	---	1500	<10	140	<10	<0.50	1900	7800	<20	<20	36
GMW-36	10/05/17	630	---	340	---	---	48	1.3	25	14	1.8	27	2500 *	<1	<1	1.8
GMW-36	04/20/18	68	---	95	---	---	1.8	<0.50	0.51	4.9	<0.50	<0.50	210	<1	<1	<1
GMW-36	11/08/18	160	---	2100	---	---	0.64	<0.50	<0.50	<0.50	<0.50	1.6	3000	<1	<1	<1
GMW-36	04/23/19	560	---	18000	---	---	26	<2.5	<2.5	<2.5	<5	9.7	2200	<5	<5	<5
GMW-36	05/08/20	<200	---	1000	---	---	3.8	<1.0	<1.0	<1.0	<2.0	6.3	8,300	<2.0	<2.0	<2.0
GMW-36	02/25/21	160	---	320	---	---	<0.50	<0.50	<0.50	3.7	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-36	05/06/21	<50	---	100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	25	<1.0	<1.0	<1.0
GMW-36	08/31/21	2300	---	2100	---	---	21	180	6.2	480	<2.0	29	300	<2.0	<2.0	2.2
GMW-37	11/25/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-37	07/11/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---
GMW-37	01/06/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-37	05/26/98	<300	---	---	---	---	<0.30	<0.30	<0.50	0.6	<0.50	<0.50	---	---	---	---
GMW-37	11/11/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	11	---	---	---	---
GMW-37	05/07/99	<500	---	<500	---	---	1.1	4.5	<0.50	1.9	<1	14	---	---	---	---
GMW-37	11/18/99	<416	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	16	---	---	---	---
GMW-37	05/17/00	<300	760	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	16	---	---	---	---
GMW-37	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	34	---	---	---	---
GMW-37	02/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	54	---	---	---	---
GMW-37	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	11	---	---	---	---
GMW-37	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	49	---	---	---	---
GMW-37	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	---	---	---	---
GMW-37	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	7.2	---	---	---	---
GMW-37	10/22/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	49	---	---	---	---
GMW-37	01/29/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	---	---	---	---
GMW-37	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.86	---	---	---	---
GMW-37	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	10/06/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.3	---	---	---	---
GMW-37	01/27/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	07/19/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	---	---	---	---
GMW-37	11/02/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	02/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	08/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	02/27/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	05/02/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	09/18/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	12/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-37	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	11/14/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	04/16/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	10/14/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-37	04/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/19/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	11/09/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	04/19/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-37	10/29/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-37	05/08/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-37	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-37	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	11/26/96	---	---	---	---	---	1.8	<0.50	<0.50	<1.5	<0.50	7.7	---	---	---	---
GMW-38	07/10/97	<100	---	<500	---	---	<0.50	2	<0.50	0.83	<0.50	<5	---	---	---	---
GMW-38	01/05/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-38	05/21/98	<300	---	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	1.2	---	---	---	---
GMW-38	11/12/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	25	---	---	---	---
GMW-38	05/07/99	<500	---	<500	---	---	<0.50	1.5	<0.50	<0.50	<1	7.9	---	---	---	---
GMW-38	11/18/99	<416	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	---	---	---	---
GMW-38	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	---	---	---	---
GMW-38	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	---	---	---	---
GMW-38	02/01/02	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	---	---	---	---
GMW-38	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	10/23/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	01/29/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	---	---	---	---
GMW-38	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-38	10/06/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	01/28/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	---	---	---	---
GMW-38	07/19/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	11/02/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	02/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	---	---	---	---
GMW-38	08/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	02/28/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	---	---	---	---
GMW-38	05/02/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	09/18/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	12/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	03/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	05/05/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	08/30/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	11/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-38	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.74	<10	<1	<1	<1
GMW-38	07/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	27	<1	<1	<1
GMW-38	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	29	<1	<1	<1
GMW-38	03/15/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	07/13/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.5	<10	<1	<1	<1
GMW-38	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	01/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	07/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	01/10/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	07/10/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	01/15/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-38	04/19/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-38	10/29/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-38	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-39	11/21/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-39	07/10/97	<100	---	<500	---	---	<0.50	0.5	<0.50	<1	<0.50	<5	---	---	---	---
GMW-39	01/05/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-39	05/19/98	---	---	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	0.9	---	---	---	---
GMW-39	11/12/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.2	---	---	---	---
GMW-39	05/07/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	2.9	---	---	---	---
GMW-39	11/18/99	<416	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	12	---	---	---	---
GMW-39	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	9.4	---	---	---	---
GMW-39	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	16	---	---	---	---
GMW-39	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-39	11/06/01	<300	<100	---	---	---	1.2	<0.50	<0.50	<0.50	<0.50	39	---	---	---	---
GMW-39	02/01/02	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	36	---	---	---	---
GMW-39	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	20	---	---	---	---
GMW-39	10/22/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	89	---	---	---	---
GMW-39	01/29/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	32	---	---	---	---
GMW-39	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	23	---	---	---	---
GMW-39	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
GMW-39	10/06/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	6.6	---	---	---	---
GMW-39	01/28/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	---	---	---	---
GMW-39	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.8	---	---	---	---
GMW-39	07/19/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	---	---	---	---
GMW-39	11/03/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	---	---	---	---
GMW-39	02/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	---	---	---	---
GMW-39	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-39	08/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-39	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-39	02/27/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	---	---	---	---
GMW-39	05/02/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-39	09/19/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	---	---	---	---
GMW-39	12/06/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4	---	---	---	---
GMW-39	03/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.5	---	---	---	---
GMW-39	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	---	---	---	---
GMW-39	08/29/07	<500	<100	---	---	---	<2.5	<2.5	<2.5	<2.5	<5	3.6	---	---	---	---
GMW-39	11/13/07	160	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	2.6	---	---	---	---
GMW-39	02/20/08	110	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	---	---	---	---
GMW-39	04/16/08	90	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	---	---	---	---
GMW-39	08/14/08	<100	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	1.1	---	---	---	---
GMW-39	10/15/08	<500	<100	---	---	---	<2.5	<2.5	<2.5	<2.5	<5	5.6	---	---	---	---
GMW-39	02/24/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3400	---	---	---
GMW-39	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4000	<1	<1	<1
GMW-39	07/21/09	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	2500	<1	<1	<1
GMW-39	10/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.5	2200	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-39	03/16/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	130	<1	<1	<1
GMW-39	05/27/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	07/13/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	230	<1	<1	<1
GMW-39	10/07/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	550	<1	<1	<1
GMW-39	01/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	68	<1	<1	<1
GMW-39	04/13/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	07/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	96	<1	<1	<1
GMW-39	01/10/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	58	<1	<1	<1
GMW-39	04/19/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	38	<1	<1	<1
GMW-39	07/10/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	10/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	47	<1	<1	<1
GMW-39	01/15/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	54	<1	<1	<1
GMW-39	10/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	420	<1	<1	<1
GMW-39	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	20	<1	<1	<1
GMW-39	10/30/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<10	<1	<1	<1
GMW-39	04/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.95	<10	<1	<1	<1
GMW-39	10/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	04/14/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<10	<1	<1	<1
GMW-39	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10	<1	<1	<1
GMW-39	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	04/19/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-39	10/29/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-39	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-39	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	370	<1.0	<1.0	<1.0
GMW-39	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-40	11/27/96	400	---	<500	<500	---	0.5	<0.50	5.8	5.9	<0.50	<5	---	---	---	---
GMW-40	07/10/97	210	---	2600	<300	---	---	---	---	---	---	---	---	---	---	---
GMW-40	01/07/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-40	05/21/98	<300	---	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-40	11/05/98	<300	<100	---	---	---	<0.50	<0.50	3.8	7.6	<0.50	<0.50	---	---	---	---
GMW-40	05/26/99	<300	<100	---	---	---	0.9	<0.50	<0.50	<0.50	<0.50	4.4	---	---	---	---
GMW-40	11/18/99	<300	220	---	---	---	2.8	<0.50	0.9	2.8	<0.50	9.3	---	---	---	---
GMW-40	05/17/00	<300	430	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	11	---	---	---	---
GMW-40	12/01/00	<300	320	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-40	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-40	11/08/01	<300	<100	---	---	---	<0.50	<0.50	1.1	3.1	<0.50	19	---	---	---	---
GMW-40	04/12/02	<300	<100	---	---	---	1.7	<0.50	0.7	0.9	<0.50	17	---	---	---	---
GMW-40	04/16/03	---	<100	---	---	---	5.17	<0.50	2.74	4.65	<0.50	54.7	---	---	---	---
GMW-40	10/08/03	---	170	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	52	---	---	---	---
GMW-40	04/22/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	39	<10	<2	<2	<2
GMW-40	11/06/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-40	05/07/05	---	<100	---	---	---	<0.50	<0.50	<0.50	0.7	<0.50	0.76	<10	<2	<2	<2
GMW-40	11/08/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<10	<2	<2	<2
GMW-40	05/05/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.9	<10	<2	<2	<2
GMW-40	12/08/06	---	110	---	---	---	0.87	<0.50	<0.50	13.7	<0.50	15	<10	<2	<2	<2
GMW-40	05/03/07	---	440	---	---	---	3.7	<0.50	2.2	27	<0.50	46	63	<2	<2	<2
GMW-40	11/16/07	---	<100	---	---	---	0.61	<0.50	1.9	8.4	<0.50	<0.50	<10	<2	<2	<2
GMW-40	04/18/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-40	10/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<10	<2	<2	<2
GMW-40	04/24/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-40	10/21/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.4 J	<10	<2	<2	<2
GMW-40	04/14/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<2	<2	<2
GMW-40	10/06/10	<50	<100	---	---	---	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-40	10/08/13	120 HD	---	460 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-40	04/14/14	<100	---	240 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-40	10/29/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-40	04/22/15	<100	---	130	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-40	10/05/16	<100	---	1100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-41	11/27/96	250	---	<500	<500	---	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---	---
GMW-41	07/10/97	75	---	1200	<1000	---	<5	<5	<5	<5	<5	<5	---	---	---	---
GMW-41	01/07/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-41	05/21/98	<300	---	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-41	11/05/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1	---	---	---	---
GMW-41	05/26/99	<300	116	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-41	11/18/99	<300	390	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-41	05/17/00	<300	280	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-41	11/30/00	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-41	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-41	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-41	04/12/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	---	---	---	---
GMW-41	10/24/02	<300	1000	---	---	---	<0.50	<1	<1	<1	<0.50	1.1	---	---	---	---
GMW-41	04/16/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-41	10/08/03	---	350	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	---	---	---	---
GMW-41	04/22/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	<10	<2	<2	<2
GMW-41	11/06/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	<10	<2	<2	<2
GMW-41	05/07/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	11/08/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	05/05/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	12/08/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	05/03/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<10	<2	<2	<2
GMW-41	11/16/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/18/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/22/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/21/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.43 J	<10	<2	<2	<2
GMW-41	04/14/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	0.33 J	5.7 J	<2	<2	<2
GMW-41	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-41	10/06/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-41	04/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5.4 J	<2	<2	<2
GMW-41	10/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	04/09/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-41	10/07/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.5 J	<10	<2	<2	<2
GMW-41	10/28/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-41	04/22/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	3.2	<10	<2	<2	<2
GMW-41	10/05/16	<100	---	330	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-41	04/20/17	<100	---	140	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-41	04/20/18	<100	---	690 J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-41	11/06/18	<100	---	140	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-41	04/17/19	<100	---	140 J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-41	10/31/19	<100	---	140	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-41	05/06/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-41	10/20/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10J	<2.0	<2.0	<2.0
GMW-41	05/04/21	<100	---	170	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-42	11/05/98	7530	3340	---	---	---	800	<7.5	55	810	---	---	---	---	---	---
GMW-42	05/27/99	6510	14200	---	---	---	1100	110	60	580	---	---	---	---	---	---
GMW-42	11/18/99	7900	17000	---	---	---	810	490	180	1200	---	---	---	---	---	---
GMW-42	05/17/00	3800	20000	---	---	---	9.9	1.2	26	230	---	---	---	---	---	---
GMW-42	12/01/00	380	2700	---	---	---	1	<0.30	<0.30	<0.60	---	18	---	---	---	---
GMW-42	05/10/01	490	620	---	---	---	24	40	11	79	---	5.3	---	---	---	---
GMW-42	11/07/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	1.6	---	<5	---	---	---	---
GMW-42	04/10/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	7	---	---	---	---
GMW-42	10/09/13	<100	---	120 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-42	04/14/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-42	10/27/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-42	04/22/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-42	04/17/17	<100	---	<100	---	---	<0.50	<0.50	1.6	<1	<0.50	<1	<10	<2	<2	<2
GMW-42	10/03/17	<100	---	180	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-42	04/20/18	<100	---	140 J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-42	11/08/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10J	<2	<2	<2
GMW-42	04/17/19	<100	---	<100J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-42	10/29/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-42	05/06/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-42	10/20/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10J	<2.0	<2.0	<2.0
GMW-42	05/04/21	<100	---	130	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-43	11/27/96	620	---	<500	<500	---	<0.50	<0.50	<0.50	<1	---	---	---	---	---	---
GMW-43	07/10/97	<50	---	<50	<50	---	<0.50	<1	<1	<2	---	---	---	---	---	---
GMW-43	01/07/98	<500	---	<100	<100	---	0.3	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-43	05/21/98	<300	---	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-43	11/05/98	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-43	05/27/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-43	11/18/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-43	05/17/00	<300	170	---	---	---	0.92	<0.30	0.45	<0.60	---	---	---	---	---	---
GMW-43	11/30/00	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-43	05/09/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-43	11/07/01	<300	150	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-43	04/11/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-43	10/23/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-43	04/14/03	---	<100	---	---	---	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-43	10/08/03	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-43	04/21/04	---	<100	---	---	---	<0.50	<1	<1	<1	---	<1	---	---	---	---
GMW-43	11/06/04	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-43	05/10/05	---	<100	---	---	---	<0.30	0.68	<0.30	<0.30	---	<5	---	---	---	---
GMW-43	11/08/05	---	200	---	---	---	<0.30	0.47	<0.30	0.31	---	<5	---	---	---	---
GMW-43	05/04/06	---	180	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-43	12/08/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-43	05/03/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	8	---	---	---	---
GMW-43	11/15/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-43	04/17/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-43	10/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/23/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	<0.50	<0.50	<0.50
GMW-43	10/21/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/15/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<2	<2	<2
GMW-43	10/08/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-43	04/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	10/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	19	<2	<2	<2
GMW-43	10/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/08/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	10/07/13	<100	---	180 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	04/14/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-43	10/27/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-43	04/22/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-43	04/17/17	<100	---	550	---	---	<0.50	<0.50	0.98	<1	<0.50	<1	<10	<2	<2	<2
GMW-43	04/18/18	<100	---	660	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-43	11/06/18	<100	---	240	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-43	04/19/19	<100	---	190	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-43	10/31/19	<100	---	300	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-43	05/06/20	<100	---	190	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-43	10/22/20	<100	---	390 J	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-43	05/10/21	<100	---	250	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-44	11/27/96	820	---	<500	<500	---	<0.50	<0.50	<0.50	<1	---	---	---	---	---	---
GMW-44	07/10/97	68	---	1100	<1000	---	<0.50	<1	<1	<2	---	---	---	---	---	---
GMW-44	01/06/98	<500	---	700	<100	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-44	05/21/98	<300	---	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-44	11/05/98	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-44	05/27/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-44	11/18/99	<300	310	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-44	05/17/00	<300	240	---	---	---	<0.30	<0.30	<0.30	1.9	---	---	---	---	---	---
GMW-44	11/30/00	<300	280	---	---	---	0.98	<0.30	0.95	<0.60	---	<5	---	---	---	---
GMW-44	05/09/01	<300	190	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-44	11/07/01	<300	270	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-44	04/11/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-44	10/23/02	<300	120	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-44	04/14/03	---	<100	---	---	---	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-44	10/08/03	---	230	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-44	04/21/04	---	160	---	---	---	<0.50	<1	<1	<1	---	<1	---	---	---	---
GMW-44	11/04/04	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-44	05/06/05	---	120	---	---	---	0.45	0.68	<0.30	<0.30	---	<5	---	---	---	---
GMW-44	11/08/05	---	<100	---	---	---	<0.30	<0.30	<0.30	0.39	---	<5	---	---	---	---
GMW-44	05/04/06	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
GMW-44	12/08/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-44	05/04/07	---	160	---	---	---	<0.50	<0.50	<0.50	<1	---	8.3	---	---	---	---
GMW-44	11/15/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-44	04/17/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
GMW-44	10/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/23/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	<0.50	<0.50	<0.50
GMW-44	10/21/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/15/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	<10	<2	<2	<2
GMW-44	10/08/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-44	04/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	10/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10	<2	<2	<2
GMW-44	10/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/08/13	---	---	100 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	10/07/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	04/14/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-44	10/27/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-44	04/22/15	<100	---	170	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-44	10/05/16	<100	---	170	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-44	04/20/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-44	10/03/17	<100	---	130	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-44	04/18/18	160	---	130	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-44	11/06/18	<100	---	130	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-44	04/19/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-44	10/29/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-44	05/06/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-44	10/20/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10J	<2.0	<2.0	<2.0
GMW-44	05/04/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-45	11/22/96	23000	---	<500	<500	---	1100	230	580	2900	<0.50	---	---	---	---	---
GMW-45	07/09/97	1100	---	2700	<2000	---	330	<5	280	930	---	---	---	---	---	---
GMW-45	01/06/98	3200	---	3400	4700	---	286	1.3	188	543	---	---	---	---	---	---
GMW-45	05/20/98	4200	---	---	---	---	270	221	109	569	---	---	---	---	---	---
GMW-45	11/05/98	1400	<100	---	---	---	81	<0.30	40	75	---	---	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-45	05/27/99	3750	3890	---	---	---	420	<0.60	180	390	---	---	---	---	---	---
GMW-45	11/18/99	3960	3100	---	---	---	380	<3	140	100	---	---	---	---	---	---
GMW-45	05/17/00	5200	5500	---	---	---	620	8	87	37	---	---	---	---	---	---
GMW-45	11/29/00	2400	3100	---	---	---	330	1.3	6	4	---	<10	---	---	---	---
GMW-45	05/09/01	6500	4100	---	---	---	620	74	51	420	---	<50	---	---	---	---
GMW-45	11/07/01	5700	3000	---	---	---	730	<3	8.5	19	---	<50	---	---	---	---
GMW-45	04/10/02	9800	6500	---	---	---	900	21	69	240	---	240	---	---	---	---
GMW-45	10/23/02	3200	1300	---	---	---	770	5.5	120	290	---	<5	---	---	---	---
GMW-45	04/10/03	---	1570	---	---	---	344	10.8	5.56	10.1	---	<6	---	---	---	---
GMW-45	10/08/03	---	3400	---	---	---	470	<0.60	6.5	3.7	---	<10	---	---	---	---
GMW-45	04/21/04	---	1400	---	---	---	140	<1	2.5	<1	---	<1	---	---	---	---
GMW-45	11/04/04	---	1500	---	---	---	84	<0.30	3	2.9	---	<5	---	---	---	---
GMW-45	05/05/05	---	6900	---	---	---	670	17	520	720	---	<50	---	---	---	---
GMW-45	11/05/05	---	2200	---	---	---	340	0.46	130	250	---	10	---	---	---	---
GMW-45	05/03/06	---	2400	---	---	---	76	4.1	11	16	---	<5	---	---	---	---
GMW-45	12/05/06	---	1200	---	---	---	67	1.9	3.6	6.4	---	<5	---	---	---	---
GMW-45	05/02/07	---	1500	---	---	---	37	0.56	2	3	---	11	---	---	---	---
GMW-45	11/14/07	---	590	---	---	---	42	<0.50	<0.50	<1	---	9.6	---	---	---	---
GMW-45	04/16/08	---	1500	---	---	---	21	0.52	1.4	2.9	---	<5	---	---	---	---
GMW-45	10/15/08	---	---	---	---	730	9.7	<0.50	1.9	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-45	04/21/09	---	---	---	---	1200	11	<2	<2	<2	---	<2	---	---	---	---
GMW-45	10/21/09	---	---	---	---	1600	15	<0.50	2.2	<0.50	<0.50	<0.50	11	<2	<2	<2
GMW-45	04/12/10	---	---	---	---	1700	85	<0.50	2.6	0.28	---	<0.50	11	<2	<2	<2
GMW-45	10/07/10	---	---	---	---	1400	53	---	---	---	<0.50	<0.50	15	---	---	---
GMW-45	04/14/11	---	---	---	---	1400	150	<0.50	3.6	0.94	<0.50	<0.50	<10	<2	<2	<2
GMW-45	10/11/11	---	---	---	---	1600	43	<0.33	1.8	0.29 J	<0.50	<0.50	41	<2	<2	<2
GMW-45	04/19/12	---	---	---	---	1700	28	0.24 J	1.9	0.8 J	<0.50	<0.50	28	<2	<2	<2
GMW-45	10/17/12	---	---	---	---	1300	44	<0.50	1.6	<0.50	<0.50	<0.50	20	<2	<2	<2
GMW-45	04/11/13	---	---	3400 b	---	---	24	<0.50	1.4	0.59 J	<0.50	<0.50	13	<2	<2	<2
GMW-45	10/30/14	1500	---	3700	---	---	0.78	<0.50	0.52	<1	<0.50	<2	<10	<2	<2	<2
GMW-45	10/10/16	2200	---	4500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-45	05/10/19	3500	---	25000	---	---	90	2.5	42	380	<0.50	<1	<10	<2	<2	<2
GMW-45	11/07/19	4300	---	9400	---	---	99	3.6	49	269.6	<2.5	<1.2	<50	<10	<10	<10
GMW-45	05/11/20	1500	---	2700	---	---	31	<5.0	87	140	<5.0	<12	<100	<20	<20	<20
GMW-45	10/26/20	2700	---	720	---	---	54	<2.5J	29 J	80	<2.5	<6.0	<50	<10	<10	<10
GMW-45	05/10/21	1200	---	1900	---	---	1.1	<1.0	<1.0	<2.0	<1.0	<2.4	<20	<4.0	<4.0	<4.0
GMW-47	11/27/96	9600	---	<500	<500	---	1800	<25	160	660	---	---	---	---	---	---
GMW-47	07/09/97	420	---	93	<400	---	350	<1	170	79	---	---	---	---	---	---
GMW-47	01/06/98	1900	---	<100	1800	---	438	11	75	253	<2.5	<2.5	---	---	---	---
GMW-47	05/20/98	<300	---	---	---	---	1	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-47	11/05/98	1700	<100	---	---	---	910	4.9	18	140	---	---	---	---	---	---
GMW-47	05/26/99	<300	<100	---	---	---	130	<0.30	0.33	3	---	---	---	---	---	---
GMW-47	11/18/99	2100	1200	---	---	---	1100	0.77	5.8	27	---	---	---	---	---	---
GMW-47	05/17/00	7200	8000	---	---	---	2300	700	200	1100	---	---	---	---	---	---
GMW-47	11/29/00	990	1100	---	---	---	280	0.59	2.2	<0.60	---	<5	---	---	---	---
GMW-47	03/30/01	---	<50	---	---	---	---	---	---	---	---	---	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-47	05/09/01	7600	4100	---	---	---	1400	110	55	590	---	16	---	---	---	---
GMW-47	11/07/01	1500	350	---	---	---	410	8.2	8.7	150	---	<50	---	---	---	---
GMW-47	04/10/02	4100	1200	---	---	---	710	150	9.2	360	---	<25	---	---	---	---
GMW-47	10/23/02	4000	2900	---	---	---	430	<5	26	99.9	<2.5	<5	---	---	---	---
GMW-47	04/09/03	---	<100	---	---	---	1.37	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-47	09/18/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-47	10/08/03	140	380	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-47	02/21/04	---	---	---	<100	---	4.2	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---
GMW-47	04/21/04	160	640	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/21/04	330	330	---	---	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---
GMW-47	11/03/04	<100	430	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	03/02/05	170	110	---	---	---	33	<1	5.8	<1	---	<1	---	---	---	---
GMW-47	05/05/05	420	530	---	---	---	22	<0.50	6	17.55	<0.50	<0.50	<10	<2	<2	<2
GMW-47	08/04/05	<100	110	---	---	---	3.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	11/05/05	<100	250	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	03/08/06	<100	160	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	05/03/06	<100	340	---	---	---	2.3	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/28/06	<100	440	---	---	---	0.95	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	12/05/06	<100	200	---	---	---	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	03/23/07	<100	420	---	---	---	11	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	05/02/07	<100	320	---	---	---	4.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	08/31/07	<100	400	---	---	---	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	11/13/07	<100	180	---	---	---	0.83	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	02/07/08	<100	290	---	---	---	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	04/16/08	<100	270	---	---	---	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/29/08	<100	450	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	10/15/08	<100	---	---	---	---	300	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	02/12/09	170	---	---	---	---	460	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	04/20/09	180	---	---	---	---	730	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-47	07/20/09	200	---	---	---	---	1400	<0.50	<0.50	<0.50	<0.50	<0.50	15	<2	<2	<2
GMW-47	10/19/09	170	---	---	---	---	1200	<0.50	<0.50	<0.50	<0.50	<0.50	15	<2	<2	<2
GMW-47	01/11/10	---	---	---	---	---	1300	<0.50	<0.50	<0.50	<0.50	<0.50	17	<2	<2	<2
GMW-47	04/19/10	---	---	---	---	---	930	<0.50	<0.50	<0.50	<0.50	<0.50	13	<2	<2	<2
GMW-47	10/06/10	---	---	---	---	---	1800	0.35 J	---	---	<0.50	<0.50	16	---	---	---
GMW-47	01/11/11	---	---	---	---	---	1600	5.2	<0.50	0.75	<0.50	<0.50	1.2	17	<2	<2
GMW-47	04/14/11	---	---	---	---	---	1800	0.36 J	<0.50	0.27 J	<0.50	<0.50	2.6	<10	<2	<2
GMW-47	07/12/11	---	---	---	---	---	3000	0.54	<0.50	0.58	<0.50	<0.50	3.8	32	<2	<2
GMW-47	10/11/11	---	---	---	---	---	3900	0.55	<0.50	0.99	0.32 J	<0.50	6.1	46	<2	<2
GMW-47	01/10/12	---	---	---	---	---	2900	0.63	<0.50	0.74	0.36 J	<0.50	7.9	110	<2	<2
GMW-47	04/20/12	---	---	---	---	---	2300	0.52	<0.50	0.68	0.31 J	<0.50	5	310	<2	<2
GMW-47	07/10/12	---	---	---	---	---	2600	0.15 J	<0.50	0.29 J	0.31	<0.50	6.5	250	<2	<2
GMW-47	10/17/12	---	---	---	---	---	1400	0.46 J	<0.50	0.17 J	<0.50	<0.50	4.5	310	<2	<2
GMW-47	01/15/13	---	---	580 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	320	<2	<2
GMW-47	04/11/13	---	---	1500 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5.4	150	<2	<2
GMW-47	10/08/13	<100	---	990 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.8	490	<2	<2
GMW-47	04/16/14	<100	---	1500 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6	280	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-47	10/29/14	<100	---	2100	---	---	<0.50	<0.50	<0.50	<1	<0.50	5.8	130	<2	<2	<2
GMW-47	04/28/15	<100	---	2100	---	---	<0.50	<0.50	<0.50	<1	<0.50	5.9	350	<2	<2	<2
GMW-47	10/26/15	<100	---	1300	---	---	<0.50	<0.50	<0.50	<1	<0.50	4.8	31	<2	<2	<2
GMW-47	04/14/16	<100	---	450	---	---	<0.50	<0.50	<0.50	<1	<0.50	5.7	<10	<2	<2	<2
GMW-47	10/07/16	<100	---	2000	---	---	<0.50	<0.50	<0.50	<1	<0.50	4.9	120	<2	<2	<2
GMW-47	04/21/17	<100	---	860	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-47	10/04/17	<100	---	980	---	---	<0.50	<0.50	<0.50	<1	<0.50	8.6	410	<2	<2	<2
GMW-47	04/23/18	<100	---	890	---	---	0.61	<0.50	<0.50	<1	<0.50	6.5	220	<2	<2	<2
GMW-47	11/12/18	<100	---	2400	---	---	<0.50	<0.50	<0.50	<1	<0.50	2.2	24	<2	<2	<2
GMW-47	04/22/19	<100	---	1000	---	---	<0.50	<0.50	<0.50	<1	<0.50	2.6	<10	<2	<2	<2
GMW-47	05/10/19	<100	---	2100	---	---	<0.50	<0.50	<0.50	<1	<0.50	3.2	250	<2	<2	<2
GMW-47	11/06/19	<100	---	600	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	2.0	58	<2.0	<2.0	<2.0
GMW-47	05/08/20	170	---	1800	---	---	1.2	<0.50	<0.50	<1.0	<0.50	14	1100	<2.0	<2.0	<2.0
GMW-47	10/26/20	130	---	750	---	---	<0.50	<0.50J	<0.50J	<1.0	<0.50	5.1	<10	<2.0	<2.0	<2.0
GMW-47	05/10/21	140	---	790	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	1.3	<10	<2.0	<2.0	<2.0
GMW-48	11/22/96	56000	---	<500	<500	---	10000	1800	1500	6900	0.8	---	---	---	---	---
GMW-48	10/09/13	1200 HD	---	3100 HD	---	---	450	0.49 J	1.3	1.48	<0.50	0.78	32	<2	<2	<2
GMW-48	04/17/14	1800 HD	---	1900 HD	---	---	400	<1.2	1.7	1.27	<1.2	<1.2	44	<5	<5	<5
GMW-48	10/31/14	2600	---	3100	---	---	450	<0.50	2.1	<1	<0.50	<2	21	<2	<2	<2
GMW-48	04/29/15	1000	---	2400	---	---	300	<2.5	2.5	<5	<2.5	<10	<50	<10	<10	<10
GMW-48	10/26/15	1500	---	1800	---	---	170	<2.5	18	130	<2.5	<10	<50	<10	<10	<10
GMW-48	10/11/16	470	---	1100	---	---	200	<1	<1	<2	<1	<2	<20	<4	<4	<4
GMW-48	04/21/17	460	---	1500	---	---	190	<0.50	0.5	<1	<0.50	<1	<10	<2	<2	<2
GMW-48	10/09/17	360	---	1400	---	---	190	<1	<1	<2	<1	<2	<20	<4	<4	<4
GMW-48	04/23/18	280	---	810	---	---	130	<2.5	<2.5	<5	<2.5	<5	<50	<10	<10	<10
GMW-48	11/15/18	150	---	690	---	---	1	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-48	04/18/19	<100	---	500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-48	10/30/19	<100	---	450	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-48	05/08/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-48	10/21/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-48	05/05/21	<100	---	150	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-4R	04/18/17	84	---	70	---	---	6.1	<0.50	2.2	1.2	<0.50	0.74	<10	<1	<1	<1
GMW-4R	10/05/17	<50	---	70	---	---	1.3	<0.50	<0.50	<0.50	<0.50	0.56	<10	<1	<1	<1
GMW-4R	04/19/18	100	---	50	---	---	1.1	<0.50	1.2	0.55	<0.50	0.68	<10	<1	<1	<1
GMW-4R	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-4R	04/18/19	<50	---	<50	---	---	<0.50	<0.50	1.6	0.56	<0.50	<0.50	<10	<1	<1	<1
GMW-4R	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-4R	05/08/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-4R	11/05/20	<50	---	58	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-4R	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-50	01/10/12	---	---	---	---	820	48	<0.50	0.24 J	2.5	<0.50	0.47 J	9.6 J	<2	<2	<2
GMW-50	04/14/16	<100	---	440	---	---	35	<0.50	<0.50	<1	<0.50	1.3	<10	<2	<2	<2
GMW-54	04/22/15	<100	---	1800	---	---	<0.50	<0.50	<0.50	<1	<0.50	2.3	<10	<2	<2	<2
GMW-54	04/21/17	<100	---	850	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-56	11/05/98	<300	<100	---	---	---	<0.30	<0.30	16	<0.60	---	---	---	---	---	---
GMW-56	05/27/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-56	11/18/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-56	05/17/00	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
GMW-56	11/29/00	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-56	05/09/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-56	11/07/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
GMW-56	04/10/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	12	---	---	---	---
GMW-56	04/10/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-56	10/08/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-56	04/21/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	11/04/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	05/05/05	---	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	11/05/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	05/03/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	12/08/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	05/02/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	11/14/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	04/16/08	---	<100	---	---	---	<0.50	<0.50	<0.50	0.94	<0.50	<0.50	<10	<2	<2	<2
GMW-56	10/15/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	04/21/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	10/21/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2 J	<2	<2	<2
GMW-56	04/12/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	04/15/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	10/08/13	<100	---	190 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	04/15/14	<100	---	<95	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-56	10/27/14	<100	---	120	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-56	04/22/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-56	04/13/16	<100	---	<100	---	---	<0.50	<0.50	0.62	0.73	<0.50	<1	<10	<2	<2	<2
GMW-56	10/04/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-56	04/18/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-56	10/03/17	<100	---	120	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-56	04/17/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-56	11/05/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-56	04/16/19	<100	---	<100J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-56	10/29/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-56	05/05/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-56	10/21/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-56	05/06/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-57	11/05/98	<300	<100	---	---	---	12	0.63	4.5	0.97	---	---	---	---	---	---
GMW-57	05/26/99	379	<100	---	---	---	150	15	12	55	---	---	---	---	---	---
GMW-57	11/18/99	4000	3600	---	---	---	950	240	150	750	---	---	---	---	---	---
GMW-57	05/17/00	17000	<100	---	---	---	3200	2200	750	4300	---	---	---	---	---	---
GMW-57	11/29/00	11000	7100	---	---	---	2300	21	340	1800	---	<100	---	---	---	---
GMW-57	03/30/01	---	1800	---	---	---	---	---	---	---	---	---	---	---	---	---
GMW-57	05/09/01	28000	12000	---	---	---	3300	3100	690	3600	---	<50	---	---	---	---
GMW-57	11/07/01	19000	11000	---	---	---	3900	1600	390	3400	---	<500	---	---	---	---
GMW-57	04/10/02	5000	5300	---	---	---	720	150	8.2	360	<2.5	<2.5	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-57	10/23/02	1700	2000	---	---	---	690	<0.30	3.2	5.7	---	<5	---	---	---	---
GMW-57	04/09/03	---	<100	---	---	---	<1	<1	<1	<2	---	<3	---	---	---	---
GMW-57	09/18/03	---	170	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-57	10/11/03	200	650	---	---	---	47	<0.50	0.57	<0.50	<0.50	<0.50	---	---	---	---
GMW-57	02/21/04	---	---	---	470	---	190	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---
GMW-57	04/21/04	110	710	---	---	---	21	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/21/04	340	720	---	---	---	48	<0.50	<0.50	<0.50	---	<0.50	270	57	54	50
GMW-57	11/03/04	120	270	---	---	---	22	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/02/05	400	170	---	---	---	190	<1	2.5	<1	---	<1	---	---	---	---
GMW-57	05/05/05	280	170	---	---	---	57	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	08/04/05	170	430	---	---	---	120	<0.50	0.54	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	11/05/05	120	100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/08/06	180	180	---	---	---	4.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	05/03/06	<100	280	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/28/06	180	1100	---	---	---	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	12/05/06	<100	290	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	03/23/07	120	540	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	05/02/07	120	720	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	08/31/07	110	700	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	11/13/07	160	450	---	---	---	0.72	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	02/07/08	150	720	---	---	---	4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/16/08	<100	540	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/29/08	<100	390	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/15/08	<100	---	---	---	210	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	02/12/09	<100	---	---	---	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/20/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/21/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/19/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8.1 J	<2	<2	<2
GMW-57	01/11/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/12/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/06/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-57	01/10/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/11/11	---	---	---	---	<100	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/11/11	---	---	---	---	130	10	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/11/11	---	---	---	---	<100	1.6	<0.50	<0.50	0.48 J	<0.50	<0.50	<10	<2	<2	<2
GMW-57	01/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/17/12	---	---	---	---	200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	07/09/12	---	---	---	---	330	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	10/16/12	---	---	---	---	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	01/14/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-57	04/08/13	---	---	180 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	<10	<2	<2	<2
GMW-57	10/08/13	<100	---	140 HD	---	---	0.34 J	<0.50	<0.50	0.99	<0.50	0.74	<10	<2	<2	<2
GMW-57	04/16/14	<100	---	340 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<10	<2	<2	<2
GMW-57	10/29/14	140	---	380	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-57	04/28/15	<100	---	310	---	---	<0.50	<0.50	<0.50	<1	<0.50	3	<10	<2	<2	<2
GMW-57	10/22/15	<100	---	440	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																	
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME	
GMW-57	04/13/16	<100	---	400	---	---	<0.50	<0.50	0.8	2.8	<0.50	<1	<10	<2	<2	<2	
GMW-57	10/07/16	<100	---	570	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.4	<10	<2	<2	<2	
GMW-57	04/20/17	<100	---	670	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.7	<10	<2	<2	<2	
GMW-57	10/04/17	<100	---	380	---	---	<0.50	<0.50	<0.50	<1	<0.50	5.1	52	<2	<2	<2	
GMW-57	04/17/18	<100	---	370	---	---	<0.50	<0.50	<0.50	<1	<0.50	4.8	72	<2	<2	<2	
GMW-57	11/09/18	<100	---	730	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
GMW-57	04/18/19	<100	---	370	---	---	<0.50	<0.50	<0.50	<1	<0.50	3.2	69	<2	<2	<2	
GMW-57	10/30/19	<100	---	460	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	4.8	87	<2.0	<2.0	<2.0	
GMW-57	05/08/20	160	---	170	---	---	2.3	4.3	9.3	17.7	<0.50	<1.2	32	<2.0	<2.0	<2.0	
GMW-57	10/23/20	<100	---	320	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	15	<2.0	<2.0	<2.0	
GMW-57	05/10/21	<100	---	140	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-58	11/04/98	2590	1700	---	---	---	200	210	67	280	---	---	---	---	---	---	
GMW-58	05/26/99	1360	451	---	---	---	310	62	42	170	---	---	---	---	---	---	
GMW-58	11/18/99	1600	1900	---	---	---	82	26	20	100	---	---	---	---	---	---	
GMW-58	05/17/00	21000	36000	---	---	---	3500	5900	730	3900	---	---	---	---	---	---	
GMW-58	03/02/05	5800	22000	---	---	---	1700	<20	250	400	---	<20	---	---	---	---	
GMW-58	05/05/05	12000	36000	---	---	---	410	<2.5	13	600	<2.5	<2.5	<50	<10	<10	<10	
GMW-58	08/04/05	5800	24000	---	---	---	500	<2.5	56	124	<2.5	<2.5	<50	<10	<10	<10	
GMW-58	11/05/05	6300	9700	---	---	---	560	<2.5	380	196	<2.5	<2.5	<50	<10	<10	<10	
GMW-58	03/08/06	5300	34000	---	---	---	250	<2.5	140	21.1	<2.5	<2.5	<50	<10	<10	<10	
GMW-58	05/03/06	2900	16000	---	---	---	260	<1	85	27.3	<1	<1	<20	<4	<4	<4	
GMW-58	07/28/06	3200	15000	---	---	---	310	<1	78	22.7	<1	<1	<20	<4	<4	<4	
GMW-58	03/23/07	1700	4100	---	---	---	350	<1	5.9	<1	<1	<1	<20	<4	<4	<4	
GMW-58	05/02/07	2200	2500	---	---	---	320	<1	9.5	<1	<1	<1	<20	<4	<4	<4	
GMW-58	08/31/07	3000	2400	---	---	---	240	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10	
GMW-58	11/13/07	2000	720	---	---	---	240	<1	7.4	<1	<1	<1	<20	<4	<4	<4	
GMW-58	02/07/08	1100	5000	---	---	---	270	<1	1.8	<1	<1	<1	<20	<4	<4	<4	
GMW-58	04/16/08	1100	720	---	---	---	310	<2.5	<2.5	<2.5	8.4	<2.5	<50	<10	<10	<10	
GMW-58	07/29/08	870	750	---	---	---	45	<0.50	<0.50	<0.50	<0.50	0.77	<10	<2	<2	<2	
GMW-58	10/15/08	1200	---	---	---	---	840	<0.50	0.67	0.62	<0.50	<0.50	<10	<2	<2	<2	
GMW-58	02/12/09	1000	---	---	---	---	2200	<0.50	0.85	<0.50	<0.50	0.55	<10	<2	<2	<2	
GMW-58	04/20/09	130	---	---	---	---	230	<0.50	<0.50	<0.50	<0.50	13	<10	<2	<2	<2	
GMW-58	07/20/09	100	---	---	---	---	300	<0.50	<0.50	<0.50	<0.50	6.4	<10	<2	<2	<2	
GMW-58	10/19/09	1000	---	---	---	---	2200	<0.50	9.5	0.24 J	<0.50	<0.50	1.5	6 J	<2	<2	
GMW-58	01/11/10	---	---	---	---	---	190	<0.50	9.7	<0.50	<0.50	<0.50	1.7	3.8 J	<2	<2	
GMW-58	04/19/10	---	---	---	---	---	300	<0.50	12	<0.50	<0.50	<0.50	0.81	5.7 J	<2	<2	
GMW-58	10/06/10	---	---	---	---	---	170	8.6	---	---	<0.50	<0.50	<10	---	---	---	
GMW-58	01/10/11	---	---	---	---	---	410	5.8	<0.50	<0.50	<0.50	0.46 J	<10	<2	<2	<2	
GMW-58	04/13/11	---	---	---	---	---	1300	94	<0.50	0.35 J	<0.50	<0.50	<10	<2	<2	<2	
GMW-58	07/11/11	---	---	---	---	---	220	31	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-58	10/11/11	---	---	---	---	---	350	27	<0.50	<0.50	<0.50	0.65	<10	<2	<2	<2	
GMW-58	04/18/12	---	---	---	---	---	710	28	<0.50	0.18 J	0.48 J	0.82	0.54	<10	<2	<2	<2
GMW-58	07/10/12	---	---	---	---	---	890	27	<0.50	<0.50	<0.50	0.46 J	18	<2	<2	<2	
GMW-58	10/17/12	---	---	---	---	---	790	18	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-58	01/15/13	---	---	420 b	---	---	8.7	<0.50	<0.50	0.32	<0.50	<0.50	17	<2	<2	<2	
GMW-58	04/10/13	---	---	1600 b	---	---	6.7	<0.50	<0.50	<0.50	<0.50	0.46 J	25	<2	<2	<2	

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																	
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME	
GMW-58	10/08/13	460 HD	---	1200 HD	---	---	4.7	<0.50	<0.50	<0.50	<0.50	0.43 J	15	<2	<2	<2	
GMW-58	04/16/14	600 HD	---	920 HD	---	---	12	<0.50	0.24 J	<0.50	<0.50	0.64	17	<2	<2	<2	
GMW-58	10/29/14	280	---	340	---	---	37	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2	
GMW-58	04/28/15	<100	---	410	---	---	1.1	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2	
GMW-58	04/15/16	<100	---	290	---	---	1.3	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
GMW-58	04/20/17	150	---	1400	---	---	1.6	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
GMW-58	10/09/17	<100	---	960	---	---	21	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
GMW-58	11/07/19	390	---	1400	---	---	19	<0.50	0.73	3.28	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-58	05/11/20	<100	---	140	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-58	10/22/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-58	05/05/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-59	11/04/98	9880	12400	---	---	---	950	600	210	620	---	---	---	---	---	---	
GMW-59	11/29/00	67000	21000	---	---	---	3500	900	750	3600	---	<130	---	---	---	---	
GMW-59	04/10/03	---	29600	---	---	---	261	4.8	18.4	110	---	<3	---	---	---	---	
GMW-59	10/08/03	---	4900	---	---	---	760	<3	65	450	---	<50	---	---	---	---	
GMW-59	04/21/04	---	5000	---	---	---	590	<1	100	275.6	---	380	---	---	---	---	
GMW-59	11/03/04	---	4000	---	---	---	95	<0.60	15	18	---	<10	---	---	---	---	
GMW-59	03/02/05	4200	23000	---	---	---	400	<5	130	22	---	35	---	---	---	---	
GMW-59	05/05/05	11000	9400	---	---	---	170	<0.50	60	7.8	<0.50	11	<10	<2	<2	<2	
GMW-59	08/04/05	6400	17000	---	---	---	140	<1	56	6.6	<1	<1	<20	<4	<4	<4	
GMW-59	11/05/05	9500	26000	---	---	---	270	<0.50	26	2.2	<0.50	<0.50	<10	<2	<2	<2	
GMW-59	03/08/06	4600	13000	---	---	---	260	<1	7.4	<1	<1	<1	<20	<4	<4	<4	
GMW-59	05/03/06	9900	9300	---	---	---	210	<1	4	<1	<1	<1	<20	<4	<4	<4	
GMW-59	07/28/06	3200	37000	---	---	---	540	<1	3.1	<1	<1	4.8	<20	<4	<4	<4	
GMW-59	12/05/06	---	9000	---	---	---	800	4.3	5.2	11	---	<10	---	---	---	---	
GMW-59	03/23/07	8200	15000	---	---	---	840	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10	
GMW-59	05/02/07	4800	7400	---	---	---	1100	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10	
GMW-59	08/31/07	4800	3500	---	---	---	720	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10	
GMW-59	11/13/07	4700	2200	---	---	---	660	<5	<5	<5	<5	<5	<100	<20	<20	<20	
GMW-59	02/07/08	3200	3900	---	---	---	490	<2.5	3.8	<2.5	<2.5	2.7	<50	<10	<10	<10	
GMW-59	04/16/08	3600	2100	---	---	---	580	<2.5	3.5	<2.5	15	3.7	<50	<10	<10	<10	
GMW-59	07/29/08	2300	2900	---	---	---	580	<2.5	<2.5	<2.5	<2.5	3.3	<50	<10	<10	<10	
GMW-59	10/15/08	2500	---	---	---	---	2400	<2.5	<2.5	<2.5	<2.5	5.5	<50	<10	<10	<10	
GMW-59	02/12/09	2500	---	---	---	---	2600	<2.5	<2.5	<2.5	<2.5	3.2	<50	<10	<10	<10	
GMW-59	04/20/09	8500	---	---	---	---	19000	<2.5	<2.5	<2.5	<2.5	2.7	<50	<10	<10	<10	
GMW-59	07/20/09	6700	---	---	---	---	11000	<2.5	<2.5	<2.5	<2.5	3.5	<50	<10	<10	<10	
GMW-59	10/21/09	2600	---	---	---	---	3000	<2.5	1.4 J	<2.5	<2.5	16	18 J	<10	<10	<10	
GMW-59	01/11/10	---	---	---	---	---	1900	<10	<10	<10	<10	17	<200	<40	<40	<40	
GMW-59	04/19/10	2900	---	---	---	---	1700	<0.50	1.9	<0.50	<0.50	2.3	11	<2	<2	<2	
GMW-59	10/06/10	850	---	---	---	---	1500	87	---	---	<0.50	3.5	17	---	---	---	
GMW-59	01/11/11	2500	---	---	---	---	4100	<0.50	1.1	<0.50	<0.50	8.8	23	<2	<2	<2	
GMW-59	04/14/11	10000	---	---	---	---	3800	<0.50	0.85	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-59	07/12/11	1400	---	---	---	---	1700	<0.50	0.43 J	<0.50	<0.50	<0.50	8 J	<2	<2	<2	
GMW-59	10/11/11	<1800	---	---	---	---	2500	<0.24	0.78	<0.50	<0.50	2.1	13	<2	<2	<2	
GMW-59	01/10/12	2800	---	---	---	---	2600	<0.50	0.24 J	0.54	<0.50	<0.50	5.2	16	<2	<2	<2
GMW-59	04/20/12	3100	---	---	---	---	3800	0.27 J	0.85	0.24 J	<0.50	8.4	36	<2	<2	<2	

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-59	07/10/12	---	---	---	---	6300	1100	<5	1.5 J	<5	<5	9.7	<100	<20	<20	<20
GMW-59	10/19/12	3400 bD	---	---	---	4800	1000	<5	1.8 J	<5	<5	7.8	<100	<20	<20	<20
GMW-59	01/15/13	2400	---	1500 b	---	---	670	<2.5	1.6 J	<2.5	<2.5	7.4	<50	<10	<10	<10
GMW-59	04/12/13	2500 bD	---	8200	---	---	680	<2.5	2.2 J	<2.5	<2.5	6.6	<50	<10	<10	<10
GMW-59	10/09/13	1400 HD	---	3100 HD	---	---	240	<0.50	0.76	0.3	<0.50	5.1	<10	<2	<2	<2
GMW-59	04/18/14	5600 HD	---	7700 HD	---	---	170	<0.50	1.5	0.99	<0.50	3.5	14	<2	<2	<2
GMW-59	11/03/14	1500	---	2000	---	---	300	<0.50	0.93	<1	<0.50	<2	<10	<2	<2	<2
GMW-59	04/29/15	910	---	1600	---	---	150	<2.5	<2.5	<5	<2.5	<10	<50	<10	<10	<10
GMW-59	10/26/15	3000	---	2600	---	---	180	<5	34	240	<5	<20	<100	<20	<20	<20
GMW-59	04/14/16	640	---	3300	---	---	87	<0.50	<0.50	<1	<0.50	1	<10	<2	<2	<2
GMW-59	10/11/16	470	---	1800	---	---	110	<1	<1	<2	<1	<2	<20	<4	<4	<4
GMW-59	04/21/17	400	---	1300	---	---	130	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-59	10/09/17	210	---	960	---	---	17	<1	<1	<2	<1	<2	<20	<4	<4	<4
GMW-59	04/23/18	<100	---	770	---	---	0.81	<0.50	<0.50	0.5	<0.50	<1	<10	<2	<2	<2
GMW-59	11/09/18	<100	---	100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-59	04/18/19	<100	---	340	---	---	1	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-59	10/30/19	<100	---	480	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-59	05/08/20	<100	---	150	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-59	10/22/20	<100	---	260	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-59	05/10/21	<100	---	450	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-60	07/21/04	15000	5300	---	---	---	1700	160	710	2050	---	<0.50	---	---	---	---
GMW-60	11/03/04	12000	3500	---	---	---	1700	70	900	1780	<5	<5	<100	<20	<20	<20
GMW-60	03/02/05	8300	4900	---	---	---	1300	<20	860	2040	---	<20	---	---	---	---
GMW-60	05/05/05	9400	4600	---	---	---	1100	<5	790	1740	<5	<5	<100	<20	<20	<20
GMW-60	08/04/05	6200	5600	---	---	---	1000	<5	680	1070	<5	<5	<100	<20	<20	<20
GMW-60	11/05/05	7200	4400	---	---	---	970	<5	710	1130	<5	<5	<100	<20	<20	<20
GMW-60	03/08/06	5900	5200	---	---	---	680	<5	640	800	<5	<5	<100	<20	<20	<20
GMW-60	05/03/06	3900	2200	---	---	---	770	<5	230	235	<5	<5	<100	<20	<20	<20
GMW-60	07/28/06	4600	4900	---	---	---	850	<5	170	102	<5	<5	<100	<20	<20	<20
GMW-60	12/05/06	4100	920	---	---	---	660	<5	130	92	<5	<5	<100	<20	<20	<20
GMW-60	03/23/07	3500	1700	---	---	---	490	<2.5	87	80	<2.5	<2.5	<50	<10	<10	<10
GMW-60	05/02/07	2800	630	---	---	---	300	<2.5	18	23	<2.5	<2.5	<50	<10	<10	<10
GMW-60	08/31/07	2000	660	---	---	---	250	<2.5	18	5.9	<2.5	<2.5	<50	<10	<10	<10
GMW-60	11/13/07	1500	<100	---	---	---	180	<0.50	21	4.3	<0.50	<0.50	<10	<2	<2	<2
GMW-60	02/07/08	1700	290	---	---	---	270	0.8	65	47.9	<0.50	<0.50	<10	<2	<2	<2
GMW-60	04/16/08	1400	920	---	---	---	160	<1	24	<1	<1	<1	<20	<4	<4	<4
GMW-60	07/29/08	2000	610	---	---	---	240	<1	3.9	<1	<1	<1	<20	<4	<4	<4
GMW-60	10/15/08	1400	---	---	---	---	270	<1	2.7	<1	<1	<1	<20	<4	<4	<4
GMW-60	02/12/09	1600	---	---	---	---	490	<1	2.5	<1	<1	<1	<20	<4	<4	<4
GMW-60	04/20/09	3500	---	---	---	---	1100	<5	7.9	<5	<5	<5	<100	<20	<20	<20
GMW-60	07/20/09	3200	---	---	---	---	1700	<5	11	<5	<5	<5	<100	<20	<20	<20
GMW-60	10/19/09	2600	---	---	---	---	930	<5	8.8	<5	<5	<5	<100	<20	<20	<20
GMW-60	01/11/10	---	---	---	---	<100	940	<5	12	<5	<5	<1	<100	<20	<20	<20
GMW-60	04/13/10	1900	---	---	---	---	1300	<0.50	8.7	0.26	<0.50	<0.50	<10	<2	<2	<2
GMW-60	10/06/10	560	---	---	---	---	1900	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-60	01/11/11	3200	---	---	---	---	2100	<0.50	12	<0.50	<0.50	<0.50	<10	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-60	04/15/11	2100	---	---	---	1200	590	<0.50	9.8	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-60	07/12/11	2200	---	---	---	1500	560	<0.50	10	0.27 J	<0.50	<0.50	8.8 J	<2	<2	<2
GMW-60	10/11/11	2300	---	---	---	1500	510	<0.50	9.1	0.38 J	<0.50	<0.50	<10	<2	<2	<2
GMW-60	01/10/12	2100	---	---	---	990	210	0.3 J	7.3	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-60	04/20/12	1200	---	---	---	1300	13	<0.50	3.1	0.36 J	<0.50	<0.50	14	<2	<2	<2
GMW-60	07/10/12	---	---	---	---	1200	5.1	<0.50	0.7	0.24	<0.50	<0.50	69	<2	<2	<2
GMW-60	10/17/12	630 b	---	---	---	1100	1.5	<0.50	0.4 J	<0.50	<0.50	<0.50	280	<2	<2	<2
GMW-60	01/15/13	610	---	460 b	---	---	4.3	<0.50	0.37 J	<0.50	<0.50	<0.50	620	<2	<2	<2
GMW-60	04/11/13	1000 b	---	3200 b	---	---	61	<0.50	1.6	0.73 J	<0.50	<0.50	460	<2	<2	<2
GMW-60	10/09/13	920 HD	---	2300 HD	---	---	25	<0.50	0.7	0.59	<0.50	<0.50	800	<2	<2	<2
GMW-60	04/17/14	650	---	2700 HD	---	---	11	<1	0.3 J	<1	<1	<1	1200	<4	<4	<4
GMW-60	10/30/14	470	---	1500	---	---	8.6	<0.50	<0.50	<1	<0.50	<2	680	<2	<2	<2
GMW-60	04/28/15	330	---	2000	---	---	3.1	<0.50	<0.50	<1	<0.50	<2	1600	<2	<2	<2
GMW-60	10/26/15	<100	---	870	---	---	0.98	<0.50	<0.50	<1	<0.50	<2	43	<2	<2	<2
GMW-60	04/13/16	110	---	100	---	---	5.1	<0.50	0.69	2.6	<0.50	<1	<10	<2	<2	<2
GMW-60	10/07/16	<100	---	870	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-60	04/20/17	220	---	1200	---	---	26	<0.50	2.4	<1	<0.50	<1	55	<2	<2	<2
GMW-60	10/09/17	<100	---	430	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-60	04/17/18	<100	---	210	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-60	11/09/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-60	04/16/19	<100	---	<260	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-60	10/30/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-60	05/05/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-60	10/21/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-60	05/05/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-61	07/21/04	19000	14000	---	---	---	2400	1700	1000	4000	---	<0.50	---	---	---	---
GMW-61	11/03/04	23000	5700	---	---	---	2500	2200	1200	5000	<5	<5	<100	<20	<20	<20
GMW-61	03/02/05	20000	10000	---	---	---	2700	1900	1100	5900	---	<20	---	---	---	---
GMW-61	05/05/05	11000	7000	---	---	---	2000	310	840	2500	<10	<10	<200	<40	<40	<40
GMW-61	08/04/05	11000	12000	---	---	---	1900	740	740	3500	<10	<10	<200	<40	<40	<40
GMW-61	11/05/05	16000	10000	---	---	---	2600	480	1100	4900	<10	<10	<200	<40	<40	<40
GMW-61	03/08/06	11000	7900	---	---	---	2100	280	1000	2700	<10	<10	<200	<40	<40	<40
GMW-61	05/03/06	9600	7300	---	---	---	1900	89	810	2030	<10	<10	<200	<40	<40	<40
GMW-61	07/28/06	7200	9900	---	---	---	1400	20	460	1290	<10	<10	<200	<40	<40	<40
GMW-61	12/05/06	7900	4000	---	---	---	1500	19	330	2050	<5	<5	<100	<20	<20	<20
GMW-61	03/23/07	7500	3100	---	---	---	1200	16	220	1340	<5	<5	<100	<20	<20	<20
GMW-61	05/02/07	11000	3000	---	---	---	1600	27	290	2090	<5	<5	<100	<20	<20	<20
GMW-61	08/31/07	9200	1600	---	---	---	1500	17	190	1170	<0.50	<0.50	<10	<2	<2	<2
GMW-61	11/13/07	2300	<100	---	---	---	580	6.3	99	360	<5	<5	<100	<20	<20	<20
GMW-61	02/07/08	2600	890	---	---	---	330	8.6	70	363	<2.5	<2.5	<50	<10	<10	<10
GMW-61	04/16/08	2000	1100	---	---	---	480	5	64	399	<2.5	<2.5	<50	<10	<10	<10
GMW-61	07/29/08	1500	790	---	---	---	400	<2.5	28	129.3	<2.5	<2.5	<50	<10	<10	<10
GMW-61	10/15/08	1300	---	---	---	500	450	<2.5	34	149.5	<2.5	<2.5	<50	<10	<10	<10
GMW-61	02/12/09	1100	---	---	---	<100	340	<2.5	13	57	<2.5	<2.5	<50	<10	<10	<10
GMW-61	04/20/09	1100	---	---	---	550	490	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
GMW-61	07/20/09	760	---	---	---	560	350	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																	
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME	
GMW-61	10/19/09	620	---	---	---	410	320	<2.5	1.2 J	<2.5	<2.5	<2.5	<50	<10	<10	<10	
GMW-61	01/11/10	---	---	---	---	<100	190	<1	0.99 J	<1	<1	<1	<20	<4	<4	<4	
GMW-61	04/15/10	740	---	---	---	500	380	<0.50	1.7	<0.50	<0.50	<0.50	3.7 J	<2	<2	<2	
GMW-61	10/06/10	1200	---	---	---	550	100	---	---	---	<0.50	<0.50	<10	---	---	---	
GMW-61	01/10/11	800	---	---	---	910	190	<0.50	1.8	0.48	<0.50	<0.50	<10	<2	<2	<2	
GMW-61	04/14/11	790	---	---	---	700	110	<0.50	1.2	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-61	07/12/11	230	---	---	---	240	6.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-61	10/11/11	140	---	---	---	<100	<0.50	<0.70	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-61	01/10/12	210	---	---	---	100	0.15 J	1.1	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
GMW-61	04/19/12	190	---	---	---	250	9.1	0.63	0.2 J	0.33 J	<0.50	<0.50	27	<2	<2	<2	
GMW-61	07/10/12	---	---	---	---	510	110	0.29 J	0.87	0.28	<0.50	<0.50	14	<2	<2	<2	
GMW-61	10/19/12	1500 b	---	---	---	800	290	0.87	2.5	0.63	<0.50	<0.50	<10	<2	<2	<2	
GMW-61	01/15/13	130	---	140 b	---	---	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	69	<2	<2	<2	
GMW-61	04/11/13	<100	---	340 b	---	---	0.43 J	<0.50	<0.50	<0.50	<0.50	<0.50	60	<2	<2	<2	
GMW-61	10/08/13	130 HD	---	390 HD	---	---	9.4	<0.50	<0.50	<0.50	<0.50	<0.50	210	<2	<2	<2	
GMW-61	04/17/14	220 HD	---	190 HD	---	---	9.9	<0.50	0.18 J	0.31	<0.50	<0.50	55	<2	<2	<2	
GMW-61	10/29/14	120	---	200	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	110	<2	<2	<2	
GMW-61	04/28/15	130	---	260	---	---	12	<0.50	<0.50	<1	<0.50	<2	130	<2	<2	<2	
GMW-61	04/14/16	<100	---	330	---	---	0.65	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
GMW-61	10/07/16	<100	---	390	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
GMW-61	04/20/17	140	---	1200	---	---	18	<0.50	<0.50	5.6	<0.50	<1	<10	<2	<2	<2	
GMW-61	10/09/17	<100	---	1000	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
GMW-61	04/23/18	<100	---	440	---	---	0.61	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-61	11/09/18	<100	---	610	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
GMW-61	04/18/19	<100	---	210	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
GMW-61	11/06/19	<100	---	340	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-61	05/08/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-61	10/21/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-61	05/05/21	<100	---	21000	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0	
GMW-62	11/14/07	4200	<100	---	---	---	1400	85	160	92	<5	<5	<100	<20	<20	<20	
GMW-62	02/07/08	4100	1400	---	---	---	2100	190	450	610	<5	<5	<100	<20	<20	<20	
GMW-62	04/17/08	1000	500	---	---	---	430	15	50	23.9	<5	<5	<100	<20	<20	<20	
GMW-62	07/29/08	2400	1000	---	---	---	1300	33	160	109	<2.5	<2.5	<50	<10	<10	<10	
GMW-62	10/15/08	2800	---	---	---	---	180	1700	19	220	161	<5	<5	<100	<20	<20	<20
GMW-62	02/12/09	3600	---	---	---	---	1600	1800	5.1	150	164	<5	<5	<100	<20	<20	<20
GMW-62	04/23/09	1500	---	---	---	---	150	370	<2.5	25	5.2	<2.5	<2.5	<50	<10	<10	<10
GMW-62	07/21/09	1800	---	---	---	---	1100	1200	<2.5	67	36	<2.5	<2.5	<50	<10	<10	<10
GMW-62	10/21/09	2200	---	---	---	---	480	1700	<2.5	43	12.9	<2.5	<2.5	<50	<10	<10	<10
GMW-62	01/12/10	---	---	---	---	---	2200	3900	<10	22	30.4	100	<1	<200	<40	<40	<40
GMW-62	04/14/10	2400	---	---	---	---	430	1600	0.6	26	45	<0.50	<0.50	<10	<2	<2	<2
GMW-62	10/05/10	6700	---	---	---	---	3400	1200	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-62	11/05/18	8400	---	2600	---	---	1500	<10	12	910	<10	<20	<200	<40	<40	<40	
GMW-62	04/15/19	17000	---	3100	---	---	2700	<5	660	2100	<5	<10	<100	<20	<20	<20	
GMW-62	10/28/19	1500	---	7800	---	---	14	<1.0	<1.0	25.2	<1.0	<2.4	<20	<4.0	<4.0	<4.0	
GMW-62	05/04/20	2200	---	130000	---	---	160	<1.0	59	201	<1.0	<2.4	<20	<4.0	<4.0	<4.0	
GMW-62	10/19/20	1600	---	1000	---	---	150	<1.0	100	140	<1.0	<2.4	<20	<4.0	<4.0	<4.0	

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-62	05/03/21	1000	---	6200	---	---	13	<0.50	81	71	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-63	10/15/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	02/12/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/23/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	07/21/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/22/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	01/12/10	---	---	---	---	<100	0.39 J	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/14/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/05/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-63	01/10/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	07/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	01/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	07/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	01/14/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/09/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	10/07/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	04/15/14	<100	---	<95	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-63	12/17/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-63	04/20/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-63	10/21/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-63	04/11/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-63	10/03/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-63	04/17/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-63	10/02/17	<100	---	170	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-63	10/25/17	---	---	440	---	---	---	---	---	---	---	---	---	---	---	---
GMW-63	04/16/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-63	11/05/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-63	04/15/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-63	10/28/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-63	05/04/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-63	10/19/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-63	05/03/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-64	10/15/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	02/12/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/23/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	07/21/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/21/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	01/12/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/14/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/05/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-64	01/10/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-64	07/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	01/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	07/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	01/14/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/09/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	10/07/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	04/15/14	<100	---	<95	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-64	12/17/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-64	04/20/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-64	10/21/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-64	04/11/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-64	10/03/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-64	04/17/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-64	10/02/17	<100	---	220	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-64	10/25/17	---	---	620	---	---	---	---	---	---	---	---	---	---	---	---
GMW-64	04/16/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-64	11/05/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-64	04/15/19	<100	---	140	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-64	10/28/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-64	05/04/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-64	10/19/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-64	05/03/21	<100	---	100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-65	10/22/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	01/12/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/14/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	10/05/10	---	---	---	---	100	0.32 J	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-65	01/10/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/13/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	07/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	10/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	01/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	07/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	10/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	01/14/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/09/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	10/07/13	<100	---	210 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	04/15/14	<100	---	<95	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-65	12/17/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-65	04/20/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-65	10/21/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-65	04/11/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-65	10/03/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-65	04/17/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-65	10/02/17	<100	---	100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-65	10/25/17	---	---	320	---	---	---	---	---	---	---	---	---	---	---	---
GMW-65	04/16/18	<100	---	110	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-65	11/05/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-65	04/15/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-65	10/28/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-65	05/04/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-65	10/19/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-65	05/03/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-66	10/22/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	04/19/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/06/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
GMW-66	04/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	04/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	04/08/13	---	---	130 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/07/13	<100	---	150 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	04/15/14	<100	---	96 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GMW-66	10/28/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GMW-66R	04/13/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-66R	10/04/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-66R	04/18/17	<100	---	120	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-66R	10/04/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-66R	04/17/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-66R	11/05/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-66R	04/16/19	<100	---	<190	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-66R	10/29/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-66R	05/05/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-66R	10/21/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-66R	05/05/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-67	10/21/15	900	---	140	---	---	71	<0.50	110	82	<0.50	<2	<10	<2	<2	<2
GMW-67	04/11/16	310	---	<100	---	---	22	<0.50	73	6.8	<0.50	<1	<10	<2	<2	<2
GMW-67	10/03/16	<100	---	<100	---	---	4.2	<0.50	0.96	<1	<0.50	<1	<10	<2	<2	<2
GMW-67	04/17/17	<100	---	<100	---	---	2.5	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-67	10/02/17	<100	---	520	---	---	2.6	<0.50	0.7	0.51	<0.50	<1	<10	<2	<2	<2
GMW-67	04/16/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-67	11/05/18	<100	---	<100	---	---	0.5	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-67	04/15/19	<100	---	230	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-67	10/28/19	150	---	<100	---	---	0.75	<0.50	3.6	1.3	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-67	05/04/20	270	---	110	---	---	2.5	<0.50	5.6	8.9	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-67	10/19/20	110	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-67	05/03/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-68	10/21/15	17000	---	810	---	---	2200	46	800	3700	<10	<40	<200	<40	<40	<40
GMW-68	04/11/16	15000	---	810	---	---	2300	17	1200	4700	<10	<20	<200	<40	<40	<40

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-69	10/21/15	2900	---	330	---	---	350	<5	400	380	<5	<20	<100	<20	<20	<20
GMW-69	04/11/16	2400	---	350	---	---	230	<2.5	390	360	<2.5	<5	<50	<10	<10	<10
GMW-69	10/03/16	1600	---	210	---	---	240	<2.5	290	190	<2.5	<5	<50	<10	<10	<10
GMW-69	04/17/17	740	---	150	---	---	84	<1	140	16	<1	<2	<20	<4	<4	<4
GMW-69	10/02/17	2100	---	380	---	---	220	<1	210	120	<1	<2	<20	<4	<4	<4
GMW-69	10/25/17	---	---	830	---	---	870	4.8	950	1000	<2.5	<5	<50	<10	<10	<10
GMW-69	04/16/18	3600	---	530	---	---	370	<5	300	93	<5	<10	<100	<20	<20	<20
GMW-69	11/05/18	1300	---	720	---	---	190	<5	<5	<10	<5	<10	<100	<20	<20	<20
GMW-69	04/15/19	130	---	230	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GMW-69	10/28/19	710	---	180	---	---	58	<0.50	33	22	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-69	05/04/20	1300	---	490	---	---	140	<0.50	5.8	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-69	10/19/20	930	---	300	---	---	110	<1.0	21	<2.0	<1.0	<2.4	<20	<4.0	<4.0	<4.0
GMW-69	05/03/21	530	---	280	---	---	28	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GMW-O-1	11/21/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	0.53	<5	---	---	---	---
GMW-O-1	07/09/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	0.85	<5	---	---	---	---
GMW-O-1	01/06/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-1	05/20/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-O-1	08/24/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/02/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<1	<1	<0.50	---	---	---	---
GMW-O-1	08/10/99	<500	---	<1000	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
GMW-O-1	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	08/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.5	<0.50	---	---	---	---
GMW-O-1	11/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/05/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	11/06/01	<300	<100	---	---	---	11	<0.50	0.7	0.6	0.5	<0.50	---	---	---	---
GMW-O-1	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	07/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	10/24/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	01/28/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	10/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	01/29/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	07/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	11/04/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	---	---	---	---
GMW-O-1	08/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-1	02/28/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	09/20/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	12/08/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	03/12/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	08/28/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	11/14/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/20/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	08/13/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	10/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-1	02/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	---	---	---
GMW-O-1	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	07/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	03/15/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	07/12/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/05/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	01/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	07/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/10/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	01/09/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	07/10/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	01/14/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	03/14/16	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	06/29/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	08/22/16	<50	---	100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/20/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-1	11/01/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-1	05/06/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-1	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-1	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	11/21/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	12	<5	---	---	---	---
GMW-O-2	07/09/97	<100	---	<500	---	---	<0.50	0.5	<0.50	<1	<0.50	<5	---	---	---	---
GMW-O-2	01/07/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	13	<5	---	---	---	---
GMW-O-2	05/20/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	14	<0.50	---	---	---	---
GMW-O-2	11/11/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	05/05/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-O-2	11/16/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	---	---	---	---
GMW-O-2	11/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.6	<0.50	---	---	---	---
GMW-O-2	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	11	<0.50	---	---	---	---
GMW-O-2	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.6	<0.50	---	---	---	---
GMW-O-2	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	07/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	10/24/02	<300	460	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	01/15/03	<300	<100	---	---	---	---	---	---	---	---	---	---	---	---	---
GMW-O-2	01/28/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4.1	<0.50	---	---	---	---
GMW-O-2	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1	<0.50	---	---	---	---
GMW-O-2	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	10/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	01/29/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	07/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	11/04/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	02/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	5	<0.50	---	---	---	---
GMW-O-2	08/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	02/28/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	09/20/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	12/08/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	03/12/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	05/03/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	08/28/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	11/14/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	02/20/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	08/13/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	10/16/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-2	02/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	---	---	---
GMW-O-2	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	07/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/20/09	<50	130	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-2	03/16/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	07/13/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/05/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	01/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	07/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/10/11	<50	140	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	01/09/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	07/10/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	01/14/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	03/14/16	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	06/29/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/20/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-2	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	05/06/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-2	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	11/27/96	---	---	---	---	---	2900	1000	1200	1950	<10	260	---	---	---	---
GMW-O-3	07/14/97	14000	---	1300	---	---	1500	410	700	1200	<10	<100	---	---	---	---
GMW-O-3	01/09/98	3200	---	720	---	---	930	55	390	599	38	<50	---	---	---	---
GMW-O-3	05/26/98	5400	---	---	---	---	850	20	170	140	<5	<5	---	---	---	---
GMW-O-3	08/26/98	3290	1710	---	---	---	329	31	140	300	<2.5	<2.5	---	---	---	---
GMW-O-3	11/17/98	4800	5810	---	---	---	1500	<100	350	400	<100	<100	---	---	---	---
GMW-O-3	02/03/99	3800	---	<500	---	---	250	<2.5	34	17	<5	<2.5	---	---	---	---
GMW-O-3	05/07/99	2900	---	<500	---	---	170	1.2	3.4	5.3	<1	<0.50	---	---	---	---
GMW-O-3	08/10/99	<500	---	<1000	---	---	56	1.6	2.3	<1	1.2	<1	---	---	---	---
GMW-O-3	11/17/99	340	<100	---	---	---	15	0.5	1.9	1.9	<0.50	<0.50	---	---	---	---
GMW-O-3	02/29/00	<300	170	---	---	---	12	<0.50	1.2	1.1	<0.50	<0.50	---	---	---	---
GMW-O-3	05/17/00	1800	1000	---	---	---	290	32	33	180	<0.50	<0.50	---	---	---	---
GMW-O-3	08/29/00	580	3600	---	---	---	130	2.5	13	23	<0.50	<0.50	---	---	---	---
GMW-O-3	11/28/00	1500	820	---	---	---	350	13	43	93.1	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-3	02/05/01	1800	770	---	---	---	420	26	40	55	<10	<10	---	---	---	---
GMW-O-3	05/10/01	2000	560	---	---	---	380	4.5	32	42	<2.5	<2.5	---	---	---	---
GMW-O-3	09/19/01	840	360	---	---	---	230	<2.5	17	11	<2.5	<2.5	---	---	---	---
GMW-O-3	11/07/01	520	<100	---	---	---	120	<2.5	7.2	6	<2.5	<2.5	---	---	---	---
GMW-O-3	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	04/09/02	1200	<100	---	---	---	260	2.6	13	9.8	<0.50	<0.50	---	---	---	---
GMW-O-3	07/30/02	380	250	---	---	---	150	1.6	5.1	4.6	<0.50	<0.50	---	---	---	---
GMW-O-3	10/24/02	310	120	---	---	---	79	0.65	1.9	1.2	<0.50	<0.50	---	---	---	---
GMW-O-3	01/15/03	<300	<100	---	---	---	---	---	---	---	---	---	---	---	---	---
GMW-O-3	01/28/03	550	160	---	---	---	140	3	9.1	14.2	<0.50	<0.50	---	---	---	---
GMW-O-3	04/08/03	660	200	---	---	---	170	1.6	9.2	<1	<2	<1	---	---	---	---
GMW-O-3	07/30/03	830	140	---	---	---	200	2	18	8.2	<3	<1.5	---	---	---	---
GMW-O-3	10/08/03	660	280	---	---	---	96	0.74	9.6	1.4	<1	<0.50	---	---	---	---
GMW-O-3	01/29/04	850	160	---	---	---	120	0.63	3	0.72	<1	<0.50	---	---	---	---
GMW-O-3	04/20/04	<50	130	---	---	---	65	<0.50	<0.50	0.56	<0.50	<0.50	---	---	---	---
GMW-O-3	07/20/04	370	<100	---	---	---	29	<0.50	1.4	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	11/04/04	850	190	---	---	---	71	<0.50	2.7	<0.50	<1	<0.50	---	---	---	---
GMW-O-3	02/03/05	210	<100	---	---	---	16	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	05/04/05	380	<100	---	---	---	32	0.67	2.1	4.6	<0.50	<0.50	---	---	---	---
GMW-O-3	08/03/05	1000	490	---	---	---	4.4	1.1	110	<1	<2	<1	---	---	---	---
GMW-O-3	11/01/05	1300	560	---	---	---	35	2.3	67	50	<1	<0.50	---	---	---	---
GMW-O-3	02/28/06	640	320	---	---	---	26	<0.50	7.1	6	<0.50	<0.50	---	---	---	---
GMW-O-3	05/04/06	400	250	---	---	---	19	<0.50	0.71	1.2	<0.50	<0.50	---	---	---	---
GMW-O-3	09/19/06	110	<100	---	---	---	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	12/08/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	03/13/07	51	<100	---	---	---	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	05/03/07	72	<100	---	---	---	<0.50	<0.50	0.64	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	08/28/07	65	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	11/14/07	170	<100	---	---	---	3.1	<0.50	9.7	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	02/07/08	96	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	04/15/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	08/14/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	10/16/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-3	02/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	---	---	---
GMW-O-3	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	07/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	03/15/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	07/12/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/05/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	01/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	07/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/10/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	01/09/12	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-3	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	07/10/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	01/15/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	03/14/16	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	06/29/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	08/22/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/20/17	260	---	<50	---	---	1.3	<0.50	1.9	2.6	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/18/18	110	---	110	---	---	<0.50	<0.50	2.6	6.3	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	11/07/18	450	---	<50	---	---	2.2	3	25	100	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	04/17/19	140	---	<50	---	---	<0.50	<0.50	2.3	6.9	<0.50	<0.50	<10	<1	<1	<1
GMW-O-3	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	05/06/20	60	---	<50	---	---	<0.50	<0.50	3.0	3.7	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	11/04/20	260	---	<50	---	---	<0.50	<0.50	7.1	18	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-3	05/04/21	130	---	<50	---	---	<0.50	<0.50	1.0	4.5	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	11/22/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-4	07/09/97	<100	---	<500	---	---	<0.50	1.9	<0.50	<1	<0.50	<5	---	---	---	---
GMW-O-4	01/02/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-4	05/21/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	0.7	---	---	---	---
GMW-O-4	11/12/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	05/06/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-O-4	11/16/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	10/24/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	10/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	11/04/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	05/04/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	12/07/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-4	05/03/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	11/15/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	04/15/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	10/15/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/05/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	03/14/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	06/29/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	08/23/16	<50	---	<50	---	---	0.01	<0.50	0.08	<0.50	<0.50	0.12	1.9	<1	<1	<1
GMW-O-4	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/20/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	05/06/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-4 (MID)	11/22/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-4 (MID)	07/09/97	<100	---	<500	---	---	<0.50	0.99	<0.50	<0.10	<0.50	<5	---	---	---	---
GMW-O-4 (MID)	01/02/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-4 (MID)	05/21/98	<300	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GMW-O-4 (MID)	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	05/06/99	---	---	---	---	---	---	---	---	---	---	<0.50	---	---	---	---
GMW-O-4 (MID)	05/06/99	<500	---	<500	---	---	---	---	---	---	<1	---	---	---	---	---
GMW-O-4 (MID)	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	11/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	10/24/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-4 (MID)	10/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	11/04/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	05/04/05	<50	220	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	05/04/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	12/07/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	05/03/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	11/15/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	04/15/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	10/15/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-4 (MID)	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	10/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	10/05/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-4 (MID)	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	11/22/96	---	---	---	---	---	11	5.7	9.2	32.1	<0.50	<5	---	---	---	---
GMW-O-5	07/09/97	<100	---	<500	---	---	<0.50	1.9	<0.50	<1	<0.50	<5	---	---	---	---
GMW-O-5	01/07/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	15	---	---	---	---
GMW-O-5	05/21/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-O-5	08/24/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	11/04/98	---	<100	---	---	---	---	---	---	---	---	---	---	---	---	---
GMW-O-5	11/04/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	02/03/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<1	<1	<0.50	---	---	---	---
GMW-O-5	05/05/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-O-5	08/10/99	<500	---	<1000	---	---	2.3	4.4	<1	2.9	<0.50	<1	---	---	---	---
GMW-O-5	11/16/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	02/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	08/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	11/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	02/05/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	10/24/02	<300	2300	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	01/15/03	<300	<100	---	---	---	---	---	---	---	---	---	---	---	---	---
GMW-O-5	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	10/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	11/04/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-5	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	12/07/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	05/03/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	11/15/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	10/15/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-5	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/04/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	03/14/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	06/29/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/20/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-5	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	05/06/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-5	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-6	11/22/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-6	07/09/97	<100	---	<500	---	---	<0.50	0.9	<0.50	<1	<0.50	<5	---	---	---	---
GMW-O-6	01/02/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---
GMW-O-6	05/21/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-O-6	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-6	05/05/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-O-6	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-6	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-6	11/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	---	---	---	---
GMW-O-6	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-6	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-6	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-6	10/24/02	<300	190	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-6	10/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-6	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-6	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-6	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-6	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-6	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-6	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-6	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-6	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-7	05/07/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-O-8	10/24/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.5	2.4	---	---	---	---
GMW-O-8	01/16/03	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	10/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	11/04/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	05/04/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	12/08/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	11/14/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	10/16/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-8	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	10/05/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-8	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	11/22/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	46	<5	---	---	---	---
GMW-O-9	07/10/97	<100	---	<500	---	---	<0.50	3.6	<0.50	<1	<0.50	<5	---	---	---	---
GMW-O-9	01/07/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-9	05/21/98	---	---	---	---	---	<0.50	<0.50	<0.50	<0.60	12	<0.50	---	---	---	---
GMW-O-9	11/16/98	<300	<100	---	---	---	3	7	1	6	5.8	<0.50	---	---	---	---
GMW-O-9	05/05/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-O-9	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	17	<0.50	---	---	---	---
GMW-O-9	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	72	<0.50	---	---	---	---
GMW-O-9	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	53	<0.50	---	---	---	---
GMW-O-9	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	87	<0.50	---	---	---	---
GMW-O-9	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	53	<0.50	---	---	---	---
GMW-O-9	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-9	10/24/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	35	<0.50	---	---	---	---
GMW-O-9	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	50	<0.50	---	---	---	---
GMW-O-9	10/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	35	<0.50	---	---	---	---
GMW-O-9	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	15	<0.50	---	---	---	---
GMW-O-9	11/04/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	9.9	<0.50	---	---	---	---
GMW-O-9	05/06/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	61	<0.50	---	---	---	---
GMW-O-9	11/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-9	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	---	---	---	---
GMW-O-9	12/07/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	---	---	---	---
GMW-O-9	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-9	11/14/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	5.9	<0.50	---	---	---	---
GMW-O-9	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-9	10/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-9	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/05/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/16/14	<50	---	<50	---	---	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	03/15/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/13/16	<50	---	59	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	06/29/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	08/22/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/20/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	3.3	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-9	11/01/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	05/06/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-9	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	11/26/96	---	---	---	---	---	450	18	37	21.8	81	1300	---	---	---	---
GMW-O-10	07/14/97	17000	---	900	---	---	4200	2800	650	1600	<30	890	---	---	---	---
GMW-O-10	01/09/98	25000	---	12000	---	---	3900	2800	510	1470	<10	1200	---	---	---	---
GMW-O-10	05/27/98	<300	---	---	---	---	1	<0.50	<0.50	0.8	<0.50	1	---	---	---	---
GMW-O-10	11/16/98	6840	297	---	---	---	2900	540	320	310	<13	2000	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																	
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME	
GMW-O-10	05/07/99	<500	---	<500	---	---	6.2	<0.50	0.61	<0.50	<1	0.64	---	---	---	---	
GMW-O-10	11/16/99	32000	27000	---	---	---	8300	5700	860	2640	<25	2600	---	---	---	---	
GMW-O-10	05/17/00	18000	32000	---	---	---	4500	3300	450	1420	<25	1300	---	---	---	---	
GMW-O-10	11/29/00	18000	10000	---	---	---	4200	2900	430	1260	<25	1400	---	---	---	---	
GMW-O-10	05/10/01	7900	4600	---	---	---	2400	810	150	280	<10	950	---	---	---	---	
GMW-O-10	11/07/01	8100	1300	---	---	---	1200	120	<10	540	<10	1100	---	---	---	---	
GMW-O-10	04/11/02	960	1000	---	---	---	190	18	5.1	157	10	610	---	---	---	---	
GMW-O-10	10/24/02	2000	2500	---	---	---	270	27	<5	60	<5	290	---	---	---	---	
GMW-O-10	04/10/03	13000	1900	---	---	---	3600	370	460	780	<50	520	---	---	---	---	
GMW-O-10	08/01/03	5800	1600	---	---	---	2600	220	320	460	20	580	---	---	---	---	
GMW-O-10	10/08/03	4900	940	---	---	---	1500	240	160	275	24	460	---	---	---	---	
GMW-O-10	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-O-10	11/04/04	8900	1200	---	---	---	3900	85	400	409	<30	590	---	---	---	---	
GMW-O-10	05/06/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
GMW-O-10	11/02/05	52	<100	---	---	---	19	0.5	<0.50	<0.50	1	10	---	---	---	---	
GMW-O-10	05/05/06	12000	850	---	---	---	4100	1800	380	640	<50	160	---	---	---	---	
GMW-O-10	12/07/06	8900	810	---	---	---	4000	470	320	310	<50	190	---	---	---	---	
GMW-O-10	05/04/07	3800	260	---	---	---	1600	10	<10	120	<20	160	---	---	---	---	
GMW-O-10	11/14/07	12000	600	---	---	---	5100	54	340	325	<50	190	---	---	---	---	
GMW-O-10	04/18/08	1300	130	---	---	---	680	<5	14	11	<10	23	---	---	---	---	
GMW-O-10	08/14/08	1600	160	---	---	---	820	5.3	31	42	<10	<5	---	---	---	---	
GMW-O-10	10/21/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	---	---	---	---	
GMW-O-10	04/22/09	180	<100	---	---	---	37	<0.50	<0.50	<0.50	<0.50	1.2	<10	<1	<1	<1	
GMW-O-10	10/22/09	99	<100	---	---	---	6.9	<0.50	<0.50	<0.50	<0.50	0.77	<10	<1	<1	<1	
GMW-O-10	05/27/10	370	<100	---	---	---	77	1.2	<0.50	<0.50	<1	0.87	<10	<1	<1	<1	
GMW-O-10	10/07/10	380	<100	---	---	---	42	1.2	0.51	<0.50	<0.50	0.79	<10	<1	<1	<1	
GMW-O-10	04/13/11	270	140	---	---	---	39	1	<0.50	<0.50	<0.50	0.77	<10	<1	<1	<1	
GMW-O-10	10/13/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	04/19/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	10/19/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	04/11/13	110	---	<50	---	---	0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	10/11/13	75	---	64	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	04/17/14	140	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	10/30/14	110	---	51	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	04/23/15	160	---	150	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	10/26/15	160	---	180	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	03/15/16	91	---	75	---	---	16	<0.50	3.4	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	04/14/16	910	---	89	---	---	430	12	16	<2.5	<5	<2.5	<50	<5	<5	<5	
GMW-O-10	06/29/16	87	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	08/23/16	<50	---	52	---	---	0.05	0.05	0.12	<0.50	<0.50	2.6	0.19	1.3	0.18	<1	<1
GMW-O-10	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	04/21/17	<50	---	52	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1	
GMW-O-10	10/04/17	73	---	<50	---	---	28	<0.50	<0.50	<0.50	6.3	<0.50	<10	<1	<1	<1	
GMW-O-10	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	8.8	<0.50	<10	<1	<1	<1	
GMW-O-10	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1	<0.50	<10	<1	<1	<1	
GMW-O-10	04/19/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	7	<0.50	<10	<1	<1	<1	

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-10	11/01/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	11	<0.50	<10	1.2	<1.0	<1.0
GMW-O-10	05/06/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-10	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-11	10/04/10	10000	2100	---	---	---	4200	220	89	170	<30	160	560	32	<30	<30
GMW-O-11	08/20/20	<100	---	780	---	---	1.2	<0.50	<0.50	<0.50	<1.0	4.1	220	9.2	<1.0	<1.0
GMW-O-11	02/24/21	<100	---	9400	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	1.2	180	3.0	<1.0	<1.0
GMW-O-11	05/04/21	<100	---	1300	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	1.9	170	6.5	<1.0	<1.0
GMW-O-11	09/01/21	<100	---	790	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	1.0	21	2.6	<1.0	<1.0
GMW-O-12	10/05/10	23000	<99000	---	---	---	12000	<50	<50	<50	<100	71	<1000	<100	<100	<100
GMW-O-12	04/14/11	16000	120000	---	---	---	7300	<25	<25	<25	<50	25	<500	<50	<50	<50
GMW-O-12	10/13/11	20000	390000	---	---	---	11000	<100	<100	<100	<200	<100	<2000	<200	<200	<200
GMW-O-12	04/20/12	29000	---	260000	---	---	12000	<50	<50	<50	<100	<50	<1000	<100	<100	<100
GMW-O-12	10/19/12	12000	---	120000	---	---	4700	<25	<25	<25	<50	<25	<500	<50	<50	<50
GMW-O-12	04/12/13	34000	---	160000	---	---	13000	<100	<100	<100	<200	<100	<2000	<200	<200	<200
GMW-O-12	10/11/13	30000	---	73000	---	---	13000	<63	<63	<63	<130	<63	<1300	<130	<130	<130
GMW-O-12	08/31/21	5300	---	28000	---	---	23	<5.0	17	95	<10	<5.0	<100	<10	<10	<10
GMW-O-14	11/27/96	88000	---	74000	---	---	4500	3200	520	2600	440	<300	---	---	---	---
GMW-O-14	07/17/97	160000	---	610000	---	---	7600	4900	2200	43000	<500	<5000	---	---	---	---
GMW-O-14	01/09/98	33000	---	780000	---	---	7200	4500	510	2300	<30	<300	---	---	---	---
GMW-O-14	05/27/98	3500	---	---	---	---	330	<2.5	80	88	<2.5	<0.50	---	---	---	---
GMW-O-14	11/17/98	---	117000	---	---	---	---	---	---	---	---	---	---	---	---	---
GMW-O-14	11/17/98	3850	---	---	---	---	5000	3840	1040	4510	<100	<100	---	---	---	---
GMW-O-14	05/07/99	23000	---	54000	---	---	5100	3400	650	2800	<50	<20	---	---	---	---
GMW-O-14	11/18/99	26000	23000	---	---	---	5900	4100	780	2500	<50	<50	---	---	---	---
GMW-O-14	05/17/00	10000	9300	---	---	---	2300	630	370	820	<50	<100	---	---	---	---
GMW-O-14	11/29/00	42000	59000	---	---	---	8800	5000	1200	4400	<50	<50	---	---	---	---
GMW-O-14	05/10/01	5200	17000	---	---	---	100	34	96	237	<1	<1	---	---	---	---
GMW-O-14	11/07/01	15000	20000	---	---	---	3900	890	640	1280	<1	<2	---	---	---	---
GMW-O-14	04/09/02	38000	13000	---	---	---	7400	2700	990	3200	<13	24	---	---	---	---
GMW-O-14	07/30/02	11000	24000	---	---	---	4900	2300	550	1890	<13	14	---	---	---	---
GMW-O-14	10/24/02	26000	29000	---	---	---	7100	3500	970	3500	<25	<25	---	---	---	---
GMW-O-14	01/28/03	39000	47000	---	---	---	12000	8400	1500	5600	<25	38	---	---	---	---
GMW-O-14	03/12/03	1500	710	---	---	---	760	72	66	115	<2.5	14	---	---	---	---
GMW-O-14	04/09/03	33000	27000	---	---	---	5100	2900	990	3300	<40	<20	---	---	---	---
GMW-O-14	07/30/03	20000	12000	---	---	---	3100	1900	790	3200	74	<15	---	---	---	---
GMW-O-14	10/09/03	43000	18000	---	---	---	8700	4200	1300	5300	180	<50	---	---	---	---
GMW-O-14	01/29/04	55000	19000	---	---	---	13000	6900	1400	5600	240	<50	---	---	---	---
GMW-O-14	04/20/04	54000	32000	---	---	---	11000	5700	1500	6100	170	<50	---	---	---	---
GMW-O-14	07/20/04	72000	18000	---	---	---	13000	8200	1700	7400	200	<50	---	---	---	---
GMW-O-14	11/04/04	41000	23000	---	---	---	9000	7000	1300	5500	<200	<100	---	---	---	---
GMW-O-14	02/03/05	34000	4600	---	---	---	8600	2300	950	3100	69	34	---	---	---	---
GMW-O-14	05/04/05	420	680	---	---	---	11	1.6	18	18.8	6.5	<0.50	---	---	---	---
GMW-O-14	08/03/05	15000	11000	---	---	---	160	600	290	1840	<10	<5	---	---	---	---
GMW-O-14	11/02/05	14000	14000	---	---	---	320	350	160	2690	<40	<20	---	---	---	---
GMW-O-14	02/28/06	8200	12000	---	---	---	860	87	18	1020	15	<5	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-14	05/05/06	6700	9600	---	---	---	1500	77	<10	450	35	<10	---	---	---	---
GMW-O-14	09/20/06	6900	4200	---	---	---	1400	250	39	640	30	<10	---	---	---	---
GMW-O-14	12/07/06	9000	17000	---	---	---	1400	150	27	501	36	<10	---	---	---	---
GMW-O-14	03/12/07	4700	1300	---	---	---	1000	180	26	400	23	<5	---	---	---	---
GMW-O-14	05/04/07	8200	3300	---	---	---	1700	330	48	570	44	<10	---	---	---	---
GMW-O-14	08/28/07	12000	6200	---	---	---	75	110	200	1000	<5	<2.5	---	---	---	---
GMW-O-14	11/15/07	16000	74000	---	---	---	320	300	520	2470	<20	<10	---	---	---	---
GMW-O-14	02/20/08	35000	7700	---	---	---	7900	1900	1200	3400	<100	<50	---	---	---	---
GMW-O-14	04/15/08	26000	31000	---	---	---	4900	1800	840	2800	59	<25	---	---	---	---
GMW-O-14	08/14/08	25000	44000	---	---	---	4300	1100	730	2800	70	<25	---	---	---	---
GMW-O-14	10/16/08	21000	12000	---	---	---	3200	940	500	3000	<30	<15	---	---	---	---
GMW-O-14	02/23/09	30000	12000	---	---	---	6100	3500	1200	3900	77	<25	<500	---	---	---
GMW-O-14	04/22/09	36000	8300	---	---	---	9300	2300	1300	3500	120	<50	<1000	170	<100	<100
GMW-O-14	07/22/09	32000	12000	---	---	---	7800	1900	1500	4100	86	<25	<500	130	<50	<50
GMW-O-14	10/23/09	40000	21000	---	---	---	14000	1900	1500	3500	<200	<100	<2000	<200	<200	<200
GMW-O-14	03/16/10	57000	24000	---	---	---	14000	6200	1700	4700	<200	<100	<2000	310	<200	<200
GMW-O-14	05/28/10	26000	7400	---	---	---	7900	1500	370	2180	110	<25	<500	180	<50	<50
GMW-O-14	07/14/10	22000	6700	---	---	---	7900	420	77	1500	100	<50	<1000	130	<100	<100
GMW-O-14	10/07/10	16000	3200	---	---	---	5900	200	220	680	<100	<50	<1000	<100	<100	<100
GMW-O-14	01/11/11	49000	11000	---	---	---	12000	5500	1400	2700	120	<50	<1000	190	<100	<100
GMW-O-14	04/13/11	26000	9800	---	---	---	8200	470	680	2300	<100	<50	<1000	160	<100	<100
GMW-O-14	07/12/11	12000	5500	---	---	---	3800	50	<25	1800	<50	<25	<500	<50	<50	<50
GMW-O-14	10/12/11	16000	3400	---	---	---	4000	55	<25	2500	<50	<25	<500	<50	<50	<50
GMW-O-14	01/09/12	38000	11000	---	---	---	9000	2200	1200	4300	<200	<100	<2000	<200	<200	<200
GMW-O-14	04/20/12	47000	---	2500	---	---	11000	1100	1500	5000	<100	<50	<1000	170	<100	<100
GMW-O-14	07/10/12	48000	---	390	---	---	12000	3500	1200	3700	<100	<50	<1000	270	<100	<100
GMW-O-14	10/18/12	15000	---	2700	---	---	2600	1100	520	1800	<50	<25	<500	70	<50	<50
GMW-O-14	01/15/13	7700	---	8300	---	---	1200	72	420	1300	<20	<10	<200	25	<20	<20
GMW-O-14	04/11/13	27000	---	3700	---	---	6900	200	1800	2300	61	<25	<500	180	<50	<50
GMW-O-14	10/11/13	54000	---	3000	---	---	14000	760	2200	3000	<130	64	<1300	260	<130	<130
GMW-O-14	04/16/14	32000	---	1900	---	---	9700	130	1500	1500	<200	<100	<2000	<200	<200	<200
GMW-O-14	10/31/14	19000	---	1300	---	---	6600	50	730	350	<50	<25	<500	200	<50	<50
GMW-O-14	04/23/15	15000	---	1100	---	---	6900	59	530	92	<50	26	2000	220	<50	<50
GMW-O-14	10/26/15	24000	---	890	---	---	12000	<100	570	<100	<200	<100	<2000	220	<200	<200
GMW-O-14	03/15/16	21000	---	440	---	---	11000	<50	240	250	<100	<50	<1000	240	<100	<100
GMW-O-14	04/15/16	3200	---	930	---	---	1300	<10	<10	<10	<20	13	<200	100	<20	<20
GMW-O-14	06/29/16	13000	---	430	---	---	6300	80	270	200	<40	30	<400	230	<40	<40
GMW-O-14	08/23/16	6000	---	380	---	---	3100	18	36	46	13	19	150	130	<60	12
GMW-O-14	10/07/16	30000	---	640	---	---	12000	72	390	290	<100	<50	<1000	220	<100	<100
GMW-O-14	04/21/17	250	---	620	---	---	0.59	<0.50	0.82	2.4	3.7	3.5	15	30	<1	<1
GMW-O-14	10/06/17	13000	---	2300	---	---	5700	140	190	150	<50	<25	<500	190	<50	<50
GMW-O-14	04/20/18	1400	---	1900	---	---	640	<4	<4	4.1	<8	11	<80	130	<8	<8
GMW-O-14	11/09/18	8600	---	620	---	---	5100	<40	<40	<40	<80	<40	<800	150	<80	<80
GMW-O-14	04/18/19	1000 J	---	290	---	---	310 J	<1	2.1 J	<1	3 J	6.1	46	73	<2	<2
GMW-O-14	11/01/19	28000	---	1300	---	---	13,000	88	520	500	<100	<50	<1000	190	<100	<100
GMW-O-14	05/06/20	1300	---	940	---	---	320	2.5	<2.0	6.6	<4.0	3.4	44	69	<4.0	<4.0

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-14	08/20/20	4800	---	1500	---	---	2000	18	13	<10	<20	<10	<200	94	<20	<20
GMW-O-14	11/09/20	5700	---	2600	---	---	2500	13	<10	<10	<20	<10	<200	110	<20	<20
GMW-O-14	02/24/21	810	---	1600	---	---	26	6.6	2.0	4.0	<2.0	2.4	62	46	<2.0	<2.0
GMW-O-14	05/05/21	730 J	---	1000	---	---	220	3.2	2.7	5.3	<2.0	2.0	55	50	<2.0	<2.0
GMW-O-14	09/01/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-15	10/16/08	1700	2800	---	---	---	550	3	37	34.1	<5	110	---	---	---	---
GMW-O-15	03/16/10	530	8900	---	---	---	10	1.1	0.64	2.7	<0.50	400	<10	<1	<1	1.9
GMW-O-15	04/16/10	6700	62000	---	---	---	1700	54	120	176	<10	1300	1800	<10	<10	11
GMW-O-15	05/25/10	650	5600	---	---	---	82	16	8.4	44	<2	180	1500	<2	<2	<2
GMW-O-15	07/13/10	580	250	---	---	---	110	7.5	11	27	<1	300	5100	<1	<1	1.5
GMW-O-15	08/12/10	710	370	---	---	---	120	4.1	10	34	<1	260	5300	<1	<1	1.5
GMW-O-15	09/20/10	620	500	---	---	---	120	3.3	13	24	<1	230	6000	<1	<1	1.4
GMW-O-15	10/05/10	14000	6000	---	---	---	1800	280	92	760	<20	3200	3000	<20	<20	35
GMW-O-15	11/23/10	1800	7700	---	---	---	<1	4.1	4.4	33	<2	<1	<20	<2	<2	<2
GMW-O-15	12/22/10	28000	19000	---	---	---	3900	610	850	3000	<40	1900	1300	<40	<40	<40
GMW-O-15	01/12/11	12000	15000	---	---	---	1300	49	280	700	<20	430	12000	<20	<20	<20
GMW-O-15	02/24/11	12000	10000	---	---	---	700	450	310	1300	<10	970	4100	<10	<10	20
GMW-O-15	03/23/11	2400	4300	---	---	---	210	47	39	190	<2	310	3600	<2	<2	5.2
GMW-O-15	04/29/11	1200	1500	---	---	---	250	27	27	154	<2	350	3900	<2	<2	2.4
GMW-O-15	05/13/11	1300	1600	---	---	---	200	18	22	127	<2	350	6600	<2	<2	3.6
GMW-O-15	06/22/11	1800	1200	---	---	---	190	95	34	220	<1	310	6800	<1	<1	1.8
GMW-O-15	07/12/11	1000	970	---	---	---	150	17	14	97	<2	220	6400	<2	<2	<2
GMW-O-15	08/19/11	33000	550000	---	---	---	820	2200	610	4400	<50	290	9200	<50	<50	<50
GMW-O-15	09/22/11	3400	1000	---	---	---	480	290	58	320	<5	640	6800	<5	<5	10
GMW-O-15	10/13/11	3900	1600	---	---	---	530	290	73	460	<10	220	3200	<10	<10	<10
GMW-O-15	12/21/11	520	570	---	---	---	110	1.5	5.7	22	<2	79	5300	<2	<2	<2
GMW-O-15	01/10/12	470	1200	---	---	---	110	1.3	6.9	15	<1	86	4300	<1	<1	1.2
GMW-O-15	02/23/12	4800	6900	---	---	---	340	390	85	600	<5	110	4000	<5	<5	17
GMW-O-15	03/28/12	1300	---	120	---	---	230	68	13	110	<2	99	4600	<2	<2	<2
GMW-O-15	04/27/12	2100	---	1300	---	---	180	67	16	160	<1	49	4300	<1	<1	1
GMW-O-15	05/25/12	110000	---	24000	---	---	320	270	420	3400	<100	190	<1000	<100	<100	100
GMW-O-15	07/11/12	17000	---	13000	---	---	6700	63	120	270	<100	1500	1600	<100	<100	<100
GMW-O-15	08/29/12	190	---	89	---	---	73	1.2	3.3	8.1	<0.50	22	5300	<1	<1	<1
GMW-O-15	09/26/12	220	---	<50	---	---	53	0.74	3.7	7.3	<0.50	17	2900	<1	<1	<1
GMW-O-15	10/18/12	210	---	140	---	---	50	<0.50	3.3	5.9	<1	13	2600	<1	<1	<1
GMW-O-15	11/29/12	380	---	75	---	---	140	1.3	3	6.4	<2	33	3900	<2	<2	<2
GMW-O-15	12/26/12	1400	---	110	---	---	100	23	3.4	20	<0.50	22	3900	<1	<1	<1
GMW-O-15	01/15/13	1200	---	<50	---	---	240	29	16	45	<3	52	3100	<3	<3	<3
GMW-O-15	02/20/13	230	---	<50	---	---	59	<0.50	2.5	3.2	<1	14	3100	<1	<1	<1
GMW-O-15	04/12/13	460	---	110	---	---	89	2.3	4.6	5.5	<1	36	3600	<1	<1	<1
GMW-O-15	10/11/13	56000	---	88000	---	---	7600	2300	750	4100	<100	8000	7100	<100	<100	<100
GMW-O-15	10/27/15	120000	---	490000	---	---	12000	16000	2200	12000	<200	8800	<2000	<200	<200	210
GMW-O-15	04/14/16	370000	---	82000	---	---	5700	15000	4600	36000	<200	2800	3400	<200	<200	<200
GMW-O-15	11/08/18	11000	---	1600	---	---	140	67	30	1300	<10	650	2800	<10	<10	14
GMW-O-15	10/31/19	4400	---	6700	---	---	470	5.0	35	470	<8.0	530	5,900	<8.0	<8.0	18
GMW-O-15	05/08/20	9200	---	13000	---	---	1,600	9.6	140	650	<10	3,100	8,900	<10	<10	34

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-15	11/06/20	<1000	---	5600	---	---	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100	<10	<10	<10
GMW-O-16	11/27/96	---	---	---	---	---	570	67	14	360	<5	120	---	---	---	---
GMW-O-16	07/17/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	310	---	---	---	---
GMW-O-16	01/06/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-16	05/20/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	76	---	---	---	---
GMW-O-16	11/13/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	---	---	---	---
GMW-O-16	05/07/99	<500	---	<500	---	---	0.66	<0.50	<0.50	0.72	<1	7.6	---	---	---	---
GMW-O-16	11/18/99	<416	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	---	---	---	---
GMW-O-16	11/30/00	<300	<100	---	---	---	0.8	<0.50	<0.50	<0.50	<0.50	0.6	---	---	---	---
GMW-O-16	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	10/22/02	<300	<100	---	---	---	1.6	0.98	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	10/07/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	04/22/04	<50	3600	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	07/20/04	---	<100	---	---	---	---	---	---	---	---	---	---	---	---	---
GMW-O-16	11/02/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	05/05/05	92	<100	---	---	---	1.6	<0.50	<0.50	<0.50	<0.50	110	---	---	---	---
GMW-O-16	08/02/05	57	<100	---	---	---	1.3	<0.50	<0.50	<0.50	<0.50	93	---	---	---	---
GMW-O-16	11/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	57	---	---	---	---
GMW-O-16	02/28/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	5.3	---	---	---	---
GMW-O-16	05/04/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	6.3	---	---	---	---
GMW-O-16	09/19/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	---	---	---	---
GMW-O-16	12/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	05/05/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	11/14/07	<50	1400	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-16	02/07/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	---	---	---	---
GMW-O-16	04/16/08	<50	<100	---	---	---	<0.50	1.2	0.59	5.5	<0.50	0.63	---	---	---	---
GMW-O-16	10/14/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	0.6	<0.50	0.65	---	---	---	---
GMW-O-16	04/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	<10	<1	<1	<1
GMW-O-16	10/21/09	<50	250	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	03/16/10	<50	140	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	04/16/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	05/26/10	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	<10	<1	<1	<1
GMW-O-16	07/13/10	<50	<100	---	---	---	0.73	<0.50	<0.50	<0.50	<0.50	1.9	<10	<1	<1	<1
GMW-O-16	08/12/10	<50	<100	---	---	---	0.5	<0.50	<0.50	<0.50	<0.50	2.3	<10	<1	<1	<1
GMW-O-16	09/20/10	<50	170	---	---	---	0.69	<0.50	<0.50	<0.50	<0.50	3.1	<10	<1	<1	<1
GMW-O-16	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
GMW-O-16	11/16/10	<50	160	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4	<10	<1	<1	<1
GMW-O-16	12/22/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2	<10	<1	<1	<1
GMW-O-16	01/11/11	<50	<100	---	---	---	0.52	<0.50	<0.50	<0.50	<0.50	0.94	<10	<1	<1	<1
GMW-O-16	02/24/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<10	<1	<1	<1
GMW-O-16	03/23/11	<50	100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<10	<1	<1	<1
GMW-O-16	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
GMW-O-16	05/13/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-16	06/22/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<10	<1	<1	<1
GMW-O-16	07/12/11	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<10	<1	<1	<1
GMW-O-16	08/19/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1	<1	<1
GMW-O-16	09/22/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	<10	<1	<1	<1
GMW-O-16	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<1	<1	<1
GMW-O-16	11/28/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
GMW-O-16	12/21/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	0.5	<0.50	1.8	<10	<1	<1	<1
GMW-O-16	01/09/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	1.4	<0.50	3.4	<10	<1	<1	<1
GMW-O-16	02/23/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	<10	<1	<1	<1
GMW-O-16	03/28/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2	<10	<1	<1	<1
GMW-O-16	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.79	<10	<1	<1	<1
GMW-O-16	05/25/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	06/15/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	07/10/12	<50	---	<50	---	---	2.5	1.1	<0.50	0.7	<0.50	0.57	<10	<1	<1	<1
GMW-O-16	08/29/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	09/26/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	10/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	0.89	<0.50	0.7	<10	<1	<1	<1
GMW-O-16	11/29/12	<50	---	83	---	---	<0.50	<0.50	<0.50	0.56	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	12/26/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1	<1	<1
GMW-O-16	01/15/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.95	<10	<1	<1	<1
GMW-O-16	02/20/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<1	<1	<1
GMW-O-16	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	10/10/13	170	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	24	<1	<1	<1
GMW-O-16	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	10/29/14	<50	---	<50	---	---	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	04/22/15	89	---	<50	---	---	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	22	<1	<1	<1
GMW-O-16	10/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	04/14/16	<50	---	310	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	04/18/17	66	---	<50	---	---	1.2	<0.50	<0.50	<0.50	<0.50	4	<10	<1	<1	<1
GMW-O-16	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	04/19/19	<50	---	53	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-16	10/31/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<10	<1.0	<1.0	<1.0
GMW-O-16	05/08/20	<50	---	51	---	---	<0.50	<0.50	<0.50	0.57	<0.50	0.81	<10	<1.0	<1.0	<1.0
GMW-O-16	11/05/20	320	---	160	---	---	<0.50	0.93	1.2	84	<0.50	1.3	<10	<1.0	<1.0	<1.0
GMW-O-16	05/06/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	1.8	<0.50	6.7	<10	<1.0	<1.0	<1.0
GMW-O-17	11/22/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-17	07/10/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---
GMW-O-17	01/07/98	<100	---	<500	---	---	<0.50	0.64	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-17	05/21/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-O-17	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/05/99	<500	---	<500	---	---	0.64	<0.50	<0.50	<0.50	<1	0.58	---	---	---	---
GMW-O-17	11/16/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-17	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	10/24/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	10/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	05/03/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-17	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/13/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	26	<1	<1	<1
GMW-O-17	07/02/13	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/21/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-17	10/30/19	<50	---	93	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-17	05/06/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-17	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-17	05/04/21	<50	---	92	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-18	11/26/96	---	---	---	---	---	<10	<10	<10	<30	<10	10000	---	---	---	---
GMW-O-18	07/11/97	<100	---	<500	---	---	<3	<3	<3	<3	<3	3000	---	---	---	---
GMW-O-18	01/07/98	<100	---	<500	---	---	<5	<5	<5	<15	<5	3200	---	---	---	---
GMW-O-18	05/21/98	2000	---	---	---	---	<100	<100	<100	<200	<100	5600	---	---	---	---
GMW-O-18	11/17/98	543	<100	---	---	---	<0.50	1	<0.50	2.6	<0.50	1420	---	---	---	---
GMW-O-18	05/06/99	2700	---	<500	---	---	<5	<5	<5	<5	<13	15000	---	---	---	---
GMW-O-18	11/18/99	2900	<100	---	---	---	<13	<12.5	<12.5	<12.5	<13	6700	---	---	---	---
GMW-O-18	05/19/00	3500	<100	---	---	---	<25	<25	<25	<25	<25	10000	---	---	---	---
GMW-O-18	11/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	---	---	---	---
GMW-O-18	05/09/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	---	---	---	---
GMW-O-18	12/07/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.65	---	---	---	---
GMW-O-18	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	---	---	---	---
GMW-O-18	11/15/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-18	04/15/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-18	10/15/08	<200	<100	---	---	---	<1	<1	<1	<1	<2	<1	---	---	---	---
GMW-O-18	04/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1	140	<1	<1	<1
GMW-O-18	10/21/09	2400	680	---	---	---	170	440	17	410	<5	490	480	<5	<5	<5
GMW-O-18	03/16/10	<50	<100	---	---	---	0.6	1.3	<0.50	1.77	<0.50	4.5	550	<1	<1	<1
GMW-O-18	04/16/10	1300	6600	---	---	---	0.67	<0.50	3.1	12.9	<0.50	1.2	2400	<1	<1	<1
GMW-O-18	05/25/10	110	540	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	2.9	6500	<1	<1	<1
GMW-O-18	07/14/10	110	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	11000	<1	<1	<1
GMW-O-18	08/12/10	220	<100	---	---	---	0.64	<0.50	<0.50	<0.50	<1	0.93	15000	<1	<1	<1
GMW-O-18	09/20/10	290	<100	---	---	---	1.1	<0.50	<0.50	0.55	<1	1.2	23000	<1	<1	<1
GMW-O-18	10/05/10	4000	<1100	---	---	---	1200	420	23	91	<10	670	2600	<10	<10	<10
GMW-O-18	11/16/10	<2000	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.53	21000	<1	<1	<1
GMW-O-18	01/12/11	<3000	130	---	---	---	<1	<1	<1	<1	<2	<1	29000	<2	<2	<2
GMW-O-18	02/24/11	1400	2100	---	---	---	60	31	19	85	<0.50	380	1600	<1	<1	3.9
GMW-O-18	03/23/11	110	230	---	---	---	6	1.4	1.1	6.3	<0.50	2.9	3300	<1	<1	<1
GMW-O-18	04/29/11	<50	120	---	---	---	3.7	<0.50	<0.50	1.7	<0.50	7.5	780	<1	<1	<1
GMW-O-18	05/13/11	<100	230	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-O-18	06/22/11	7500	37000	---	---	---	<0.50	<0.50	<0.50	440	<1	5.5	3200	<1	<1	<1
GMW-O-18	08/19/11	2600	12000	---	---	---	17	3.9	3.2	40	<2	85	61	<2	<2	<2
GMW-O-18	09/22/11	34000	64000	---	---	---	700	110	690	5300	<50	400	6100	<50	<50	54
GMW-O-18	10/14/11	6000	36000	---	---	---	190	13	36	100	<20	1600	6600	<20	<20	26
GMW-O-18	11/23/11	25000	150000	---	---	---	65	<10	51	<10	<20	310	6000	<20	<20	22
GMW-O-18	12/21/11	190	26000	---	---	---	<0.50	<0.50	<0.50	0.53	<0.50	70	1600	<1	<1	<1
GMW-O-18	01/10/12	570	1400	---	---	---	100	<0.50	5.3	3.9	<1	110	4800	<1	<1	2.2
GMW-O-18	02/23/12	180	140	---	---	---	8.8	6.8	0.84	7.8	<0.50	5.9	9200	<1	<1	<1
GMW-O-18	03/28/12	140	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	10000	<1	<1	<1
GMW-O-18	05/25/12	<100	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	7700	<1	<1	<1
GMW-O-18	06/15/12	180	---	50	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.6	17000	<1	<1	<1
GMW-O-18	07/11/12	180	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14000	<1	<1	<1
GMW-O-18	08/30/12	71	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14000	<1	<1	<1
GMW-O-18	09/26/12	55	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8900	<1	<1	<1
GMW-O-18	10/30/12	110	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	11000	<1	<1	<1
GMW-O-18	11/29/12	110	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	10000	<1	<1	<1
GMW-O-18	12/26/12	76	---	240	---	---	22	2.1	0.82	2.4	<0.50	5.5	850	<1	<1	<1
GMW-O-18	01/15/13	91	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	8000	<1	<1	<1
GMW-O-18	04/12/13	<100	---	58	---	---	<0.50	0.51	<0.50	0.53	<1	<0.50	4000	<1	<1	<1
GMW-O-18	10/10/13	120	---	<50	---	---	2.2	1.1	<0.50	6	<0.50	<0.50	6000	<1	<1	<1
GMW-O-18	11/03/15	2900	---	49000	---	---	62	150	39	230	<3	100	1800	<3	<3	<3
GMW-O-18	04/14/16	1100000	---	590000	---	---	53000	62000	31000	230000	<10000	6000	<10000	<10000	<10000	<10000
GMW-O-18	04/18/19	5600	---	5800	---	---	38	<2.5	290	37	<5	4.8	6400	<5	<5	<5
GMW-O-18	10/31/19	5900	---	10000	---	---	39	<2.5	300	26	<5.0	12	3,400	<5.0	<5.0	<5.0
GMW-O-18	05/07/20	3400	---	5400	---	---	31	<1.0	300	8.6	<2.0	4.4	4,300	<2.0	<2.0	<2.0
GMW-O-18	11/06/20	9700	---	4700	---	---	14	9.4	210	21	<10	<5.0	430	<10	<10	<10
GMW-O-18	05/05/21	3600	---	2700	---	---	<2.0	<2.0	59	4.6	<4.0	6.6	520	<4.0	<4.0	<4.0
GMW-O-19	11/25/96	---	---	---	---	---	<0.50	<0.87	2.8	5.1	<0.50	<5	---	---	---	---
GMW-O-19	07/16/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-19	01/06/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-O-19	05/20/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	2	---	---	---	---
GMW-O-19	11/12/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	05/06/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.51	---	---	---	---
GMW-O-19	11/18/99	<416	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.5	---	---	---	---
GMW-O-19	05/17/00	<300	180	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	04/09/03	<50	500	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	08/01/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	10/07/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	04/22/04	<50	1400	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	07/20/04	---	<100	---	---	---	---	---	---	---	---	---	---	---	---	---
GMW-O-19	11/02/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	05/05/05	510	110	---	---	---	110	<0.50	17	24.5	<1	150	---	---	---	---
GMW-O-19	08/02/05	160	<100	---	---	---	2.1	<0.50	1.2	<0.50	<0.50	19	---	---	---	---
GMW-O-19	11/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	02/28/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	05/04/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	12/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	05/05/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	11/15/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	04/16/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	10/14/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-O-19	04/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/20/09	<50	<200	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	03/15/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/16/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	07/13/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	08/12/10	<50	<100	---	---	---	0.52	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	09/20/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/06/10	<50	340	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	11/16/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	12/22/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	01/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	02/24/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	03/23/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	05/13/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	06/22/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	07/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	08/19/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	09/22/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/11/11	<50	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-19	11/28/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	12/21/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	01/10/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	02/23/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	03/28/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	05/25/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	06/15/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	07/10/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	08/29/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	09/26/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	11/29/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	70	<1	<1	<1
GMW-O-19	12/26/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	0.52	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	01/15/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	02/20/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/09/13	110	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/14/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/18/17	52	---	<50	---	---	2.2	2.8	<0.50	11	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	04/19/19	<50	---	530	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-19	10/31/19	<50	---	110	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-19	05/08/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-19	11/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-19	05/06/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-20	10/05/10	46000	<150000	---	---	---	17000	390	680	2700	<200	<100	<2000	<200	<200	<200
GMW-O-20	04/13/11	42000	680000	---	---	---	12000	170	580	400	<200	<100	<2000	<200	<200	<200
GMW-O-20	10/13/11	34000	2000000	---	---	---	6300	460	240	850	<100	<50	<1000	<100	<100	<100
GMW-O-20	04/20/12	48000	---	230000	---	---	11000	520	350	2500	<100	<50	<1000	<100	<100	<100
GMW-O-20	10/19/12	36000	---	340000	---	---	6100	1000	360	2700	<50	<25	<500	<50	<50	<50
GMW-O-20	06/29/16	23000	---	7500	---	---	6800	560	370	1300	<40	51	<400	<40	<40	<40
GMW-O-20	08/23/16	13000	---	31000	---	---	2600	260	150	1300	1.6	27	79	5.8	<60	<60
GMW-O-20	10/07/16	35000	---	95000	---	---	2700	930	230	4200	<40	38	<400	<40	<40	<40
GMW-O-20	04/21/17	2900	---	5900	---	---	850	14	24	85	<10	24	<200	<10	<10	<10
GMW-O-20	10/06/17	6500	---	21000	---	---	460	16	36	290	<4	7.4	<40	10	<4	<4
GMW-O-20	05/15/18	82	---	340	---	---	2.7	<0.50	<0.50	3.2	<0.50	4.6	10	4.1	<1	<1
GMW-O-20	11/08/18	1300	---	2700	---	---	86	3.6	2.7	31	<1	5.2	22	6.9	<1	<1
GMW-O-20	04/23/19	1200	---	1400	---	---	240	7.2	27	59	<2	22	42	14	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-20	05/06/20	1600	---	5100	---	---	56	1.4	5.0	70	<1.0	3.8	110	5.1	<1.0	<1.0
GMW-O-20	08/20/20	610	---	1800	---	---	100	0.77	4.0	1.3	<1.0	14	17	8.7	<1.0	<1.0
GMW-O-20	11/09/20	400	---	850	---	---	51	1.3	0.51	1.4	<0.50	17	18	14	<1.0	<1.0
GMW-O-20	02/24/21	570	---	620	---	---	140	<1.0	4.8	<1.0	<2.0	8.7	<20	4.3	<2.0	<2.0
GMW-O-20	05/04/21	640	---	530	---	---	200	1.4	6.2	1.5	<2.0	8.8	<20	12	<2.0	<2.0
GMW-O-20	09/01/21	210	---	3200	---	---	7.5	<1.0	<1.0	1.4	<2.0	11	620	9.0	<2.0	<2.0
GMW-O-21	10/07/03	47000	20000	---	---	---	15000	5200	500	3160	<100	5200	---	---	---	---
GMW-O-21	10/08/10	66000	8000	---	---	---	19000	8200	1200	3800	<200	<100	<2000	<200	<200	<200
GMW-O-21	04/29/11	18000	5300	---	---	---	7400	2400	190	1940	<50	95	<500	86	<50	<50
GMW-O-21	10/14/11	31000	6400	---	---	---	8300	4100	290	2400	<100	51	<1000	<100	<100	<100
GMW-O-21	04/19/12	32000	---	1200	---	---	11000	4400	230	3000	<100	<50	<1000	<100	<100	<100
GMW-O-21	10/19/12	1200	---	880	---	---	370	71	4.8	66	<2	3.2	96	8.7	<2	<2
GMW-O-21	10/07/16	18000	---	2000	---	---	2900	21	280	1600	<40	<20	<400	<40	<40	<40
GMW-O-21	04/21/17	3100	---	1100	---	---	55	5.7	11	180	<2	<1	<20	<2	<2	<2
GMW-O-21	10/06/17	9700	---	750	---	---	4300	<20	22	<20	<40	<20	<400	52	<40	<40
GMW-O-21	04/20/18	2000	---	2100	---	---	1000	6.8	8.9	<5	<10	<5	<100	15	<10	<10
GMW-O-21	11/09/18	<8000	---	2400	---	---	4300	<40	<40	<40	<80	<40	<800	<80	<80	<80
GMW-O-21	04/18/19	140	---	64	---	---	14	0.64	0.72	<0.50	<0.50	5.9	13	15	<1	<1
GMW-O-21	11/01/19	7600	---	1100	---	---	3,900	12	120	79	<20	<10	<200	32	<20	<20
GMW-O-21	05/06/20	<50	---	64	---	---	<0.50	<0.50	<0.50	0.54	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-21	08/20/20	7300	---	680	---	---	3400	19	37	120	110	<15	<300	<30	<30	<30
GMW-O-21	11/09/20	4900	---	730	---	---	2300	<10	31	16	<20	<10	<200	26	<20	<20
GMW-O-21	02/24/21	7500	---	680	---	---	2,700	<10	<10	26	<20	<10	<200	<20	<20	<20
GMW-O-21	05/05/21	4100	---	1700	---	---	1,100	10	8.2	20	<10	<5.0	<100	<10	<10	<10
GMW-O-21	09/01/21	<50	---	130	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	1.1	<1.0	<1.0
GMW-O-23	10/08/10	120000	25000	---	---	---	22000	21000	1800	8100	<200	2600	<2000	<200	<200	<200
GMW-O-23	04/13/11	75000	12000	---	---	---	15000	13000	850	5800	<200	1700	<2000	<200	<200	<200
GMW-O-23	10/13/11	65000	7200	---	---	---	16000	11000	540	3800	<200	1500	<2000	<200	<200	<200
GMW-O-23	10/19/12	29000	---	31000	---	---	7000	5000	130	1900	<100	400	<1000	<100	<100	<100
GMW-O-23	06/29/16	17000	---	120000	---	---	250	89	88	1700	<10	20	<100	<10	<10	<10
GMW-O-23	08/23/16	8700	---	160000	---	---	81	13	16	620	0.26	8.2	81	0.47	<20	<20
GMW-O-23	10/07/16	2800	---	170000	---	---	15	<4	9.3	110	<8	5	<80	<8	<8	<8
GMW-O-23	04/21/17	1600	---	1300	---	---	11	3.6	1.6	220	<2	4	<20	3.5	<2	<2
GMW-O-23	10/06/17	<50	---	1300	---	---	0.78	<0.50	0.6	2.1	<0.50	0.99	24	4.9	<1	<1
GMW-O-23	04/20/18	110	---	1200	---	---	0.99	<0.50	<0.50	<0.50	<1	5.6	120	30	<1	<1
GMW-O-23	11/08/18	78	---	1500	---	---	0.59 J	<0.50	<0.50	<0.50	<0.50	1.2	30 J	13	<1	<1
GMW-O-23	04/18/19	<100	---	1500	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.94	140	27	<1	<1
GMW-O-23	05/06/20	<100	---	660	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	1.5	41	25	<1.0	<1.0
GMW-O-23	08/20/20	<100	---	490	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	3.2	200	38	<1.0	<1.0
GMW-O-23	11/06/20	100	---	550	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	2.4	75	33	<1.0	<1.0
GMW-O-23	02/24/21	120	---	440	---	---	11	<0.50	<0.50	<0.50	<1.0	6.4	120	23	<1.0	<1.0
GMW-O-23	05/04/21	110	---	340	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	9.4	40	37	<1.0	<1.0
GMW-O-23	09/01/21	57	---	290	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.3	<10	12	<1.0	<1.0
GMW-O-24	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.99	<10	<1	<1	<1
GMW-O-24	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	<10	<1	<1	<1
GMW-O-24	10/23/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<10	<1	<1	<1

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Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-24	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-24	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-24	04/23/15	<50	---	74	---	---	0.7	<0.50	<0.50	0.97	<0.50	0.5	20	<1	<1	<1
GMW-O-24	06/30/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<10	<1	<1	<1
GMW-O-24	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-24	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-24	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-24	04/21/17	<50	---	<50	---	---	0.8	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-24	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-24	04/18/18	<50	---	59	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-24	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-O-24	02/25/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-24	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-O-24	08/31/21	<50	---	82	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-7	11/25/96	---	---	---	---	---	<0.50	<0.50	<0.50	5.8	<0.50	<5	---	---	---	---
GMW-SF-7	07/11/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	8.7	---	---	---	---
GMW-SF-7	01/02/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
GMW-SF-7	05/19/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
GMW-SF-7	11/11/98	<300	<100	---	---	---	0.96	<0.50	<0.50	1.3	<0.50	<0.50	---	---	---	---
GMW-SF-7	05/07/99	<500	---	<500	---	---	1	4.1	<0.50	1.8	<1	1.3	---	---	---	---
GMW-SF-7	11/18/99	350	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	200	---	---	---	---
GMW-SF-7	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	02/01/02	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	---	---	---	---
GMW-SF-7	10/22/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.5	---	---	---	---
GMW-SF-7	01/29/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.1	---	---	---	---
GMW-SF-7	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.73	---	---	---	---
GMW-SF-7	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	10/06/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	01/28/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	07/19/04	550	<100	---	---	---	<1	<1	<1	<1	<2	680	---	---	---	---
GMW-SF-7	11/02/04	220	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	340	---	---	---	---
GMW-SF-7	02/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	08/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	02/27/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	05/02/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	09/18/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	12/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	03/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	05/05/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-SF-7	08/30/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	11/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	04/16/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	10/14/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-7	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	1.1	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	81	<1	<1	<1
GMW-SF-7	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-7	10/29/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-7	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-7	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-7	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	11/22/96	<100	---	<500	---	---	4.5	<1	<1	<3	<1	920	---	---	---	---
GMW-SF-8	07/11/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	140	---	---	---	---
GMW-SF-8	01/06/98	<100	---	<500	---	---	4.1	<0.50	<0.50	<1.5	<0.50	450	---	---	---	---
GMW-SF-8	05/22/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<1	0.9	---	---	---	---
GMW-SF-8	11/12/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	40	---	---	---	---
GMW-SF-8	05/07/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	4.8	---	---	---	---
GMW-SF-8	11/18/99	660	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	800	---	---	---	---
GMW-SF-8	05/17/00	<300	250	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	42	---	---	---	---
GMW-SF-8	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	220	---	---	---	---
GMW-SF-8	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	20	---	---	---	---
GMW-SF-8	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	260	---	---	---	---
GMW-SF-8	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.8	---	---	---	---
GMW-SF-8	10/22/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	5.2	---	---	---	---
GMW-SF-8	01/29/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	---	---	---	---
GMW-SF-8	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	6.5	---	---	---	---
GMW-SF-8	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	10/06/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-SF-8	01/27/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	07/19/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	11/03/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	02/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	08/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	11/01/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	02/27/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	05/02/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	09/18/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
GMW-SF-8	12/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	05/04/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	11/14/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	04/16/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	10/14/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GMW-SF-8	04/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	04/19/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-8	10/29/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-8	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GMW-SF-9	09/24/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	9.2	---	---	---	---
GMW-SF-9	10/10/03	79	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	14	---	---	---	---
GMW-SF-9	10/07/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-9	04/13/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-9	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	40	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-SF-9	10/12/11	<100	1300	---	---	---	1.5	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
GMW-SF-9	04/19/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	110	<1	<1	<1
GMW-SF-9	10/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	270	<1	<1	<1
GMW-SF-10	09/24/03	90	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	210	---	---	---	---
GMW-SF-10	10/10/03	100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	120	---	---	---	---
GMW-SF-10	10/07/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-10	04/14/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-10	10/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-10	04/19/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GMW-SF-10	10/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
GW-1	10/17/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.84	2.3	<10	<2	<2	<2
GW-1	08/03/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-1	04/29/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	4.7	<2	<10	<2	<2	<2
GW-1	10/21/15	<100	---	<100	---	---	2.3	<0.50	4.2	15	4.9	<2	<10	<2	<2	<2
GW-1	10/05/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	9.1	<1	<10	<2	<2	<2
GW-1	04/19/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	1.8	<1	<10	<2	<2	<2
GW-2	01/12/10	<100	---	---	---	120	3.6	<0.50	<0.50	<0.50	23	1.8	8.8 J	2.6	<2	<2
GW-2	10/08/10	180	---	---	---	800	18	---	---	---	4.6	1.4	21	---	---	---
GW-2	04/19/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	4	0.6	<10	<2	<2	<2
GW-2	07/10/12	---	---	---	---	110	2.4	<0.50	<0.50	0.24	6.2	0.69	10	0.79 J	<2	<2
GW-2	04/11/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	11	1.2	<10	0.46 J	<2	<2
GW-2	10/07/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	4.3	0.55	<10	<2	<2	<2
GW-2	04/15/14	<100	---	<95	---	---	<0.50	<0.50	<0.50	<0.50	3.3	0.51	<10	<2	<2	<2
GW-2	11/03/14	1800	---	230	---	---	31	4	65	350	2.5	<2	<10	<2	<2	<2
GW-2	04/21/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	2.4	<2	<10	<2	<2	<2
GW-2	10/22/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	1.1	<2	<10	<2	<2	<2
GW-2	04/12/16	<100	---	<100	---	---	1	<0.50	1.9	6.1	1.2	<1	<10	<2	<2	<2
GW-2	10/05/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	1.6	<1	<10	<2	<2	<2
GW-2	04/19/17	<100	---	170	---	---	<0.50	<0.50	<0.50	<1	0.5	<1	<10	<2	<2	<2
GW-2	10/05/17	<100	---	160	---	---	<0.50	<0.50	<0.50	<1	1.9	<1	<10	<2	<2	<2
GW-2	04/19/18	<100	---	190	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-2	11/08/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	0.51	<1	<10	<2	<2	<2
GW-2	04/18/19	<100	---	260	---	---	<0.50	<0.50	<0.50	<1	<0.50	3.4	<10	<2	<2	<2
GW-2	11/05/19	<100	---	240	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-2	05/07/20	<100	---	270	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-2	10/26/20	<100	---	160	---	---	<0.50	<0.50J	<0.50J	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-2	05/06/21	<100	---	130	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-3	04/11/03	---	134	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GW-3	10/11/03	---	300	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	---	---	---	---
GW-3	04/22/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	<2	<2	<2
GW-3	11/04/04	---	3900	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/10/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	11/08/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/03/06	---	200	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	12/06/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	05/03/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-j ₄	TPH-j ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GW-3	11/14/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/17/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	10/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/24/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	17	<2	<2	<2
GW-3	10/22/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/15/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	18	<2	<2	<2
GW-3	04/11/13	---	---	120	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	9.6 J	<2	<2	<2
GW-3	10/07/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	04/15/14	<100	---	<95	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-3	10/27/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GW-3	04/21/15	<100	---	100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GW-3	10/23/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GW-3	04/12/16	<100	---	<100	---	---	1	<0.50	2.2	6.9	<0.50	<1	<10	<2	<2	<2
GW-3	10/05/16	<100	---	100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-3	04/19/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-3	10/02/17	<100	---	290	---	---	2.4	<0.50	6	2	<0.50	<1	<10	<2	<2	<2
GW-3	10/25/17	---	---	240	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-3	04/19/18	<100	---	170	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-3	11/08/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-3	04/17/19	<100	---	<100J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-3	10/29/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-3	05/04/20	<100	---	140	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-3	10/22/20	<100	---	150	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-3	05/06/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-4	04/24/15	<100	---	270	---	---	<0.50	<0.50	<0.50	<1	<0.50	2.6	<10	<2	<2	<2
GW-4	10/22/15	<100	---	4100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GW-4	10/10/16	<100	---	120	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-6	11/06/98	339	<100	---	---	---	9.3	1.1	8.4	6.6	<0.50	<0.50	---	---	---	---
GW-6	05/27/99	<300	<100	---	---	---	62	<0.50	12	<0.50	<0.50	<0.50	---	---	---	---
GW-6	11/18/99	690	930	---	---	---	90	<1	80	<0.50	<0.50	<0.50	---	---	---	---
GW-6	05/17/00	<300	160	---	---	---	1.7	<0.50	2.5	<0.50	<0.50	19	---	---	---	---
GW-6	12/01/00	<300	180	---	---	---	3.7	<0.50	1.6	<0.50	<0.50	21	---	---	---	---
GW-6	05/10/01	<300	140	---	---	---	0.7	<0.50	<0.50	<0.50	<0.50	23	---	---	---	---
GW-6	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	21	---	---	---	---
GW-6	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	9.6	---	---	---	---
GW-6	04/11/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
GW-6	10/10/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.71	---	---	---	---
GW-6	04/22/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	11/04/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/10/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	11/08/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/05/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	05/02/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	04/17/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	10/15/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	04/21/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<2	<2	<2

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Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GW-6	10/22/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<10	<2	<2	<2
GW-6	04/13/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<10	<2	<2	<2
GW-6	10/05/10	---	---	---	---	110	<0.50	---	---	---	<0.50	1.1	4.7 J	---	---	---
GW-6	10/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<10	<2	<2	<2
GW-6	04/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	<10	<2	<2	<2
GW-6	10/19/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<10	<2	<2	<2
GW-6	04/10/13	---	---	130 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<10	<2	<2	<2
GW-6	10/08/13	<100	---	180 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	12	<2	<2	<2
GW-6	04/15/14	<100	---	<95	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-6	10/27/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GW-6	04/21/15	<100	---	250	---	---	<0.50	<0.50	<0.50	<1	<0.50	3.1	25	<2	<2	<2
GW-6	10/05/16	<100	---	140	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.4	<10	<2	<2	<2
GW-6	04/19/17	<100	---	110	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-6	10/05/17	<100	---	230	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.9	<10	<2	<2	<2
GW-6	04/18/18	<100	---	180	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.7	<10	<2	<2	<2
GW-6	11/08/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-6	04/17/19	<100	---	410 J	---	---	<0.50	<0.50	<0.50	<1	<0.50	3.6	<10	<2	<2	<2
GW-6	11/05/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-6	05/05/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-6	10/20/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10J	<2.0	<2.0	<2.0
GW-6	05/05/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-7	04/12/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	---	---	---	---
GW-7	04/22/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GW-7	10/11/16	<100	---	120	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-7	04/19/17	<100	---	270	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-8	10/09/13	<100	---	190 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-8	04/18/14	<100	---	100 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-8	10/28/14	<100	---	180	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GW-8	04/24/15	<100	---	170	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GW-8	10/22/15	<100	---	110	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GW-8	10/07/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-8	04/18/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-8	10/03/17	<100	---	150	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-8	04/18/18	<100	---	160	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-8	11/09/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-8	04/16/19	<100	---	100 J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-8	11/05/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-8	05/05/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-8	10/19/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-8	05/05/21	<100	---	140	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-13(1")	11/15/07	---	1400	---	---	---	<0.50	<0.50	<0.50	<0.50	0.94	3.5	20	<2	<2	<2
GW-13(6")	05/03/07	---	2800	---	---	---	<0.50	<0.50	<0.50	<0.50	0.83	5.3	31	<2	<2	<2
GW-13(6")	04/17/08	230	1300	---	---	---	<0.50	<0.50	<0.50	<0.50	0.99	4.4	28	<2	<2	<2
GW-13(6")	04/24/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	14	11	<10	2.1	<2	<2
GW-13(6")	01/12/10	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	21	4.8	5.2 J	3.7	<2	<2
GW-13(6")	04/13/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	7.4	12	16	1.5 J	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GW-13(6")	10/08/10	<100	---	---	---	120	<0.50	---	---	---	5	11	24	---	---	---
GW-13(6")	04/22/11	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	3.7	6.8	16	0.72 J	<2	<2
GW-13(6")	04/18/12	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	6.9	3	<10	1.2 J	<2	<2
GW-13(6")	07/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.6	0.78	<10	<2	<2	<2
GW-13(6")	04/10/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	9.1	1.7	19	2 J	<2	<2
GW-13(6")	10/09/13	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	2.4	0.92	<10	<2	<2	<2
GW-13(6")	04/16/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	9.2	1.4	<10	1.8 J	<2	<2
GW-13(6")	11/03/14	1500	---	170	---	---	9.4	2.4	53	280	7.6	<2	<10	<2	<2	<2
GW-13(6")	04/21/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	8.5	<2	<10	<2	<2	<2
GW-13(6")	10/22/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	6.2	<2	<10	<2	<2	<2
GW-13(6")	04/12/16	<100	---	<100	---	---	0.57	<0.50	1.6	5.4	6.6	<1	<10	<2	<2	<2
GW-13(6")	10/05/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	8.1	<1	<10	<2	<2	<2
GW-13(6")	04/19/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	1.7	<1	<10	<2	<2	<2
GW-13(6")	10/05/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	1.4	<1	<10	<2	<2	<2
GW-13(6")	04/19/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	4.1	1.6	<10	<2	<2	<2
GW-13(6")	11/08/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	1.6	<1	<10	<2	<2	<2
GW-13(6")	04/18/19	<100	---	380	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.4	<10	<2	<2	<2
GW-13(6")	11/05/19	<100	---	430	---	---	<0.50	<0.50	<0.50	<1.0	0.87	1.6	23	<2.0	<2.0	<2.0
GW-13(6")	05/11/20	<100	---	150	---	---	<0.50	<0.50	<0.50	<1.0	0.66	<1.2	<10	<2.0	<2.0	<2.0
GW-13(6")	10/22/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-13(6")	05/04/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-14(1")	11/15/07	---	950	---	---	---	35	<0.50	14	3.94	<0.50	18	20	<2	<2	<2
GW-14(1")	04/18/08	900	1000	---	---	---	78	<0.50	<0.50	2.25	<0.50	18	13	<2	<2	<2
GW-14(1")	10/22/09	110	---	---	---	900	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-14(1")	01/13/10	950	---	---	---	2100	62	0.35 J	1	1.4	<0.50	17	18	<2	<2	<2
GW-14(6")	05/03/07	---	4000	---	---	---	200	5.2	220	900	---	39	---	---	---	---
GW-14(6")	10/16/08	820	---	---	---	2700	40	<0.50	2.1	1	<0.50	22	16	<2	<2	<2
GW-14(6")	04/24/09	690	---	---	---	1600	66	<0.50	0.99	0.64	<0.50	13	14	<2	<2	<2
GW-14(6")	04/15/11	---	---	---	---	2600	---	---	---	---	---	---	---	---	---	---
GW-14(6")	04/22/11	---	---	---	---	---	76	<0.50	9.4	9.01	<0.50	17	7.8 J	<2	<2	0.87 J
GW-14(6")	04/20/12	1800 b	---	---	---	1300	19	<0.50	14	6.46	<0.50	8.5	<10	<2	<2	<2
GW-14(6")	07/10/12	---	---	---	---	2200	18	<0.50	16	10.6	<0.50	8.2	5.1 J	<2	<2	<2
GW-14(6")	04/12/13	1800 b	---	4800	---	---	30	<0.50	8.2	1.34 J	<0.50	13	10	<2	<2	0.82 J
GW-14(6")	10/09/13	1600 HD	---	3400 HD	---	---	48	<0.50	7.3	1.15	<0.50	15	<10	<2	<2	<2
GW-14(6")	04/17/14	2200 HD	---	7700 HD	---	---	32	<0.50	8.4	1.22	<0.50	11	64	<2	<2	<2
GW-14(6")	10/31/14	1700	---	3200	---	---	160	<0.50	1.1	0.62	<0.50	20	20	<2	<2	<2
GW-14R	10/26/20	1400	---	8100	---	---	7.5	<0.50J	5.5 J	1.2	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-15(6")	05/03/07	8500	1600	---	---	---	1100	1000	130	570	<0.50	<0.50	<10	<2	<2	<2
GW-15(6")	11/03/14	32000	---	11000	---	---	2700	78	1100	5100	<10	<40	<200	<40	<40	<40
GW-15(6")	04/21/15	7700	---	2100	---	---	250	<10	150	850	<10	<40	<200	<40	<40	<40
GW-15(6")	10/26/15	7500	---	38000	---	---	350	<2.5	120	660	<2.5	<10	<50	<10	<10	<10
GW-15(6")	10/11/16	8700	---	24000	---	---	730	<2.5	<2.5	<5	<2.5	<5	<50	<10	<10	<10
GW-15(6")	10/09/17	990	---	610	---	---	550	<5	<5	10	<5	<10	<100	<20	<20	<20
GW-15(6")	04/23/18	640	---	360	---	---	340	<5	<5	<10	<5	<10	<100	<20	<20	<20
GW-15(6")	11/15/18	<100	---	<100	---	---	11	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-15(6")	04/18/19	190	---	350	---	---	50	2.4	0.84	11	<0.50	<1	<10	<2	<2	<2

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GW-15(6")	11/06/19	<100	---	140	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-15(6")	05/07/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-15(6")	10/21/20	<100	---	8000 J	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-15(6")	05/10/21	<100	---	120	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-16(6")	10/23/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	01/13/10	<100	---	---	---	460	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.4 J	<2	<2	<2
GW-16(6")	04/19/10	---	---	---	---	<100	<0.50	<0.50	2.6	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	10/08/10	<100	---	---	---	<100	1.7	---	---	---	<0.50	<0.50	5.5 J	---	---	---
GW-16(6")	04/12/11	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	76	<2	<2	<2
GW-16(6")	10/09/13	<100	---	1300 HD	---	---	1	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	04/17/14	<100	---	<98	---	---	4.7	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
GW-16(6")	11/03/14	2500	---	250	---	---	58	6	88	470	<0.50	<2	<10	<2	<2	<2
GW-16(6")	04/21/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
GW-16(6")	10/21/15	100	---	<100	---	---	7.1	<0.50	7.4	26	<0.50	<2	<10	<2	<2	<2
GW-16(6")	04/13/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	2.3	<0.50	<1	<10	<2	<2	<2
GW-16(6")	10/04/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-16(6")	04/18/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-16(6")	10/03/17	<100	---	<100	---	---	2.2	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-16(6")	04/17/18	<100	---	140	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-16(6")	11/09/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-16(6")	04/16/19	<100	---	<100J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
GW-16(6")	10/30/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-16(6")	05/05/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-16(6")	10/21/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GW-16(6")	05/05/21	<100	---	160	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
GWR-1	11/26/96	---	---	---	---	---	1500	21	150	102	<5	2700	---	---	---	---
GWR-1	07/16/97	1300	---	920	---	---	220	<5	360	28.8	<5	1800	---	---	---	---
GWR-1	01/09/98	210	---	<500	---	---	2.9	<0.50	40	240	<0.50	330	---	---	---	---
GWR-1	05/27/98	4100	---	---	---	---	960	90	90	240	<0.50	630	---	---	---	---
GWR-1	11/17/98	3830	3320	---	---	---	1200	74	99	387	<25	1070	---	---	---	---
GWR-1	05/07/99	4200	---	530	---	---	1600	22	96	290	<13	910	---	---	---	---
GWR-1	11/18/99	1300	800	---	---	---	220	<10	14	14	<10	690	---	---	---	---
GWR-1	05/16/00	880	1400	---	---	---	160	<10	16	16	6.1	550	---	---	---	---
GWR-1	11/30/00	3200	5300	---	---	---	1600	8.6	87	33	<0.50	360	---	---	---	---
GWR-1	05/08/01	4400	6900	---	---	---	1800	170	160	235	<10	370	---	---	---	---
GWR-1	11/06/01	2300	710	---	---	---	240	13	31	56	<0.50	2400	---	---	---	---
GWR-1	04/09/02	2500	1000	---	---	---	580	<10	18	57	<10	4000	---	---	---	---
GWR-1	10/23/02	1900	1900	---	---	---	270	<10	<10	<10	<10	2500	---	---	---	---
GWR-1	10/07/03	1400	500	---	---	---	150	1.7	7.5	19.7	110	1300	---	---	---	---
GWR-1	05/06/05	16000	39000	---	---	---	260	610	460	2060	<5	11	---	---	---	---
GWR-1	08/01/05	8300	3800	---	---	---	1700	490	370	1110	<20	25	---	---	---	---
GWR-1	05/04/06	3700	1900	---	---	---	980	23	120	343	<10	19	---	---	---	---
GWR-1	09/18/06	960	880	---	---	---	220	4.4	19	63.6	<2	5.4	---	---	---	---
GWR-1	05/02/07	750	720	---	---	---	170	1.3	12	<1	<2	4.1	---	---	---	---
GWR-1	04/17/08	3600	1500	---	---	---	1700	17	87	60	<30	21	---	---	---	---
GWR-1	04/20/09	5100	1700	---	---	---	3000	<15	48	<15	<30	31	<300	30	<30	<30

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-j ₄	TPH-j ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GWR-1	05/27/10	2100	1100	---	---	---	800	9.5	16	34	<10	23	<100	27	<10	<10
GWR-1	04/13/11	1300	2300	---	---	---	490	43	31	54	<5	4.1	160	5.2	<5	<5
GWR-1	04/20/12	450	---	230	---	---	84	<1	4.8	<1	<2	3.4	<20	4.9	<2	<2
GWR-1	10/18/12	440	---	240	---	---	140	2.2	<1.5	1.5	<3	8.6	68	15	<3	<3
GWR-1	04/11/13	<500	---	330	---	---	<2.5	<2.5	<2.5	<2.5	<5	9.1	68	13	<5	<5
GWR-1	10/11/13	<200	---	220	---	---	<1	<1	<1	<1	<2	6.7	120	12	<2	<2
GWR-1	04/17/14	130	---	90	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	6.6	180	10	<1	<1
GWR-1	10/30/14	<100	---	1000	---	---	<0.50	<0.50	<0.50	<0.50	<1	8.9	54	5.3	<1	<1
GWR-1R	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.72	<0.50	93	4.7	<1	<1
GWR-1R	10/05/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.96	<0.50	76	5.2	<1	<1
GWR-1R	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.1	0.52	90	5.7	<1	<1
GWR-1R	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	61	3.3	<1	<1
GWR-1R	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1	<0.50	28	1.4	<1	<1
GWR-1R	11/01/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<10	<1.0	<1.0	<1.0
GWR-1R	05/11/20	<50	---	52	---	---	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<10	<1.0	<1.0	<1.0
GWR-1R	11/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	<10	<1.0	<1.0	<1.0
GWR-1R	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
GWR-3	10/08/10	21000	<29000	---	---	---	10000	<100	<100	<100	<200	400	<2000	<200	<200	<200
GWR-3	04/13/11	25000	36000	---	---	---	11000	<50	<50	<50	<100	300	<1000	<100	<100	<100
GWR-3	10/13/11	<20000	6600	---	---	---	9100	<100	<100	<100	<200	280	<2000	<200	<200	<200
HL-2	11/27/96	---	---	---	---	---	2600	100	560	390	170	3000	---	---	---	---
HL-2	07/16/97	1400	---	530	---	---	200	1.2	150	13.3	74	810	---	---	---	---
HL-2	01/09/98	150	---	---	---	---	<0.50	0.79	3.5	<1.5	40	570	---	---	---	---
HL-2	01/12/98	---	---	<500	---	---	---	---	---	---	---	---	---	---	---	---
HL-2	05/27/98	500	---	---	---	---	72	9	6	42	60	308	---	---	---	---
HL-2	11/17/98	<300	<100	---	---	---	0.95	<0.50	<0.50	0.6	0.94	13.8	---	---	---	---
HL-2	05/07/99	<500	---	<500	---	---	1.8	5.1	<0.50	1.8	<1	4.8	---	---	---	---
HL-2	11/19/99	<300	<100	---	---	---	2	<0.50	<0.50	<0.50	2.6	36	---	---	---	---
HL-2	05/16/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.4	14	---	---	---	---
HL-2	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.2	---	---	---	---
HL-2	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	7.3	---	---	---	---
HL-2	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	---	---	---	---
HL-2	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
HL-2	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	---	---	---	---
HL-2	07/08/03	---	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
HL-2	10/07/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.96	---	---	---	---
HL-2	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	7.9	---	---	---	---
HL-2	07/08/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	---	---	---	---
HL-2	05/06/05	280	<100	---	---	---	78	<0.50	<0.50	1.2	15	130	---	---	---	---
HL-2	11/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	1.8	---	---	---	---
HL-2	05/09/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	---	---	---	---
HL-2	12/06/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
HL-2	05/02/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
HL-2	11/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
HL-2	04/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	---	---	---	---
HL-2	10/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
HL-2	04/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<10	<1	<1	<1
HL-2	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	<10	<1	<1	<1
HL-2	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	0.61	<0.50	0.88	<10	<1	<1	<1
HL-2	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/13/16	<50	---	63	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	10/05/17	<50	---	270	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/19/18	<50	---	72	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-2	11/01/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-2	05/12/20	<50	---	52	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-2	11/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-2	05/06/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-3	05/10/01	<300	300	---	---	---	<0.50	<0.50	<0.50	<0.50	1.4	110	---	---	---	---
HL-3	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.6	93	---	---	---	---
HL-3	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.1	77	---	---	---	---
HL-3	10/23/02	<300	360	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	85	---	---	---	---
HL-3	10/07/03	80	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	67	---	---	---	---
HL-3	05/06/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
HL-3	05/03/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
HL-3	05/02/07	81	290	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	38	---	---	---	---
HL-3	04/17/08	<50	100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.7	---	---	---	---
HL-3	04/20/09	<50	130	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<10	<1	<1	<1
HL-3	05/27/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	10/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/16/14	<50	---	130	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	10/30/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
HL-3	04/22/15	<50	---	70	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<10	<1	<1	<1
HL-3	10/23/15	<50	---	60	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	03/14/16	130	---	130	---	---	1.1	2.8	7.1	27	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/13/16	<50	---	100	---	---	<0.50	<0.50	0.8	3	<0.50	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
HL-3	06/29/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	<10	<1	<1	<1
HL-3	10/06/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	10/05/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	11/09/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
HL-3	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-3	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-3	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-3	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
HL-4	11/25/96	---	---	---	---	---	<10	3.2	350	8.5	<3	1200	---	---	---	---
HL-4	07/16/97	270	---	<500	---	---	76	<1	<1	16.5	33	1500	---	---	---	---
HL-4	01/08/98	590	---	660	---	---	170	13	7.1	5	90	2300	---	---	---	---
HL-4	05/27/98	1100	---	---	---	---	156	26	15	120	28	440	---	---	---	---
HL-4	11/17/98	2030	1380	---	---	---	700	76.2	20	107.8	<0.50	904	---	---	---	---
HL-4	05/07/99	2800	---	<500	---	---	1100	31	130	84	<6	1500	---	---	---	---
HL-4	11/18/99	2500	1100	---	---	---	720	<10	<10	118	<10	520	---	---	---	---
HL-4	05/16/00	1200	1000	---	---	---	300	<10	<10	29	51	740	---	---	---	---
HL-4	11/29/00	1900	1200	---	---	---	26	<10	<10	<10	89	2800	---	---	---	---
HL-4	05/08/01	1700	1100	---	---	---	39	<0.50	0.5	1.7	27	3300	---	---	---	---
HL-4	11/06/01	950	140	---	---	---	97	<0.50	<0.50	0.9	<0.50	930	---	---	---	---
HL-4	04/09/02	1600	230	---	---	---	940	<5	<5	35	<5	200	---	---	---	---
HL-4	10/23/02	<300	320	---	---	---	8.5	<5	<5	<5	<5	1100	---	---	---	---
HL-4	04/08/03	1500	<100	---	---	---	2.8	<2.5	<2.5	<2.5	36	2200	---	---	---	---
HL-4	10/07/03	690	110	---	---	---	140	<1	<1	<1	<2	480	---	---	---	---
HL-4	04/21/04	340	<100	---	---	---	39	<0.50	<0.50	<0.50	<1	370	---	---	---	---
HL-4	11/03/04	200	120	---	---	---	54	<0.50	<0.50	<0.50	<0.50	13	---	---	---	---
HL-5	07/14/97	950	---	3200	---	---	---	---	---	---	---	---	---	---	---	---
HP-1	08/07/97	---	---	---	170	---	<5	<5	<5	<10	<5	<5	---	---	---	---
HP-2	08/07/97	---	---	---	130	---	<5	<5	<5	<10	<5	<5	---	---	---	---
HP-3	08/07/97	---	---	---	<50	---	<5	<5	<5	<10	<5	<5	---	---	---	---
HP-6	08/08/97	---	---	---	230	---	<5	<5	<5	<10	<5	<5	---	---	---	---
HP-8	08/08/97	---	---	---	35000	---	11000	12000	1200	7300	<500	<500	---	---	---	---
MW-6	11/22/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	130	70	---	---	---	---
MW-6	07/16/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	32	62	---	---	---	---
MW-6	01/05/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	11	39	---	---	---	---
MW-6	05/26/98	<300	---	---	---	---	<2.5	<2.5	<2.5	<5	118	107	---	---	---	---
MW-6	11/17/98	<300	<100	---	---	---	4.8	11.6	1.5	9.9	9.2	12.7	---	---	---	---
MW-6	05/07/99	<500	---	<500	---	---	<0.50	1.5	<0.50	<0.50	83	120	---	---	---	---
MW-6	11/16/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	20	18	---	---	---	---
MW-6	05/19/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	14	12	---	---	---	---
MW-6	11/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	12	3	---	---	---	---
MW-6	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	9.8	11	---	---	---	---
MW-6	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	11	6.2	---	---	---	---
MW-6	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	7.6	6	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-6	10/24/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	9.4	4.6	---	---	---	---
MW-6	04/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	7.4	3.2	---	---	---	---
MW-6	10/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	9.1	2.5	---	---	---	---
MW-6	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4.9	2.8	---	---	---	---
MW-6	11/05/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4	4	---	---	---	---
MW-6	05/05/05	89	100	---	---	---	<0.50	<0.50	<0.50	<0.50	16	61	---	---	---	---
MW-6	11/03/05	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	9.9	30	---	---	---	---
MW-6	05/03/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	6.8	2.5	---	---	---	---
MW-6	12/07/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	7.1	2.7	---	---	---	---
MW-6	05/05/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4	2.5	---	---	---	---
MW-6	11/14/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	3.4	2.3	---	---	---	---
MW-6	04/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.2	2.7	---	---	---	---
MW-6	10/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.5	4	---	---	---	---
MW-6	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.6	0.69	<10	<1	<1	<1
MW-6	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.5	1	<10	<1	<1	<1
MW-6	05/27/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.5	1.9	<10	<1	<1	<1
MW-6	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.7	2	<10	<1	<1	<1
MW-6	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.7	2.3	<10	<1	<1	<1
MW-6	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.2	1	<10	<1	<1	<1
MW-6	04/19/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.86	<0.50	<10	<1	<1	<1
MW-6	10/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-6	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.7	<0.50	<10	<1	<1	<1
MW-6	10/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.82	0.51	<10	<1	<1	<1
MW-6	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.58	0.55	<10	<1	<1	<1
MW-6	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.51	0.67	<10	<1	<1	<1
MW-6	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1	<10	<1	<1	<1
MW-6	10/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	0.99	1.9	5.7	<10	1.1	<1	<1
MW-6	04/14/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.72	1.2	<10	<1	<1	<1
MW-6	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.96	1.2	<10	<1	<1	<1
MW-6	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.99	2.2	<10	<1	<1	<1
MW-6	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	14	2	<10	1.3	<1	<1
MW-6	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	7.5	3.6	<10	2.3	<1	<1
MW-6	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.3	1.6	<10	<1	<1	<1
MW-6	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	3.1	1.8	<10	<1	<1	<1
MW-6	10/29/19	<50	---	67	---	---	<0.50	<0.50	<0.50	<0.50	2.7	0.76	<10	<1.0	<1.0	<1.0
MW-6	05/07/20	<50	---	51	---	---	<0.50	<0.50	<0.50	<0.50	2.5	0.75	<10	<1.0	<1.0	<1.0
MW-6	11/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.6	0.51	<10	<1.0	<1.0	<1.0
MW-6	05/05/21	<50	---	53	---	---	<0.50	<0.50	<0.50	<0.50	0.76	<0.50	<10	<1.0	<1.0	<1.0
MW-7	11/25/96	---	---	---	---	---	3.5	<1	16	<3	6.8	1000	---	---	---	---
MW-7	07/14/97	540	---	<500	---	---	88	<3	<3	<3	<3	790	---	---	---	---
MW-7	01/08/98	150	---	<500	---	---	9	<0.50	<0.50	<1.5	4.1	400	---	---	---	---
MW-7	05/26/98	400	---	---	---	---	<5	<5	<5	7	10	380	---	---	---	---
MW-7	11/17/98	<300	<100	---	---	---	5.4	7	<5	<5	<5	351	---	---	---	---
MW-7	05/07/99	<500	---	<500	---	---	0.79	2.2	<0.50	0.71	6.8	540	---	---	---	---
MW-7	11/16/99	540	<100	---	---	---	8.5	<0.50	<0.50	<0.50	4.7	670	---	---	---	---
MW-7	05/17/00	590	880	---	---	---	<5	<5	<5	<5	14	900	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-7	11/30/00	590	320	---	---	---	4.1	<0.50	<0.50	<0.50	5.4	640	---	---	---	---
MW-7	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	3.1	36	---	---	---	---
MW-7	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.4	8.2	---	---	---	---
MW-7	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.6	71	---	---	---	---
MW-7	10/23/02	<300	180	---	---	---	<0.50	<0.50	<0.50	<0.50	2	5	---	---	---	---
MW-7	04/10/03	57	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.6	1.3	---	---	---	---
MW-7	10/07/03	67	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.5	1.2	---	---	---	---
MW-7	04/21/04	62	120	---	---	---	<0.50	<0.50	<0.50	<0.50	0.68	1.4	---	---	---	---
MW-7	11/03/04	58	140	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	---	---	---	---
MW-7	05/06/05	58	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.82	---	---	---	---
MW-7	11/03/05	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
MW-7	05/03/06	<50	<110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-7	12/06/06	<50	270	---	---	---	<0.50	<0.50	<0.50	<0.50	0.65	1.5	---	---	---	---
MW-7	05/02/07	<50	160	---	---	---	<0.50	<0.50	<0.50	<0.50	0.64	0.83	---	---	---	---
MW-7	11/13/07	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	0.57	0.83	---	---	---	---
MW-7	04/17/08	<50	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	---	---	---	---
MW-7	10/17/08	<50	190	---	---	---	<0.50	<0.50	<0.50	<0.50	1.8	0.94	---	---	---	---
MW-7	04/20/09	<50	110	---	---	---	<0.50	<0.50	<0.50	<0.50	2.1	0.6	<10	2.9	<1	<1
MW-7	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.8	0.56	<10	2	<1	<1
MW-7	05/26/10	<50	110	---	---	---	<0.50	<0.50	<0.50	<0.50	0.87	<0.50	<10	5.5	<1	<1
MW-7	10/07/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1	0.64	260	9.3	<1	<1
MW-7	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	98	6	<1	<1
MW-7	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.99	<0.50	25	1.5	<1	<1
MW-7	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<10	<1	<1	<1
MW-7	10/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1	<0.50	<10	<1	<1	<1
MW-7	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<10	<1	<1	<1
MW-7	10/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<1	<1	<1
MW-7	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<10	<1	<1	<1
MW-7	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.82	<0.50	<10	<1	<1	<1
MW-7	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-7	10/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1	<0.50	<10	<1	<1	<1
MW-7	04/14/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.78	<0.50	<10	<1	<1	<1
MW-7	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<1	<1	<1
MW-7	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.77	<0.50	<10	<1	<1	<1
MW-7	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-7	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.61	<0.50	<10	<1	<1	<1
MW-7	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.94	<0.50	<10	<1	<1	<1
MW-7	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<1	<1	<1
MW-7	10/29/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-7	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-7	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-7	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-8	11/26/96	---	---	---	---	---	4400	<30	<30	<80	<30	26000	---	---	---	---
MW-8	07/17/97	<100	---	520	---	---	<10	<10	<10	<20	<10	11000	---	---	---	---
MW-8	01/02/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	<0.50	14	---	---	---	---
MW-8	05/20/98	400	---	---	---	---	<2.5	<2.5	<2.5	<5	<2.5	554	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-8	11/17/98	<300	<100	---	---	---	2.4	6	0.8	4.6	<0.50	55.6	---	---	---	---
MW-8	05/07/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	52	---	---	---	---
MW-8	11/18/99	<416	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	7.2	---	---	---	---
MW-8	05/17/00	<300	170	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3	---	---	---	---
MW-8	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	15	---	---	---	---
MW-8	02/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	380	---	---	---	---
MW-8	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	430	---	---	---	---
MW-8	09/19/01	790	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1000	---	---	---	---
MW-8	01/30/02	1700	<100	---	---	---	<10	<10	<10	<10	<10	1900	---	---	---	---
MW-8	04/10/02	1500	<100	---	---	---	11	<10	<10	<10	<10	2200	---	---	---	---
MW-8	10/22/02	<300	<100	---	---	---	150	<10	11.5	<10	<10	750	---	---	---	---
MW-8	01/29/03	<300	<100	---	---	---	<1	<1	<1	<1	<1	190	---	---	---	---
MW-8	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	28	---	---	---	---
MW-8	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	13	---	---	---	---
MW-8	10/06/03	79	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.7	---	---	---	---
MW-8	01/28/04	100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4	---	---	---	---
MW-8	04/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.61	---	---	---	---
MW-8	07/19/04	80	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.95	---	---	---	---
MW-8	11/02/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-8	02/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	---	---	---	---
MW-8	05/04/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	---	---	---	---
MW-8	08/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	---	---	---	---
MW-8	11/01/05	110	270	---	---	---	<0.50	<0.50	<0.50	4.2	<0.50	0.6	---	---	---	---
MW-8	02/27/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.65	---	---	---	---
MW-8	05/02/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	1.1	---	---	---	---
MW-8	09/19/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	1.6	---	---	---	---
MW-8	12/06/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.61	---	---	---	---
MW-8	03/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-8	05/04/07	<200	<100	---	---	---	<1	<1	<1	<1	<2	<1	---	---	---	---
MW-8	08/29/07	<200	<100	---	---	---	<1	<1	<1	<1	<2	<1	---	---	---	---
MW-8	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	1.9	---	---	---	---
MW-8	02/07/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	---	---	---	---
MW-8	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
MW-8	10/14/08	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.59	---	---	---	---
MW-8	04/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1	2000	<1	<1	<1
MW-8	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.69	570	<1	<1	<1
MW-8	05/27/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	<10	<1	<1	<1
MW-8	10/07/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<1600	<1	<1	<1
MW-8	04/13/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1100	<1	<1	<1
MW-8	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	970	<1	<1	<1
MW-8	04/19/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	71	<1	<1	<1
MW-8	10/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	220	<1	<1	<1
MW-8	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	10/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	10/30/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-8	04/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	<10	<1	<1	<1
MW-8	10/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<10	<1	<1	<1
MW-8	04/14/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	<10	<1	<1	<1
MW-8	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	11/08/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-8	10/31/19	1200	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-8	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-8	11/04/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-8	05/04/21	<50	---	59	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-9	11/26/96	---	---	---	---	---	18	<0.50	69	1.6	<0.50	<5	---	---	---	---
MW-9	07/17/97	1400	---	2900	---	---	40	<1	140	21.5	<1	<10	---	---	---	---
MW-9	01/08/98	1100	---	570	---	---	19	0.74	55	2.4	<0.50	<5	---	---	---	---
MW-9	05/26/98	4700	---	---	---	---	69	<0.30	51	97.2	<2.5	10	---	---	---	---
MW-9	11/18/99	1800	4500	---	---	---	24	<0.50	2.7	2	<0.50	<0.50	---	---	---	---
MW-9	05/19/00	1300	3900	---	---	---	12	<0.50	0.8	0.5	<0.50	1.8	---	---	---	---
MW-9	11/05/04	2500	21000	---	---	---	27	<0.50	0.84	0.52	<1	52	---	---	---	---
MW-9	05/06/05	780	3300	---	---	---	2.3	<1	25	<1	<2	110	---	---	---	---
MW-9	11/01/05	1700	5400	---	---	---	9.3	<1	4.7	5.3	<2	120	---	---	---	---
MW-9	05/04/06	1000	10000	---	---	---	13	<0.50	2.2	1.4	<1	140	---	---	---	---
MW-9	12/08/06	1400	14000	---	---	---	16	<0.50	<0.50	<0.50	<0.50	160	---	---	---	---
MW-9	05/04/07	1700	610000	---	---	---	9.2	<0.50	0.5	<0.50	<1	130	---	---	---	---
MW-9	04/18/08	2500	11000	---	---	---	51	<1	1.7	1.9	<2	16	---	---	---	---
MW-9	10/14/08	1600	4700	---	---	---	27	<1	<1	<1	<2	26	---	---	---	---
MW-9	04/23/09	1600	11000	---	---	---	33	<2.5	<2.5	<2.5	<5	6.2	130	<5	<5	<5
MW-9	05/27/10	1600	11000	---	---	---	24	<5	<5	<5	<10	<5	<100	<10	<10	<10
MW-9	10/07/10	2400	<12000	---	---	---	23	<2	<2	<2	<4	3.3	50	<4	<4	<4
MW-9	04/14/11	1400	28000	---	---	---	18	<5	<5	<5	<10	<5	<100	<10	<10	<10
MW-9	10/12/11	1200	8700	---	---	---	17	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
MW-9	04/20/12	2200	---	4500	---	---	20	<5	<5	<5	<10	<5	<100	<10	<10	<10
MW-9	10/17/12	1200	---	2500	---	---	9.1	<2.5	<2.5	<2.5	<5	3.7	<50	<5	<5	<5
MW-9	04/11/13	870	---	4400	---	---	4.8	<2.5	<2.5	<2.5	<5	4.5	<50	<5	<5	<5
MW-9	10/10/13	1200	---	2100	---	---	4.2	<1	<1	<1	<2	11	45	<2	<2	<2
MW-9	04/17/14	1100	---	2500	---	---	<2.5	<2.5	<2.5	<2.5	<5	13	150	<5	<5	<5
MW-9	10/30/14	<500	---	2600	---	---	<2.5	<2.5	<2.5	<2.5	<5	6.7	51	<5	<5	<5
MW-9	04/23/15	660	---	2900	---	---	5	3.6	2.6	24	<5	6.4	83	<5	<5	<5
MW-9	10/26/15	420	---	1600	---	---	<0.50	<0.50	<0.50	<0.50	<1	5.8	40	<1	<1	<1
MW-9	04/14/16	260	---	1100	---	---	1.7	<0.50	<0.50	<0.50	<0.50	1.8	30	<1	<1	<1
MW-9	10/05/16	85	---	280	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	22	<1	<1	<1
MW-9	04/19/17	99	---	600 J	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	20	<1	<1	<1
MW-9	10/05/17	<100	---	340	---	---	<0.50	<0.50	<0.50	<0.50	<1	2.6	22	<1	<1	<1
MW-9	04/19/18	66	---	250	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	15	<1	<1	<1
MW-9	11/09/18	<50	---	340	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1	14	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																	
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME	
MW-9	04/18/19	<100	---	130	---	---	<0.50	<0.50	<0.50	<0.50	<1	0.67	<10	<1	<1	<1	
MW-9	10/30/19	<50	---	280	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	
MW-9	05/08/20	<50	---	320	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	<10	<1.0	<1.0	<1.0	
MW-9	11/06/20	<100	---	360	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	0.59	<10	<1.0	<1.0	<1.0	
MW-9	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	
MW-10	11/21/96	<38	---	<500	<500	---	<0.50	<0.50	5.1	2.3	<0.50	---	---	---	---	---	
MW-10	07/09/97	<50	---	170	<50	---	<0.50	<1	2	<2	---	---	---	---	---	---	
MW-10	01/06/98	<500	---	<100	<100	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-10	05/20/98	<300	---	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-10	11/04/98	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-10	05/27/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-10	11/18/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-10	05/16/00	<300	120	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---	
MW-10	11/29/00	<300	<100	---	---	---	<0.30	<0.30	<0.30	2.4	---	<5	---	---	---	---	
MW-10	05/09/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-10	11/07/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-10	04/10/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-10	04/14/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2	
MW-11	12/01/00	<300	290	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-11	05/10/01	<300	180	---	---	---	1	<0.30	0.61	<0.60	---	13	---	---	---	---	
MW-11	11/07/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---	
MW-11	04/10/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	19	---	---	---	---	
MW-11	04/14/03	---	6120	---	---	---	83.6	1.54	58.8	51	---	<3	---	---	---	---	
MW-11	10/10/03	---	1000	---	---	---	<0.30	<0.30	0.42	0.95	---	12	---	---	---	---	
MW-11	04/22/04	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	6.4	---	---	---	---	
MW-11	11/06/04	---	1300	---	---	---	2.3	<0.30	0.64	5.9	---	8.1	---	---	---	---	
MW-11	05/07/05	---	<100	---	---	---	0.34	0.61	<0.30	0.6	---	13	---	---	---	---	
MW-11	11/08/05	---	<100	---	---	---	0.33	<0.30	<0.30	0.69	---	37	---	---	---	---	
MW-11	05/05/06	---	2300	---	---	---	1.6	3.4	3.4	6.9	---	11	---	---	---	---	
MW-11	12/08/06	---	740	---	---	---	3.1	<0.50	<0.50	<1	---	20	---	---	---	---	
MW-11	05/03/07	---	1300	---	---	---	4.3	<0.50	0.86	1.1	---	43	---	---	---	---	
MW-11	11/14/07	---	450	---	---	---	<0.50	<0.50	<0.50	<1	---	18	---	---	---	---	
MW-11	04/18/08	---	1100	---	---	---	<0.50	<0.50	1	1.5	---	<5	---	---	---	---	
MW-11	10/17/08	---	---	---	---	---	880	<0.50	<0.50	<0.50	<0.50	12	<10	<2	<2	<2	
MW-11	04/24/09	---	---	---	---	---	520	<0.50	<0.50	<0.50	<0.50	8.7	<10	<2	<2	<2	
MW-11	10/22/09	---	---	---	---	---	670	<0.50	<0.50	<0.50	<0.50	3.9	<10	<2	<2	<2	
MW-11	04/14/10	---	---	---	---	---	700	<0.50	<0.50	0.58	<0.50	3.8	<10	<2	<2	<2	
MW-11	04/19/12	220	---	---	---	---	710	<0.50	<0.50	<0.50	0.31 J	<0.50	<0.50	<10	<2	<2	<2
MW-11	07/10/12	---	---	---	---	---	780	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2	
MW-12	05/22/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.10	<0.50	---	---	---	---	
MW-12	11/11/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-12	05/07/99	<500	---	<500	---	---	1.2	4.8	<0.50	2.1	<1	<0.50	---	---	---	---	
MW-12	11/16/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-12	05/19/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-12	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	
MW-12	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-12	11/07/01	<300	<100	---	---	---	1.3	1.1	<0.50	0.7	<0.50	<0.50	---	---	---	---
MW-12	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	10/24/02	<300	2800	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	04/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	10/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	04/22/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	11/05/04	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	11/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	05/03/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	12/07/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	05/05/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	11/14/07	<50	190	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	04/17/08	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	10/21/08	<50	170	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-12	04/22/09	<50	100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/21/09	<50	150	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/18/12	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/09/13	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	11/06/15	<50	---	61	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/04/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	04/19/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-12	10/29/19	<50	---	120	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-12	05/12/20	<50	---	61	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-12	11/05/20	<50	---	83	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-12	05/06/21	<50	---	120	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-13	11/22/96	1100	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	---	---	---	---	---
MW-13	07/09/97	<50	---	<50	<50	---	<0.50	<1	<1	<2	---	---	---	---	---	---
MW-13	01/06/98	<500	---	<100	<100	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-13	05/20/98	<300	---	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-13	11/05/98	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-13	05/26/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-13	11/18/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-13	05/17/00	<300	20000	---	---	---	<0.30	1.2	<0.30	0.91	---	---	---	---	---	---
MW-13	11/29/00	<300	410	---	---	---	<0.30	<0.30	<0.30	0.89	---	<5	---	---	---	---
MW-13	03/30/01	---	<50	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-13	05/09/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
MW-13	11/07/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	14	---	---	---	---
MW-13	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-13	10/23/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
MW-13	04/09/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-13	10/08/03	---	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-13	04/21/04	---	160	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/03/04	---	320	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/05/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/05/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/03/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	12/05/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	05/02/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/16/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/15/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/20/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/22/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/19/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/06/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
MW-13	04/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/09/13	---	---	140 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	10/08/13	<100	---	330 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-13	04/15/14	<100	---	97 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	12	<2	<2	<2
MW-13	10/28/14	<100	---	100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-13	04/28/15	<100	---	<100	---	---	0.63	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-13	10/22/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-13	04/12/16	<100	---	<100	---	---	0.95	<0.50	2	6.2	<0.50	<1	<10	<2	<2	<2
MW-13	10/04/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-13	04/18/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-13	10/03/17	<100	---	270	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-13	04/17/18	<100	---	130	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-13	11/09/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1J	<10	<2	<2J	<2J
MW-13	04/16/19	<100	---	<100J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-13	10/29/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-13	05/05/20	<100	---	150	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-13	10/22/20	<100	---	100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-13	05/05/21	<100	---	230	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-14	11/21/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	99	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-14	07/09/97	<50	---	200	<50	---	<5	<5	<5	<5	<5	<5	---	---	---	---
MW-14	01/06/98	<500	---	<100	800	---	107	<0.50	4	10	2	15	---	---	---	---
MW-14	05/20/98	400	---	---	---	---	24	<0.50	7	14	<0.50	12	---	---	---	---
MW-14	08/26/98	<300	367	---	---	---	<0.50	<0.50	0.7	2.1	<0.50	109	---	---	---	---
MW-14	11/04/98	<300	361	---	---	---	<0.50	2.8	4.8	24.6	<0.50	48.6	---	---	---	---
MW-14	02/03/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<1	<1	86	---	---	---	---
MW-14	05/07/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	0.53	<1	450	---	---	---	---
MW-14	05/26/99	<300	<100	---	---	---	<0.50	<0.50	<0.70	1.1	<0.50	230	---	---	---	---
MW-14	08/10/99	<500	---	<1000	---	---	<0.50	<1	<1	<1	2.9	110	---	---	---	---
MW-14	11/18/99	<300	<100	---	---	---	<2.5	<5	<5	<5	12	26	---	---	---	---
MW-14	02/29/00	<300	420	---	---	---	<0.50	<0.50	<0.50	<0.50	36	15	---	---	---	---
MW-14	05/16/00	<300	370	---	---	---	<0.50	<0.50	<0.50	1.4	42	7.7	---	---	---	---
MW-14	08/29/00	<300	3800	---	---	---	<0.50	<0.50	<0.50	0.6	38	9.6	---	---	---	---
MW-14	11/29/00	<300	130	---	---	---	<0.50	<0.50	0.5	0.9	15	18	---	---	---	---
MW-14	02/06/01	<300	230	---	---	---	<0.50	<0.50	<0.50	0.5	11	13	---	---	---	---
MW-14	05/09/01	<300	310	---	---	---	<0.50	<0.50	1.8	7.4	32	8.2	---	---	---	---
MW-14	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	1.1	23	15	---	---	---	---
MW-14	11/07/01	<300	190	---	---	---	<0.50	<0.50	0.8	2.3	29	10	---	---	---	---
MW-14	01/30/02	<300	450	---	---	---	<0.50	<0.50	<0.50	1.5	8.1	25	---	---	---	---
MW-14	04/10/02	<300	<100	---	---	---	<0.50	<0.50	2.7	6.4	4.1	24	---	---	---	---
MW-14	07/30/02	<300	500	---	---	---	<0.50	<0.50	0.98	2.4	3.9	25	---	---	---	---
MW-14	10/23/02	<300	300	---	---	---	<0.50	<1	<1	<1	4.3	22	---	---	---	---
MW-14	01/28/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	0.67	5.9	17	---	---	---	---
MW-14	04/11/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.84	16.8	---	---	---	---
MW-14	10/10/03	---	580	---	---	---	<0.50	<0.50	1.2	4.03	7.4	19	---	---	---	---
MW-14	04/22/04	---	<100	---	---	---	<0.50	<0.50	<0.50	0.89	4.7	19	<10	<2	<2	<2
MW-14	07/21/04	250	290	---	---	---	<0.50	<0.50	0.61	1.4	---	22	---	---	---	---
MW-14	11/04/04	---	610	---	---	---	<0.50	<0.50	<0.50	<0.50	5.6	19	<10	<2	<2	<2
MW-14	03/02/05	---	320	---	---	---	<0.50	<1	<1	<1	---	14	---	---	---	---
MW-14	05/07/05	---	430	---	---	---	1.3	<0.50	<0.50	<0.50	<0.50	9.3	22	<2	<2	<2
MW-14	11/08/05	---	2200	---	---	---	6.5	<0.50	1.3	3.6	1	3.6	32	<2	<2	<2
MW-14	05/03/06	---	2600	---	---	---	<0.50	<0.50	<0.50	<0.50	0.78	4.2	31	<2	<2	<2
MW-14	07/28/06	290	4300	---	---	---	<0.50	<0.50	<0.50	<0.50	0.83	4.2	31	<2	<2	<2
MW-14	12/06/06	---	1900	---	---	---	<0.50	<0.50	<0.50	<0.50	0.98	3.3	20	<2	<2	<2
MW-14	03/23/07	670	3400	---	---	---	<0.50	<0.50	<0.50	<0.50	0.94	3.5	29	<2	<2	<2
MW-14	05/03/07	---	3100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.94	3.6	<10	<2	<2	<2
MW-14	08/31/07	480	2800	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	27	<2	<2	<2
MW-14	11/15/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.97	4	20	<2	<2	<2
MW-14	02/07/08	180	1400	---	---	---	<0.50	<0.50	<0.50	<0.50	0.86	5.2	28	<2	<2	<2
MW-14	04/17/08	---	1700	---	---	---	<0.50	<0.50	<0.50	<0.50	1.2	4.6	32	<2	<2	<2
MW-14	10/16/08	---	---	---	---	570	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	10	<2	<2	<2
MW-14	02/12/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.1	1.6	<10	<2	<2	<2
MW-14	04/22/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	16	1.9	<10	<2	<2	<2
MW-14	07/20/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	13	1.5	<10	2.4	<2	<2
MW-14	10/22/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	16	2.5	<10	3	<2	<2
MW-14	01/12/10	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	13	2.7	4.2 J	3.2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-14	04/13/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.4 J	4.3	<10	<2	<2	<2
MW-14	10/04/10	---	---	---	---	100	<0.50	---	---	---	0.99	3.4	<10	---	---	---
MW-14	01/10/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<10	<2	<2	<2
MW-14	04/13/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	3	<10	<2	<2	<2
MW-14	07/11/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.48 J	11	<2	<2	<2
MW-14	10/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	2.1	2.7	<10	0.83 J	<2	<2
MW-14	01/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	3.3	3.6	<10	0.83 J	<2	<2
MW-14	04/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	6.6	0.78	<10	1.2 J	<2	<2
MW-14	07/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	4	0.72	<10	1.1 J	<2	<2
MW-14	10/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	7	1.9	<10	1.3 J	<2	<2
MW-14	01/14/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	10	0.93	<10	1.7 J	<2	<2
MW-14	04/10/13	---	---	120 b	---	---	<0.50	<0.50	<0.50	<0.50	12	1.4	<10	2.4	<2	<2
MW-14	04/29/15	<100	---	120	---	---	<0.50	<0.50	<0.50	<1	5.4	<2	<10	<2	<2	<2
MW-14	10/23/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	7.5	<2	<10	<2	<2	<2
MW-14	10/04/16	<100	---	<100	---	---	1.3	<0.50	<0.50	<1	6.3	<1	<10	<2	<2	<2
MW-14	04/19/17	<100	---	160	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-15	11/26/96	---	---	---	---	---	1.4	0.66	1	0.62	<0.50	27	---	---	---	---
MW-15	07/14/97	1000	---	3500	---	---	1.5	1.1	<0.50	<1	<0.50	<5	---	---	---	---
MW-15	01/07/98	<500	---	1500	---	---	0.62	0.73	<0.50	<1.5	<0.50	<5	---	---	---	---
MW-15	05/22/98	<300	---	---	---	---	<0.50	<0.50	<0.50	0.7	<1	<0.50	---	---	---	---
MW-15	11/13/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	05/07/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
MW-15	11/17/99	<300	910	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	05/16/00	340	1200	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	11/30/00	2100	1700	---	---	---	<0.50	0.8	<0.50	1.1	<0.50	<0.50	---	---	---	---
MW-15	05/09/01	<300	690	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	11/06/01	<300	740	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.6	---	---	---	---
MW-15	04/10/02	59000	21000	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	07/30/02	780	550000	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-15	12/08/06	420	6400	---	---	---	<0.50	<0.50	<0.50	1	<0.50	0.6	---	---	---	---
MW-15	05/04/07	<500	6100	---	---	---	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
MW-15	10/05/10	1100	<47000	---	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	04/14/11	1900	220000	---	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	10/12/11	590	66000	---	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	04/27/12	1100	---	40000	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	10/19/12	940	---	34000	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	04/12/13	890	---	240000	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	10/11/13	2000	---	140000	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-15	10/31/14	590	---	8300	---	---	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
MW-15R	04/19/17	<100	---	210	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	15	<1	<1	<1
MW-15R	10/05/17	<50	---	79	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	<10	<1	<1	<1
MW-15R	04/19/18	66	---	60	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.76	<10	<1	<1	<1
MW-15R	11/08/18	53	---	52	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-15R	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-15R	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-15R	05/11/20	78	---	180	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-15R	11/05/20	130	---	220	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-15R	05/05/21	<50	---	53	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-16	11/27/96	50	---	<500	<500	---	<0.50	<0.50	<0.50	1.5	140	71	---	---	---	---
MW-16	07/10/97	<50	---	<50	<50	---	<5	<5	<5	<5	<5	<5	---	---	---	---
MW-16	01/06/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
MW-16	05/21/98	<300	---	---	---	---	<0.50	0.7	<0.50	0.6	<0.50	<0.50	---	---	---	---
MW-16	11/05/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	05/27/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	11/18/99	<300	<100	---	---	---	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	05/09/01	<300	3100	---	---	---	2.6	<0.50	<0.50	0.6	<0.50	<0.50	---	---	---	---
MW-16	11/07/01	<300	2100	---	---	---	1.2	<0.50	<0.50	<0.50	<0.50	31	---	---	---	---
MW-16	02/01/02	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	220	---	---	---	---
MW-16	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	260	---	---	---	---
MW-16	10/23/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	14	---	---	---	---
MW-16	01/29/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	6.8	---	---	---	---
MW-16	04/09/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	16.2	---	---	---	---
MW-16	08/01/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	110	---	---	---	---
MW-16	10/11/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	100	---	---	---	---
MW-16	01/28/04	51	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	89	---	---	---	---
MW-16	04/21/04	---	180	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	83	110	<2	<2	<2
MW-16	07/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	22	---	---	---	---
MW-16	11/04/04	---	300	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	120	<2	<2	<2
MW-16	02/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	05/06/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	08/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	11/08/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	05/04/06	---	180	---	---	---	0.87	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	09/19/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-16	12/08/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	05/03/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	11/16/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/17/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/23/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/23/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/16/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/07/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
MW-16	04/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	04/09/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-16	10/27/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-16	04/24/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-16	10/20/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-16	04/12/16	<100	---	<100	---	---	1.3	<0.50	2.5	8.1	0.51	<1	<10	<2	<2	<2
MW-16	10/07/16	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-16	04/18/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-16	10/04/17	<100	---	100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-16	04/18/18	<100	---	110	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-16	11/06/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-16	04/16/19	<100	---	240 J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-16	10/30/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-16	05/06/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-16	10/20/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10J	<2.0	<2.0	<2.0
MW-16	05/03/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-17	11/27/96	45	---	<500	<500	---	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---	---
MW-17	07/09/97	<50	---	<50	<50	---	<5	<5	<5	<5	<5	<5	---	---	---	---
MW-17	01/06/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
MW-17	05/20/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
MW-17	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-17	05/26/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-17	11/18/99	<300	<100	---	---	---	<0.50	<1	<0.50	<0.50	<0.50	0.5	---	---	---	---
MW-17	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-17	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-17	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-17	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-17	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-17	10/23/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
MW-17	04/10/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-17	10/08/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-17	04/21/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	11/03/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	05/05/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	11/05/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	05/03/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	12/05/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	05/02/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/16/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/15/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/20/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/23/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/16/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/06/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
MW-17	04/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/13/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/09/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-17	10/08/13	<100	---	110 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	04/16/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-17	10/27/14	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-17	04/24/15	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-17	10/20/15	130	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-17	04/13/16	<100	---	<100	---	---	<0.50	<0.50	0.67	2.4	<0.50	<1	<10	<2	<2	<2
MW-17	10/04/16	<100	---	<100	---	---	<0.50	<0.50	0.5	<1	<0.50	<1	<10	<2	<2	<2
MW-17	04/18/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-17	10/03/17	<100	---	110	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-17	04/17/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-17	11/06/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-17	04/16/19	<100	---	230 J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-17	10/30/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-17	05/05/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-17	10/20/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10J	<2.0	<2.0	<2.0
MW-17	05/05/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-18 (MID)	07/16/97	<100	---	<500	---	---	---	---	---	---	---	---	---	---	---	---
MW-18 (MID)	01/05/98	420	---	<500	---	---	---	---	---	---	---	---	---	---	---	---
MW-18 (MID)	10/08/03	530	240	---	---	---	1.2	<1	<1	<1	16	640	---	---	---	---
MW-18 (MID)	10/07/10	1100	<1000	---	---	---	290	<1.5	<1.5	<1.5	<3	12	150	11	<3	<3
MW-18 (MID)	04/13/11	4100	910	---	---	---	1900	<10	<10	11	<20	13	<200	21	<20	<20
MW-18 (MID)	10/12/11	1200	720	---	---	---	460	<2.5	<2.5	3.2	<5	4.6	82	9.3	<5	<5
MW-18 (MID)	04/20/12	<200	---	330	---	---	<1	<1	<1	<1	<2	2.4	21	4.2	<2	<2
MW-18 (MID)	10/18/12	96	---	170	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	49	3.6	<1	<1
MW-18 (MID)	10/31/14	<200	---	130	---	---	<1	<1	<1	<1	<2	<1	87	5.1	<2	<2
MW-18 (MID)	04/22/15	<50	---	140	---	---	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	59	3.7	<1	<1
MW-18 (MID)	10/27/15	<50	---	130	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<10	3.1	<1	<1
MW-18 (MID)	03/15/16	390	---	390	---	---	120	1.3	<0.50	0.91	<0.50	5	28	5.9	<1	<1
MW-18 (MID)	04/13/16	390	---	440	---	---	65	1.4	<0.50	2	<1	4.7	74	1.5	<1	<1
MW-18 (MID)	08/23/16	150	---	330	---	---	12	0.28	0.17	1.7	0.23	7.7	46	4.4	<1	0.2
MW-18 (MID)	10/06/16	200	---	490	---	---	6.1	<0.50	<0.50	1.5	<1	2.7	55	1.3	<1	<1
MW-18 (MID)	04/20/17	<100	---	200	---	---	<0.50	<0.50	<0.50	<0.50	<1	1.3	32	1.6	<1	<1
MW-18 (MID)	10/05/17	<50	---	120	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.94	13	1.7	<1	<1
MW-18 (MID)	04/19/18	<50	---	98	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<10	1.3	<1	<1
MW-18 (MID)	11/09/18	<50	---	130	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1	<10	<1	<1	<1
MW-18 (MID)	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<1	<1	<1
MW-18 (MID)	10/31/19	<50	---	98	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	11	<1.0	<1.0	<1.0
MW-18 (MID)	05/11/20	<50	---	150	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	18	1.2	<1.0	<1.0
MW-18 (MID)	11/06/20	<50	---	260	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	19	1.0	<1.0	<1.0
MW-18 (MID)	05/06/21	<50	---	280	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	16	<1.0	<1.0	<1.0
MW-19 (MID)	11/26/96	---	---	---	---	---	48	<0.50	17	1.76	7.7	600	---	---	---	---
MW-19 (MID)	07/16/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	9.1	810	---	---	---	---
MW-19 (MID)	01/05/98	<100	---	<500	---	---	<5	<50	<5	<15	<5	1400	---	---	---	---
MW-19 (MID)	05/27/98	500	---	---	---	---	<5	<0.50	<5	<10	14	590	---	---	---	---
MW-19 (MID)	08/26/98	514	233	---	---	---	<2.5	<2.5	<2.5	<2.5	11.1	779	---	---	---	---
MW-19 (MID)	11/17/98	491	<100	---	---	---	<5	<5	<5	<5	11	850	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-19 (MID)	02/03/99	<10000	---	<500	---	---	<10	<10	<10	<20	<20	1300	---	---	---	---
MW-19 (MID)	05/06/99	540	---	<500	---	---	42	<1	<1	<1	<2.5	1500	---	---	---	---
MW-19 (MID)	08/10/99	600	---	<1000	---	---	<0.50	<1	<1	<1	6.8	980	---	---	---	---
MW-19 (MID)	11/17/99	1100	310	---	---	---	26	<5	<5	<5	<5	1100	---	---	---	---
MW-19 (MID)	02/29/00	2000	1800	---	---	---	530	<5	<5	<5	<5	1100	---	---	---	---
MW-19 (MID)	05/17/00	5200	5100	---	---	---	1900	<25	<25	<25	<25	2600	---	---	---	---
MW-19 (MID)	08/29/00	2700	19000	---	---	---	560	<10	<10	<10	<10	3200	---	---	---	---
MW-19 (MID)	11/30/00	2100	1200	---	---	---	520	3.6	0.9	6.1	<0.50	1200	---	---	---	---
MW-19 (MID)	02/06/01	780	410	---	---	---	66	<10	<10	<10	<10	720	---	---	---	---
MW-19 (MID)	05/09/01	360	230	---	---	---	4.4	<2.5	<2.5	<2.5	6.5	490	---	---	---	---
MW-19 (MID)	09/19/01	<300	<100	---	---	---	<2.5	<2.5	<2.5	<2.5	8.2	200	---	---	---	---
MW-19 (MID)	11/06/01	<300	120	---	---	---	<1	<1	<1	<1	6.5	180	---	---	---	---
MW-19 (MID)	01/30/02	<300	150	---	---	---	<0.50	<0.50	<0.50	<0.50	5.1	33	---	---	---	---
MW-19 (MID)	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4.3	11	---	---	---	---
MW-19 (MID)	10/23/02	<300	330	---	---	---	1.1	<0.50	<0.50	<0.50	3.5	7.4	---	---	---	---
MW-19 (MID)	04/10/03	92	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.5	4.3	---	---	---	---
MW-19 (MID)	10/07/03	84	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.3	1	---	---	---	---
MW-19 (MID)	04/21/04	99	150	---	---	---	<0.50	<0.50	<0.50	<0.50	2.6	<0.50	---	---	---	---
MW-19 (MID)	11/03/04	<100	200	---	---	---	<0.50	<0.50	<0.50	<0.50	2	0.81	---	---	---	---
MW-19 (MID)	05/06/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-19 (MID)	11/03/05	68	140	---	---	---	<0.50	<0.50	<0.50	<0.50	4.2	1.2	---	---	---	---
MW-19 (MID)	05/03/06	76	110	---	---	---	<0.50	<0.50	<0.50	<0.50	13	2.2	---	---	---	---
MW-19 (MID)	12/06/06	<50	260	---	---	---	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	---	---	---	---
MW-19 (MID)	05/02/07	61	200	---	---	---	<0.50	<0.50	<0.50	<0.50	2.2	1.1	---	---	---	---
MW-19 (MID)	11/13/07	57	130	---	---	---	<0.50	<0.50	<0.50	<0.50	2.9	0.86	---	---	---	---
MW-19 (MID)	04/17/08	<50	110	---	---	---	<0.50	<0.50	<0.50	<0.50	3	1.2	---	---	---	---
MW-19 (MID)	10/17/08	<50	190	---	---	---	<0.50	<0.50	<0.50	<0.50	3.2	1.3	---	---	---	---
MW-19 (MID)	04/20/09	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	3.8	0.81	66	9.8	<1	<1
MW-19 (MID)	10/21/09	<50	140	---	---	---	<0.50	<0.50	<0.50	<0.50	5	0.79	130	16	<1	<1
MW-19 (MID)	05/26/10	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	3.1	<0.50	<10	12	<1	<1
MW-19 (MID)	10/06/10	62	140	---	---	---	<0.50	<0.50	<0.50	<0.50	3.5	0.91	130	19	<1	<1
MW-19 (MID)	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	3.2	0.81	67	14	<1	<1
MW-19 (MID)	10/11/11	<50	130	---	---	---	<0.50	<0.50	<0.50	<0.50	3.2	0.67	110	11	<1	<1
MW-19 (MID)	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	4.7	1	290	22	<1	<1
MW-19 (MID)	10/17/12	<50	---	77	---	---	<0.50	<0.50	<0.50	<0.50	5.3	1.1	360	28	<1	<1
MW-19 (MID)	04/11/13	55	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	9.2	2	330	31	<1	<1
MW-19 (MID)	10/10/13	54	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	7.4	2	350	25	<1	<1
MW-19 (MID)	04/17/14	74	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	9.1	2	440	25	<1	<1
MW-19 (MID)	10/30/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	3.5	0.74	87	9.2	<1	<1
MW-19 (MID)	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	3.7	1.1	130	13	<1	<1
MW-19 (MID)	10/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.9	<0.50	36	6.2	<1	<1
MW-19 (MID)	04/13/16	<50	---	54	---	---	<0.50	<0.50	<0.50	<0.50	4.8	1	420	23	<1	<1
MW-19 (MID)	10/05/16	54	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	3.8	0.68	220	19	<1	<1
MW-19 (MID)	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	88	11	<1	<1
MW-19 (MID)	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	22	4.2	<1	<1
MW-19 (MID)	04/18/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2	<0.50	31	5.6	<1	<1

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Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-19 (MID)	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.6	<0.50	23	4.3	<1	<1
MW-19 (MID)	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.2	<0.50	15	2.2	<1	<1
MW-19 (MID)	10/29/19	<50	---	58	---	---	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	11	1.6	<1.0	<1.0
MW-19 (MID)	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	17	2.5	<1.0	<1.0
MW-19 (MID)	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<10	1.8	<1.0	<1.0
MW-19 (MID)	05/06/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	12	2.1	<1.0	<1.0
MW-20 (MID)	11/22/96	---	---	---	---	---	<0.50	<0.50	<0.50	1.5	66	36	---	---	---	---
MW-20 (MID)	07/11/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	33	13	---	---	---	---
MW-20 (MID)	01/05/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	17	9.2	---	---	---	---
MW-20 (MID)	05/27/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	35	22	---	---	---	---
MW-20 (MID)	11/16/98	<300	<100	---	---	---	14	41	4.8	29.8	31	33	---	---	---	---
MW-20 (MID)	05/07/99	<500	---	<500	---	---	5.6	22	1.7	9.8	22	13	---	---	---	---
MW-20 (MID)	11/16/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	21	19	---	---	---	---
MW-20 (MID)	05/19/00	<300	220	---	---	---	<0.50	<0.50	<0.50	<0.50	22	11	---	---	---	---
MW-20 (MID)	11/28/00	<300	340	---	---	---	<0.50	<0.50	<0.50	<0.50	17	8.1	---	---	---	---
MW-20 (MID)	05/09/01	<300	180	---	---	---	<50	<50	<50	<50	2200	1300	---	---	---	---
MW-20 (MID)	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	23	11	---	---	---	---
MW-20 (MID)	11/07/01	<300	170	---	---	---	<0.50	<0.50	<0.50	<0.50	23	14	---	---	---	---
MW-20 (MID)	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	17	12	---	---	---	---
MW-20 (MID)	10/24/02	<300	220	---	---	---	<0.50	<0.50	<0.50	<0.50	20	20	---	---	---	---
MW-20 (MID)	04/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	17	11	---	---	---	---
MW-20 (MID)	10/08/03	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	29	19	---	---	---	---
MW-20 (MID)	04/21/04	56	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	27	18	---	---	---	---
MW-20 (MID)	11/05/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	23	15	---	---	---	---
MW-20 (MID)	05/05/05	97	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	33	57	---	---	---	---
MW-20 (MID)	11/03/05	58	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	25	46	---	---	---	---
MW-20 (MID)	05/03/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	21	32	---	---	---	---
MW-20 (MID)	12/07/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	21	25	---	---	---	---
MW-20 (MID)	05/05/07	59	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	20	25	---	---	---	---
MW-20 (MID)	11/14/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	20	23	---	---	---	---
MW-20 (MID)	04/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	15	21	---	---	---	---
MW-20 (MID)	10/17/08	<50	100	---	---	---	<0.50	<0.50	<0.50	<0.50	17	18	---	---	---	---
MW-20 (MID)	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	17	16	28	11	<1	<1
MW-20 (MID)	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	16	18	32	14	<1	<1
MW-20 (MID)	05/27/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	18	16	<10	12	<1	<1
MW-20 (MID)	10/06/10	51	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	15	19	40	13	<1	<1
MW-20 (MID)	04/12/11	51	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	17	18	<10	17	<1	<1
MW-20 (MID)	10/11/11	<50	170	---	---	---	<0.50	<0.50	<0.50	<0.50	13	17	38	11	<1	<1
MW-20 (MID)	04/19/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	15	12	26	9.9	<1	<1
MW-20 (MID)	10/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	6.8	7.6	12	6.8	<1	<1
MW-20 (MID)	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	14	9.8	<10	6.7	<1	<1
MW-20 (MID)	10/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	16	14	29	11	<1	<1
MW-20 (MID)	04/16/14	55	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	13	9.6	22	7.4	<1	<1
MW-20 (MID)	10/30/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	10	8.7	18	6.6	<1	<1
MW-20 (MID)	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	6.2	11	19	8.2	<1	<1
MW-20 (MID)	10/23/15	<50	---	91	---	---	<0.50	0.5	<0.50	0.7	0.65	4.7	<10	3.2	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-20 (MID)	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	10	8.9	25	6.3	<1	<1
MW-20 (MID)	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	13	7.1	22	7.2	<1	<1
MW-20 (MID)	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	9	8.1	21	6	<1	<1
MW-20 (MID)	10/03/17	<50	---	<100X	---	---	<0.50	<0.50	<0.50	<0.50	8.6	6.8	16	5.1	<1	<1
MW-20 (MID)	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	7.9	6.1	<10	4.9	<1	<1
MW-20 (MID)	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	4.4	4.6	<10	2.7	<1	<1
MW-20 (MID)	04/18/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	12	16	34	8	<1	<1
MW-20 (MID)	10/29/19	<50	---	52	---	---	<0.50	<0.50	<0.50	<0.50	7.6	8.9	16	4.9	<1.0	<1.0
MW-20 (MID)	05/07/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	12	15	28	8.0	<1.0	<1.0
MW-20 (MID)	11/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.5	5.5	<10	1.8	<1.0	<1.0
MW-20 (MID)	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.0	5.7	<10	1.7	<1.0	<1.0
MW-21 (MID)	05/07/99	<500	---	590	---	---	<1	<1	<1	<1	75	39	---	---	---	---
MW-21 (MID)	11/29/00	<300	4600	---	---	---	3.6	<0.50	<0.50	<0.50	16	62	---	---	---	---
MW-21 (MID)	05/09/01	<300	1900	---	---	---	<0.50	<0.50	<0.50	<0.50	9.8	50	---	---	---	---
MW-21 (MID)	11/06/01	<300	1400	---	---	---	0.5	<0.50	<0.50	<0.50	12	69	---	---	---	---
MW-21 (MID)	04/10/02	<300	1100	---	---	---	<0.50	<0.50	<0.50	<0.50	8.6	71	---	---	---	---
MW-21 (MID)	10/23/02	<300	1400	---	---	---	<0.50	<0.50	<0.50	<0.50	7.4	61	---	---	---	---
MW-21 (MID)	10/07/03	87	290	---	---	---	<0.50	<0.50	<0.50	<0.50	5.6	55	---	---	---	---
MW-21 (MID)	05/06/05	62	100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.8	25	---	---	---	---
MW-21 (MID)	05/03/06	<50	<140	---	---	---	<0.50	<0.50	<0.50	<0.50	1.5	13	---	---	---	---
MW-21 (MID)	05/02/07	<50	110	---	---	---	<0.50	<0.50	<0.50	<0.50	0.73	3.3	---	---	---	---
MW-21 (MID)	04/17/08	<50	100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.88	6.4	---	---	---	---
MW-21 (MID)	04/20/09	<100	530	---	---	---	<0.50	<0.50	<0.50	<0.50	2.3	1.9	25	2.3	<1	<1
MW-21 (MID)	05/26/10	<100	420	---	---	---	<0.50	<0.50	<0.50	<0.50	2.9	1.5	<10	3.2	<1	<1
MW-21 (MID)	04/12/11	72	350	---	---	---	<0.50	<0.50	<0.50	<0.50	3.8	2.4	32	3	<1	<1
MW-21 (MID)	04/18/12	<100	---	140	---	---	<0.50	<0.50	<0.50	<0.50	2.2	<0.50	17	<1	<1	<1
MW-21 (MID)	04/10/13	<200	---	61	---	---	<1	<1	<1	<1	2.4	<1	22	3.3	<2	<2
MW-21 (MID)	10/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.8	0.81	35	3	<1	<1
MW-21 (MID)	04/16/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	4.2	0.51	<10	<1	<1	<1
MW-21 (MID)	10/30/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	3.6	0.69	<10	<1	<1	<1
MW-21 (MID)	04/22/15	<50	---	56	---	---	<0.50	<0.50	<0.50	<0.50	3.4	0.68	<10	<1	<1	<1
MW-21 (MID)	10/23/15	57	---	120	---	---	<0.50	<0.50	<0.50	<0.50	3.4	1.1	<10	<1	<1	<1
MW-21 (MID)	04/13/16	<50	---	87	---	---	<0.50	<0.50	<0.50	<0.50	3.5	0.79	<10	<1	<1	<1
MW-21 (MID)	10/05/16	57	---	82	---	---	<0.50	<0.50	<0.50	<0.50	3.2	1.2	<10	<1	<1	<1
MW-21 (MID)	04/19/17	<100	---	120	---	---	<0.50	<0.50	<0.50	<0.50	2.2	1	12	<1	<1	<1
MW-21 (MID)	10/03/17	<50	---	67	---	---	<0.50	<0.50	<0.50	<0.50	3.1	1.4	10	<1	<1	<1
MW-21 (MID)	04/18/18	68	---	110	---	---	<0.50	<0.50	<0.50	<0.50	2.4	1.3	<10	<1	<1	<1
MW-21 (MID)	11/07/18	<50	---	90	---	---	<0.50	<0.50	<0.50	<0.50	1.4 J	0.6	<10	<1	<1	<1
MW-21 (MID)	04/18/19	<50	---	56	---	---	<0.50	<0.50	<0.50	<0.50	3	1.5	<10	<1	<1	<1
MW-21 (MID)	10/30/19	<50	---	99	---	---	<0.50	<0.50	<0.50	<0.50	1.2	0.58	<10	<1.0	<1.0	<1.0
MW-21 (MID)	05/07/20	<50	---	59	---	---	<0.50	<0.50	<0.50	<0.50	0.93	0.80	<10	<1.0	<1.0	<1.0
MW-21 (MID)	11/03/20	<50	---	90	---	---	<0.50	<0.50	<0.50	<0.50	0.54	0.68	<10	<1.0	<1.0	<1.0
MW-21 (MID)	05/05/21	<50	---	99	---	---	<0.50	<0.50	<0.50	<0.50	1.6	0.97	<10	<1.0	<1.0	<1.0
MW-22 (MID)	11/21/96	46	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	4.7	<5	---	---	---	---
MW-22 (MID)	07/10/97	<50	---	650	<400	---	<5	<5	<5	<5	15	<5	---	---	---	---
MW-22 (MID)	01/06/98	---	---	400	<100	---	<5	<5	<5	<1	<5	<5	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-22 (MID)	05/21/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	0.9	<0.50	---	---	---	---
MW-22 (MID)	08/26/98	<300	545	---	---	---	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	---	---	---	---
MW-22 (MID)	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	---	---	---	---
MW-22 (MID)	02/02/99	<500	---	<500	---	---	1.1	2.1	0.56	2.1	3.2	0.69	---	---	---	---
MW-22 (MID)	05/07/99	---	---	<500	---	---	8	3.4	1.7	7.5	<1	6.9	---	---	---	---
MW-22 (MID)	05/26/99	<300	322	---	---	---	<0.50	<0.50	<0.50	<0.50	3.7	4.7	---	---	---	---
MW-22 (MID)	08/10/99	<500	---	<1000	---	---	3.1	6.2	<1	4.9	8.9	<1	---	---	---	---
MW-22 (MID)	11/18/99	<300	260	---	---	---	<0.50	<1	<0.50	<0.50	19	0.8	---	---	---	---
MW-22 (MID)	02/29/00	<300	470	---	---	---	<0.50	<0.50	<0.50	<0.50	29	3.3	---	---	---	---
MW-22 (MID)	05/16/00	<300	380	---	---	---	<0.50	<0.50	<0.50	<0.50	16	2.4	---	---	---	---
MW-22 (MID)	08/29/00	<300	4400	---	---	---	<0.50	<0.50	<0.50	<0.50	45	14	---	---	---	---
MW-22 (MID)	11/28/00	<300	1100	---	---	---	<0.50	<0.50	<0.50	<0.50	88	13	---	---	---	---
MW-22 (MID)	11/29/00	<300	870	---	---	---	<0.50	<0.50	<0.50	<0.50	88	13	---	---	---	---
MW-22 (MID)	02/06/01	<300	460	---	---	---	<1	<1	<1	<1	120	14	---	---	---	---
MW-22 (MID)	05/09/01	<300	360	---	---	---	<0.50	<0.50	<0.50	<0.50	110	12	---	---	---	---
MW-22 (MID)	05/09/01	<300	230	---	---	---	<0.50	<0.50	<0.50	<0.50	83	11	---	---	---	---
MW-22 (MID)	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	30	4.5	---	---	---	---
MW-22 (MID)	11/07/01	<300	130	---	---	---	<0.50	<0.50	<0.50	<0.50	36	6.5	---	---	---	---
MW-22 (MID)	01/30/02	<300	430	---	---	---	<0.50	<0.50	<0.50	<0.50	30	19	---	---	---	---
MW-22 (MID)	04/12/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	22	11	---	---	---	---
MW-22 (MID)	07/30/02	<300	210	---	---	---	<0.50	<0.50	<0.50	<0.50	24	8.7	---	---	---	---
MW-22 (MID)	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	18	5.4	---	---	---	---
MW-22 (MID)	01/28/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	18	4.8	---	---	---	---
MW-22 (MID)	04/11/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	9.12	2.38	---	---	---	---
MW-22 (MID)	10/11/03	---	380	---	---	---	<0.50	<0.50	<0.50	<0.50	12	2.8	---	---	---	---
MW-22 (MID)	04/22/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	19	4.8	21	3.2	<2	<2
MW-22 (MID)	07/21/04	180	280	---	---	---	<0.50	<0.50	<0.50	<0.50	---	11	---	---	---	---
MW-22 (MID)	11/04/04	---	240	---	---	---	<0.50	<0.50	<0.50	<0.50	31	11	17	2.8	<2	<2
MW-22 (MID)	03/02/05	---	180	---	---	---	<0.50	<1	<1	<1	---	15	---	---	---	---
MW-22 (MID)	05/07/05	---	290	---	---	---	<0.50	<0.50	<0.50	<0.50	1.8	30	<10	<2	<2	<2
MW-22 (MID)	11/08/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.1	30	13	<2	<2	<2
MW-22 (MID)	05/05/06	---	500	---	---	---	<0.50	<0.50	<0.50	<0.50	6.1	14	<10	<2	<2	<2
MW-22 (MID)	12/05/06	---	130	---	---	---	<0.50	<0.50	<0.50	<0.50	5.3	16	13	<2	<2	<2
MW-22 (MID)	05/02/07	---	200	---	---	---	<0.50	<0.50	<0.50	<0.50	4.4	14	17	<2	<2	<2
MW-22 (MID)	11/14/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	10	15	19	2.1	<2	<2
MW-22 (MID)	04/17/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	8.3	11	18	<2	<2	<2
MW-22 (MID)	10/16/08	---	---	---	---	110	<0.50	<0.50	<0.50	<0.50	9.7	16	16	2.1	<2	<2
MW-22 (MID)	02/12/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	15	18	22	3.1	<2	<2
MW-22 (MID)	04/22/09	---	---	---	---	110	<0.50	<0.50	<0.50	<0.50	11	23	22	<2	<2	<2
MW-22 (MID)	07/20/09	---	---	---	---	150	<0.50	<0.50	<0.50	<0.50	11	19	34	2.9	<2	<2
MW-22 (MID)	10/23/09	---	---	---	---	130	<0.50	<0.50	<0.50	<0.50	13	16	27	<2	<2	<2
MW-22 (MID)	01/13/10	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	9.7	13	24	2.1	<2	<2
MW-22 (MID)	04/13/10	---	---	---	---	220	<0.50	<0.50	<0.50	<0.50	11	8.7	23	1.8 J	<2	<2
MW-22 (MID)	10/04/10	---	---	---	---	140	<0.50	---	---	---	10	13	<10	---	---	---
MW-22 (MID)	01/10/11	---	---	---	---	120	<0.50	<0.50	<0.50	<0.50	4.8	6.2	10	0.82 J	<2	<2
MW-22 (MID)	04/14/11	---	---	---	---	120	<0.50	<0.50	<0.50	<0.50	6.5	10	<10	0.76 J	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-22 (MID)	07/11/11	---	---	---	---	100	<0.50	<0.50	<0.50	<0.50	5.5	7.8	13	0.48 J	<2	<2
MW-22 (MID)	10/13/11	---	---	---	---	120	0.39 J	0.38 J	<0.50	<0.50	4.6	6.3	7.2 J	0.37 J	<2	<2
MW-22 (MID)	01/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	4.4	6.6	12	0.45 J	<2	<2
MW-22 (MID)	04/18/12	---	---	---	---	120	<0.50	<0.50	<0.50	<0.50	7.1	10	21	0.69 J	<2	<2
MW-22 (MID)	07/09/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	4.4	5.8	<10	0.43 J	<2	<2
MW-22 (MID)	10/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	6.4	12	<10	0.85 J	<2	<2
MW-22 (MID)	01/14/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	4.4	5.3	<10	0.42 J	<2	<2
MW-22 (MID)	04/10/13	---	---	250 b	---	---	<0.50	<0.50	<0.50	<0.50	7	11	14	1.1 J	<2	<2
MW-22 (MID)	10/07/13	<100	---	240 HD	---	---	<0.50	<0.50	<0.50	<0.50	3.7	4.6	<10	<2	<2	<2
MW-22 (MID)	04/16/14	<100	---	100 HD	---	---	<0.50	<0.50	<0.50	<0.50	5	6.8	<10	0.64 J	<2	<2
MW-22 (MID)	10/28/14	<100	---	210	---	---	<0.50	<0.50	<0.50	<1	8.8	9.1	<10	<2	<2	<2
MW-22 (MID)	04/24/15	<100	---	240	---	---	<0.50	<0.50	<0.50	<1	10	8.9	19	2.6	<2	<2
MW-22 (MID)	10/23/15	<100	---	160	---	---	<0.50	<0.50	<0.50	<1	8.7	6.5	18	2.7	<2	<2
MW-22 (MID)	04/13/16	<100	---	170	---	---	<0.50	<0.50	0.87	2.7	6.8	5	<10	<2	<2	<2
MW-22 (MID)	10/05/16	<100	---	170	---	---	1.5	<0.50	<0.50	<1	7.1	4.4	<10	<2	<2	<2
MW-22 (MID)	04/19/17	<100	---	110	---	---	<0.50	<0.50	<0.50	<1	2.9	2.1	<10	<2	<2	<2
MW-22 (MID)	10/05/17	<100	---	100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-22 (MID)	04/19/18	<100	---	340	---	---	<0.50	<0.50	<0.50	<1	4.9	4.8 J	20 J	<2	<2	<2
MW-22 (MID)	11/08/18	<100	---	110	---	---	<0.50	<0.50	<0.50	<1	1.6	2	<10	<2	<2	<2
MW-22 (MID)	04/17/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.8	<10	<2	<2	<2
MW-22 (MID)	11/05/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	2.3	6.0	11	<2.0	<2.0	<2.0
MW-22 (MID)	05/07/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	1.7	<1.2	<10	<2.0	<2.0	<2.0
MW-22 (MID)	10/22/20	<100	---	140	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	2.4	<10	<2.0	<2.0	<2.0
MW-22 (MID)	05/06/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	1.7	1.6	<10	<2.0	<2.0	<2.0
MW-23 (MID)	11/21/96	1400	---	<500	<500	---	62	<0.50	18	3.5	0.6	---	---	---	---	---
MW-23 (MID)	07/09/97	---	---	---	---	---	160	<1	21	26	---	---	---	---	---	---
MW-23 (MID)	07/09/97	140	---	970	<860	---	---	---	---	---	---	---	---	---	---	---
MW-23 (MID)	01/06/98	---	---	<100	<100	---	<0.30	---	<0.30	---	---	---	---	---	---	---
MW-23 (MID)	05/20/98	<300	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-23 (MID)	11/04/98	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-23 (MID)	05/27/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-23 (MID)	11/18/99	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-23 (MID)	05/16/00	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-23 (MID)	11/29/00	<300	2200	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
MW-23 (MID)	05/10/01	<300	1600	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
MW-23 (MID)	11/07/01	<300	600	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
MW-23 (MID)	04/10/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
MW-23 (MID)	10/23/02	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
MW-23 (MID)	04/10/03	---	<100	---	---	---	<1	<1	<1	<2	<3	<3	---	---	---	---
MW-23 (MID)	10/08/03	---	160	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
MW-23 (MID)	04/22/04	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
MW-23 (MID)	11/04/04	---	<100	---	---	---	<0.30	<0.30	<0.30	<0.30	---	<5	---	---	---	---
MW-23 (MID)	05/10/05	---	650	---	---	---	0.4	0.79	0.41	<0.30	---	<5	---	---	---	---
MW-23 (MID)	05/03/06	---	6000	---	---	---	<0.30	<0.30	<0.30	0.32	---	<5	---	---	---	---
MW-23 (MID)	12/06/06	---	240	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
MW-23 (MID)	05/02/07	---	340	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-23 (MID)	11/14/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
MW-23 (MID)	04/16/08	---	120	---	---	---	<0.50	<0.50	<0.50	<1	---	<5	---	---	---	---
MW-23 (MID)	10/15/08	---	---	---	---	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-23 (MID)	04/21/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---
MW-23 (MID)	10/23/09	---	---	---	---	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-23 (MID)	04/13/10	---	---	---	---	1000	<0.50	<0.50	<0.50	<0.50	---	<0.50	4.8 J	<2	<2	<2
MW-23 (MID)	10/04/10	---	---	---	---	1400	<0.50	---	---	---	<0.50	0.73	<10	---	---	---
MW-23 (MID)	04/14/11	---	---	---	---	1800	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	<10	<2	<2	<2
MW-23 (MID)	10/13/11	---	---	---	---	1900	<0.50	<0.50	<0.50	<0.50	<0.50	10	14	<2	<2	<2
MW-23 (MID)	04/19/12	---	---	---	---	1400	<0.50	<0.50	<0.50	0.32 J	<0.50	9.9	19	<2	<2	<2
MW-23 (MID)	10/19/12	---	---	---	---	3600	<0.50	<0.50	0.25 J	0.43	<0.50	4.3	<10	<2	<2	<2
MW-23 (MID)	04/11/13	---	---	4800	---	---	<0.50	<0.50	<0.50	0.85 J	<0.50	2.9	13	<2	<2	<2
MW-24	11/21/96	92	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	---	---	---	---	---
MW-24	07/09/97	100	---	1400	<1000	---	11	<5	<5	<5	<5	<5	---	---	---	---
MW-24	01/06/98	700	---	<100	<100	---	93	<0.50	4	<1	<0.50	<0.50	---	---	---	---
MW-24	05/20/98	<300	---	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
MW-24	11/04/98	<300	129	---	---	---	11	2.7	2.1	18	<0.50	<0.50	---	---	---	---
MW-24	05/26/99	<300	142	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-24	11/18/99	<300	<100	---	---	---	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-24	05/16/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-24	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-24	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-24	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-24	04/10/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-24	10/23/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
MW-24	04/11/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-24	10/08/03	---	140	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-24	04/22/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	11/04/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	05/07/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	11/08/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	05/03/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	12/06/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	05/03/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	11/14/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/17/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	10/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/21/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	10/23/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/13/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	10/04/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	0.51	<10	---	---	---
MW-24	04/13/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	10/13/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-24	04/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	6.3 J	<2	<2	<2
MW-24	10/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<10	<2	<2	<2
MW-24	04/09/13	---	---	150 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.87	<10	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-24	10/08/13	<100	---	230 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1	<10	<2	<2	<2
MW-24	04/16/14	<100	---	110 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.87	<10	<2	<2	<2
MW-24	10/28/14	<100	---	240	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-24	04/24/15	<100	---	200	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-24	10/22/15	<100	---	100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-24	04/13/16	<100	---	<100	---	---	<0.50	<0.50	1.2	3.9	<0.50	<1	<10	<2	<2	<2
MW-24	04/18/17	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-24	10/02/17	<100	---	210	---	---	1	<0.50	4.7	1.7	<0.50	<1	<10	<2	<2	<2
MW-24	10/25/17	---	---	410	---	---	<0.50	<0.50	<0.50	<1	<0.50	1	<10	<2	<2	<2
MW-24	04/19/18	<100	---	150	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.2	<10	<2	<2	<2
MW-24	11/08/18	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-24	04/17/19	<100	---	520 J	---	---	<0.50	<0.50	<0.50	<1	<0.50	2	<10	<2	<2	<2
MW-24	11/05/19	<100	---	1300	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-24	05/11/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-24	05/04/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-25	11/21/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	17	<5	---	---	---	---
MW-25	07/09/97	<50	---	660	<400	---	<5	<5	<5	<5	17	<5	---	---	---	---
MW-25	01/06/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	15	<0.50	---	---	---	---
MW-25	05/21/98	<300	---	---	---	---	<0.30	<0.50	<0.50	<1	8.6	<0.50	---	---	---	---
MW-25	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	11	<0.50	---	---	---	---
MW-25	05/06/99	<500	---	<500	---	---	1.9	1.2	0.68	3.3	14	1.3	---	---	---	---
MW-25	05/26/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	10	<0.50	---	---	---	---
MW-25	11/18/99	<300	<100	---	---	---	<0.50	<1	<0.50	<0.50	27	0.7	---	---	---	---
MW-25	05/16/00	<300	320	---	---	---	<0.50	<0.50	<0.50	<0.50	50	4.7	---	---	---	---
MW-25	11/28/00	<300	320	---	---	---	<0.50	<0.50	<0.50	<0.50	62	11	---	---	---	---
MW-25	11/29/00	<300	<100	---	---	---	<0.50	0.6	<0.50	0.8	73	14	---	---	---	---
MW-25	05/09/01	<300	240	---	---	---	<0.50	<0.50	<0.50	<0.50	45	7.1	---	---	---	---
MW-25	05/09/01	<300	150	---	---	---	<0.50	<0.50	<0.50	<0.50	36	6.2	---	---	---	---
MW-25	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	39	9.3	---	---	---	---
MW-25	04/12/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	23	9.4	---	---	---	---
MW-25	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	15	5.1	---	---	---	---
MW-25	04/11/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	30.6	8.61	---	---	---	---
MW-25	10/11/03	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	13	3.4	---	---	---	---
MW-25	04/22/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	13	3.5	<10	2.4	<2	<2
MW-25	11/04/04	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	17	3.4	<10	2.9	<2	<2
MW-25	05/07/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.8	5	<10	<2	<2	<2
MW-25	11/08/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.95	1.9	<10	<2	<2	<2
MW-25	05/05/06	---	390	---	---	---	<0.50	<0.50	<0.50	<0.50	4.3	10	<10	<2	<2	<2
MW-25	12/05/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	3	3.5	<10	<2	<2	<2
MW-25	05/03/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.8	2.3	<10	<2	<2	<2
MW-25	11/14/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.6	1.3	<10	<2	<2	<2
MW-25	04/17/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4.5	4.3	<10	<2	<2	<2
MW-25	10/16/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	8.9	6.1	<10	2.3	<2	<2
MW-25	04/22/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	8.3	2.9	<10	<2	<2	<2
MW-25	10/23/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	4.1	0.83	<10	<2	<2	<2
MW-25	04/13/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	10	2.7	<10	2.5	<2	<2

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Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-25	10/04/10	---	---	---	---	<100	<0.50	---	---	---	2	0.35 J	<10	---	---	---
MW-25	04/12/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	7.1	1.4	<10	0.71 J	<2	<2
MW-25	10/13/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.4	0.31 J	<10	<2	<2	<2
MW-25	04/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<10	<2	<2	<2
MW-25	10/16/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	3.4	0.67	<10	<2	<2	<2
MW-25	04/09/13	---	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	3.6	0.49 J	<10	<2	<2	<2
MW-25	11/07/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	1.4	<1.2	<10	<2.0	<2.0	<2.0
MW-26	11/21/96	6700	---	<500	<500	---	460	400	200	340	0.7	---	---	---	---	---
MW-26	07/10/97	<50	---	270	<200	---	<5	<5	<5	<5	<5	340	---	---	---	---
MW-26	01/06/98	<500	---	<100	<100	---	<2.5	<2.5	<2.5	<5	<2.5	407	---	---	---	---
MW-26	05/21/98	<300	---	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
MW-26	11/04/98	<300	<100	---	---	---	<0.50	1.3	<0.50	1.1	<0.50	146	---	---	---	---
MW-26	05/26/99	8260	8790	---	---	---	3000	170	400	1000	<0.50	380	---	---	---	---
MW-26	11/18/99	<300	<100	---	---	---	<0.50	<1	<0.50	<0.50	<0.50	3.4	---	---	---	---
MW-26	05/16/00	8400	7000	---	---	---	2300	<5	410	1480	<5	76	---	---	---	---
MW-26	11/29/00	1800	1000	---	---	---	440	15	69	240	<10	69	---	---	---	---
MW-26	05/10/01	<300	<100	---	---	---	2.1	<0.50	<0.50	<0.50	<0.50	1.9	---	---	---	---
MW-26	11/07/01	1700	3700	---	---	---	370	79	37	171	<0.50	35	---	---	---	---
MW-26	04/11/02	4000	5300	---	---	---	1200	<5	230	528	<5	65	---	---	---	---
MW-26	10/24/02	2100	5800	---	---	---	970	<5	<5	262	<2.5	74	---	---	---	---
MW-26	04/11/03	---	1390	---	---	---	858	<0.50	243	78.6	<0.50	108	---	---	---	---
MW-26	10/11/03	---	900	---	---	---	4.6	<0.50	5.7	0.54	<0.50	29	---	---	---	---
MW-26	04/22/04	---	570	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	140	18	<2	<2	<2
MW-26	11/04/04	---	260	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	110	23	<2	<2	<2
MW-26	05/07/05	---	170	---	---	---	<0.50	<0.50	3.1	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	11/08/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	05/05/06	---	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	12/06/06	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<10	<2	<2	<2
MW-26	05/03/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2	<10	<2	<2	<2
MW-26	11/14/07	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	<10	<2	<2	<2
MW-26	04/17/08	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.99	<10	<2	<2	<2
MW-26	10/16/08	---	---	---	---	150	<0.50	<0.50	<0.50	<0.50	<0.50	5	<10	<2	<2	<2
MW-26	04/22/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	10/23/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	2	<10	<2	<2	<2
MW-26	04/13/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.66	<10	<2	<2	<2
MW-26	10/04/10	---	---	---	---	<100	1.6	---	---	---	<0.50	0.68	<10	---	---	---
MW-26	04/13/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	<10	<2	<2	<2
MW-26	10/13/11	---	---	---	---	<100	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-26	04/17/12	---	---	---	---	770	1.1	<0.50	0.32 J	0.57 J	<0.50	3.7	9.7 J	<2	<2	<2
MW-26	10/16/12	---	---	---	---	1400	3.9	0.5	2.2	0.69	<0.50	1.4	5.6 J	<2	<2	<2
MW-26	04/09/13	---	---	990 b	---	---	2	0.36 J	1.5	0.36 J	<0.50	0.74	<10	<2	<2	<2
MW-26	10/08/13	610	---	730 HD	---	---	9.9	0.33 J	0.95	0.74	<0.50	0.97	5.9 J	<2	<2	<2
MW-26	04/16/14	1200 HD	---	990 HD	---	---	1.7	0.47 J	1.1	0.84	<0.50	<0.50	14	<2	<2	<2
MW-26	10/30/14	1400	---	670	---	---	<0.50	<0.50	0.54	<1	<0.50	<2	<10	<2	<2	<2
MW-26	04/29/15	430	---	500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-26	10/23/15	280	---	230	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-26	04/13/16	200	---	200	---	---	0.8	<0.50	1.6	4.9	<0.50	<1	<10	<2	<2	<2
MW-26	10/05/16	170	---	270	---	---	2.2	<0.50	<0.50	<1	<0.50	1	<10	<2	<2	<2
MW-26	04/19/17	<100	---	100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-26	10/04/17	210	---	370	---	---	1	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-26	04/19/18	130	---	340	---	---	2.3	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-26	11/08/18	<100	---	240	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-26	04/17/19	<100	---	330	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-26	11/05/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-26	05/04/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-26	10/19/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-26	05/04/21	<100	---	120	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-27	11/22/96	<50	---	<500	<500	---	180	12	25	50	<0.50	---	---	---	---	---
MW-27	07/10/97	420	---	400	<400	---	1400	28	53	253	<5	79	---	---	---	---
MW-27	01/06/98	1500	---	<100	100	---	940	<5	70	20	20	90	---	---	---	---
MW-27	05/21/98	<300	---	---	---	---	<0.30	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
MW-27	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-27	05/26/99	<300	<100	---	---	---	<0.50	<0.50	0.71	1.33	<0.50	1.1	---	---	---	---
MW-27	11/18/99	7200	6400	---	---	---	1700	8.6	100	1110	<0.50	170	---	---	---	---
MW-27	05/16/00	<300	<100	---	---	---	1.7	<0.50	<0.50	<0.50	<0.50	5	---	---	---	---
MW-27	11/29/00	<300	<100	---	---	---	0.9	0.7	0.7	1	0.6	17	---	---	---	---
MW-27	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-27	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MW-27	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	---	---	---	---
MW-27	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	9.7	---	---	---	---
MW-27	04/11/03	---	<100	---	---	---	<0.50	<0.50	2.76	<0.50	<0.50	16.7	---	---	---	---
MW-27	10/11/03	---	150	---	---	---	6.2	<0.50	0.79	<0.50	<0.50	8.9	---	---	---	---
MW-27	04/22/04	---	1600	---	---	---	130	<0.50	16	<0.50	<0.50	65	20	<2	<2	<2
MW-27	11/06/04	---	540	---	---	---	1.6	<0.50	17	<0.50	<0.50	65	21	<2	<2	<2
MW-27	05/07/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	11/08/05	---	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	<10	<2	<2	<2
MW-27	05/05/06	---	280	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2	<10	<2	<2	<2
MW-27	12/06/06	---	180	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	<10	<2	<2	<2
MW-27	05/03/07	---	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<2	<2	<2
MW-27	11/14/07	---	<100	---	---	---	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	04/18/08	---	<100	---	---	---	2.9	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/17/08	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	04/22/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/26/09	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	<10	<2	<2	<2
MW-27	04/13/10	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7.5 J	<2	<2	<2
MW-27	10/04/10	---	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
MW-27	04/12/11	---	---	---	---	430	<0.50	<0.50	0.35 J	3.2	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/13/11	---	---	---	---	180	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	04/17/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
MW-27	10/16/12	---	---	---	---	170	<0.50	<0.50	<0.50	<0.50	<0.50	5	12	<2	<2	<2
MW-27	04/09/13	---	---	310 b	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.8	23	<2	<2	<2
MW-27	10/08/13	<100	---	130 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	5.7 J	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-27	10/29/14	<100	---	140	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-27	04/22/15	<100	---	160	---	---	<0.50	<0.50	<0.50	<1	<0.50	3.4	<10	<2	<2	<2
MW-27	10/23/15	<100	---	130	---	---	<0.50	<0.50	<0.50	<1	<0.50	3.7	<10	<2	<2	<2
MW-27	04/13/16	<100	---	160	---	---	1.2	<0.50	1.7	5.5	<0.50	3.3	<10	<2	<2	<2
MW-27	10/05/16	<100	---	220	---	---	<0.50	<0.50	<0.50	<1	<0.50	3.1	<10	<2	<2	<2
MW-27	04/19/17	<100	---	130	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-27	10/04/17	<100	---	260	---	---	<0.50	<0.50	<0.50	<1	<0.50	3.1	<10	<2	<2	<2
MW-27	04/19/18	<100	---	350	---	---	<0.50	<0.50	<0.50	<1	<0.50	3.1	14	<2	<2	<2
MW-27	11/08/18	<100	---	150	---	---	<0.50	<0.50	<0.50	<1	<0.50	2.5	<10	<2	<2	<2
MW-27	04/17/19	<100	---	300	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-27	11/05/19	<100	---	130	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	1.4	<10	<2.0	<2.0	<2.0
MW-27	05/07/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	1.3	<10	<2.0	<2.0	<2.0
MW-27	10/22/20	<100	---	250	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	1.7	26	<2.0	<2.0	<2.0
MW-27	05/07/21	<100	---	260	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-28	11/27/96	1500	---	<500	<500	---	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---	---
MW-28	07/10/97	220	---	2200	<1900	---	<5	<5	<5	<5	<5	<5	---	---	---	---
MW-28	01/07/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
MW-28	05/21/98	<300	---	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-28	11/05/98	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-28	05/26/99	<300	<100	---	---	---	0.33	<0.30	<0.30	0.7	---	---	---	---	---	---
MW-28	11/18/99	<300	330	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-28	05/17/00	<300	250	---	---	---	<0.30	<0.30	<0.30	<0.60	---	---	---	---	---	---
MW-28	12/01/00	<300	470	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
MW-28	05/10/01	<300	3000	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
MW-28	11/08/01	300	160	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
MW-28	04/12/02	<300	170	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
MW-28	04/22/15	<100	---	420	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-28	04/20/17	<100	---	170	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-29	05/21/98	84700	---	---	---	---	313	45.7	314	366	---	---	---	---	---	---
MW-29	11/05/98	28600	19600	---	---	---	87	<0.30	2.2	31	---	---	---	---	---	---
MW-29	05/27/99	1810	2540	---	---	---	150	<0.60	160	23	---	---	---	---	---	---
MW-29	11/18/99	5100	17000	---	---	---	220	<0.30	190	21	---	---	---	---	---	---
MW-29	05/17/00	1100	3400	---	---	---	23	<0.30	35	7.6	---	---	---	---	---	---
MW-29	11/30/00	2400	14000	---	---	---	120	<0.30	160	4.4	---	<5	---	---	---	---
MW-29	05/09/01	<300	<100	---	---	---	<0.30	<0.30	<0.30	<0.60	---	<5	---	---	---	---
MW-29	11/07/01	1500	1500	---	---	---	14	<0.30	3.7	2.1	---	8.3	---	---	---	---
MW-29	02/01/02	---	---	---	---	---	100	7.3	160	990	<0.50	<0.50	---	---	---	---
MW-29	04/11/02	860	5600	---	---	---	4.1	<0.30	4.3	12	---	<5	---	---	---	---
MW-29	04/12/13	---	---	2200	---	---	<0.50	<0.50	0.64	1.19 J	<0.50	<0.50	<10	<2	<2	<2
MW-29	10/08/13	570	---	2900 HD	---	---	0.21 J	<0.50	0.75	1.4	<0.50	<0.50	8.7 J	<2	<2	<2
MW-29	04/17/14	710 HD	---	3300 HD	---	---	11	<0.50	0.75	1.46	<0.50	<0.50	9.4 J	<2	<2	<2
MW-29	10/31/14	700	---	3200	---	---	6.4	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-29	04/29/15	370	---	2900	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	11	<2	<2	<2
MW-29	10/26/15	120	---	490	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
MW-29	04/14/16	<100	---	350	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-29	10/07/16	<100	---	250	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-29	04/20/17	<100	---	380	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-29	10/04/17	<100	---	630	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-29	04/18/18	<100	---	170	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-29	11/06/18	<100	---	250	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-29	04/19/19	<100	---	140	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
MW-29	10/31/19	<100	---	250	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-29	05/07/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-29	10/20/20	<100J	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10J	<2.0	<2.0	<2.0
MW-29	05/04/21	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
MW-O-1	10/08/10	32000	<30000	---	---	---	3700	1700	1100	1800	<50	60	<500	<50	<50	<50
MW-O-1	04/13/11	14000	40000	---	---	---	1900	370	400	2400	<20	13	<200	<20	<20	<20
MW-O-1	10/14/11	15000	22000	---	---	---	580	240	580	1800	<20	<10	<200	<20	<20	26
MW-O-1	10/19/12	4500	---	8800	---	---	570	160	94	540	<4	17	59	<4	<4	<4
MW-O-1	10/27/15	26000	---	20000	---	---	5900	3100	110	810	<100	280	<1000	<100	<100	<100
MW-O-1	08/20/20	<50	---	2600	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.4	<10	<1.0	<1.0	<1.0
MW-O-1	02/25/21	<50	---	2600	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	8.8 J	130 J	<1.0	<1.0	<1.0
MW-O-2	10/05/10	570	<540	---	---	---	87	5.6	7.2	33	<1	81	33	3.3	<1	<1
MW-O-2	04/27/12	21000	---	13000	---	---	7900	120	200	570	<100	160	<1000	<100	<100	<100
MW-O-2	06/06/13	10000	---	7000	---	---	5400	<40	91	200	<80	190	<800	<80	<80	<80
MW-O-2	10/11/13	43000	---	4800	---	---	17000	710	530	1500	<130	710	<1300	<130	<130	<130
MW-O-2	04/17/14	37000	---	1200	---	---	16000	1600	220	1500	<100	900	2100	<100	<100	<100
MW-O-2	08/23/16	73000	---	81000	---	---	3400	510	410	9700	0.46	410	680	30	<80	16
MW-O-2	10/06/17	23000	---	11000	---	---	9400	<50	99	820	<100	210	1500	130	<100	<100
MW-O-2	11/09/18	<5000	---	2600	---	---	2100	<25	<25	<25	<50	73	910	81	<50	<50
MW-O-2	04/18/19	2000	---	11000	---	---	980	<5	<5	<5	<10	55	490	<10	<10	<10
MW-O-2	05/07/20	9200	---	8300	---	---	5,500	<15	60	<15	<30	49	970	<30	<30	<30
MW-O-2	08/20/20	8100	---	15000	---	---	4400	<20	44	<20	<40	31	530	<40	<40	<40
MW-O-2	11/09/20	10000	---	13000	---	---	6200	<20	31	<20	<40	95	1100	<40	<40	<40
MW-O-2	02/24/21	5300	---	7800	---	---	1,900	<10	10	<10	<20	18	290	<20	<20	<20
MW-O-2	05/05/21	12000	---	4500	---	---	4,100	<20	44	<20	<40	32	<400	<40	<40	<40
MW-O-2	08/31/21	520	---	2000	---	---	86	2.0	5.4	1.5	<1.0	11	300	17	<1.0	<1.0
MW-SF-1	03/11/03	1700	1500	---	---	---	1400	16	76	54	<1	620	---	---	---	---
MW-SF-1	08/01/03	13000	18000	---	---	---	4200	240	420	1020	<30	910	---	---	---	---
MW-SF-1	10/07/03	15000	7300	---	---	---	4800	170	390	1060	<40	800	---	---	---	---
MW-SF-1	04/22/04	27000	11000	---	---	---	11000	510	480	970	<100	3800	---	---	---	---
MW-SF-1	11/03/04	34000	12000	---	---	---	13000	400	690	1170	<100	2600	---	---	---	---
MW-SF-1	05/06/05	12000	8800	---	---	---	3900	220	240	340	<30	670	---	---	---	---
MW-SF-1	11/02/05	15000	9200	---	---	---	5600	340	330	1050	<50	570	---	---	---	---
MW-SF-1	05/09/06	20000	9000	---	---	---	8200	730	570	1050	<100	1300	---	---	---	---
MW-SF-1	12/08/06	19000	20000	---	---	---	7000	640	590	960	<100	650	---	---	---	---
MW-SF-1	03/13/07	10000	2700	---	---	---	3400	320	390	790	<50	160	---	---	---	---
MW-SF-1	05/04/07	11000	4600	---	---	---	3400	110	430	229	<50	340	---	---	---	---
MW-SF-1	08/30/07	16000	9000	---	---	---	6000	210	550	290	<100	430	---	---	---	---
MW-SF-1	11/14/07	16000	6300	---	---	---	6100	180	540	213	<50	400	---	---	---	---
MW-SF-1	02/21/08	23000	5600	---	---	---	11000	280	530	500	<100	1100	---	---	---	---
MW-SF-1	04/16/08	21000	11000	---	---	---	11000	350	440	550	<200	740	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-j ₄	TPH-j ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-SF-1	08/14/08	18000	27000	---	---	---	8200	240	390	253	<100	490	---	---	---	---
MW-SF-1	10/16/08	21000	12000	---	---	---	10000	280	490	477	<100	770	---	---	---	---
MW-SF-1	02/24/09	11000	10000	---	---	---	6300	85	160	65	<50	420	<500	---	---	---
MW-SF-1	04/20/09	16000	11000	---	---	---	7500	210	340	261	<100	340	<1000	<100	<100	<100
MW-SF-1	07/22/09	12000	34000	---	---	---	6300	110	180	89	<50	510	540	<50	<50	<50
MW-SF-1	10/23/09	21000	12000	---	---	---	11000	110	350	63	<100	620	<1000	<100	<100	<100
MW-SF-1	03/16/10	13000	12000	---	---	---	5900	56	120	55	<50	650	<500	<50	<50	<50
MW-SF-1	05/27/10	8800	3500	---	---	---	3900	46	150	51	<40	140	<400	<40	<40	<40
MW-SF-1	07/13/10	8600	11000	---	---	---	4000	41	64	<25	<50	350	<500	<50	<50	<50
MW-SF-1	10/07/10	10000	<5000	---	---	---	5200	58	67	<50	<100	440	<1000	<100	<100	<100
MW-SF-1	01/12/11	15000	15000	---	---	---	8500	<50	<50	<50	<100	650	<1000	<100	<100	<100
MW-SF-1	04/13/11	16000	9400	---	---	---	7800	62	97	93	<100	450	<1000	<100	<100	<100
MW-SF-1	07/12/11	8400	12000	---	---	---	4700	34	76	<38	<50	240	<500	<50	<50	<50
MW-SF-1	10/12/11	9500	9800	---	---	---	4500	32	71	37	<50	180	<500	<50	<50	<50
MW-SF-1	01/10/12	15000	13000	---	---	---	7300	94	140	140	<100	240	<1000	<100	<100	<100
MW-SF-1	04/19/12	8800	---	17000	---	---	4600	33	90	83	<50	110	<500	<50	<50	<50
MW-SF-1	10/18/12	3700	---	6400	---	---	1500	<10	15	<10	<20	45	<200	<20	<20	<20
MW-SF-1	01/15/13	8500	---	4100	---	---	4500	93	56	39	<50	110	<500	<50	<50	<50
MW-SF-1	06/30/16	260	---	760	---	---	0.69	<0.50	0.5	0.98	<1	1.6	19	<1	<1	<1
MW-SF-1	08/23/16	<100	---	920	---	---	0.89	0.31	0.32	1.6	0.02	0.76	9.9	0.21	<2	0.39
MW-SF-1	10/07/16	55	---	1200	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<10	<1	<1	<1
MW-SF-1	04/20/17	<100	---	1800	---	---	2.1	<0.50	<0.50	<0.50	<1	0.92	17	<1	<1	<1
MW-SF-1	10/06/17	<100	---	570	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
MW-SF-1	04/19/18	61	---	310	---	---	<0.50	<0.50	<0.50	2.4	<0.50	<0.50	<10	<1	<1	<1
MW-SF-1	11/09/18	<50	---	270	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-SF-1	04/19/19	<100	---	450	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
MW-SF-1	10/31/19	<200	---	580	---	---	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<20	<2.0	<2.0	<2.0
MW-SF-1	05/12/20	<200	---	280	---	---	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<20	<2.0	<2.0	<2.0
MW-SF-1	11/06/20	<100	---	580	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<1.0	<1.0	<1.0
MW-SF-1	05/06/21	<100	---	500	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	2.3	<1.0	<1.0
MW-SF-2	10/05/10	110000	<180000	---	---	---	21000	18000	1200	7100	<200	1700	<2000	<200	<200	<200
MW-SF-2	04/14/11	48000	26000	---	---	---	15000	1800	600	5400	<200	930	<2000	<200	<200	<200
MW-SF-2	10/13/11	72000	18000	---	---	---	18000	9600	660	5100	<200	940	<2000	<200	<200	<200
MW-SF-3	10/04/10	<500	<3700	---	---	---	32	10	<2.5	8.4	<5	50	3000	<5	<5	<5
MW-SF-3	04/29/11	15000	52000	---	---	---	5200	590	140	520	<50	2300	1200	<50	<50	<50
MW-SF-3	10/14/11	9500	3400	---	---	---	4300	<25	28	38	<50	98	<500	<50	<50	<50
MW-SF-3	11/03/15	280000	---	240000	---	---	11000	18000	1200	28000	<200	7600	<2000	<200	<200	<200
MW-SF-4	03/11/03	3600	2500	---	---	---	1100	<13	180	120	<13	750	---	---	---	---
MW-SF-4	10/08/03	40000	86000	---	---	---	4600	1900	990	5200	<40	530	---	---	---	---
MW-SF-4	02/21/08	25000	9900	---	---	---	4100	89	1200	2730	<40	330	---	---	---	---
MW-SF-4	04/16/08	21000	11000	---	---	---	4600	94	970	2920	<100	380	---	---	---	---
MW-SF-4	08/14/08	20000	54000	---	---	---	4200	43	1100	770	<50	260	---	---	---	---
MW-SF-4	10/16/08	17000	12000	---	---	---	3700	42	1100	1196	<40	170	---	---	---	---
MW-SF-4	02/23/09	20000	32000	---	---	---	6400	92	1000	1420	<50	950	<500	---	---	---
MW-SF-4	05/28/10	17000	8800	---	---	---	7200	39	370	250	<50	440	<500	120	<50	<50
MW-SF-4	07/14/10	13000	9500	---	---	---	4400	37	450	360	<50	320	<500	64	<50	<50

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Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-SF-4	10/07/10	30000	<31000	---	---	---	8900	<50	940	770	<100	620	<1000	<100	<100	<100
MW-SF-4	01/12/11	20000	18000	---	---	---	8500	<50	350	280	<100	350	<1000	100	<100	<100
MW-SF-4	04/13/11	11000	28000	---	---	---	2600	<15	320	297	<30	180	<300	<30	<30	<30
MW-SF-4	07/12/11	15000	10000	---	---	---	4500	36	530	540	<50	220	<500	<50	<50	<50
MW-SF-4	01/10/12	22000	54000	---	---	---	4900	<25	590	770	<50	160	<500	<50	<50	<50
MW-SF-4	04/20/12	19000	---	7200	---	---	4500	36	480	430	<50	460	<500	<50	<50	<50
MW-SF-4	10/19/12	8900	---	9900	---	---	2200	40	280	420	<20	160	410	<20	<20	<20
MW-SF-4	01/15/13	13000	---	3700	---	---	5000	46	660	300	<80	380	<800	<80	<80	<80
MW-SF-4	06/30/16	540	---	20000	---	---	2.3	<0.50	0.75	20	<0.50	<0.50	<10	<1	<1	<1
MW-SF-4	08/23/16	<100	---	5000	---	---	0.57	0.13	0.27	2.2	<1	0.28	6.5	0.08	0.41	<2
MW-SF-4	10/07/16	<500	---	4700	---	---	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<50	<5	<5	<5
MW-SF-4	04/20/17	<100	---	1400 J	---	---	3.4	<0.50	0.53	1.2	<1	1.2	<10	5.6	<1	<1
MW-SF-4	10/06/17	<200	---	3300	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-SF-4	04/20/18	<50	---	1300	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-SF-4	04/19/19	<50	---	1800	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-SF-4	10/31/19	<50	---	640	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-SF-4	05/12/20	<50	---	260	---	---	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-SF-4	11/06/20	<50	---	160	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	33	8.9	<1.0	<1.0
MW-SF-4	05/06/21	<50	---	230	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	11	<1.0	<1.0
MW-SF-5	10/08/10	540	<2700	---	---	---	110	1.1	<1	<1	<2	400	180	18	<2	<2
MW-SF-5	04/13/11	570	2900	---	---	---	41	<2	<2	<2	<4	380	270	24	<4	<4
MW-SF-5	10/13/11	<500	2900	---	---	---	6.9	<2.5	<2.5	<2.5	<5	240	100	11	<5	<5
MW-SF-5	10/31/14	<200	---	1800	---	---	3.4	7	1	14	<2	17	70	<2	<2	<2
MW-SF-5	04/24/15	<500	---	1200	---	---	190	<2.5	<2.5	<2.5	<5	16	<50	<5	<5	<5
MW-SF-5	10/27/15	270	---	370	---	---	13	0.52	<0.50	0.89	<0.50	10	35	2	<1	<1
MW-SF-6	10/08/10	59000	9200	---	---	---	15000	7200	940	4300	<200	740	<2000	<200	<200	<200
MW-SF-6	04/14/11	32000	12000	---	---	---	12000	330	540	3800	<100	810	<1000	<100	<100	<100
MW-SF-6	10/13/11	40000	11000	---	---	---	14000	420	780	3600	<200	570	<2000	<200	<200	<200
MW-SF-6	08/23/16	13000	---	2700	---	---	2400	<10	66	1300	<20	58	510	<20	<20	<20
MW-SF-6	10/07/16	8400	---	10000	---	---	430	<5	35	640	<10	53	390	<10	<10	<10
MW-SF-6	04/20/17	2000	---	3900	---	---	42	<1	5.8	37	<2	21	130	22	<2	<2
MW-SF-6	10/06/17	1300	---	71000	---	---	98	<1	32	53	<2	3.1	32	4.2	<2	<2
MW-SF-6	04/20/18	<200	---	5200	---	---	5.5	<1	1.8	1.5	<2	3.6	110	5.6	<2	<2
MW-SF-6	11/09/18	<200	---	8200	---	---	12	<1	3.1	4.1	<2	4.2	37	5.2	<2	<2
MW-SF-6	04/19/19	200	---	6300	---	---	12	<1	6.2	6.4	<2	2.8	66	13	<2	<2
MW-SF-6	10/31/19	<200	---	13000	---	---	2.8	<1.0	1.8	1.6	<2.0	1.0	60	6.6	<2.0	<2.0
MW-SF-6	05/11/20	<200	---	3100	---	---	2.8	<1.0	<1.0	<1.0	<2.0	3.2	180	20	<2.0	<2.0
MW-SF-6	11/09/20	<200	---	110000	---	---	5.3	<1.0	<1.0	<1.0	<2.0	2.7	130	28	<2.0	<2.0
MW-SF-6	05/06/21	<200	---	61000	---	---	5.7	<1.0	1.5	1.8	<2.0	<1.0	<20	16	<2.0	<2.0
MW-SF-9	03/11/03	24000	13000	---	---	---	3200	940	340	1040	<25	1600	---	---	---	---
MW-SF-9	08/01/03	6600	95000	---	---	---	980	72	140	430	17	2500	---	---	---	---
MW-SF-9	10/07/03	5800	3300	---	---	---	340	8.8	82	92	<5	3200	---	---	---	---
MW-SF-9	05/04/05	5700	9700	---	---	---	730	73	130	190	<10	54	---	---	---	---
MW-SF-9	11/03/05	<500	690	---	---	---	9.4	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
MW-SF-9	12/08/06	<500	10000	---	---	---	35	<2.5	<2.5	3.6	<5	8.7	---	---	---	---
MW-SF-9	11/14/07	110	1400	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-SF-9	04/16/08	920	5800	---	---	---	200	1.4	6.3	3.9	<1	16	---	---	---	---
MW-SF-9	10/21/08	350	770	---	---	---	10	<0.50	2.3	<0.50	<1	<0.50	---	---	---	---
MW-SF-9	04/23/09	430	3800	---	---	---	44	<0.50	1.2	<0.50	<0.50	<0.50	<10	<1	<1	<1
MW-SF-9	10/22/09	2400	5900	---	---	---	1300	<10	11	<10	<20	13	<200	<20	<20	<20
MW-SF-9	05/27/10	350	8200	---	---	---	100	1.3	<1	<1	<2	<1	<20	<2	<2	<2
MW-SF-9	10/07/10	1100	<7300	---	---	---	450	7.8	17	<2.5	<5	<2.5	<50	<5	<5	<5
MW-SF-9	04/13/11	310	5900	---	---	---	36	<0.50	<0.50	1.23	<1	<0.50	<10	<1	<1	<1
MW-SF-9	04/19/12	480	---	3300	---	---	160	<1	<1	<1	<2	<1	<20	2.2	<2	<2
MW-SF-9	06/06/13	2300	---	4500	---	---	680	25	52	190	<10	20	<100	40	<10	<10
MW-SF-9	10/11/13	4100	---	7300	---	---	910	220	55	310	<20	17	<200	<20	<20	<20
MW-SF-9	04/14/16	2300	---	5100	---	---	96	1.8	64	170	<3	1.7	130	3.4	<3	<3
MW-SF-10	10/05/10	30000	<220000	---	---	---	1500	1200	600	2700	<30	31	<300	<30	<30	<30
MW-SF-10	04/14/11	31000	160000	---	---	---	520	68	410	6500	<20	21	<200	<20	<20	<20
MW-SF-10	10/13/11	18000	46000	---	---	---	320	320	260	2900	<20	<10	<200	<20	<20	<20
MW-SF-11	10/05/10	7800	650	---	---	---	4000	210	<15	110	<30	140	940	<30	<30	<30
MW-SF-11	04/29/11	16000	2500	---	---	---	10000	60	95	140	<100	130	<1000	<100	<100	<100
MW-SF-11	10/13/11	30000	2300	---	---	---	14000	250	340	600	<200	<100	<2000	<200	<200	<200
MW-SF-11	04/19/12	15000	---	160	---	---	8100	130	110	480	<100	100	<1000	<100	<100	<100
MW-SF-11	10/18/12	77000	---	320	---	---	18000	420	2600	6500	<200	<100	<2000	<200	<200	<200
MW-SF-12	10/05/10	17000	1900	---	---	---	5300	1800	110	680	<50	2200	880	<50	<50	<50
MW-SF-12	04/29/11	27000	19000	---	---	---	5900	4400	340	3400	<50	2200	<500	<50	<50	<50
MW-SF-12	10/13/11	110000	11000	---	---	---	24000	18000	1000	6400	<200	7200	<2000	<200	<200	<200
MW-SF-13	10/05/10	9000	2900	---	---	---	2100	1000	83	520	<20	680	280	61	<20	<20
MW-SF-13	04/29/11	3400	6300	---	---	---	1000	64	20	189	<10	39	270	23	<10	<10
MW-SF-13	10/14/11	42000	13000	---	---	---	12000	5200	300	2200	<200	580	<2000	<200	<200	<200
MW-SF-13	08/23/16	790	---	2600	---	---	2.6	1.2	8.2	24	<2	<1	<20	<2	<2	<2
MW-SF-13	10/07/16	5300	---	4400	---	---	<5	<5	200	350	<10	<5	<100	<10	<10	<10
MW-SF-13	04/20/17	2000	---	1500	---	---	3.9	1.6	26	60	<2	1.9	36	4.8	<2	<2
MW-SF-13	10/06/17	<100	---	2700	---	---	2	0.67	<0.50	<0.50	<1	0.98	18	2.6	<1	<1
MW-SF-13	04/20/18	<100	---	1400	---	---	1.3	<0.50	<0.50	<0.50	<1	0.55	<10	<1	<1	<1
MW-SF-13	11/09/18	<200	---	530	---	---	1.2	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-SF-13	04/19/19	<200	---	980	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
MW-SF-13	11/01/19	<200	---	1000	---	---	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<20	<2.0	<2.0	<2.0
MW-SF-13	05/12/20	<100	---	1100	---	---	0.79	<0.50	<0.50	<0.50	<1.0	0.58	<10	<1.0	<1.0	<1.0
MW-SF-13	11/06/20	<50	---	1000	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
MW-SF-13	05/06/21	<100	---	340	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	0.56	<10	<1.0	<1.0	<1.0
MW-SF-14	10/08/10	30000	9300	---	---	---	10000	300	900	1400	<200	1900	2300	<200	<200	<200
MW-SF-14	04/29/11	18000	6500	---	---	---	12000	84	130	150	<100	330	1800	<100	<100	<100
MW-SF-14	10/13/11	<20000	6900	---	---	---	9100	120	<100	660	<200	760	<2000	<200	<200	<200
MW-SF-14	04/19/12	15000	---	450	---	---	8200	47	43	120	<50	220	630	<50	<50	<50
MW-SF-14	10/18/12	9800	---	200	---	---	5100	24	<20	64	<40	58	<400	<40	<40	<40
MW-SF-14	04/24/15	510	---	3300	---	---	100	13	<2.5	18	<5	21	<50	<5	<5	<5
MW-SF-14	10/27/15	270000	---	440000	---	---	8700	18000	2800	19000	<200	2600	<2000	<200	<200	<200
MW-SF-14	04/15/16	370	---	17000	---	---	4.7	<0.50	<0.50	39	<0.50	63	500	<1	<1	<1
MW-SF-15	10/05/10	8600	2000	---	---	---	1900	700	63	500	<20	1000	9200	37	<20	<20
MW-SF-15	04/29/11	10000	3800	---	---	---	5500	230	100	361	<40	1200	3400	62	<40	<40

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
MW-SF-15	10/14/11	35000	39000	---	---	---	11000	860	210	1700	<200	780	2300	<200	<200	<200
MW-SF-15	08/23/16	300	---	1400	---	---	5.2	0.57	3	23	0.04	38	440	5.2	0.78	1.4
MW-SF-15	10/07/16	<500	---	16000	---	---	7.1	<2.5	<2.5	3.5	<5	26	720	12	<5	<5
MW-SF-15	04/20/17	190	---	550	---	---	2.5	<0.50	0.69	<0.50	<1	17	300	48	<1	<1
MW-SF-15	10/06/17	110	---	1300	---	---	1.5	<0.50	<0.50	<0.50	<1	1.3	180	52	<1	<1
MW-SF-15	04/20/18	120	---	410	---	---	2.1	<0.50	<0.50	<0.50	<1	4.6	1400	53	<1	<1
MW-SF-15	11/08/18	130	---	140	---	---	1.6	<0.50	<0.50	<0.50	0.85	1.9	220	55	<1	<1
MW-SF-15	04/23/19	130	---	870	---	---	3	0.91	0.53	4.9	<1	1.8	71	54	<1	<1
MW-SF-15	10/31/19	130	---	600	---	---	0.55	<0.50	<0.50	<0.50	<1.0	3.5	83	69	<1.0	<1.0
MW-SF-15	05/11/20	<100	---	230	---	---	0.89	<0.50	<0.50	<0.50	<1.0	1.5	120	85	<1.0	<1.0
MW-SF-15	11/06/20	<100	---	580	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	0.75	28	26	<1.0	<1.0
MW-SF-15	05/06/21	<100	---	320	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	0.83	<10	15	<1.0	<1.0
MW-SF-16	10/04/10	4100	<1400	---	---	---	1600	150	39	160	<20	170	1800	39	<20	<20
MW-SF-16	04/29/11	5900	2400	---	---	---	2400	210	150	563	<20	210	370	30	<20	<20
MW-SF-16	10/14/11	7900	2500	---	---	---	2900	130	140	380	<50	200	<500	<50	<50	<50
MW-SF-16	10/31/14	100000	---	110000	---	---	7400	7800	1000	17000	<200	350	<2000	<200	<200	<200
MW-SF-16	04/24/15	30000	---	250000	---	---	1400	2300	570	4100	<40	170	<400	<40	<40	<40
MW-SF-16	10/27/15	3000	---	490	---	---	750	39	35	160	<20	41	<200	37	<20	<20
PO-7	11/08/05	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
PW-1	11/27/96	---	---	---	---	---	<1	2.2	<1	2	270	<10	---	---	---	---
PW-1	07/15/97	190	---	<500	---	---	<0.50	<0.50	<0.50	<1	180	<5	---	---	---	---
PW-1	01/05/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	68	<5	---	---	---	---
PW-1	05/22/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	38	<0.50	---	---	---	---
PW-1	11/13/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<0.50	73	8.1	---	---	---	---
PW-1	05/06/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	5.7	<0.50	---	---	---	---
PW-1	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	---	---	---	---
PW-1	05/17/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	---	---	---	---
PW-1	11/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.7	<0.50	---	---	---	---
PW-1	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.6	<0.50	---	---	---	---
PW-1	11/07/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	---	---	---	---
PW-1	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	10/23/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	10/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	11/04/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	---	---	---	---
PW-1	05/09/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	12/07/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	05/05/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	11/14/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	04/18/08	<50	460	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	11/21/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-1	04/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
PW-1	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-1	11/07/19	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
PW-2	11/25/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	76	3.3	---	---	---	---
PW-2	07/14/97	140	---	<500	---	---	<0.50	<0.50	<0.50	<1	160	<5	---	---	---	---
PW-2	01/06/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	82	<5	---	---	---	---
PW-2	05/22/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	37	0.9	---	---	---	---
PW-2	08/25/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	6.8	<0.50	---	---	---	---
PW-2	11/16/98	<300	---	---	---	---	16	18	2	10.9	35	58	---	---	---	---
PW-2	02/03/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<1	79	2.4	---	---	---	---
PW-2	05/06/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	3.4	<0.50	---	---	---	---
PW-2	08/10/99	<500	---	<1000	---	---	<0.50	<1	<1	<1	32	<1	---	---	---	---
PW-2	11/19/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	45	0.7	---	---	---	---
PW-2	02/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	58	<0.50	---	---	---	---
PW-2	05/16/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	50	0.8	---	---	---	---
PW-2	08/29/00	<300	760	---	---	---	<0.50	<0.50	<0.50	<0.50	56	0.6	---	---	---	---
PW-2	11/29/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	35	0.6	---	---	---	---
PW-2	02/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	28	0.8	---	---	---	---
PW-2	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	14	<0.50	---	---	---	---
PW-2	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	24	<0.50	---	---	---	---
PW-2	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	23	<0.50	---	---	---	---
PW-2	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-2	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	1.7	19	<0.50	---	---	---	---
PW-2	10/24/02	<300	1000	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-2	01/16/03	<300	<100	---	---	---	---	---	---	---	---	---	---	---	---	---
PW-2	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-2	07/07/03	---	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
PW-2	10/07/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	8.8	<0.50	---	---	---	---
PW-2	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	18	0.56	---	---	---	---
PW-2	07/08/04	<50	250	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-2	11/03/04	83	140	---	---	---	<0.50	<0.50	<0.50	<0.50	52	1.5	---	---	---	---
PW-2	05/06/05	110	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	70	6.2	---	---	---	---
PW-2	11/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-2	05/04/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-2	12/06/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	6.8	<0.50	---	---	---	---
PW-2	05/02/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.57	<0.50	---	---	---	---
PW-2	11/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-2	04/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	11/25/96	---	---	---	---	---	<0.50	<0.50	<0.50	<1.5	110	<5	---	---	---	---
PW-3	07/14/97	140	---	<500	---	---	5.9	2.4	2.9	8.4	67	<5	---	---	---	---
PW-3	01/08/98	<100	---	<500	---	---	1.2	1.1	<0.50	<1.5	46	<5	---	---	---	---
PW-3	05/22/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	48	1.6	---	---	---	---
PW-3	08/25/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	35.3	<0.50	---	---	---	---
PW-3	11/16/98	<300	---	---	---	---	<0.50	4.5	0.6	3.6	21	<0.50	---	---	---	---
PW-3	02/03/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<1	25	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
PW-3	05/06/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	21	<0.50	---	---	---	---
PW-3	08/10/99	<500	---	<1000	---	---	<0.50	<1	<1	<1	13	<1	---	---	---	---
PW-3	11/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	3.5	<0.50	---	---	---	---
PW-3	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4.4	<0.50	---	---	---	---
PW-3	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.7	<0.50	---	---	---	---
PW-3	11/06/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4.8	<0.50	---	---	---	---
PW-3	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	3	<0.50	---	---	---	---
PW-3	10/24/02	<300	1600	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	01/16/03	<300	<100	---	---	---	---	---	---	---	---	---	---	---	---	---
PW-3	04/08/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.73	<0.50	---	---	---	---
PW-3	07/07/03	---	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
PW-3	10/07/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.6	<0.50	---	---	---	---
PW-3	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	07/13/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	11/03/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	05/06/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.53	<0.50	---	---	---	---
PW-3	11/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	05/03/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	12/06/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	---	---	---	---
PW-3	05/02/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	11/15/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	04/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	10/17/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PW-3	04/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.64	<0.50	<10	<1	<1	<1
PW-3	10/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.86	<0.50	<10	<1	<1	<1
PW-3	05/26/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<10	<1	<1	<1
PW-3	10/06/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<10	1	<1	<1
PW-3	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	10/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	10/29/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	10/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/21/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.67	<0.50	<10	<1	<1	<1
PW-3	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	04/19/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
PW-3	10/31/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
PW-3	05/11/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PW-3	11/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PW-3	05/06/21	<50	---	180	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PZ-1	11/27/96	---	---	---	---	---	79	16	140	49	15	610	---	---	---	---
PZ-1	07/16/97	220	---	<500	---	---	<0.50	<0.50	13	<1	3	480	---	---	---	---
PZ-1	01/06/98	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1.5	1.3	17	---	---	---	---
PZ-1	05/26/98	400	---	---	---	---	<5	<5	<5	<10	<5	370	---	---	---	---
PZ-1	11/16/98	516	<100	---	---	---	110	67	8	38	7.2	320	---	---	---	---
PZ-1	05/06/99	2000	---	<500	---	---	500	<2	13	120	<5	230	---	---	---	---
PZ-1	11/17/99	<300	<100	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	210	---	---	---	---
PZ-1	05/17/00	350	740	---	---	---	51	<2.5	2.7	<2.5	<2.5	250	---	---	---	---
PZ-1	11/29/00	390	720	---	---	---	79	<2.5	<2.5	<2.5	<2.5	260	---	---	---	---
PZ-1	05/08/01	<300	380	---	---	---	15	<0.50	<0.50	<0.50	<0.50	330	---	---	---	---
PZ-1	11/06/01	550	140	---	---	---	8.4	<0.50	<0.50	0.7	1.4	470	---	---	---	---
PZ-1	04/09/02	<300	<100	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	270	---	---	---	---
PZ-2	04/11/13	210	---	940	---	---	9.9	<1	13	<1	<2	<1	<20	<2	<2	<2
PZ-2	10/11/13	400	---	580	---	---	9	<0.50	1.3	2	<1	<0.50	23	<1	<1	<1
PZ-2	04/17/14	330	---	280	---	---	2	<0.50	<0.50	2.6	<1	0.6	25	<1	<1	<1
PZ-2	04/23/15	250	---	810	---	---	<1	<1	2.5	13	<2	<1	29	<2	<2	<2
PZ-2	10/27/15	210	---	460	---	---	1.2	<0.50	1.2	3.8	<0.50	0.56	42	<1	<1	<1
PZ-2	03/15/16	1200	---	1800	---	---	150	16	32	72	<2	4	<20	<2	<2	<2
PZ-2	04/13/16	2300	---	1300	---	---	110	20	120	390	<2	1.3	<20	<2	<2	<2
PZ-2	06/30/16	790	---	550	---	---	77	3	21	43	<0.50	1.2	<10	1	<1	<1
PZ-2	08/23/16	590	---	570	---	---	62	7.9	12	37	0.55	1.3	11	1.4	<2	0.38
PZ-2	10/06/16	410	---	550	---	---	3.5	0.84	8.2	22	<0.50	1.7	23	<1	<1	<1
PZ-2	04/20/17	<50	---	94	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	<10	<1	<1	<1
PZ-2	10/05/17	120	---	440	---	---	<0.50	<0.50	<0.50	2.6	<0.50	1.1	<10	<1	<1	<1
PZ-2	04/19/18	110	---	680	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<10	<1	<1	<1
PZ-2	11/09/18	<50	---	200	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.5 J	<10	<1	<1	<1
PZ-2	04/19/19	<50	---	150	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<1	<1	<1
PZ-2	10/30/19	<50	---	410	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
PZ-2	05/11/20	<50	---	270	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	<10	<1.0	<1.0	<1.0
PZ-2	11/06/20	<50	---	320	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<1.0	<1.0	<1.0
PZ-2	05/05/21	<50	---	620	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<10	<1.0	<1.0	<1.0
PZ-3	04/22/04	---	56000	---	---	---	6300	<1500	4100	24000	---	<25000	---	---	---	---
PZ-3	04/22/09	---	---	---	---	2200	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
PZ-3	04/15/10	---	---	---	---	1600	2.2	<0.50	<0.50	<0.50	<0.50	0.74	<10	<2	<2	<2
PZ-3	10/08/10	---	---	---	---	430	0.6	---	---	---	<0.50	0.69	<10	---	---	---
PZ-3	04/14/11	---	---	---	---	2700	1.3	<0.50	<0.50	<0.50	<0.50	0.71	<10	<2	<2	<2
PZ-3	10/14/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
PZ-3	04/19/12	---	---	---	---	590	0.68	<0.50	<0.50	0.26 J	<0.50	0.52	6.6 J	<2	<2	<2
PZ-3	10/19/12	---	---	---	---	5000	280	<0.50	150	362	<0.50	<0.50	<10	<2	<2	<2
PZ-3	10/09/13	2100	---	10000 HD	---	---	53	0.25 J	44	95.3	<0.50	1.6	<10	<2	<2	<2
PZ-3	04/18/14	5300 HD	---	6900 HD	---	---	420	<0.50	7.4	1.86	<0.50	1.2	18	<2	<2	<2
PZ-3	11/03/14	1300	---	2700	---	---	52	<0.50	1.4	<1	<0.50	3.7	12	<2	<2	<2
PZ-3	04/22/15	3000	---	3600	---	---	59	<0.50	1.2	<1	<0.50	2.8	<10	<2	<2	<2

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
PZ-3	10/10/17	710	---	1500	---	---	28	<1	<1	<2	<1	<2	<20	<4	<4	<4
PZ-3	04/20/18	690	---	5300 J	---	---	94	<1	1.9	1	<1	11	<20	<4	<4	<4
PZ-3	11/12/18	690	---	4300	---	---	16	<0.50	0.5	<1	<0.50	2.3	<10	<2	<2	<2
PZ-3	04/19/19	<100	---	330	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
PZ-3	10/31/19	210	---	520	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	3.1	<10	<2.0	<2.0	<2.0
PZ-3	05/08/20	<100	---	490	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
PZ-3	10/26/20	<100	---	470	---	---	<0.50	<0.50J	<0.50J	<1.0	<0.50	1.6	<10	<2.0	<2.0	<2.0
PZ-3	05/07/21	<100	---	2700	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
PZ-5	10/07/03	6900	<100	---	---	---	11	<10	<10	<10	<20	9100	---	---	---	---
PZ-5	05/05/05	<50	<100	---	---	---	0.87	<0.50	<0.50	<0.50	<0.50	43	---	---	---	---
PZ-5	11/02/05	1200	<100	---	---	---	<2.5	<2.5	<2.5	<2.5	<5	2100	---	---	---	---
PZ-5	02/28/06	160	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	380	---	---	---	---
PZ-5	05/04/06	1200	<100	---	---	---	<2	<2	<2	<2	<4	1900	---	---	---	---
PZ-5	09/19/06	480	<100	---	---	---	<1	<1	<1	<1	<2	1200	---	---	---	---
PZ-5	12/07/06	480	<100	---	---	---	<1.5	<1.5	<1.5	<1.5	<3	960	---	---	---	---
PZ-5	03/13/07	320	<100	---	---	---	<1	<1	<1	<1	<2	690	---	---	---	---
PZ-5	05/04/07	400	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	610	---	---	---	---
PZ-5	08/29/07	380	<100	---	---	---	<1	<1	<1	<1	<2	480	---	---	---	---
PZ-5	11/15/07	370	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	470	---	---	---	---
PZ-5	02/20/08	940	560	---	---	---	<1	<1	<1	<1	<2	750	---	---	---	---
PZ-5	04/15/08	750	330	---	---	---	<1	<1	<1	<1	<2	740	---	---	---	---
PZ-5	08/12/08	1500	370	---	---	---	<2	<2	<2	<2	<4	2000	---	---	---	---
PZ-5	10/16/08	<3000	210	---	---	---	22	<15	<15	<15	<30	1900	---	---	---	---
PZ-5	02/24/09	1000	440	---	---	---	61	<1	<1	<1	<2	1200	37000	---	---	---
PZ-5	02/24/09	1200	760	---	---	---	250	<2	5.7	<2	<4	1200	35000	<4	<4	<4
PZ-5	04/23/09	1200	760	---	---	---	250	<2	5.7	<2	<4	1200	35000	<4	<4	<4
PZ-5	07/22/09	3800	1800	---	---	---	2000	20	98	77	<5	800	54000	<5	<5	<5
PZ-5	10/23/09	2900	1300	---	---	---	1100	18	53	69	<10	500	50000	<10	<10	<10
PZ-5	03/16/10	1700	890	---	---	---	370	2.1	33	9.4	<4	350	58000	<4	<4	<4
PZ-5	04/16/10	1600	1100	---	---	---	110	<2.5	9.7	4.6	<5	340	91000	<5	<5	<5
PZ-5	05/27/10	3200000 J	1300	---	---	---	1100	<25	66	<25	<50	360	69000	<50	<50	<50
PZ-5	07/14/10	4600	1300	---	---	---	1900	<10	180	<10	<20	530	82000	<20	<20	<20
PZ-5	08/12/10	9100	1600	---	---	---	4400	<5	340	42	<10	490	64000	<10	<10	<10
PZ-5	09/20/10	8500	1800	---	---	---	4200	2.8	110	12	<4	370	43000	<4	<4	<4
PZ-5	10/07/10	6300	1000	---	---	---	3100	<20	56	<20	<40	150	40000	<40	<40	<40
PZ-5	11/16/10	3400	1600	---	---	---	1600	<10	10	15	<20	130	20000	<20	<20	<20
PZ-5	12/22/10	3400	1700	---	---	---	1600	<10	<10	<10	<20	100	22000	<20	<20	<20
PZ-5	01/12/11	<4000	1200	---	---	---	1500	<5	<5	<5	<10	130	38000	<10	<10	<10
PZ-5	02/24/11	1400	400	---	---	---	390	<2	<2	3.8	<4	84	27000	<4	<4	<4
PZ-5	03/23/11	1100	820	---	---	---	210	<1	<1	2.4	<2	140	29000	<2	<2	<2
PZ-5	04/13/11	830	520	---	---	---	59	<1	<1	<1	<2	120	28000	<2	<2	<2
PZ-5	05/13/11	2000	830	---	---	---	710	4.7	25	25.8	<5	140	34000	<5	<5	<5
PZ-5	06/22/11	4500	1100	---	---	---	960	9	30	80	<10	100	33000	<10	<10	<10
PZ-5	07/12/11	3300	1200	---	---	---	1500	16	50	77	<20	110	34000	<20	<20	<20
PZ-5	08/19/11	2600	1200	---	---	---	750	9	63	45	<10	150	47000	<10	<10	<10
PZ-5	09/22/11	4700	1400	---	---	---	1600	33	100	200	<20	200	64000	<20	<20	<20

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
PZ-5	10/14/11	4600	1500	---	---	---	1500	31	130	190	<10	170	58000	<10	<10	<10
PZ-5	11/28/11	4600	1500	---	---	---	1700	18	150	140	<20	220	61000	<20	<20	<20
PZ-5	12/21/11	5900	2000	---	---	---	2200	57	160	390	<20	190	61000	<20	<20	<20
PZ-5	01/10/12	5400	1900	---	---	---	2000	44	140	330	<20	200	38000	<20	<20	<20
PZ-5	02/23/12	8400	1700	---	---	---	3300	86	280	760	<40	370	29000	<40	<40	<40
PZ-5	03/28/12	4100	---	270	---	---	1800	20	100	170	<20	150	29000	<20	<20	<20
PZ-5	04/19/12	2900	---	260	---	---	1300	<10	97	20	<20	140	58000	<20	<20	<20
PZ-5	05/25/12	7500	---	340	---	---	3700	42	210	250	<30	240	68000	<30	<30	<30
PZ-5	06/15/12	8400 J	---	440	---	---	4500	60	190	320	<100	500	75000	<100	<100	<100
PZ-5	07/10/12	7600	---	360	---	---	3400	31	150	200	<20	700	66000	<20	<20	<20
PZ-5	08/29/12	4500	---	900	---	---	2300	17	110	66	<20	1000	140000	<20	<20	<20
PZ-5	09/26/12	6200	---	390	---	---	2000	25	160	110	<20	1500	67000	<20	<20	<20
PZ-5	10/18/12	9900	---	520	---	---	3300	55	200	180	<80	5600	83000	<80	<80	<80
PZ-5	11/29/12	8300	---	420	---	---	3000	35	200	69	<40	3200	97000	<40	<40	<40
PZ-5	12/26/12	5200	---	480	---	---	2600	18	160	55	<5	3300	130000	<5	<5	<5
PZ-5	01/15/13	9400	---	1400	---	---	3900	41	200	100	<50	4800	100000	<50	<50	<50
PZ-5	02/20/13	12000	---	1400	---	---	5400	67	310	310	<100	8600	110000	<100	<100	<100
PZ-5	04/11/13	10000	---	2300	---	---	4100	37	300	140	<40	4800	83000	<40	<40	<40
PZ-5	10/11/13	49000	---	6200	---	---	11000	<100	590	250	<200	32000	210000	<200	<200	<200
PZ-5	04/16/14	250000	---	3700	---	---	70000	<200	5800	200	<400	150000	2800000	<400	<400	<400
PZ-5	10/30/14	16000	---	6500	---	---	5600	<50	410	<50	<100	440	110000	<100	<100	<100
PZ-5	04/23/15	3100	---	2100	---	---	1100	<5	120	18	<10	150	64000	<10	<10	<10
PZ-5	10/26/15	1200	---	1100	---	---	<1	<1	<1	<1	<2	29	46000	<2	<2	<2
PZ-5	04/14/16	860	---	400	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	7.6	72000	<1	<1	<1
PZ-5	10/06/16	1200	---	970	---	---	<1	<1	<1	1.4	<2	7.2	110000	<2	2.7	<2
PZ-5	04/21/17	16000	---	840	---	---	5800	450	910	1900	<40	770	47000	<40	<40	44
PZ-5	10/05/17	910	---	270	---	---	1.7	<1	20	1.6	<2	23	30000	<2	<2	<2
PZ-5	04/19/18	550	---	420	---	---	<0.50	<0.50	<0.50	<0.50	<1	3.6	97000 *	<1	<1	<1
PZ-5	11/09/18	3100	---	470	---	---	<1.5	<1.5	<1.5	<1.5	<3	2.2	56000	<3	<3	<3
PZ-5	04/18/19	1700	---	520	---	---	66	<1	<1	3.3 J	<2	6.2	150000	<2	3.7	<2
PZ-5	10/31/19	1200	---	420	---	---	<0.50	<0.50	<0.50	<0.50	<1.0	3.4	47,000	<1.0	2.5	<1.0
PZ-5	05/07/20	700	---	650	---	---	2.4	<1.0	<1.0	<1.0	<2.0	4.0	100,000	<2.0	3.3	<2.0
PZ-5	11/06/20	700	---	330	---	---	<0.50	<0.50	<0.50	14	<1.0	190	25000	<1.0	<1.0	1
PZ-5	05/05/21	270	---	300	---	---	<0.50	0.53	<0.50	11	<1.0	270	9,000	<1.0	<1.0	<1.0
PZ-6	11/30/00	<300	<100	---	---	---	<0.50	0.5	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-6	05/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-6	07/08/03	---	---	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
PZ-6	04/27/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-6	07/08/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.5	<0.50	---	---	---	---
PZ-7A	06/13/03	340	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	660	---	---	---	---
PZ-7A	09/24/03	160	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	390	---	---	---	---
PZ-7A	10/10/03	240	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	340	---	---	---	---
PZ-7A	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	4.8	---	---	---	---
PZ-7B	06/13/03	98	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.51	51	---	---	---	---
PZ-7B	09/24/03	61	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	67	---	---	---	---
PZ-7B	10/10/03	90	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
PZ-7B	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-8A	06/13/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	12	---	---	---	---
PZ-8A	09/24/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	---	---	---	---
PZ-8A	10/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	---	---	---	---
PZ-8A	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-8A	12/06/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-8B	06/13/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	31	---	---	---	---
PZ-8B	09/24/03	86	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	180	---	---	---	---
PZ-8B	10/10/03	310	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	440	---	---	---	---
PZ-8B	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-8B	12/06/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-9A	06/13/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-9A	09/24/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-9A	10/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-9A	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-9B	06/13/03	75	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	50	---	---	---	---
PZ-9B	09/24/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	7.9	---	---	---	---
PZ-9B	10/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.9	---	---	---	---
PZ-9B	08/02/05	---	---	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	---	---	---	---
PZ-10	08/01/03	6300	1800	---	---	---	710	130	150	890	<10	47	---	---	---	---
PZ-10	10/07/03	6200	1900	---	---	---	1000	21	230	600	<10	55	---	---	---	---
PZ-10	01/27/04	3100	1800	---	---	---	560	5.4	63	201	<5	28	---	---	---	---
PZ-10	04/22/04	11000	8300	---	---	---	2100	29	470	1490	<20	110	---	---	---	---
PZ-10	07/19/04	4800	2500	---	---	---	890	<5	210	278	<10	45	---	---	---	---
PZ-10	11/03/04	4600	2800	---	---	---	920	9.1	280	580	<10	50	---	---	---	---
PZ-10	02/03/05	1000	1200	---	---	---	250	1.4	34	108	<2	42	---	---	---	---
PZ-10	05/04/05	<50	350	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-10	08/01/05	<50	<100	---	---	---	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-10	11/02/05	<100	220	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
PZ-10	02/27/06	<200	1600	---	---	---	<1	<1	<1	<1	<2	6.1	---	---	---	---
PZ-10	05/09/06	<1000	1600	---	---	---	5.1	<5	<5	<5	<10	36	---	---	---	---
PZ-10	09/20/06	<200	640	---	---	---	<1	<1	<1	<1	<2	3.6	---	---	---	---
PZ-10	12/06/06	<500	2400	---	---	---	<2.5	<2.5	<2.5	<2.5	<5	5.5	---	---	---	---
PZ-10	03/13/07	<500	1100	---	---	---	<2.5	<2.5	<2.5	<2.5	<5	<2.5	---	---	---	---
PZ-10	05/03/07	<1000	7100	---	---	---	6.1	<5	<5	<5	<10	<5	---	---	---	---
PZ-10	08/30/07	<200	1000	---	---	---	<1	<1	<1	<1	<2	<1	---	---	---	---
PZ-10	11/14/07	<50	360	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
PZ-10	02/21/08	<200	510	---	---	---	65	<1	3.1	9.4	<2	<1	---	---	---	---
PZ-10	04/16/08	950	670	---	---	---	360	5	20	85	<5	11	---	---	---	---
PZ-10	10/16/08	<200	1100	---	---	---	18	<1	<1	<1	<2	1.7	---	---	---	---
PZ-10	04/20/09	560	2600	---	---	---	26	<1	3.2	<1	<2	12	38	5.2	<2	<2
PZ-10	07/21/09	<200	1700	---	---	---	1.4	<1	<1	<1	<2	9.6	55	3.1	<2	<2
PZ-10	10/22/09	<200	1200	---	---	---	<1	<1	<1	<1	<2	4.4	30	<2	<2	<2
PZ-10	05/27/10	<100	940	---	---	---	0.92	<0.50	<0.50	<0.50	<1	1.4	<10	<1	<1	<1
PZ-10	10/07/10	<100	<830	---	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
PZ-10	04/13/11	<200	910	---	---	---	2.8	<1	<1	<1	<2	<1	<20	2.2	<2	<2

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
PZ-10	04/19/12	<200	---	570	---	---	4.9	<1	<1	<1	<2	<1	39	3.4	<2	<2
PZ-10	10/17/12	<500	---	970	---	---	32	<2.5	<2.5	<2.5	<5	<2.5	<50	6.4	<5	<5
PZ-10	10/26/15	340	---	1200	---	---	<1.5	<1.5	<1.5	6.2	<3	<1.5	140	<3	<3	<3
PZ-10	04/14/16	<200	---	240	---	---	<1	<1	<1	<1	<2	<1	<20	<2	<2	<2
RTF-18-N	04/24/17	25000	---	5200	---	---	1700	6.7	800	2500	<5	<10	<100	<20	<20	<20
RTF-18-NNW	04/24/17	30000	---	6900	---	---	5000	16	1500	5200	<5	<10	<100	<20	<20	<20
TF-8	09/18/03	---	<100	---	---	---	1.2	<0.50	0.77	2.74	<0.50	24	---	---	---	---
TF-8	02/21/04	---	---	---	520	---	3.2	<0.50	<0.50	1.4	---	46	---	---	---	---
TF-8	10/10/13	<100	---	490 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<10	<2	<2	<2
TF-8	04/18/14	140 HD	---	450 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.71	<10	<2	<2	<2
TF-8	10/29/14	<100	---	1000	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
TF-8	04/29/15	<100	---	1100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
TF-8	10/23/15	<100	---	830	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
TF-8	04/12/16	<100	---	1000	---	---	0.52	<0.50	1.2	4.1	<0.50	1.7	<10	<2	<2	<2
TF-8	10/10/16	<100	---	770	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.2	<10	<2	<2	<2
TF-8	04/20/17	<100	---	100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-8	10/05/17	<100	---	640	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-8	04/19/18	<100	---	780	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-8	11/08/18	<100	---	190	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-8	04/17/19	<100	---	300 J	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-8	11/05/19	<100	---	330	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-8	05/11/20	<100	---	280	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-8	10/26/20	<100	---	250	---	---	<0.50	<0.50J	<0.50J	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-8	05/07/21	<100	---	270	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-9	10/10/13	960 HD	---	2200 HD	---	---	2.1	0.27 J	0.8	0.3	<0.50	<0.50	32	<2	<2	<2
TF-9	04/18/14	3400 HD	---	2900 HD	---	---	3.6	0.27 J	3.1	8.1	<0.50	<0.50	25	<2	<2	<2
TF-9	10/31/14	1100	---	1300	---	---	6	<0.50	0.84	0.69	<0.50	<2	22	<2	<2	<2
TF-9R	10/05/17	1500	---	1500	---	---	36	<0.50	6.5	0.51	<0.50	<1	<10	<2	<2	<2
TF-9R	04/20/18	750	---	1700 J	---	---	34	<2.5	3.4	<5	<2.5	<5	<50	<10	<10	<10
TF-9R	11/12/18	1500	---	2400	---	---	26	<2	7.1	<4	<2	<4	<40	<8	<8	<8
TF-9R	04/19/19	<100	---	120	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-9R	10/31/19	<100	---	100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-9R	05/07/20	<100	---	<100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-9R	10/20/20	<100	---	250	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10J	<2.0	<2.0	<2.0
TF-9R	05/07/21	<100	---	900	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-14	09/18/03	---	20000	---	---	---	210	<2.5	62	88.8	<2.5	<2.5	---	---	---	---
TF-14	02/21/04	---	---	---	12000	---	370	<1	130	125.9	---	1.2	---	---	---	---
TF-15	05/12/20	2000	---	1600	---	---	230	<5.0	51	21	<5.0	<12	<100	<20	<20	<20
TF-15	10/26/20	160	---	2300	---	---	59	<2.5J	<2.5J	<5.0	<2.5	<6.0	<50	<10	<10	<10
TF-15	05/12/21	1100	---	6600	---	---	37	<0.50	15	19	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-16	04/14/03	---	4450	---	---	---	23.8	5.03	15.3	16.8	---	9.51	---	---	---	---
TF-16	09/18/03	---	59000	---	---	---	280	8.3	24	211	<0.50	9.1	---	---	---	---
TF-16	10/11/03	---	7400	---	---	---	150	7	27	91	---	<25	---	---	---	---
TF-16	02/21/04	---	---	---	48000	---	120	2.4	23	89	---	5.6	---	---	---	---
TF-16	04/21/04	---	23000	---	---	---	200	30	40	320	---	4.6	---	---	---	---
TF-16	11/04/04	---	16000	---	---	---	180	4	20	320	---	<10	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
TF-16	05/06/05	---	27000	---	---	---	43	10	4.6	73	---	<25	---	---	---	---
TF-16	11/08/05	---	4200	---	---	---	25	0.86	3.4	20	---	8.5	---	---	---	---
TF-16	05/04/06	---	33000	---	---	---	52	0.89	10	49	---	<5	---	---	---	---
TF-16	12/08/06	---	3500	---	---	---	28	<0.50	1.5	3	---	<5	---	---	---	---
TF-16	05/04/07	---	13000	---	---	---	520	<2.5	5.4	10	---	<25	---	---	---	---
TF-16	11/15/07	---	5200	---	---	---	450	<0.50	<0.50	<1	---	9.3	---	---	---	---
TF-16	04/17/08	---	4300	---	---	---	570	1.3	3.2	4.1	---	<10	---	---	---	---
TF-16	10/16/08	---	---	---	---	3100	330	<2.5	<2.5	<2.5	<2.5	6.3	<50	<10	<10	<10
TF-16	04/24/09	---	---	---	---	2200	24	<0.50	<0.50	<0.50	<0.50	4.1	11	<2	<2	<2
TF-16	10/26/09	---	---	---	---	960	7.6	<0.50	0.34 J	<0.50	<0.50	3.9	11	<2	<2	0.35 J
TF-16	04/15/10	---	---	---	---	1000	10	<0.50	0.38 J	<0.50	---	3.5	8.2 J	<2	<2	0.42 J
TF-16	04/15/11	---	---	---	---	870	---	---	---	---	---	---	---	---	---	---
TF-16	04/22/11	---	---	---	---	---	40	<0.50	1.1	0.8	<0.50	3.4	11	<2	<2	0.39 J
TF-16	04/19/12	2100	---	---	---	2100	10	<0.50	0.83	0.67 J	<0.50	3.4	17	<2	<2	0.67 J
TF-16	04/11/13	1200 b	---	2500 b	---	---	180	<0.50	1.5	1.08 J	<0.50	4.8	6 J	<2	<2	<2
TF-16	10/08/13	860 HD	---	2300 HD	---	---	170	<0.50	1.1	0.58	<0.50	4.2	8.5 J	<2	<2	0.64 J
TF-16	04/17/14	6000 HD	---	7600 HD	---	---	740	3	31	110	<0.50	4.6	8.2 J	<2	<2	0.98 J
TF-16	05/12/20	3400	---	2000	---	---	100	<2.5	<2.5	<5.0	<2.5	<6.0	<50	<10	<10	<10
TF-16	10/26/20	170	---	2100	---	---	32	<1.0J	4.3 J	<2.0	<1.0	<2.4	<20	<4.0	<4.0	<4.0
TF-16	05/12/21	270	---	2600	---	---	7.8	<0.50	0.61	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-17	10/09/13	18000 HD	---	32000 HD	---	---	33	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<10	<10	<10
TF-17	04/17/14	8900 HD	---	14000 HD	---	---	13	<2.5	<2.5	<2.5	<2.5	2.7	<50	<10	<10	<10
TF-17	11/03/14	2900	---	7100	---	---	68	2.3	46	230	<0.50	2.8	<10	<2	<2	<2
TF-17R	05/12/20	5800	---	11000	---	---	370	<50	590	1200	<50	<120	<1000	<200	<200	<200
TF-17R	11/23/20	5700	---	3700	---	---	46 J	<5.0J	190 J	490 J	<5.0J	<12J	<100J	<20J	<20J	<20J
TF-17R	05/10/21	8600	---	5600	---	---	67	<2.5	260	590	<2.5	<6.0	76	<10	<10	<10
TF-18	04/24/17	54000	---	7300	---	---	320	<5	340	530	<5	<10	<100	<20	<20	<20
TF-18	11/07/19	5600	---	9300	---	---	33	<5.0	88	34	<5.0	<1.2	<100	<20	<20	<20
TF-18	11/23/20	3800	---	16000 J	---	---	18	<2.5	4.3 J	3	<2.5	<6.0	700	<10	<10	<10
TF-18	05/12/21	27000	---	21000	---	---	13	<1.0	19	4.0	<1.0	<2.4	200	<4.0	<4.0	<4.0
TF-19	11/06/18	710	---	1500	---	---	<0.50	<0.50	0.54	1	<0.50	<1	<10	<2	<2	<2
TF-20R	10/10/17	1300	---	660	---	---	490	<5	<5	<10	<5	<10	<100	<20	<20	<20
TF-20R	04/24/18	900	---	540	---	---	290	<5	<5	<10	<5	<10	<100	<20	<20	<20
TF-20R	11/15/18	700	---	620	---	---	130	<5	<5	<10	<5	<10	<100	<20	<20	<20
TF-20R	04/22/19	540	---	440	---	---	74	<0.50	<0.50	1.1	<0.50	<1	<10	<2	<2	<2
TF-20R	11/06/19	810	---	640	---	---	29	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-20R	05/11/20	410	---	600	---	---	25	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-20R	10/28/20	170	---	430	---	---	<0.50J	<0.50J	<0.50J	<1.0J	<0.50J	<1.2J	<10J	<2.0J	<2.0J	<2.0J
TF-20R	05/10/21	<100	---	100	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-21	04/10/03	---	476	---	---	---	267	1.63	8.13	9.83	---	<3	---	---	---	---
TF-21	09/18/03	---	1800	---	---	---	560	<5	5.6	<5	<5	<5	---	---	---	---
TF-21	10/08/03	---	2500	---	---	---	390	<0.60	4.2	<0.60	---	<10	---	---	---	---
TF-21	02/21/04	---	---	---	1500	---	820	<2.5	<2.5	<2.5	---	3.6	---	---	---	---
TF-21	04/21/04	---	2000	---	---	---	550	<1	1.6	<1	---	2.7	---	---	---	---
TF-21	11/04/04	---	860	---	---	---	10	<0.30	<0.30	1.2	---	<5	---	---	---	---
TF-21	05/05/05	---	3600	---	---	---	190	13	45	310	---	<100	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
TF-21	11/05/05	---	2200	---	---	---	140	0.61	3.7	39	---	6.1	---	---	---	---
TF-21	05/03/06	---	3200	---	---	---	140	4.3	3.9	10	---	5.1	---	---	---	---
TF-21	12/06/06	---	1100	---	---	---	44	<0.50	<0.50	5	---	<5	---	---	---	---
TF-21	05/04/07	---	3200	---	---	---	80	0.93	0.86	2.2	---	7.2	---	---	---	---
TF-21	11/16/07	---	790	---	---	---	170	<0.50	<0.50	<1	---	<5	---	---	---	---
TF-21	04/17/08	---	980	---	---	---	190	<0.50	4.4	2.4	---	<5	---	---	---	---
TF-21	10/15/08	---	---	---	---	810	37	<0.50	<0.50	<0.50	<0.50	1	23	<2	<2	<2
TF-21	04/24/09	---	---	---	---	350	40	<0.50	<0.50	<0.50	<0.50	<0.50	18	<2	<2	<2
TF-21	10/26/09	---	---	---	---	960	50	<0.50	0.46 J	<0.50	<0.50	0.74	19	<2	<2	<2
TF-21	04/16/10	---	---	---	---	1100	120	0.37 J	1.1	1.16	---	<0.50	15	<2	<2	<2
TF-21	04/15/11	---	---	---	---	2000	---	---	---	---	---	---	---	---	---	---
TF-21	04/22/11	---	---	---	---	---	160	<0.50	1.4	3.1	<0.50	0.71	20	<2	<2	<2
TF-21	04/20/12	1600	---	---	---	1900	280	0.27 J	1.7	0.88 J	<0.50	0.99	24	<2	<2	<2
TF-21	04/12/13	590 b	---	2700	---	---	130	<0.50	0.5	0.24 J	<0.50	4.1	13	<2	<2	<2
TF-21	10/08/13	810 HD	---	2200 HD	---	---	320	<0.50	0.59	0.24	<0.50	7.2	17	<2	<2	<2
TF-21	04/17/14	1100 HD	---	2000 HD	---	---	190	0.26 J	0.83	0.48	<0.50	16	20	<2	<2	<2
TF-21	10/30/14	1500	---	1700	---	---	120	<0.50	1.2	0.54	<0.50	2.2	<10	<2	<2	<2
TF-21	04/29/15	570	---	1700	---	---	16	<1	<1	<2	<1	<4	<20	<4	<4	<4
TF-21	10/11/16	1300	---	7800	---	---	8.5	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-21	04/21/17	420	---	1400	---	---	10	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-21	10/09/17	350	---	1700	---	---	4.3	<0.50	<0.50	<1	<0.50	<1	18	<2	<2	<2
TF-21	04/23/18	180	---	960	---	---	13	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-21	11/12/18	370	---	1400	---	---	5.8	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-21	04/22/19	150	---	710	---	---	1.5	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-21	10/30/19	110	---	310	---	---	2.1	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-21	05/08/20	<100	---	110	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-21	10/23/20	<100	---	110	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-21	05/05/21	<100	---	290	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-23	04/24/17	410	---	2900	---	---	2.2	0.62	0.9	2.4	<0.50	1.5	94	<2	<2	<2
TF-23	04/22/19	560	---	4600	---	---	<0.50	<0.50	<0.50	<1	<0.50	1	92	<2	<2	<2
TF-23	05/11/20	660	---	7400	---	---	73	<0.50	<0.50	<1.0	<0.50	17	270	<2.0	<2.0	<2.0
TF-23	10/26/20	550	---	1900	---	---	1.1	<0.50J	<0.50J	<1.0	<0.50	21	1300	<2.0	<2.0	<2.0
TF-23	05/12/21	670	---	23000	---	---	<2.5	<2.5	<2.5	<5.0	<2.5	20	810	<10	<10	<10
TF-24	10/10/13	<100	---	1500 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.4 J	<10	<2	<2	<2
TF-24	04/18/14	<100	---	730 HD	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
TF-24	10/29/14	<100	---	1900	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
TF-24	04/29/15	<100	---	1900	---	---	<0.50	<0.50	<0.50	<1	<0.50	<2	<10	<2	<2	<2
TF-24	10/11/16	<100	---	1100	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-24	04/21/17	<100	---	1700	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-24	10/05/17	<100	---	2500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-24	04/20/18	<100	---	2900 J	---	---	1.7	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-24	11/12/18	<100	---	2800	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-24	04/19/19	<100	---	2800	---	---	<0.50	<0.50	<0.50	<1	<0.50	<1	<10	<2	<2	<2
TF-24	11/06/19	<100	---	2600	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-24	05/11/20	<100	---	360	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
TF-24	10/23/20	<100	---	4200	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-j ₄	TPH-j ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
TF-24	05/12/21	<100	---	750	---	---	<0.50	<0.50	<0.50	<1.0	<0.50	<1.2	<10	<2.0	<2.0	<2.0
WCW-1	11/25/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	0.6	<5	---	---	---	---
WCW-1	07/15/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---
WCW-1	01/05/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-1	05/23/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-1	08/25/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	02/02/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<1	<1	<0.50	---	---	---	---
WCW-1	05/06/99	<500	---	<500	---	---	2.1	9.8	0.8	4.4	<1	<0.50	---	---	---	---
WCW-1	08/10/99	<500	---	<1000	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-1	11/18/99	<300	<100	---	---	---	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	02/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	05/19/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	08/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.5	<0.50	---	---	---	---
WCW-1	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	02/05/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	09/18/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-1	10/11/03	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	---	---	---	---
WCW-1	05/06/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	05/03/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-1	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-1	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-1	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-1	04/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-1	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	11/25/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<1.7	<5	---	---	---	---
WCW-2	07/08/97	<100	---	<500	---	---	<0.50	3.5	1.4	7.4	0.57	<5	---	---	---	---
WCW-2	01/05/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	1	<0.50	---	---	---	---
WCW-2	05/19/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-2	08/25/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	02/02/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<1	<1	<0.50	---	---	---	---
WCW-2	05/06/99	<500	---	<500	---	---	<0.50	0.8	<0.50	<0.50	<1	<0.50	---	---	---	---
WCW-2	08/10/99	<500	---	<1000	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-2	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	02/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2	<0.50	---	---	---	---
WCW-2	05/18/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	08/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.6	<0.50	---	---	---	---
WCW-2	11/30/00	<300	<100	---	---	---	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	02/05/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-2	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	09/18/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-2	04/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	10/11/03	<100	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	04/21/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	11/03/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	11/05/05	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	12/05/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/01/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-2	10/17/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/26/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	05/24/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/07/10	<100	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
WCW-2	04/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/13/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-2	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/08/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	04/18/17	<50	---	230	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-2	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-2	05/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-2	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-2	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	11/25/96	120	---	<500	<500	---	<0.70	<0.50	<0.50	<1.5	190	<5	---	---	---	---
WCW-3	07/15/97	100	---	<500	---	---	<0.50	<0.50	<0.50	<1	190	<5	---	---	---	---
WCW-3	01/05/98	<500	---	200	<100	---	<0.50	<0.50	<0.50	<1	220	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-3	05/23/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	201	<0.50	---	---	---	---
WCW-3	08/26/98	<300	304	---	---	---	<2.5	<2.5	<2.5	<2.5	200	<2.5	---	---	---	---
WCW-3	11/03/98	<300	228	---	---	---	<0.50	<0.50	<0.50	<0.50	190	<0.50	---	---	---	---
WCW-3	02/03/99	<1000	---	<500	---	---	<1	<1	<1	<2	200	<1	---	---	---	---
WCW-3	05/06/99	<500	---	<500	---	---	<0.50	1.3	<0.50	<0.50	<1	1.1	---	---	---	---
WCW-3	08/10/99	<500	---	<1000	---	---	<0.50	<1	<1	<1	130	1.8	---	---	---	---
WCW-3	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	100	3.3	---	---	---	---
WCW-3	02/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	100	<0.50	---	---	---	---
WCW-3	05/18/00	<300	110	---	---	---	<0.50	<0.50	<0.50	<0.50	92	1	---	---	---	---
WCW-3	08/28/00	<300	200	---	---	---	<0.50	<0.50	<0.50	<0.50	90	0.7	---	---	---	---
WCW-3	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	68	<0.50	---	---	---	---
WCW-3	02/05/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	81	<0.50	---	---	---	---
WCW-3	05/09/01	<300	120	---	---	---	<0.50	<0.50	<0.50	<0.50	63	<0.50	---	---	---	---
WCW-3	09/19/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	69	<0.50	---	---	---	---
WCW-3	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	51	<0.50	---	---	---	---
WCW-3	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	34	<0.50	---	---	---	---
WCW-3	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	29	<0.50	---	---	---	---
WCW-3	07/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	47	0.55	---	---	---	---
WCW-3	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	39	<1	---	---	---	---
WCW-3	01/28/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	44	<0.50	---	---	---	---
WCW-3	04/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	34	<0.50	---	---	---	---
WCW-3	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	23	<0.50	---	---	---	---
WCW-3	10/11/03	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	22	<0.50	---	---	---	---
WCW-3	01/28/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	43	<0.50	---	---	---	---
WCW-3	05/10/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	33	<0.50	---	---	---	---
WCW-3	07/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	46	<0.50	---	---	---	---
WCW-3	11/03/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	33	<0.50	<10	<2	<2	<2
WCW-3	02/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	39	<0.50	---	---	---	---
WCW-3	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	31	<0.50	---	---	---	---
WCW-3	08/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	26	<0.50	---	---	---	---
WCW-3	11/05/05	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	19	<0.50	<10	<2	<2	<2
WCW-3	02/28/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	8.8	<0.50	---	---	---	---
WCW-3	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	10	<0.50	---	---	---	---
WCW-3	09/20/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	16	<0.50	---	---	---	---
WCW-3	12/05/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	6.6	<0.50	<10	<2	<2	<2
WCW-3	03/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-3	05/01/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-3	08/28/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-3	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-3	02/21/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-3	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-3	08/13/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	3.6	<0.50	---	---	---	---
WCW-3	10/17/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<10	<2	<2	<2
WCW-3	02/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	---	---	---
WCW-3	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	07/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-3	10/26/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	4	<0.50	<10	0.44 J	<2	<2
WCW-3	03/15/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	3.5	<0.50	<10	<1	<1	<1
WCW-3	05/24/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.8	<0.50	<10	<1	<1	<1
WCW-3	07/12/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4.4	<0.50	<10	<1	<1	<1
WCW-3	10/08/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.8	<0.50	<10	<1	<1	<1
WCW-3	01/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	3.3	<0.50	<10	<1	<1	<1
WCW-3	04/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4.1	<0.50	<10	<1	<1	<1
WCW-3	07/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	4.5	<0.50	<10	<1	<1	<1
WCW-3	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	3.4	<0.50	<10	<1	<1	<1
WCW-3	01/09/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.3	<0.50	<10	<1	<1	<1
WCW-3	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	3.2	<0.50	<10	<1	<1	<1
WCW-3	07/09/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.2	<0.50	<10	<1	<1	<1
WCW-3	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	<10	<1	<1	<1
WCW-3	01/14/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<10	<1	<1	<1
WCW-3	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	4.1	<0.50	<10	<1	<1	<1
WCW-3	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<1	<1	<1
WCW-3	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.88	<0.50	<10	<1	<1	<1
WCW-3	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.84	<0.50	<10	<1	<1	<1
WCW-3	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.74	<0.50	<10	<1	<1	<1
WCW-3	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.5	<0.50	<10	<1	<1	<1
WCW-3	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-3	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	05/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<1.0	<1.0	<1.0
WCW-3	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	11/22/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
WCW-4	07/08/97	<100	---	<500	---	---	0.5	0.78	<0.50	<1	<0.50	<5	---	---	---	---
WCW-4	01/05/98	<500	---	<100	300	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-4	05/19/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-4	11/03/98	<300	475	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	05/06/99	<500	---	<500	---	---	2.1	7.7	0.62	3.4	<1	<0.50	---	---	---	---
WCW-4	11/17/99	<300	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	05/18/00	<300	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	11/30/00	<300	160	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-4	04/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	10/11/03	<100	280	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-4	05/10/04	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	11/03/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-4	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	11/05/05	<100	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-4	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	12/05/06	<100	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-4	05/01/07	<50	250	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-4	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.72	<10	<2	<2	<2
WCW-4	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.61	---	---	---	---
WCW-4	10/17/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.65	<10	<2	<2	<2
WCW-4	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<10	<1	<1	<1
WCW-4	10/26/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	<10	<2	<2	<2
WCW-4	05/27/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/07/10	<100	---	---	---	130	<0.50	---	---	---	<0.50	0.89	<10	---	---	---
WCW-4	04/13/11	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	<10	<1	<1	<1
WCW-4	10/14/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	<10	<2	<2	<2
WCW-4	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	<10	<1	<1	<1
WCW-4	10/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<10	<2	<2	<2
WCW-4	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	04/14/16	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	04/18/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	11/06/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-4	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	05/05/20	<50	---	110	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-4	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<10	<1.0	<1.0	<1.0
WCW-4	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	11/22/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
WCW-5	07/08/97	<100	---	<500	---	---	<0.50	7.7	<0.50	1.4	<0.50	<5	---	---	---	---
WCW-5	01/05/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	0.7	<0.50	---	---	---	---
WCW-5	05/19/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-5	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	05/05/99	<500	---	<500	---	---	10	43	3.8	21	<1	<0.50	---	---	---	---
WCW-5	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	05/16/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-5	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-5	04/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	10/11/03	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	05/10/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	11/03/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	05/06/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	11/05/05	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	12/05/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	05/01/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-5	10/17/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/26/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/07/10	<100	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
WCW-5	04/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/14/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-5	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/08/13	<50	---	130	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	11/06/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-5	10/31/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	05/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-5	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	11/22/96	230	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	220	24	---	---	---	---
WCW-6	07/15/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	65	10	---	---	---	---
WCW-6	01/05/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	159	3	---	---	---	---
WCW-6	05/26/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	83	2	---	---	---	---
WCW-6	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	46	1.8	---	---	---	---
WCW-6	05/06/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	53	0.68	---	---	---	---
WCW-6	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	11	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-6	05/16/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	16	0.7	---	---	---	---
WCW-6	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.7	<0.50	---	---	---	---
WCW-6	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	5.7	<0.50	---	---	---	---
WCW-6	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.7	<0.50	---	---	---	---
WCW-6	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	---	---	---	---
WCW-6	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-6	04/10/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	---	---	---	---
WCW-6	10/11/03	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.93	<0.50	---	---	---	---
WCW-6	05/10/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.64	<0.50	---	---	---	---
WCW-6	11/03/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-6	11/05/05	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<10	<2	<2	<2
WCW-6	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-6	12/05/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	05/02/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-6	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-6	10/17/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/26/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	05/24/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/07/10	<100	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
WCW-6	04/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.69	<0.50	<10	<1	<1	<1
WCW-6	10/13/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	0.28 J	<0.50	<10	<2	<2	<2
WCW-6	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-6	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	11/06/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-6	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	0.54	<0.50	23	<1	<1	<1
WCW-6	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	05/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	1.8	0.64	<10	<1.0	<1.0	<1.0
WCW-6	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<10	<1.0	<1.0	<1.0
WCW-6	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<10	<1.0	<1.0	<1.0
WCW-7	11/22/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	31	<5	---	---	---	---
WCW-7	07/15/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---
WCW-7	01/05/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	30	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-7	05/23/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	30	<0.50	---	---	---	---
WCW-7	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	35	<0.50	---	---	---	---
WCW-7	05/06/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	45	<0.50	---	---	---	---
WCW-7	11/18/99	<300	190	---	---	---	<0.50	<1	<0.50	0.6	62	1.3	---	---	---	---
WCW-7	05/16/00	<300	420	---	---	---	<0.50	<0.50	<0.50	<0.50	120	6.4	---	---	---	---
WCW-7	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	83	6	---	---	---	---
WCW-7	02/05/01	<300	230	---	---	---	<0.50	<0.50	<0.50	<0.50	95	6.1	---	---	---	---
WCW-7	05/10/01	<300	180	---	---	---	<0.50	<0.50	<0.50	<0.50	91	9.3	---	---	---	---
WCW-7	09/18/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	140	12	---	---	---	---
WCW-7	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	91	11	---	---	---	---
WCW-7	01/30/02	<300	110	---	---	---	<0.50	<0.50	<0.50	<0.50	84	8.8	---	---	---	---
WCW-7	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	66	8.4	---	---	---	---
WCW-7	07/30/02	<300	260	---	---	---	<0.50	<0.50	<0.50	<0.50	74	8.6	---	---	---	---
WCW-7	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	78	9.3	---	---	---	---
WCW-7	01/28/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	80	7.3	---	---	---	---
WCW-7	04/10/03	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	69	6.8	---	---	---	---
WCW-7	07/30/03	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	69	7.6	---	---	---	---
WCW-7	10/11/03	<100	260	---	---	---	<0.50	<0.50	<0.50	<0.50	84	9.4	---	---	---	---
WCW-7	01/28/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	100	10	---	---	---	---
WCW-7	05/10/04	<100	170	---	---	---	<0.50	<0.50	<0.50	<0.50	73	6.7	---	---	---	---
WCW-7	07/20/04	140	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	110	9	---	---	---	---
WCW-7	11/03/04	<100	330	---	---	---	<0.50	<0.50	<0.50	<0.50	84	11	51	29	<2	<2
WCW-7	02/03/05	72	110	---	---	---	<0.50	<0.50	<0.50	<0.50	91	8.8	---	---	---	---
WCW-7	05/05/05	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	83	6.9	---	---	---	---
WCW-7	08/03/05	53	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	49	14	---	---	---	---
WCW-7	11/05/05	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	14	6.7	<10	2.2	<2	<2
WCW-7	02/28/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	2.5	0.84	---	---	---	---
WCW-7	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	6	2.5	---	---	---	---
WCW-7	09/20/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	33	7.2	---	---	---	---
WCW-7	12/05/06	<100	210	---	---	---	<0.50	<0.50	<0.50	<0.50	36	8	<10	4.8	<2	<2
WCW-7	03/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	32	5.4	---	---	---	---
WCW-7	05/02/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	49	6.4	---	---	---	---
WCW-7	08/28/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	56	7.1	---	---	---	---
WCW-7	11/14/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	50	6.5	<10	9.2	<2	<2
WCW-7	02/21/08	<50	110	---	---	---	<0.50	<0.50	<0.50	<0.50	43	5.9	---	---	---	---
WCW-7	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	54	5.9	---	---	---	---
WCW-7	08/13/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	55	5.3	---	---	---	---
WCW-7	10/17/08	<100	---	---	---	100	<0.50	<0.50	<0.50	<0.50	45	5.4	<10	12	<2	<2
WCW-7	02/24/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	40	2.4	<10	---	---	---
WCW-7	04/22/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	40	2.8	<10	6.6	<1	<1
WCW-7	07/21/09	<50	120	---	---	---	<0.50	<0.50	<0.50	<0.50	31	1.9	<10	5.6	<1	<1
WCW-7	10/26/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	40	1.8	<10	3.7	<2	<2
WCW-7	03/15/10	<50	130	---	---	---	<0.50	<0.50	<0.50	<0.50	30	1.8	<10	4	<1	<1
WCW-7	05/27/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	23	1.2	<10	3.3	<1	<1
WCW-7	07/13/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	20	1.6	<10	3.4	<1	<1
WCW-7	10/07/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	26	1.7	<10	3.9	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-7	01/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	25	1.4	<10	3.3	<1	<1
WCW-7	04/13/11	<50	130	---	---	---	<0.50	<0.50	<0.50	<0.50	23	1.4	<10	3.9	<1	<1
WCW-7	07/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	21	1.2	<10	2.6	<1	<1
WCW-7	10/12/11	<500	120	---	---	---	<0.50	<0.50	<0.50	<0.50	21	1	<10	2.2	<1	<1
WCW-7	01/09/12	<50	100	---	---	---	<0.50	<0.50	<0.50	<0.50	16	1.1	<10	2.1	<1	<1
WCW-7	04/18/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	18	0.98	<10	2.2	<1	<1
WCW-7	07/10/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	16	0.84	<10	2.1	<1	<1
WCW-7	10/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	9.2	0.56	<10	1.5	<1	<1
WCW-7	01/14/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	18	1.2	<10	1.8	<1	<1
WCW-7	04/10/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	19	0.61	<10	1.3	<1	<1
WCW-7	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	11	0.6	<10	1.4	<1	<1
WCW-7	04/17/14	61	---	64	---	---	<0.50	<0.50	<0.50	<0.50	7.4	0.73	<10	1.7	<1	<1
WCW-7	10/28/14	<100	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	7.5	0.51	<10	1.2	<1	<1
WCW-7	04/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	5.6	<0.50	<10	1.1	<1	<1
WCW-7	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	6.2	0.74	<10	1.9	<1	<1
WCW-7	04/14/16	<100	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	7.7	0.82	<10	2.2	<1	<1
WCW-7	10/05/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-7	10/06/17	<50	---	120 CL	---	---	1.2	<0.50	<0.50	<0.50	4.8	<0.50	<10	1.2	<1	<1
WCW-7	04/17/18	<50	---	86	---	---	<0.50	<0.50	<0.50	<0.50	5.2	<0.50	<10	<1	<1	<1
WCW-7	11/06/18	<50	---	110	---	---	<0.50	<0.50	<0.50	<0.50	5	<0.50	<10	1.1	<1	<1
WCW-7	04/17/19	<50	---	290	---	---	<0.50	<0.50	<0.50	<0.50	14	2.4	<10	5.6	<1	<1
WCW-7	10/31/19	<50	---	120	---	---	<0.50	<0.50	<0.50	<0.50	4.2	0.57	<10	1.3	<1.0	<1.0
WCW-7	05/07/20	<50	---	95	---	---	<0.50	<0.50	<0.50	<0.50	6.7	1.0	<10	1.9	<1.0	<1.0
WCW-7	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	6.4	1.6	<10	2.7	<1.0	<1.0
WCW-8	11/22/96	84	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	0.5	<5	---	---	---	---
WCW-8	07/15/97	<100	---	1700	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---
WCW-8	01/05/98	<500	---	<100	1300	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-8	05/26/98	<300	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-8	11/03/98	<300	2590	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	05/06/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
WCW-8	11/18/99	<300	1100	---	---	---	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	05/16/00	<300	1500	---	---	---	<0.50	<0.50	<0.50	<0.50	1.8	120	---	---	---	---
WCW-8	08/28/00	<300	1100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.7	<0.50	---	---	---	---
WCW-8	11/30/00	<300	790	---	---	---	0.9	<0.50	<0.50	<0.50	0.8	<0.50	<0.50	---	---	---
WCW-8	02/05/01	<300	940	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	05/09/01	<300	520	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	09/18/01	<300	380	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	11/08/01	<300	220	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	01/30/02	<300	530	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	04/11/02	<300	470	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	10/24/02	<300	360	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-8	04/10/03	61	270	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	10/11/03	<100	430	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	05/10/04	55	160	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	11/03/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/05/05	<50	100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-8	11/05/05	<100	210	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/05/06	<50	110	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	12/05/06	<100	450	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	05/02/07	<50	160	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-8	11/14/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.6	---	---	---	---
WCW-8	10/17/08	<100	---	---	---	230	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
WCW-8	04/21/09	<50	210	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	<10	<1	<1	<1
WCW-8	10/26/09	<100	---	---	---	200	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<10	<2	<2	<2
WCW-8	05/27/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	10/07/10	<100	---	---	---	200	<0.50	---	---	---	<0.50	0.9	3.7 J	---	---	---
WCW-8	04/13/11	<50	130	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.96	<10	<1	<1	<1
WCW-8	10/14/11	---	---	---	---	170	<0.50	<0.50	<0.50	<0.50	<0.50	0.92	<10	<2	<2	<2
WCW-8	04/19/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	0.89	<10	<1	<1	<1
WCW-8	10/18/12	---	---	---	---	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-8	04/11/13	<100	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	<10	<1	<1	<1
WCW-8	10/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	04/13/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	11/06/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-8	10/31/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	05/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-8	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-9	11/22/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
WCW-9	07/08/97	<100	---	<500	---	---	<0.50	1.1	<0.50	1.1	<0.50	<5	---	---	---	---
WCW-9	01/05/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-9	05/19/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-9	11/03/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	05/06/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
WCW-9	11/18/99	<300	<100	---	---	---	<0.50	<1	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	05/16/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	11/30/00	<300	<100	---	---	---	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-9	04/11/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-10	11/25/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
WCW-10	07/08/97	<100	---	<500	---	---	<0.50	2.2	<0.50	<1	<0.50	<5	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-10	01/05/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-10	05/19/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-10	11/04/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-10	05/05/99	<500	---	<500	---	---	<0.50	0.8	<0.50	<0.50	<1	<0.50	---	---	---	---
WCW-10	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	0.8	<0.50	<0.50	---	---	---	---
WCW-10	05/19/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-10	11/30/00	<300	<100	---	---	---	1	<0.50	<0.50	0.7	<0.50	<0.50	---	---	---	---
WCW-10	05/10/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-10	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-10	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-11	11/25/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
WCW-11	07/08/97	<100	---	<500	---	---	<0.50	2.5	<0.50	<1	<0.50	<5	---	---	---	---
WCW-11	01/05/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-11	05/18/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-11	11/03/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-11	05/06/99	<500	---	<500	---	---	<0.50	<0.50	<0.50	<0.50	<1	<0.50	---	---	---	---
WCW-11	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-11	05/18/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-11	11/30/00	<300	<100	---	---	---	0.8	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-11	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-11	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-11	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	11/25/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
WCW-12	07/09/97	<100	---	<500	---	---	<0.50	2.5	<0.50	<1	<0.50	<5	---	---	---	---
WCW-12	01/05/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-12	05/18/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-12	11/03/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	05/06/99	<500	---	<500	---	---	1.4	5.3	<0.50	2.3	<1	<0.50	---	---	---	---
WCW-12	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	05/18/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-12	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	05/10/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	11/03/04	<100	3600	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	03/02/05	<100	<100	---	---	---	<0.50	<1	<1	<1	---	<1	---	---	---	---
WCW-12	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	11/05/05	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	12/08/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	05/01/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-12	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

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 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-12	10/17/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/27/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	05/24/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/07/10	<100	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
WCW-12	04/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/14/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-12	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/08/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-12	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	05/12/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-12	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	11/25/96	<50	---	<500	<500	---	<0.50	<0.50	<0.50	<1.5	<0.50	<5	---	---	---	---
WCW-13	07/09/97	<100	---	<500	---	---	<0.50	<0.50	<0.50	<1	<0.50	<5	---	---	---	---
WCW-13	01/05/98	<500	---	<100	<100	---	<0.50	<0.50	<0.50	<1	<0.50	<0.50	---	---	---	---
WCW-13	05/18/98	---	---	---	---	---	<0.50	<0.50	<0.50	<1	<0.50	1.4	---	---	---	---
WCW-13	11/03/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	05/06/99	<500	---	<500	---	---	0.88	3.1	<0.50	0.87	<1	<0.50	---	---	---	---
WCW-13	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	05/18/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.8	<0.50	---	---	---	---
WCW-13	08/28/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	11/30/00	<300	<100	---	---	---	0.6	<0.50	<0.50	<0.50	1	<0.50	---	---	---	---
WCW-13	02/05/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	0.6	<0.50	---	---	---	---
WCW-13	09/18/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1	<0.50	---	---	---	---
WCW-13	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	01/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	07/30/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-13	01/28/03	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-13	07/30/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	01/28/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	05/10/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	07/20/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	11/03/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	02/03/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	08/02/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	11/05/05	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	02/28/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	09/20/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	12/08/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	03/13/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	05/01/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	08/28/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	02/21/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	08/13/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	10/17/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	02/23/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-13	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	07/20/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/27/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-13	03/15/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	05/24/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	07/12/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/08/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	01/10/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	07/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/11/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	01/09/12	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	07/09/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/16/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	01/14/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/09/13	<50	---	<100	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/22/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
 Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-13	04/18/17	<50	---	450	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	11/07/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-13	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	05/05/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-13	05/04/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	11/03/98	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	---	---	---	---
WCW-14	05/06/99	<500	---	<500	---	---	1.8	6.6	0.55	3	<1	<0.50	---	---	---	---
WCW-14	11/17/99	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	05/18/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	11/30/00	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	05/09/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	11/08/01	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	04/09/02	<300	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	10/24/02	<300	<100	---	---	---	<0.50	<1	<1	<1	<0.50	<1	---	---	---	---
WCW-14	04/09/03	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	05/10/04	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	11/03/04	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	05/05/05	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	11/05/05	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	05/05/06	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	12/08/06	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	05/01/07	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	11/13/07	<100	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	04/18/08	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
WCW-14	10/17/08	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	04/21/09	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/27/09	<100	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	05/25/10	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/07/10	<100	---	---	---	<100	<0.50	---	---	---	<0.50	<0.50	<10	---	---	---
WCW-14	04/12/11	<50	<100	---	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/14/11	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	04/17/12	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/18/12	---	---	---	---	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<2	<2	<2
WCW-14	04/09/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/08/13	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/15/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/28/14	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/23/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1

Attachment D. Historical Analytical Results for TPH, BTEX, 1,2-DCA, MTBE, TBA, DIPE, ETBE, and TAME in Groundwater – November 1996 through Third Quarter 2021
Defense Fuel Support Point, Norwalk, California

Results reported in micrograms per liter (µg/L)																
Well	Date	TPH-g	TPH-fp	TPH-d	TPH-jp ₄	TPH-jp ₅	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
WCW-14	10/21/15	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/12/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/04/16	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/19/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/03/17	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/17/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	11/06/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	11/06/18	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	04/17/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1	<1	<1
WCW-14	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	10/30/19	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	05/06/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	05/06/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	11/03/20	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
WCW-14	05/05/21	<50	---	<50	---	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0

Notes:

TPH-g = total purgeable petroleum hydrocarbons quantified using a gasoline standard

TPH-fp = total extractable petroleum hydrocarbons quantified using a site fuel product standard

TPH-d = total extractable petroleum hydrocarbons quantified using a diesel standard

TPH-jp₄ = total extractable petroleum hydrocarbons quantified as Jet Propellant 4

TPH-jp₅ = total extractable petroleum hydrocarbons quantified as Jet Propellant 5

Xylenes = total of m,p-xylene and o-xylene when detected

1,2-DCA = 1,2-dichloroethane

DIPE = di-isopropyl ether

ETBE = ethyl tertiary butyl ether

MTBE = methyl tertiary butyl ether

TAME = tertiary amyl methyl ether

TBA = tertiary butyl alcohol

< = not detected at or above the laboratory reporting limit shown

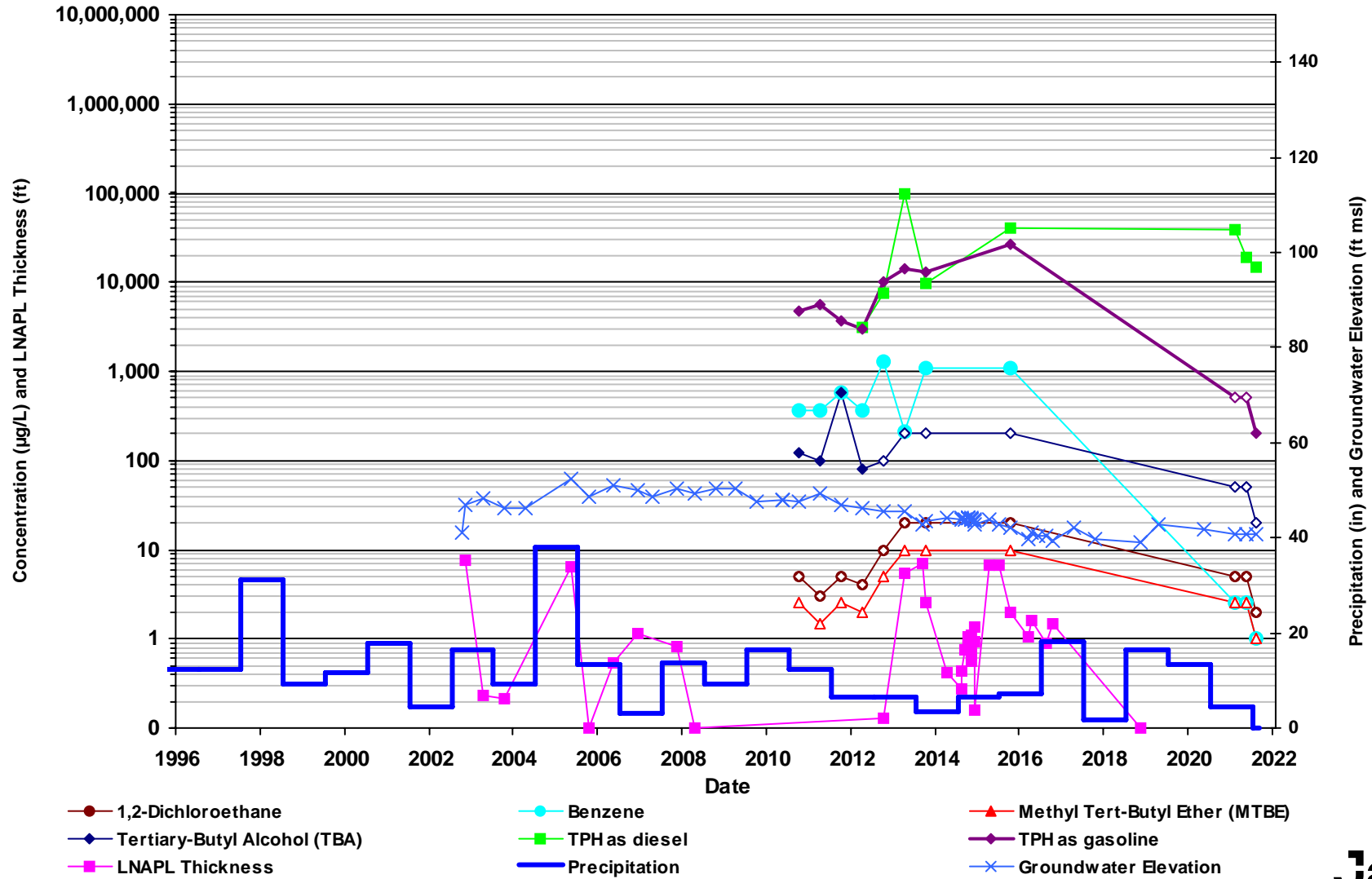
--- = not analyzed

b or HD = Chromatographic pattern was inconsistent with the profile of the reference fuel standard.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Attachment E
Time-Series Charts for
Select Monitoring and Remediation Wells

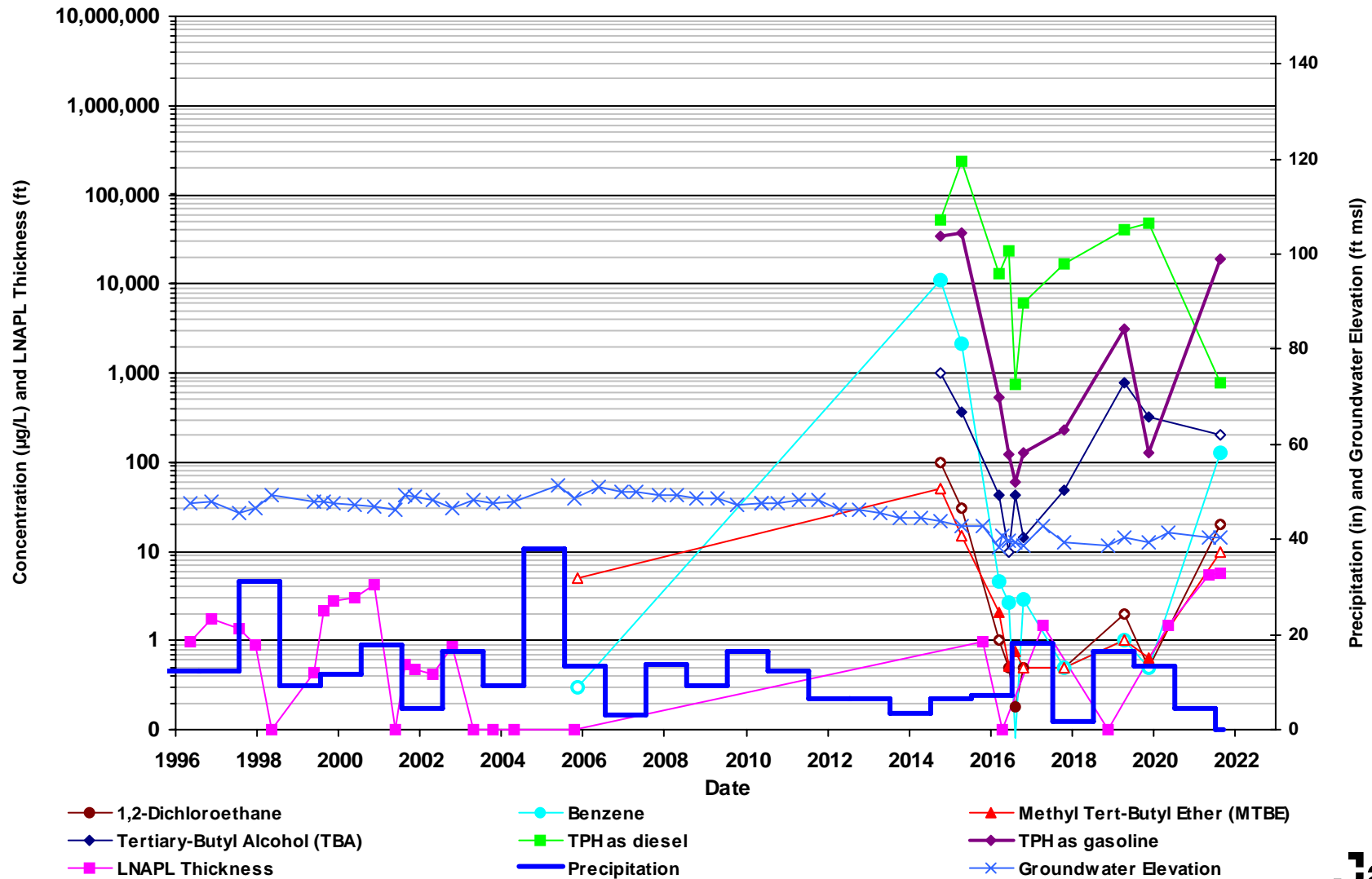
GMW-10



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source: <https://cimis.water.ca.gov/>

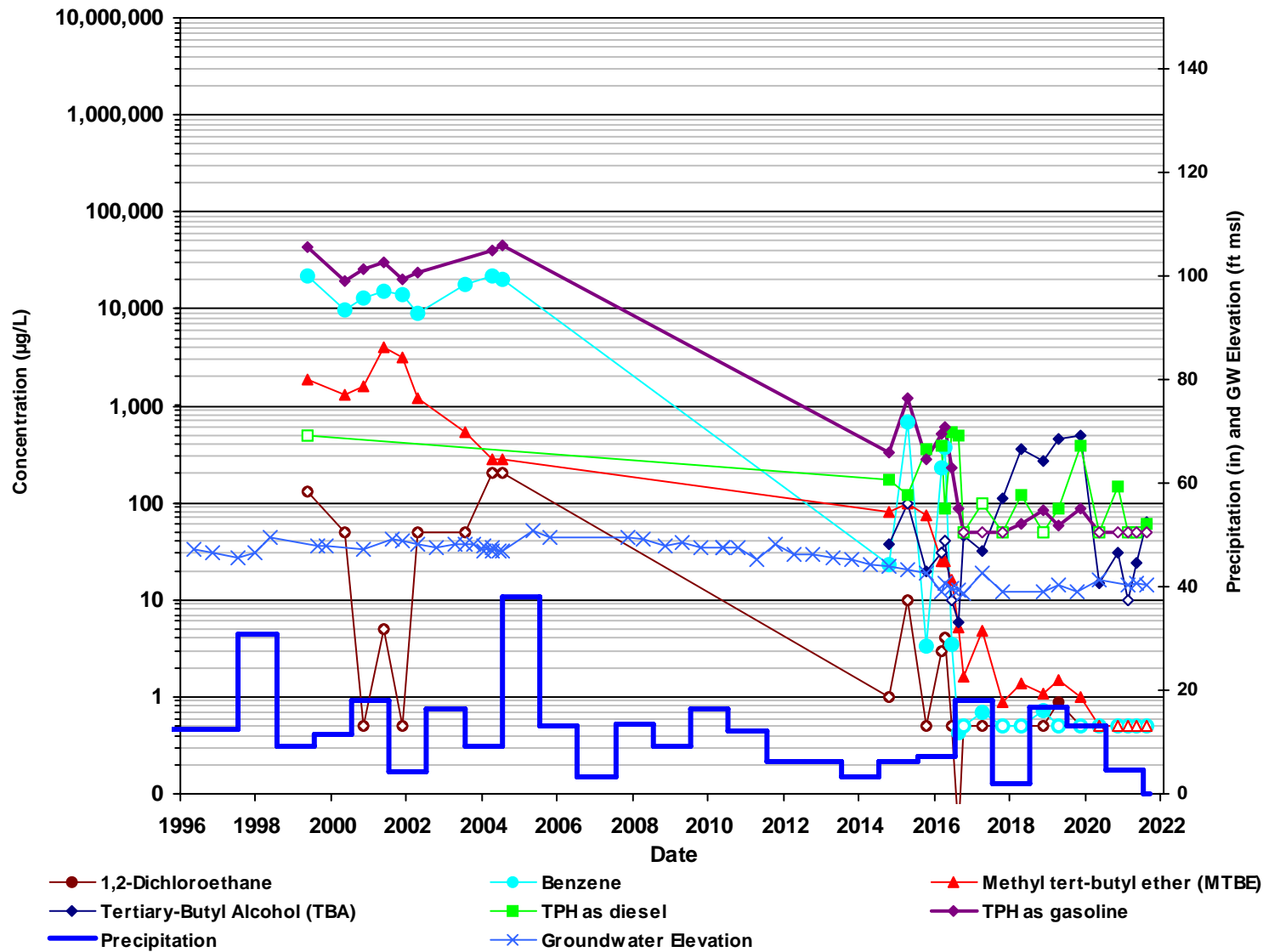
GMW-23



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source:<https://cimis.water.ca.gov/>

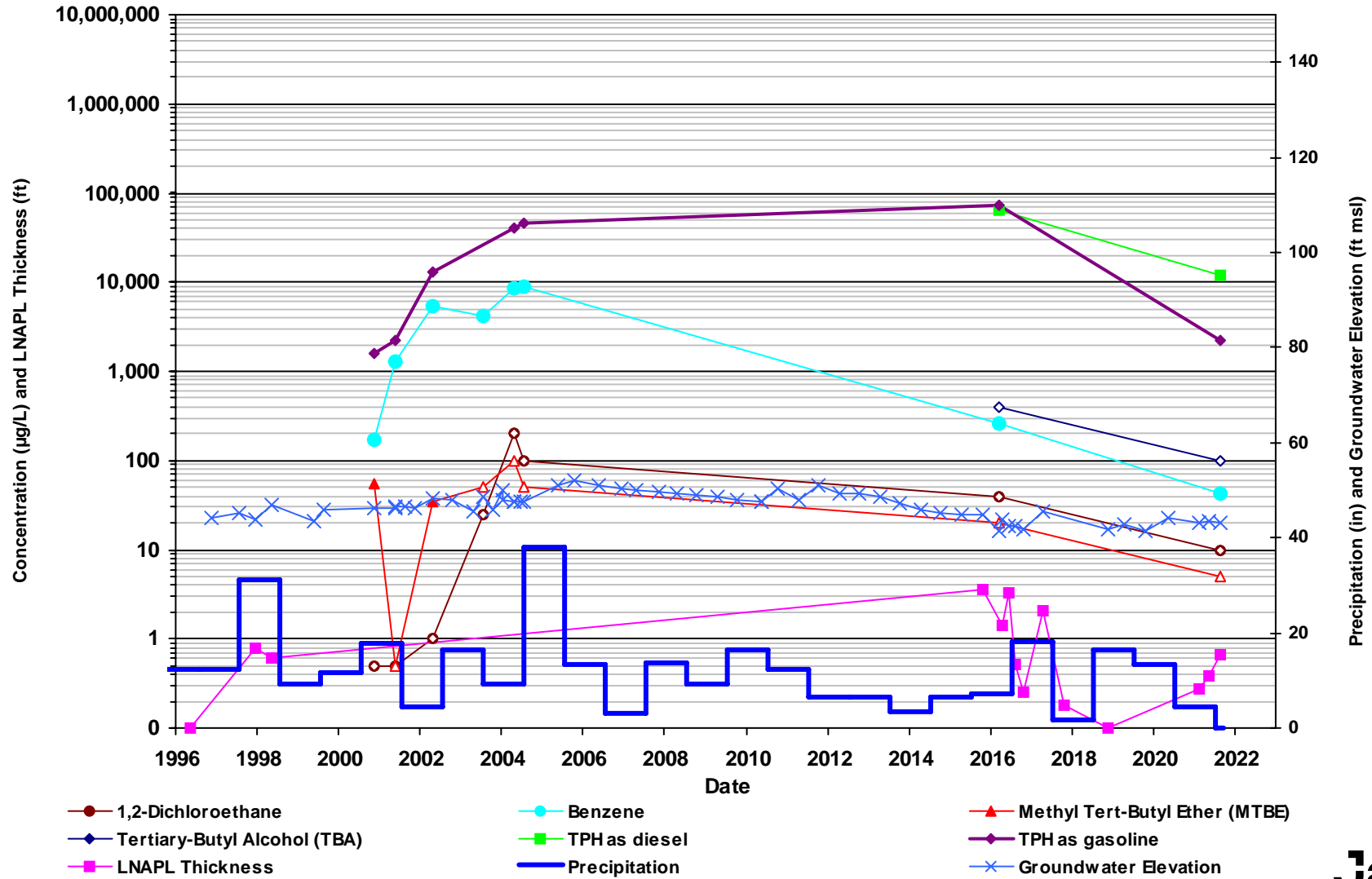
GMW-28



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source: <https://cimis.water.ca.gov/>

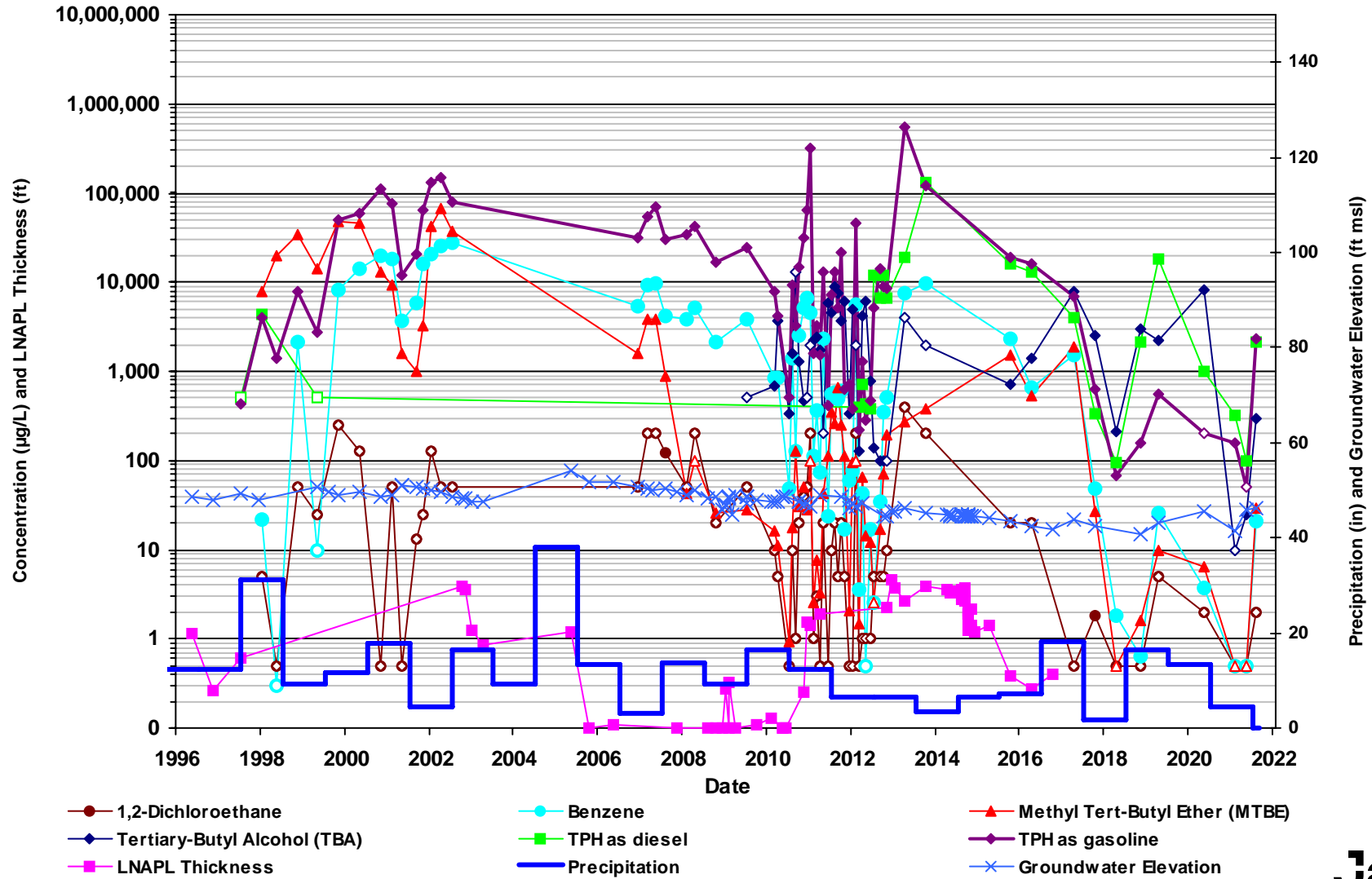
GMW-29



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source:<https://cimis.water.ca.gov/>

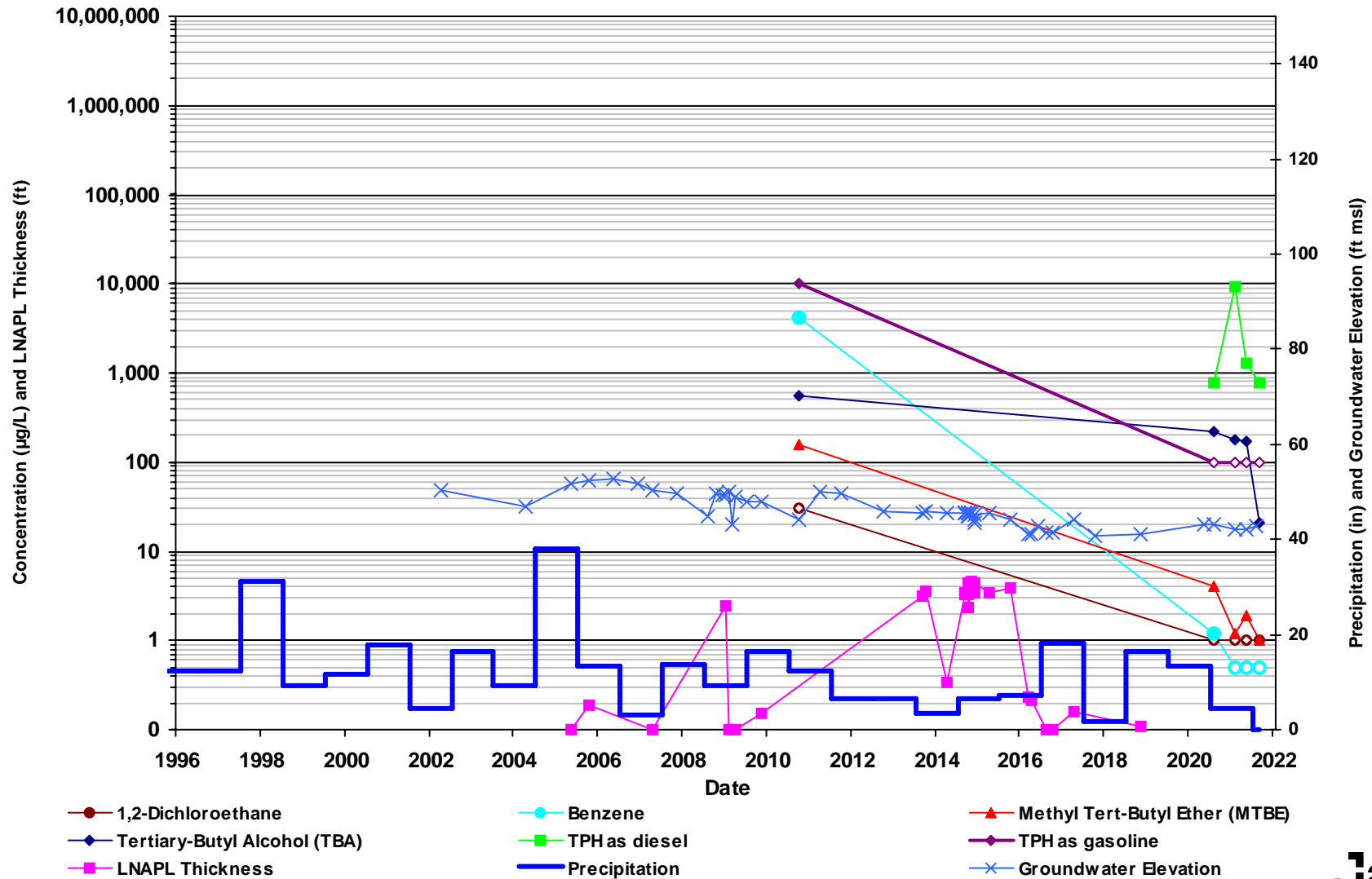
GMW-36



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source: <https://cimis.water.ca.gov/>

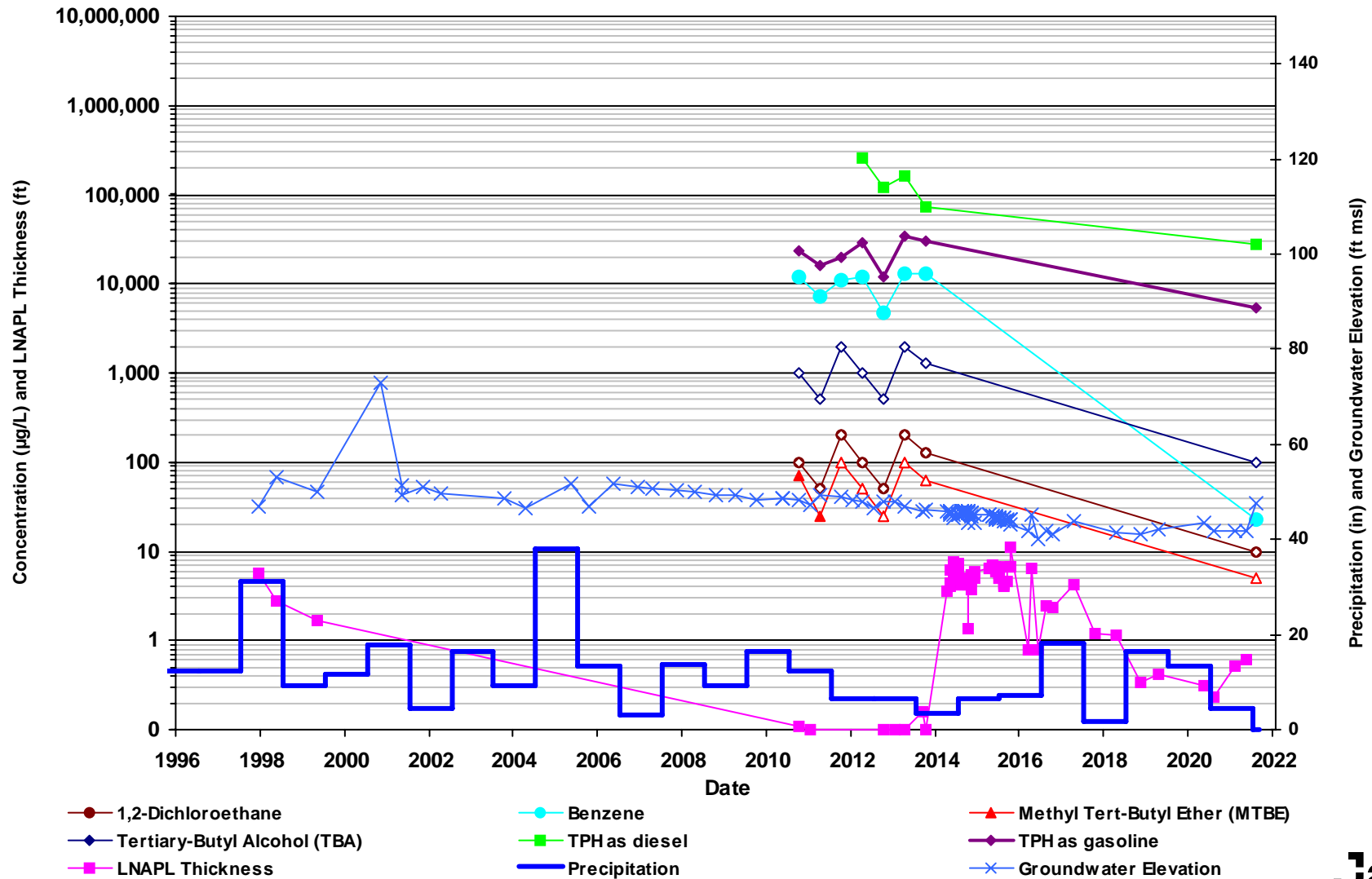
GMW-O-11



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source: <https://cimis.water.ca.gov/>

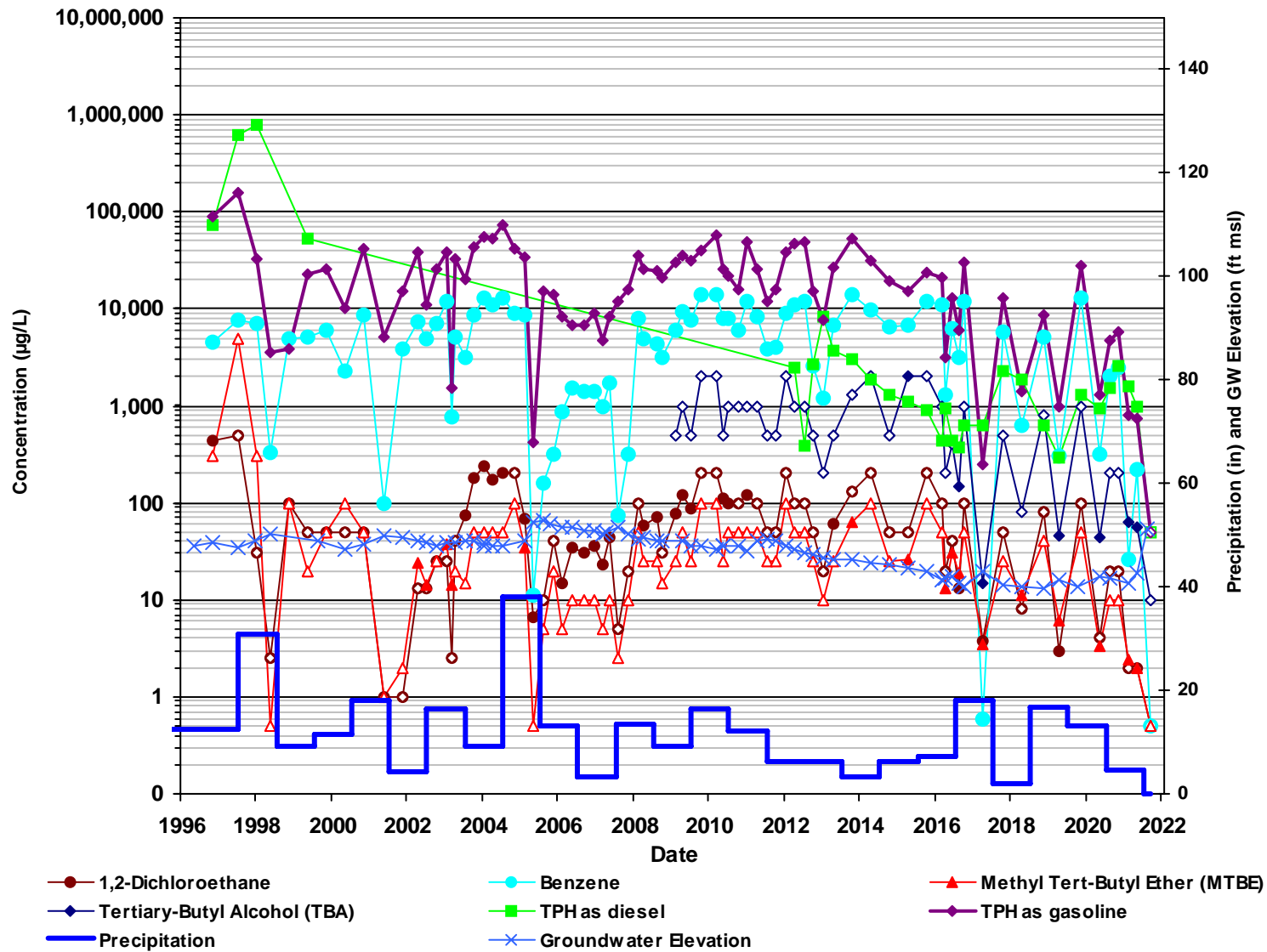
GMW-O-12



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source: <https://cimis.water.ca.gov/>

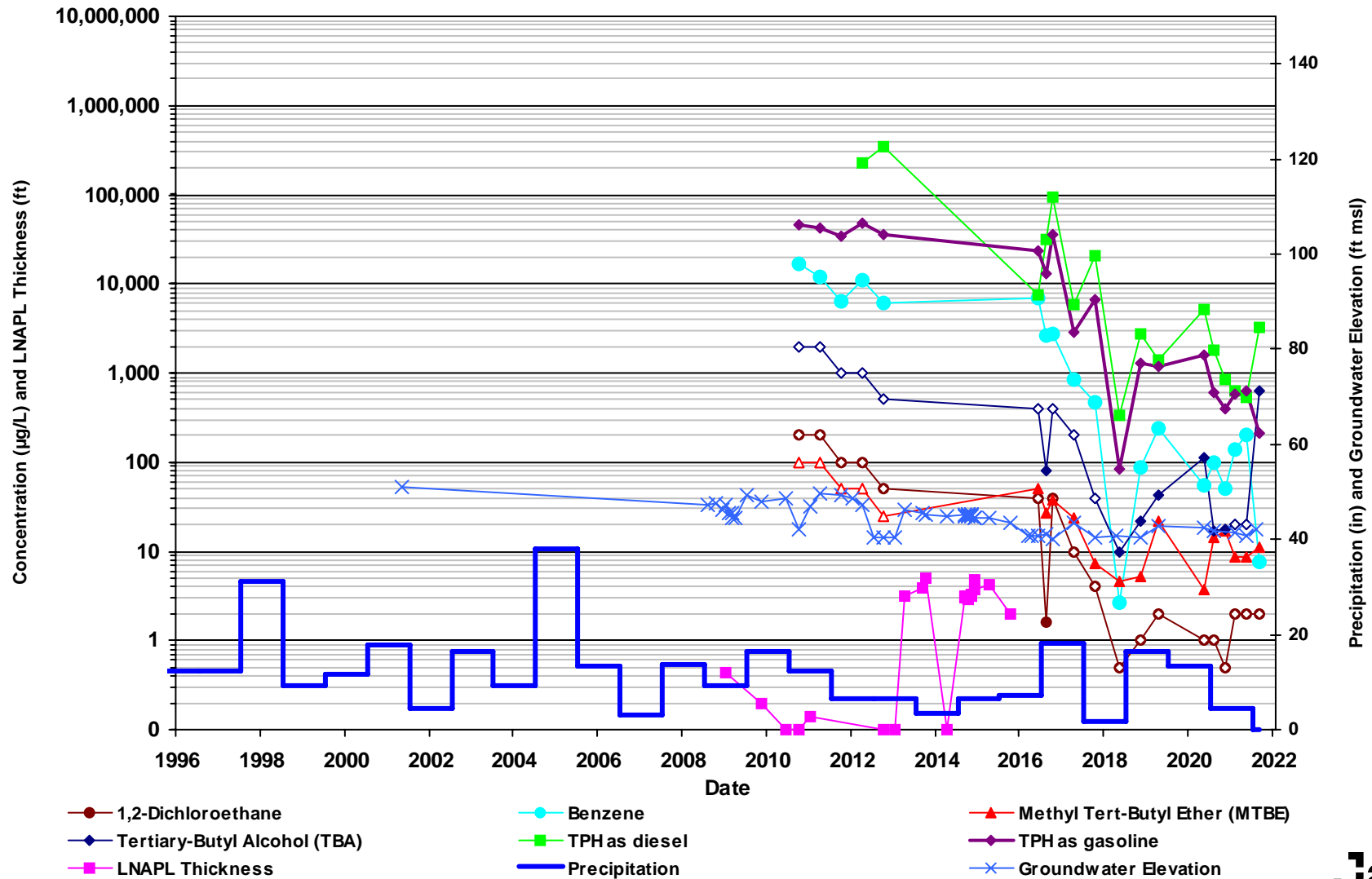
GMW-O-14



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source: <https://cimis.water.ca.gov/>

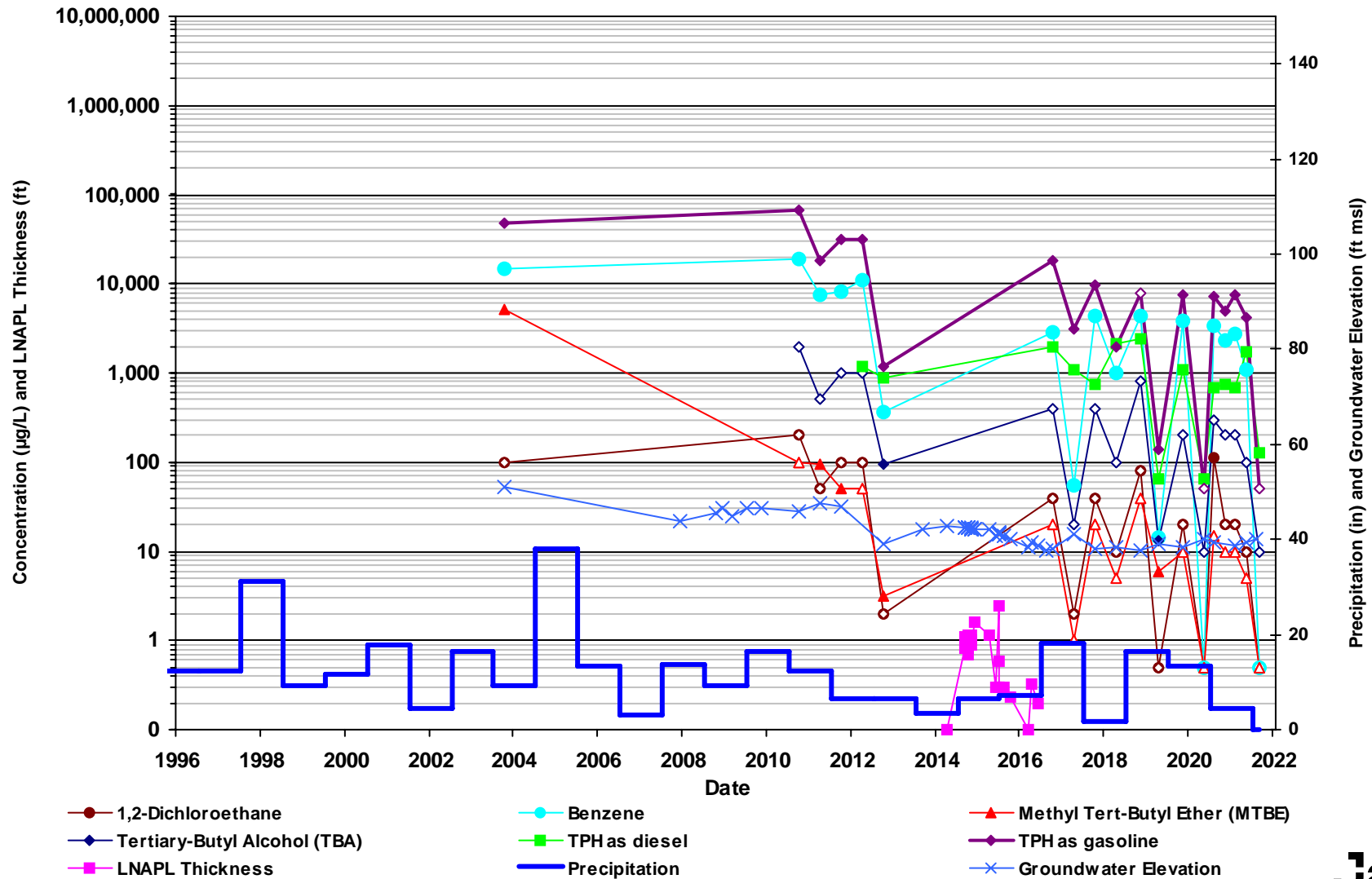
GMW-O-20



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source: <https://cimis.water.ca.gov/>

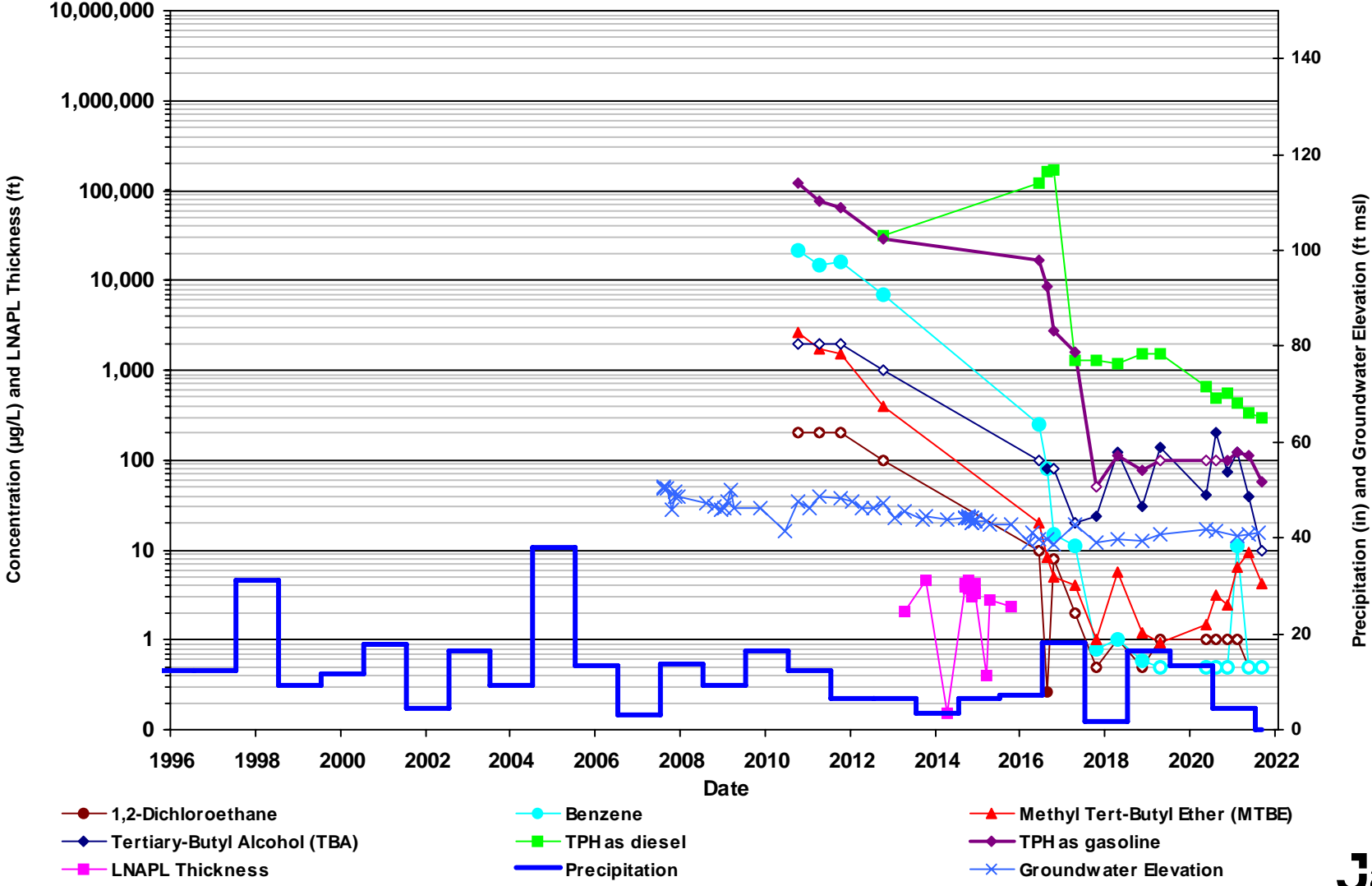
GMW-O-21



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source:<https://cimis.water.ca.gov/>

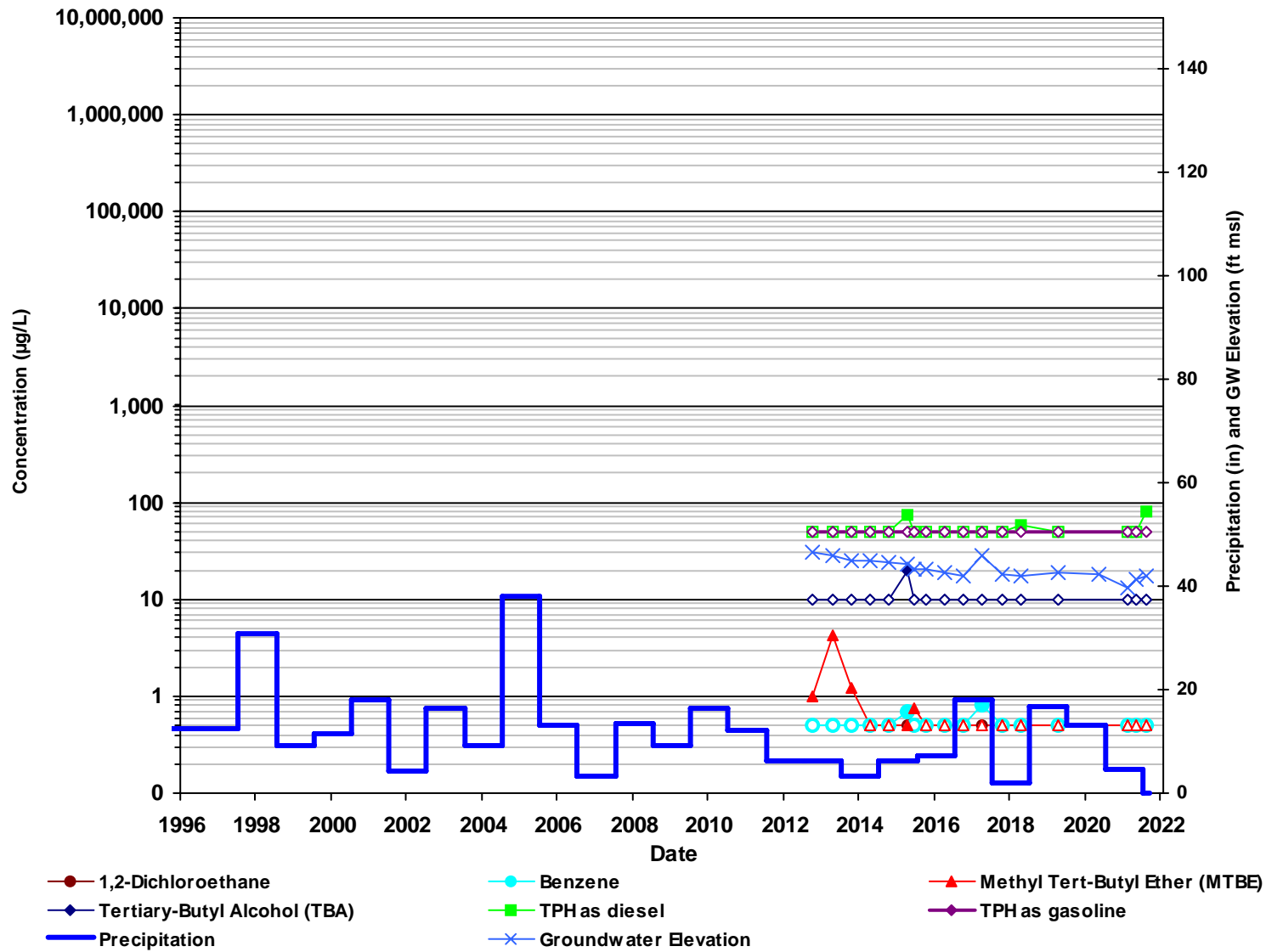
GMW-O-23



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source:<https://cimis.water.ca.gov/>

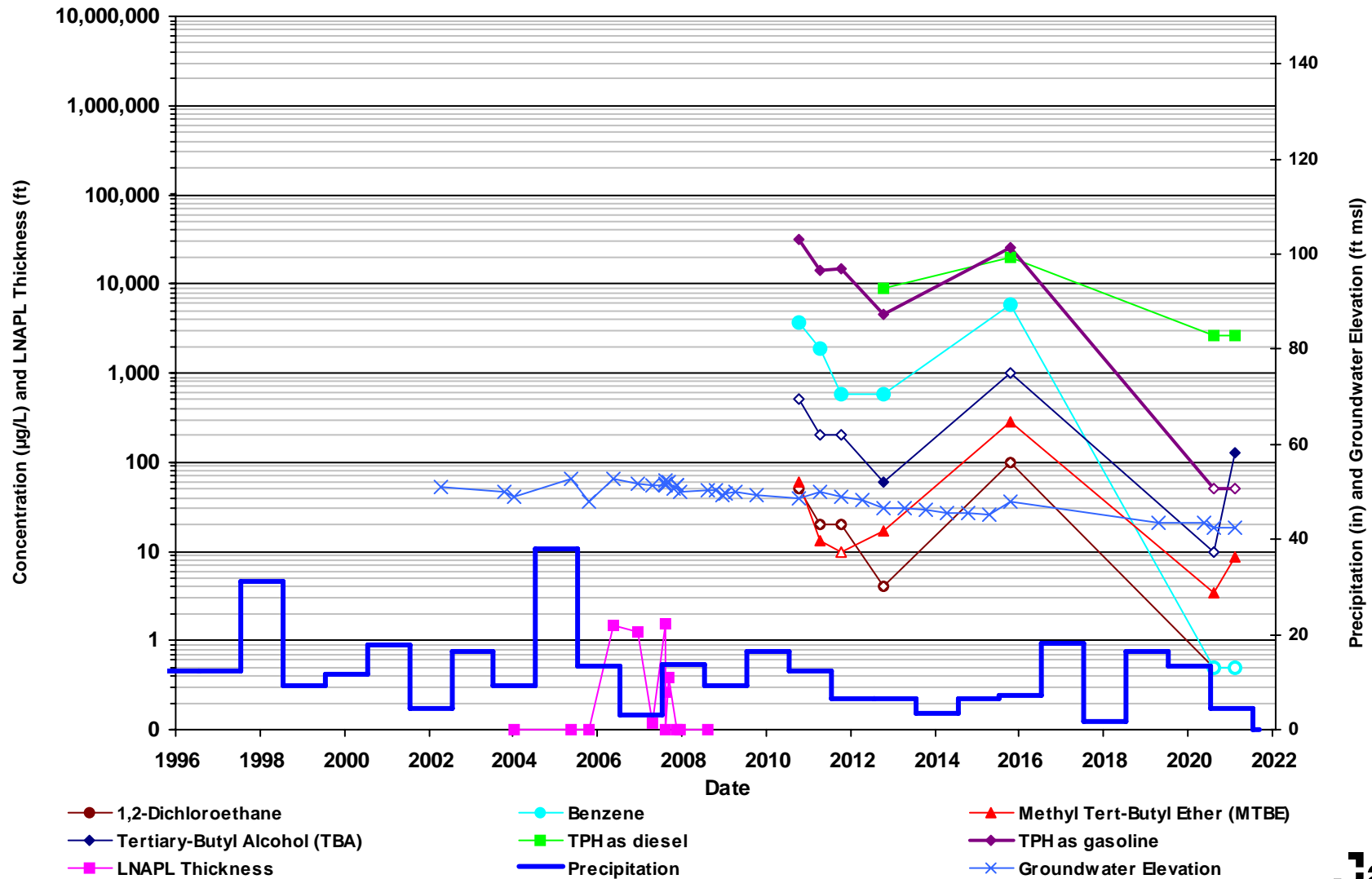
GMW-O-24



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source: <https://cimis.water.ca.gov/>

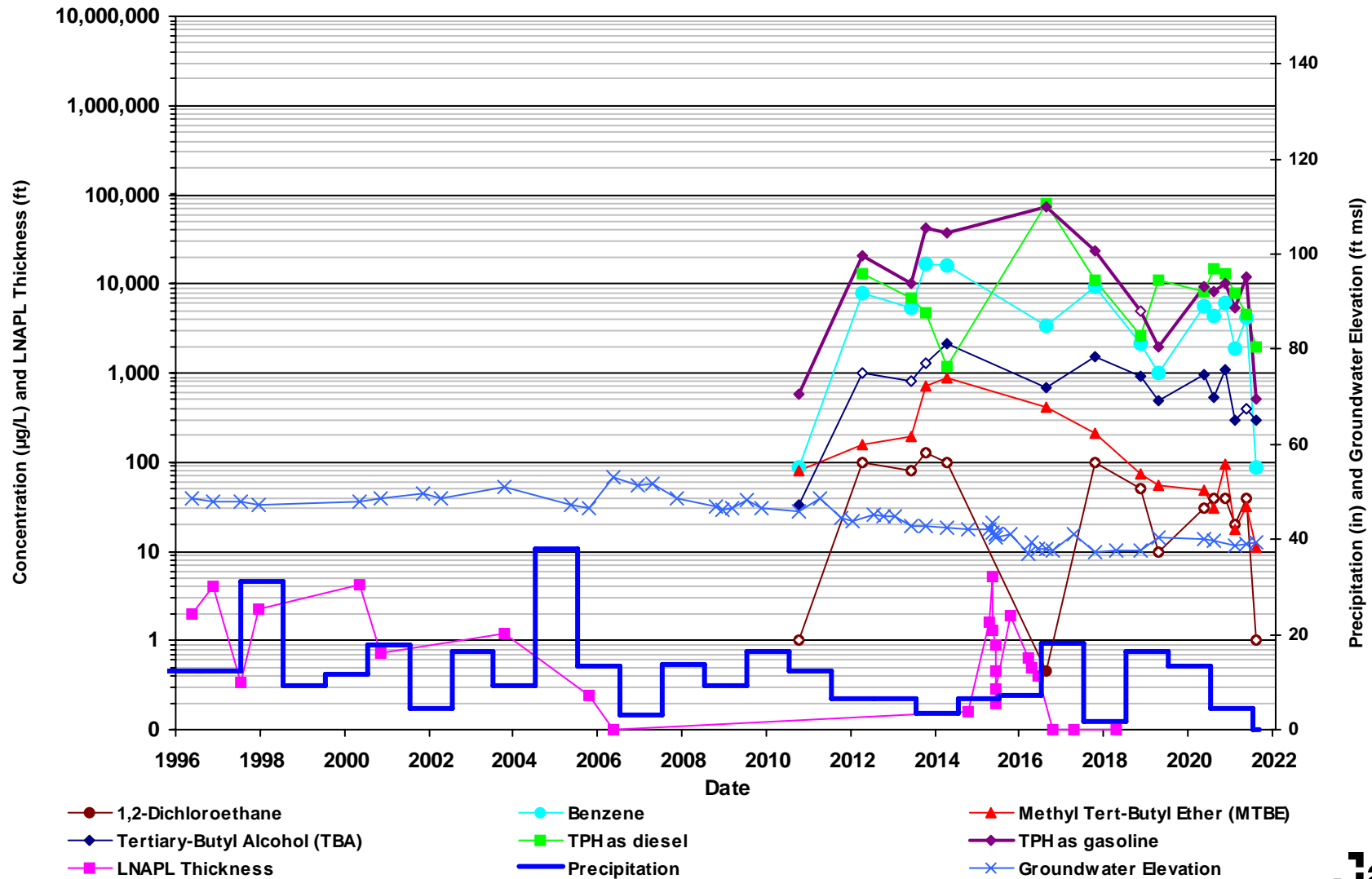
MW-O-1



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source: <https://cimis.water.ca.gov/>

MW-O-2



Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source:<https://cimis.water.ca.gov/>

Attachment F
Statistical Trend Analyses Summary Tables
(TPH-g and Benzene)

Table F-1. Total Gasoline Range Petroleum Hydrocarbons (TPH-g) in Groundwater – Gasoline Range – Statistical Summary

SFPP Norwalk Pump Station, Norwalk, California

Well	Whole Dataset			LAST RESULT DATE	LAST RESULT	HISTORICAL HIGH RESULT DATE	HISTORICAL HIGH RESULT	DIFFERENCE	Whole Dataset			Pre-2010			Post-2010			Post-2016			
	NumObs	% NDs							MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)
bw-1	1	100%		5/24/1997	<100	5/24/1997	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
bw-2	1	100%		5/24/1997	<100	5/24/1997	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
bw-3	1	100%		5/24/1997	<100	5/24/1997	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
bw-4	1	0%		5/28/1997	960.00	5/28/1997	960.00	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
bw-5	1	0%		5/28/1997	150.00	5/28/1997	150.00	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
bw-6	1	100%		5/29/1997	<100	5/29/1997	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
bw-7	1	0%		5/29/1997	200.00	5/29/1997	200.00	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
bw-8	1	100%		5/29/1997	<100	5/29/1997	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
bw-9	1	100%		5/30/1997	<100	5/30/1997	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
exp-1	132	98%		5/6/2021	<100	8/10/1999	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
exp-2	133	99%		5/6/2021	<100	8/10/1999	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
exp-3	134	99%		5/4/2021	<100	8/10/1999	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
exp-4	53	100%		5/4/2021	<50	8/10/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
exp-5	83	100%		5/4/2021	<50	8/10/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gb-21	2	100%		1/24/2011	<50	1/24/2011	<50	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gb-22	2	100%		1/21/2011	<50	1/21/2011	<50	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gb-23	2	100%		1/21/2011	<100	1/21/2011	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-1	55	36%		5/11/2020	<50	7/17/1997	68000.00	99.9%	-978	Decreasing	Decreasing	-336	Decreasing	Decreasing	-112	Decreasing	Decreasing	1	Stable	Stable	
gmw-10	11	18%		8/31/2021	200.00	10/28/2015	27000.00	99.3%	-10	Stable	Stable	N/A	N/A	N/A	-10	Stable	Stable	-2	Stable	Decreasing	
gmw-11	12	33%		4/15/2016	<100	5/20/1998	42400.00	99.8%	-35	Decreasing	Decreasing	-24	Decreasing	Decreasing	0	*	*	0	*	*	*
gmw-12	40	95%		5/6/2021	<100	1/6/1998	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-13	50	98%		5/4/2021	<50	7/10/1997	1300.00	96.2%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-14	31	68%		10/30/2014	<100	11/14/2007	1500.00	93.3%	-152	Decreasing	Stable	-42	Stable	Stable	-13	Stable	Stable	N/A	N/A	N/A	
gmw-14r	10	100%		5/10/2021	<100	5/10/2021	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-15	27	63%		5/7/2021	<100	4/10/2002	1900.00	94.7%	-209	Decreasing	Decreasing	-14	Stable	Stable	-29	Stable	Stable	0	Stable	Stable	
gmw-16	26	100%		5/7/2021	<100	1/6/1998	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-17	12	8%		10/31/2014	510.00	10/24/2002	49000.00	99.0%	-23	Stable	Stable	-1	Stable	Stable	-13	Stable	Stable	N/A	N/A	N/A	
gmw-17r	8	63%		5/4/2021	<100	11/12/2018	1300.00	92.3%	-14	Stable	Stable	N/A	N/A	N/A	-14	Stable	Stable	-14	Stable	Stable	
gmw-18	9	33%		5/7/2021	<100	11/3/2014	15000.00	99.3%	-11	Stable	Stable	0	*	*	-11	Stable	Stable	1	Stable	Stable	
gmw-19	27	81%		5/6/2021	150.00	11/27/1996	3000.00	95.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-2	19	84%		5/26/2010	<50	5/7/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-20	16	81%		4/18/2017	<100	11/27/1996	1100.00	90.9%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-21	12	58%		5/12/2021	<100	11/3/2014	1500.00	93.3%	-41	Decreasing	Decreasing	N/A	N/A	N/A	-41	Decreasing	Decreasing	-20	Decreasing	Stable	
gmw-22	4	0%		10/18/2012	32000.00	4/20/2012	46000.00	30.4%	4	Stable	Stable	N/A	N/A	N/A	4	Stable	Stable	N/A	N/A	N/A	
gmw-23	10	0%		8/31/2021	19000.00	4/23/2015	37000.00	48.6%	-4	Stable	Stable	0	*	*	-4	Stable	Stable	11	Stable	Stable	
gmw-24	2	0%		10/13/2011	58000.00	4/29/2011	70000.00	17.1%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-25	15	33%		5/5/2021	<50	10/13/2011	<20000	99.8%	-52	Decreasing	Decreasing	N/A	N/A	N/A	-52	Decreasing	Decreasing	-17	Stable	Stable	
gmw-26	29	62%		5/6/2021	<50	11/19/1999	6700.00	99.3%	-235	Decreasing	Decreasing	-27	Stable	Stable	0	Stable	Stable	0	Stable	Stable	
gmw-27	37	22%		10/30/2014	<50	11/3/2004	21000.00	99.8%	-319	Decreasing	Decreasing	-37	Stable	Stable	-17	Stable	Stable	N/A	N/A	N/A	
gmw-28	27	30%		8/31/2021	<50	7/8/2004	46000.00	99.9%	-243	Decreasing	Decreasing	8	Stable	Stable	-99	Decreasing	Decreasing	-58	Decreasing	Stable	
gmw-29	8	0%		8/31/2021	2200.00	3/15/2016	74000.00	97.0%	12	Increasing	Increasing	10	Increasing	Increasing	0	*	*	0	*	*	*
gmw-3	41	98%		10/22/2015	<50	5/7/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-30	11	27%		11/6/2020	<50	4/15/2016	14000.00	99.6%	-48	Decreasing	Decreasing	N/A	N/A	N/A	-48	Decreasing	Decreasing	-48	Decreasing	Decreasing	
gmw-31	26	88%		5/6/2021	<100	11/27/1996	1100.00	90.9%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-32	16	50%		10/30/2014	290.00	5/9/2001	1000.00	71.0%	-4	Stable	Stable	12	Stable	Stable	1	Stable	Stable	N/A	N/A	N/A	
gmw-33	12	100%		4/11/2002	<300	1/6/1998	<500	40.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-34	6	50%		4/12/2002	960.00	11/18/1999	9500.00	89.9%	-4	Stable	Stable	-4	Stable	Stable	N/A	N/A	N/A	N/A	N/A	N/A	
gmw-35	1	0%		5/9/2001	20000.00	5/9/2001	20000.00	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-35r	8	13%		5/10/2021	<100	5/11/2020	1200.00	91.7%	7	Stable	Stable	N/A	N/A	N/A	7	Stable	Stable	7	Stable	Stable	
gmw-36	66	3%		8/31/2021	2300.00	4/12/2013	56000.00	99.6%	-715	Decreasing	Decreasing	59	Stable	Stable	-206	Decreasing	Decreasing	-18	Stable	Stable	
gmw-37	60	100%		5/4/2021	<50	5/7/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-38	65	100%		5/4/2021	<50	5/7/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-39	69	96%		5/4/2021	<50	10/15/2008	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-4	19	0%		10/11/2013	1800.00	4/16/2008	16000.00	88.8%	15	Stable	Stable	28	Increasing	Increasing	-1	Stable	Stable	N/A	N/A	N/A	
gmw-40	18	83%		10/5/2016	<100	1/7/1998	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-41	26	92%		5/4/2021	<100	1/7/1998	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-42	21	71%		5/4/2021	<100	11/18/1999	7900.00	98.7%	-125	Decreasing	Decreasing	-21	Decreasing	Decreasing	0	Stable	Stable	0	Stable	Stable	
gmw-43	25	96%		5/10/2021	<100	11/27/1996	620.00	83.9%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-44	27	89%		5/4/2021	<100	11/27/1996	820.00	87.8%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-45	20	0%		5/10/2021	1200.00	11/22/1996	23000.00	94.8%	-28	Stable	Stable	19	Stable	Stable	-2	Stable	Stable	-5	Stable	Stable	
gmw-47	54	57%		5/10/2021	140.00	11/27/1996	9600.00	98.5%	-570	Decreasing	Stable	-290	Decreasing	Decreasing	41	Stable	Stable	26	Increasing	Stable	
gmw-48	16	31%		5/5/2021	<100	11/22/1996	56000.00	99.8%	-100	Decreasing	Decreasing	0	*	*	-85	Decreasing	Decreasing	-35	Decreasing	Decreasing	
gmw-4r	9	78%		5/5/2021	<50	4/19/2018	100.00	50.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-5	15	100%		4/21/2015	<100	1/6/1998	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-50	1	100%		4/14/2016	<100	4/14/2016	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-54	2	100%		4/21/2017	<100	4/21/2017	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-56	23	100%		5/6/2021	<100	4/10/2002	<300	66.7%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-57	49	49%		5/10/2021	<100	5/9/2001	28000.00	99.6%	-676	Decreasing	Decreasing	-338	Decreasing	Decreasing	1	Stable	Stable	6	Stable	Stable	
gmw-58	34	18%		5/5/2021	<100	5/17/2000	21000.00	99.5%	-401	Decreasing	Decreasing	-150	Decreasing	Decreasing	-24	Decreasing	Stable	-3	Stable	Stable	
gmw-59	48	17%		5/10/2021	<100	11/29/2000	67000.00	99.9%	-756	Decreasing	Decreasing	-93	Decreasing	Decreasing	-212	Decreasing	Decreasing	-34	Decreasing	Stable	

Table F-1. Total Gasoline Range Petroleum Hydrocarbons (TPH-g) in Groundwater – Gasoline Range – Statistical Summary

SFPP Norwalk Pump Station, Norwalk, California

Well	Whole Dataset			LAST RESULT DATE	LAST RESULT	HISTORICAL HIGH RESULT DATE	HISTORICAL HIGH RESULT	DIFFERENCE	Whole Dataset			Pre-2010			Post-2010			Post-2016			
	NumObs	% NDs							MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)
gmw-6	33	94%		5/5/2021	<100	11/27/1996	5300.00	98.1%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-60	49	20%		5/5/2021	<100	7/21/2004	15000.00	99.3%	-916	Decreasing	Decreasing	-160	Decreasing	Decreasing	-247	Decreasing	Decreasing	-15	Stable	Stable	
gmw-61	48	23%		5/5/2021	<100	11/3/2004	23000.00	99.6%	-945	Decreasing	Decreasing	-196	Decreasing	Decreasing	-206	Decreasing	Decreasing	-6	Stable	Stable	
gmw-62	18	6%		5/3/2021	1000.00	4/15/2019	17000.00	94.1%	-33	Stable	Stable	-12	Stable	Stable	-18	Decreasing	Stable	-13	Decreasing	Decreasing	
gmw-63	21	100%		5/3/2021	<100	5/3/2021	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-64	21	100%		5/3/2021	<100	5/3/2021	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-65	17	100%		5/3/2021	<100	5/3/2021	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-66	4	100%		10/28/2014	<100	10/28/2014	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-66r	11	100%		5/5/2021	<100	5/5/2021	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-67	12	58%		5/3/2021	<100	10/21/2015	900.00	88.9%	-7	Stable	Stable	N/A	N/A	N/A	-7	Stable	Stable	4	Stable	Stable	
gmw-68	2	0%		4/11/2016	15000.00	10/21/2015	17000.00	11.8%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-69	12	0%		5/3/2021	530.00	4/16/2018	3600.00	85.3%	-33	Decreasing	Decreasing	N/A	N/A	N/A	-33	Decreasing	Decreasing	-24	Decreasing	Stable	
gmw-7	11	0%		5/12/2021	710.00	12/1/2000	52000.00	99.9%	-8	Stable	Stable	0	*	*	2	Stable	Stable	9	Stable	Stable	
gmw-8	45	100%		5/6/2021	<50	5/7/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-9	14	50%		5/6/2021	<50	10/13/2011	61000.00	99.9%	-50	Decreasing	Decreasing	N/A	N/A	N/A	-50	Decreasing	Decreasing	-20	Stable	Stable	
gmw-o-1	81	100%		5/5/2021	<50	8/10/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-10	54	33%		5/5/2021	<50	11/16/1999	32000.00	99.8%	-808	Decreasing	Decreasing	-126	Decreasing	Decreasing	-131	Decreasing	Stable	-38	Decreasing	Stable	
gmw-o-11	5	80%		9/1/2021	<100	10/4/2010	10000.00	99.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-12	8	0%		8/31/2021	5300.00	4/12/2013	34000.00	84.4%	0	Stable	Stable	N/A	N/A	N/A	0	Stable	Stable	0	*	*	
gmw-o-14	79	1%		9/1/2021	<50	7/17/1997	160000.00	100.0%	-681	Decreasing	Decreasing	-9	Stable	Stable	-330	Decreasing	Decreasing	-57	Decreasing	Decreasing	
gmw-o-15	42	2%		11/6/2020	<1000	4/14/2016	370000.00	99.7%	44	Stable	Stable	0	*	*	43	Stable	Stable	-8	Decreasing	Decreasing	
gmw-o-16	81	93%		5/6/2021	<50	5/7/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-17	39	100%		5/4/2021	<50	5/5/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-18	56	30%		5/5/2021	3600.00	4/14/2016	1100000.00	100.0%	270	Increasing	Stable	-20	Stable	Stable	63	Stable	Stable	-5	Stable	Stable	
gmw-o-19	79	95%		5/6/2021	<50	5/5/2005	510.00	90.2%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-2	74	100%		5/5/2021	<50	5/5/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-20	19	0%		9/1/2021	210.00	4/20/2012	48000.00	99.6%	-127	Decreasing	Decreasing	N/A	N/A	N/A	-127	Decreasing	Decreasing	-57	Decreasing	Decreasing	
gmw-o-21	19	16%		9/1/2021	<50	10/8/2010	66000.00	99.9%	-93	Decreasing	Decreasing	0	*	*	-77	Decreasing	Decreasing	-29	Decreasing	Stable	
gmw-o-23	18	22%		9/1/2021	57.00	10/8/2010	120000.00	100.0%	-98	Decreasing	Decreasing	N/A	N/A	N/A	-98	Decreasing	Decreasing	-36	Decreasing	Decreasing	
gmw-o-24	17	100%		8/31/2021	<50	8/31/2021	<50	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-3	83	47%		5/4/2021	130.00	7/14/1997	14000.00	99.1%	-1779	Decreasing	Decreasing	-748	Decreasing	Decreasing	168	Increasing	Stable	35	Increasing	Stable	
gmw-o-4	52	100%		5/4/2021	<50	5/6/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-4 (mid)	31	100%		10/16/2012	<50	5/6/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-5	59	100%		5/4/2021	<50	8/10/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-6	20	100%		4/17/2012	<50	5/5/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-7	1	100%		5/7/1999	<500	5/7/1999	<500	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-8	21	100%		10/16/2012	<50	10/24/2002	<300	83.3%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-9	51	100%		5/5/2021	<50	5/5/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-sf-10	7	71%		10/17/2012	<50	10/10/2003	100.00	50.0%	-9	Stable	Stable	0	*	*	0	Stable	Stable	N/A	N/A	N/A	
gmw-sf-7	59	95%		5/4/2021	<50	7/19/2004	550.00	90.9%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-sf-8	58	98%		5/4/2021	<50	11/18/1999	660.00	92.4%	*	*	*	*	*	*	*	*	*	*	*	*	*
gmw-sf-9	8	88%		10/17/2012	<50	10/12/2011	<100	50.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gw-1	6	100%		4/19/2017	<100	4/19/2017	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gw-13(1")	0	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
gw-13(6")	22	91%		5/4/2021	<100	11/3/2014	1500.00	93.3%	*	*	*	*	*	*	*	*	*	*	*	*	*
gw-14(1")	3	0%		1/13/2010	950.00	1/13/2010	950.00	0.0%	1	Stable	Stable	0	*	*	0	*	*	N/A	N/A	N/A	
gw-14(6")	7	0%		10/31/2014	1700.00	4/17/2014	2200.00	22.7%	8	Stable	Stable	0	*	*	-1	Stable	Stable	N/A	N/A	N/A	
gw-14r	1	0%		10/26/2020	1400.00	10/26/2020	1400.00	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gw-15(6")	13	38%		5/10/2021	<100	11/3/2014	32000.00	99.7%	-58	Decreasing	Decreasing	0	*	*	-50	Decreasing	Decreasing	-24	Decreasing	Decreasing	
gw-16(6")	20	90%		5/5/2021	<100	11/3/2014	25000.00	96.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gw-2	20	90%		5/6/2021	<100	11/3/2014	1800.00	94.4%	*	*	*	*	*	*	*	*	*	*	*	*	*
gw-3	16	100%		5/6/2021	<100	5/6/2021	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gw-4	3	100%		10/10/2016	<100	10/10/2016	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gw-6	22	91%		5/5/2021	<100	11/18/1999	690.00	85.5%	*	*	*	*	*	*	*	*	*	*	*	*	*
gw-7	4	100%		4/19/2017	<100	4/12/2002	<300	66.7%	*	*	*	*	*	*	*	*	*	*	*	*	*
gw-8	15	100%		5/5/2021	<100	5/5/2021	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gwr-1	28	11%		10/30/2014	<100	5/6/2005	16000.00	99.4%	-131	Decreasing	Decreasing	21	Stable	Stable	-24	Decreasing	Decreasing	N/A	N/A	N/A	
gwr-1r	9	100%		5/5/2021	<50	5/5/2021	<50	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
gwr-3	3	33%		10/13/2011	<20000	4/13/2011	25000.00	20.0%	-1	Stable	Stable	N/A	N/A	N/A	-1	Stable	Stable	N/A	N/A	N/A	
hl-2	48	92%		5/6/2021	<50	7/16/1997	1400.00	96.4%	*	*	*	*	*	*	*	*	*	*	*	*	*
hl-3	32	91%		5/5/2021	<50	10/23/2002	<300	83.3%	*	*	*	*	*	*	*	*	*	*	*	*	*
hl-4	16	6%		11/3/2004	200.00	5/7/1999	2800.00	92.9%	-32	Stable	Stable	-32	Stable	Stable	N/A	N/A	N/A	N/A	N/A	N/A	
hl-5	1	0%		7/14/1997	950.00	7/14/1997	950.00	0.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
hp-1	0	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
hp-2	0	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
hp-3	0	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
hp-6	0	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
hp-8	0	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
mw-10	13	100%		4/14/2016	<100	1/6/1998	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*	*
mw-11	5	80%		4/19/2012	220.00	4/10/2002	<300	26.7%	*	*	*	*	*	*	*	*	*	*	*	*	*

Table F-1. Total Gasoline Range Petroleum Hydrocarbons (TPH-g) in Groundwater – Gasoline Range – Statistical Summary

SFPP Norwalk Pump Station, Norwalk, California

Well	Whole Dataset			LAST RESULT DATE	LAST RESULT	HISTORICAL HIGH RESULT DATE	HISTORICAL HIGH RESULT	DIFFERENCE	Whole Dataset			Pre-2010			Post-2010			Post-2016		
	NumObs	% NDs							MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend
mw-12	47	100%		5/6/2021	<50	5/7/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-13	30	97%		5/5/2021	<100	11/22/1996	1100.00	90.9%	*	*	*	*	*	*	*	*	*	*	*	*
mw-14	35	83%		4/19/2017	<100	3/23/2007	670.00	85.1%	*	*	*	*	*	*	*	*	*	*	*	*
mw-15	22	36%		10/31/2014	590.00	4/10/2002	59000.00	99.0%	70	Increasing	Stable	8	Stable	Stable	-6	Stable	Stable	N/A	N/A	N/A
mw-15r	9	56%		5/5/2021	<50	11/5/2020	130.00	61.5%	-2	Stable	Stable	N/A	N/A	N/A	-2	Stable	Stable	-2	Stable	Stable
mw-16	34	94%		5/3/2021	<100	1/6/1998	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-17	30	93%		5/5/2021	<100	1/6/1998	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-18 (mid)	24	58%		5/6/2021	<50	4/13/2011	4100.00	98.8%	-144	Decreasing	Decreasing	3	Stable	Increasing	-115	Decreasing	Decreasing	-47	Decreasing	Stable
mw-19 (mid)	57	58%		5/6/2021	<50	2/3/1999	<10000	99.5%	-988	Decreasing	Decreasing	-341	Decreasing	Decreasing	-43	Stable	Stable	-8	Stable	Stable
mw-20 (mid)	50	86%		5/5/2021	<50	5/7/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-21 (mid)	32	81%		5/5/2021	<50	5/7/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-22 (mid)	43	95%		5/6/2021	<100	8/10/1999	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-23 (mid)	12	83%		10/23/2002	<300	11/21/1996	1400.00	78.6%	*	*	*	*	*	*	*	*	*	*	*	*
mw-24	27	89%		5/4/2021	<100	1/6/1998	700.00	85.7%	*	*	*	*	*	*	*	*	*	*	*	*
mw-25	17	100%		11/7/2019	<100	5/6/1999	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-26	29	45%		5/4/2021	<100	5/16/2000	8400.00	98.8%	-207	Decreasing	Decreasing	16	Stable	Stable	-85	Decreasing	Decreasing	-26	Decreasing	Stable
mw-27	28	89%		5/7/2021	<100	11/18/1999	7200.00	98.6%	*	*	*	*	*	*	*	*	*	*	*	*
mw-28	14	79%		4/20/2017	<100	11/27/1996	1500.00	93.3%	*	*	*	*	*	*	*	*	*	*	*	*
mw-29	25	48%		5/4/2021	<100	5/21/1998	84700.00	99.9%	-221	Decreasing	Decreasing	-24	Decreasing	Decreasing	-61	Decreasing	Stable	0	Stable	Stable
mw-6	49	98%		5/5/2021	<50	5/7/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-7	49	78%		5/5/2021	<50	11/30/2000	590.00	91.5%	*	*	*	*	*	*	*	*	*	*	*	*
mw-8	62	85%		5/4/2021	<50	1/30/2002	1700.00	97.1%	*	*	*	*	*	*	*	*	*	*	*	*
mw-9	37	22%		5/5/2021	<50	5/26/1998	4700.00	98.9%	-427	Decreasing	Decreasing	3	Stable	Stable	-201	Decreasing	Decreasing	-20	Stable	Stable
mw-o-1	7	29%		2/25/2021	<50	10/8/2010	32000.00	99.8%	-12	Decreasing	Decreasing	N/A	N/A	N/A	-12	Decreasing	Decreasing	0	*	*
mw-o-2	15	7%		8/31/2021	520.00	8/23/2016	73000.00	99.3%	-24	Stable	Stable	N/A	N/A	N/A	-24	Stable	Stable	-13	Stable	Stable
mw-sf-1	45	20%		5/6/2021	<100	11/3/2004	34000.00	99.7%	-554	Decreasing	Decreasing	25	Stable	Stable	-158	Decreasing	Decreasing	2	Stable	Stable
mw-sf-10	3	0%		10/13/2011	18000.00	4/14/2011	31000.00	41.9%	-1	Stable	Stable	N/A	N/A	N/A	-1	Stable	Stable	N/A	N/A	N/A
mw-sf-11	5	0%		10/18/2012	77000.00	10/18/2012	77000.00	0.0%	6	Stable	Stable	N/A	N/A	N/A	6	Stable	Stable	N/A	N/A	N/A
mw-sf-12	3	0%		10/13/2011	110000.00	10/13/2011	110000.00	0.0%	3	Stable	Stable	N/A	N/A	N/A	3	Stable	Stable	N/A	N/A	N/A
mw-sf-13	14	57%		5/6/2021	<100	10/14/2011	42000.00	99.8%	-58	Decreasing	Decreasing	N/A	N/A	N/A	-58	Decreasing	Decreasing	-28	Decreasing	Decreasing
mw-sf-14	8	13%		4/15/2016	370.00	10/27/2015	270000.00	99.9%	-14	Stable	Stable	N/A	N/A	N/A	-14	Stable	Stable	0	*	*
mw-sf-15	14	29%		5/6/2021	<100	10/14/2011	35000.00	99.7%	-63	Decreasing	Decreasing	N/A	N/A	N/A	-63	Decreasing	Decreasing	-33	Decreasing	Decreasing
mw-sf-16	6	0%		10/27/2015	3000.00	10/31/2014	100000.00	97.0%	3	Stable	Stable	N/A	N/A	N/A	3	Stable	Stable	N/A	N/A	N/A
mw-sf-2	3	0%		10/13/2011	72000.00	10/5/2010	110000.00	34.5%	-1	Stable	Stable	N/A	N/A	N/A	-1	Stable	Stable	N/A	N/A	N/A
mw-sf-3	4	25%		11/3/2015	280000.00	11/3/2015	280000.00	0.0%	4	Stable	Stable	N/A	N/A	N/A	4	Stable	Stable	N/A	N/A	N/A
mw-sf-4	28	36%		5/6/2021	<50	10/8/2003	40000.00	99.9%	-261	Decreasing	Decreasing	-6	Stable	Stable	-153	Decreasing	Decreasing	-33	Decreasing	Stable
mw-sf-5	6	50%		10/27/2015	270.00	4/13/2011	570.00	52.6%	-8	Stable	Stable	N/A	N/A	N/A	-8	Stable	Stable	N/A	N/A	N/A
mw-sf-6	14	43%		5/6/2021	<200	10/8/2010	59000.00	99.7%	-68	Decreasing	Decreasing	N/A	N/A	N/A	-68	Decreasing	Decreasing	-34	Decreasing	Stable
mw-sf-9	18	11%		4/14/2016	2300.00	3/11/2003	24000.00	90.4%	-34	Stable	Stable	-30	Decreasing	Decreasing	12	Increasing	Stable	0	*	*
po-7	1	100%		11/8/2005	<100	11/8/2005	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*
pw-1	30	97%		11/7/2019	<100	5/6/1999	<500	80.0%	*	*	*	*	*	*	*	*	*	*	*	*
pw-2	33	91%		4/17/2008	<50	8/10/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
pw-3	54	98%		5/6/2021	<50	8/10/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
pz-1	11	36%		4/9/2002	<300	5/6/1999	2000.00	85.0%	8	Stable	Stable	8	Stable	Stable	N/A	N/A	N/A	N/A	N/A	N/A
pz-10	31	68%		4/14/2016	<200	4/22/2004	11000.00	98.2%	-152	Decreasing	Decreasing	-100	Decreasing	Decreasing	11	Stable	Stable	0	*	*
pz-2	19	37%		5/5/2021	<50	4/13/2016	2300.00	97.8%	-87	Decreasing	Decreasing	N/A	N/A	N/A	-87	Decreasing	Decreasing	-64	Decreasing	Decreasing
pz-3	12	33%		5/7/2021	<100	4/18/2014	5300.00	98.1%	-51	Decreasing	Decreasing	0	*	*	-51	Decreasing	Decreasing	-19	Decreasing	Decreasing
pz-5	72	4%		5/5/2021	270.00	5/27/2010	3200000.00	100.0%	681	Increasing	Increasing	67	Increasing	Increasing	-89	Stable	Stable	-19	Stable	Stable
pz-6	4	100%		7/8/2004	<50	5/8/2001	<300	83.3%	*	*	*	*	*	*	*	*	*	*	*	*
pz-7a	3	0%		10/10/2003	240.00	6/13/2003	340.00	29.4%	-1	Stable	Stable	-1	Stable	Stable	N/A	N/A	N/A	N/A	N/A	N/A
pz-7b	3	0%		10/10/2003	90.00	6/13/2003	98.00	8.2%	-1	Stable	Stable	-1	Stable	Stable	N/A	N/A	N/A	N/A	N/A	N/A
pz-8a	4	100%		12/6/2006	<50	12/6/2006	<50	0.0%	*	*	*	*	*	*	*	*	*	*	*	*
pz-8b	4	50%		12/6/2006	<50	10/10/2003	310.00	83.9%	1	Stable	Stable	1	Stable	Stable	N/A	N/A	N/A	N/A	N/A	N/A
pz-9a	3	100%		10/10/2003	<50	10/10/2003	<50	0.0%	*	*	*	*	*	*	*	*	*	*	*	*
pz-9b	3	67%		10/10/2003	<50	6/13/2003	75.00	33.3%	-2	Stable	Decreasing	-2	Stable	Decreasing	N/A	N/A	N/A	N/A	N/A	N/A
rtf-18-n	1	0%		4/24/2017	25000.00	4/24/2017	25000.00	0.0%	*	*	*	*	*	*	*	*	*	*	*	*
rtf-18-nnw	1	0%		4/24/2017	30000.00	4/24/2017	30000.00	0.0%	*	*	*	*	*	*	*	*	*	*	*	*
tf-14	0	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
tf-15	3	0%		5/12/2021	1100.00	5/12/2020	2000.00	45.0%	-1	Stable	Stable	N/A	N/A	N/A	-1	Stable	Stable	-1	Stable	Stable
tf-16	7	0%		5/12/2021	270.00	4/17/2014	6000.00	95.5%	-7	Stable	Stable	0	*	*	-7	Stable	Stable	-1	Stable	Stable
tf-17	3	0%		11/3/2014	2900.00	10/9/2013	18000.00	83.9%	-3	Stable	Decreasing	N/A	N/A	N/A	-3	Stable	Decreasing	N/A	N/A	N/A
tf-17r	3	0%		5/10/2021	8600.00	5/10/2021	8600.00	0.0%	1	Stable	Stable	N/A	N/A	N/A	1	Stable	Stable	1	Stable	Stable
tf-18	4	0%		5/12/2021	27000.00	4/24/2017	54000.00	50.0%	-2	Stable	Stable	N/A	N/A	N/A	-2	Stable	Stable	-2	Stable	Stable
tf-19	1	0%		11/6/2018	710.00	11/6/2018	710.00	0.0%	*	*	*	*	*	*	*	*	*	*	*	*
tf-20r	8	13%		5/10/2021	<100	10/10/2017	1300.00	92.3%	-24	Decreasing	Decreasing	N/A	N/A	N/A	-24	Decreasing	Decreasing	-24	Decreasing	Decreasing
tf-21	16	19%		5/5/2021	<100	4/20/2012	1600.00	93.8%	-93	Decreasing	Decreasing	0	*	*	-93	Decreasing	Decreasing	-38	Decreasing	Decreasing
tf-23	5	0%		5/12/2021	670.00	5/12/2021	670.00	0.0%	6	Stable	Stable	N/A	N/A	N/A	6	Stable	Stable	6	Stable	Stable
tf-24	14	100%		5/12/2021	<100	5/12/2021	<100	0.0%	*	*	*	*	*	*	*	*	*	*	*	*
tf-8	16	94%		5/7/2021	<100	4/18/2014	140.00	28.6%	*	*	*	*	*	*	*	*	*	*	*	*
tf-9	3	0%		10/31/2014	1100.00	4/18/2014	3400.00	67.6%	1	Stable	Stable	N/A	N/A	N/A	1	Stable	Stable	N/A	N/A	N/A

Table F-1. Total Gasoline Range Petroleum Hydrocarbons (TPH-g) in Groundwater – Gasoline Range – Statistical Summary

SFPP Norwalk Pump Station, Norwalk, California

Well	Whole Dataset			LAST RESULT DATE	LAST RESULT	HISTORICAL HIGH RESULT DATE	HISTORICAL HIGH RESULT	DIFFERENCE	Whole Dataset			Pre-2010			Post-2010			Post-2016		
	NumObs	% NDs							MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend
tf-9r	8	63%		5/7/2021	<100	11/12/2018	1500.00	93.3%	-15	Stable	Stable	N/A	N/A	N/A	-15	Stable	Stable	-15	Stable	Stable
wcw-1	30	100%		4/17/2012	<50	8/10/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-10	11	100%		4/9/2002	<300	5/5/1999	<500	40.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-11	11	100%		4/9/2002	<300	5/6/1999	<500	40.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-12	47	100%		5/4/2021	<50	5/6/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-13	74	100%		5/4/2021	<50	5/6/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-14	45	100%		5/5/2021	<50	5/6/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-2	56	100%		5/4/2021	<50	8/10/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-3	80	98%		5/4/2021	<50	2/3/1999	<1000	95.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-4	48	100%		5/4/2021	<50	5/6/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-5	48	100%		5/4/2021	<50	5/5/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-6	48	98%		5/4/2021	<50	5/6/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-7	73	95%		5/5/2021	<50	10/12/2011	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-8	52	94%		5/5/2021	<50	5/6/1999	<500	90.0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-9	11	100%		4/11/2002	<300	5/6/1999	<500	40.0%	*	*	*	*	*	*	*	*	*	*	*	*

Notes:

*Valid statistical trend analysis requires 3 or more observations, with less than 75% nondetect values per well.

Stable = Trend in well is not statistically significant in a positive or negative direction, and therefore illustrates stability.

Increasing = Statistically significant increasing trend observed in the data over time.

Decreasing = Statistically significant decreasing trend observed in the data over time.

N/A = not available

ND = nondetect

MK = Mann-Kendall

S = MK test statistical value; the greater the value, both positive and negative, the greater the magnitude of the trend.

TS = Theil-Sen

Table F-2. Benzene in Groundwater – Statistical Summary
SFPP Norwalk Pump Station, Norwalk, California

Well	Whole Dataset							Whole Dataset			Pre-2010			Post-2010			Post-2016		
	NumObs	% NDs	LAST RESULT DATE	LAST RESULT	HISTORICAL HIGH RESULT DATE	HISTORICAL HIGH RESULT	DIFFERENCE	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend
bw-1	1	100%	5/24/1997	<0.3	5/24/1997	<0.3	0%	*	*	*	*	*	*	*	*	*	*	*	*
bw-2	1	100%	5/24/1997	<0.3	5/24/1997	<0.3	0%	*	*	*	*	*	*	*	*	*	*	*	*
bw-3	1	100%	5/24/1997	<0.3	5/24/1997	<0.3	0%	*	*	*	*	*	*	*	*	*	*	*	*
bw-4	1	0%	5/28/1997	160	5/28/1997	160	0%	*	*	*	*	*	*	*	*	*	*	*	*
bw-5	1	100%	5/28/1997	<0.3	5/28/1997	<0.3	0%	*	*	*	*	*	*	*	*	*	*	*	*
bw-6	1	0%	5/29/1997	4	5/29/1997	4	0%	*	*	*	*	*	*	*	*	*	*	*	*
bw-7	1	0%	5/29/1997	1	5/29/1997	1	0%	*	*	*	*	*	*	*	*	*	*	*	*
bw-8	1	100%	5/29/1997	<0.3	5/29/1997	<0.3	0%	*	*	*	*	*	*	*	*	*	*	*	*
bw-9	1	100%	5/30/1997	<0.3	5/30/1997	<0.3	0%	*	*	*	*	*	*	*	*	*	*	*	*
exp-1	135	97%	5/6/2021	<0.5	7/10/1997	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
exp-2	137	97%	5/6/2021	<0.5	7/10/1997	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
exp-3	138	98%	5/4/2021	<0.5	7/10/1997	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
exp-4	53	96%	5/4/2021	<0.5	8/10/1999	50	99%	*	*	*	*	*	*	*	*	*	*	*	*
exp-5	83	98%	5/4/2021	<0.5	8/10/1999	21	98%	*	*	*	*	*	*	*	*	*	*	*	*
gb-21	2	100%	1/24/2011	<0.5	1/24/2011	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gb-22	2	100%	1/21/2011	<0.5	1/21/2011	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gb-23	2	100%	1/21/2011	<0.5	1/21/2011	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-1	56	41%	5/11/2020	<0.5	11/27/1996	13000	100%	-1028	Decreasing	Decreasing	-373	Decreasing	Decreasing	-79	Decreasing	Decreasing	1	Stable	Stable
gmw-10	11	27%	8/31/2021	<1	10/19/2012	1300	100%	-18	Stable	Stable	N/A	N/A	N/A	-18	Stable	Stable	-2	Stable	Decreasing
gmw-11	13	92%	4/15/2016	<0.5	11/17/1998	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-12	49	96%	5/6/2021	1	7/10/1997	<5	86%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-13	52	94%	5/4/2021	<0.5	11/21/1996	3	84%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-14	32	94%	10/30/2014	<0.5	4/16/2010	160	100%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-14r	10	100%	5/10/2021	<0.5	5/10/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-15	48	83%	5/7/2021	<0.5	5/20/1998	4	87%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-16	46	96%	5/7/2021	<0.5	7/9/1997	6	91%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-17	25	0%	10/31/2014	10	4/14/2003	572	98%	-65	Stable	Stable	-63	Decreasing	Decreasing	-14	Stable	Stable	N/A	N/A	N/A
gmw-17r	8	50%	5/4/2021	<0.5	10/9/2017	64	99%	-20	Decreasing	Decreasing	N/A	N/A	N/A	-20	Decreasing	Decreasing	-20	Decreasing	Decreasing
gmw-18	23	13%	5/7/2021	<0.5	4/14/2003	3410	100%	-181	Decreasing	Decreasing	-82	Decreasing	Decreasing	-11	Stable	Stable	1	Stable	Stable
gmw-19	47	51%	5/6/2021	52	4/16/2010	130	60%	508	Increasing	Increasing	92	Increasing	Stable	20	Stable	Stable	15	Stable	Stable
gmw-2	20	60%	5/26/2010	<0.5	11/21/1996	6500	100%	-70	Decreasing	Stable	-62	Decreasing	Stable	0	*	*	N/A	N/A	N/A
gmw-20	16	100%	4/18/2017	<0.5	7/10/1997	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-21	12	83%	5/12/2021	<0.5	11/3/2014	11	95%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-22	4	0%	10/18/2012	16000	4/20/2012	20000	20%	4	Stable	Stable	N/A	N/A	N/A	4	Stable	Stable	N/A	N/A	N/A
gmw-23	11	36%	8/31/2021	130	10/31/2014	11000	99%	-10	Stable	Stable	0	*	*	-18	Stable	Stable	-1	Stable	Stable
gmw-24	2	0%	10/13/2011	23000	10/13/2011	23000	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-25	15	73%	5/5/2021	<0.5	10/13/2011	9700	100%	-32	Stable	Stable	N/A	N/A	N/A	-32	Stable	Stable	3	Stable	Stable
gmw-26	31	71%	5/6/2021	<0.5	11/19/1999	3700	100%	-153	Decreasing	Stable	-38	Decreasing	Stable	5	Stable	Stable	7	Stable	Stable
gmw-27	37	27%	10/30/2014	<0.5	11/3/2004	8800	100%	-298	Decreasing	Decreasing	-34	Stable	Stable	-7	Stable	Stable	N/A	N/A	N/A
gmw-28	28	36%	8/31/2021	<0.5	4/28/2004	22000	100%	-240	Decreasing	Decreasing	9	Stable	Stable	-78	Decreasing	Stable	-39	Decreasing	Stable
gmw-29	8	0%	8/31/2021	42	7/8/2004	8900	100%	2	Stable	Stable	13	Increasing	Increasing	0	*	*	0	*	*
gmw-3	43	95%	10/22/2015	<0.5	11/25/1996	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-30	11	18%	11/6/2020	<0.5	4/15/2016	3600	100%	-44	Decreasing	Decreasing	N/A	N/A	N/A	-44	Decreasing	Decreasing	-44	Decreasing	Decreasing
gmw-31	47	89%	5/6/2021	<0.5	11/6/1998	5	90%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-32	38	63%	10/30/2014	<0.5	11/27/1996	13	96%	-106	Stable	Stable	-68	Stable	Stable	-1	Stable	Stable	N/A	N/A	N/A
gmw-33	13	100%	4/11/2002	<0.5	7/10/1997	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-34	6	67%	4/12/2002	240	4/12/2002	240	0%	1	Stable	Stable	1	Stable	Stable	N/A	N/A	N/A	N/A	N/A	N/A
gmw-35	14	0%	4/16/2010	180	5/9/2001	1300	86%	-13	Stable	Stable	-24	Stable	Stable	0	*	*	N/A	N/A	N/A
gmw-35r	8	25%	5/10/2021	<0.5	5/11/2020	120	100%	0	Stable	Stable	N/A	N/A	N/A	0	Stable	Stable	0	Stable	Stable
gmw-36	65	9%	8/31/2021	21	7/30/2002	28000	100%	-884	Decreasing	Decreasing	20	Stable	Stable	-288	Decreasing	Decreasing	-24	Decreasing	Decreasing
gmw-37	61	98%	5/4/2021	<0.5	5/7/1999	1	55%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-38	67	99%	5/4/2021	<0.5	11/26/1996	2	72%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-39	72	99%	5/4/2021	<0.5	10/15/2008	<2.5	80%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-4	19	0%	10/11/2013	24	4/17/2008	290	92%	12	Stable	Stable	31	Increasing	Increasing	-9	Stable	Stable	N/A	N/A	N/A
gmw-40	32	72%	10/5/2016	<0.5	4/16/2003	5	90%	-7	Stable	Stable	16	Stable	Stable	-4	Stable	Stable	0	*	*
gmw-41	47	100%	5/4/2021	<0.5	7/10/1997	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-42	21	71%	5/4/2021	<0.5	5/27/1999	1100	100%	-71	Decreasing	Stable	-19	Decreasing	Decreasing	0	Stable	Stable	0	Stable	Stable
gmw-43	46	96%	5/10/2021	<0.5	4/14/2003	<1	50%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-44	48	96%	5/4/2021	<0.5	4/14/2003	<1	50%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-45	41	2%	5/10/2021	1	11/22/1996	1100	100%	-410	Decreasing	Decreasing	-165	Decreasing	Decreasing	-21	Stable	Stable	-1	Stable	Stable
gmw-47	70	46%	5/10/2021	<0.5	5/17/2000	2300	100%	-1101	Decreasing	Decreasing	-374	Decreasing	Decreasing	16	Stable	Stable	5	Stable	Stable
gmw-48	16	31%	5/5/2021	<0.5	11/22/1996	10000	100%	-100	Decreasing	Decreasing	0	*	*	-85	Decreasing	Decreasing	-34	Decreasing	Decreasing
gmw-4r	9	67%	5/5/2021	<0.5	4/18/2017	6	92%	-21	Decreasing	Stable	N/A	N/A	N/A	-21	Decreasing	Stable	-21	Decreasing	Stable
gmw-5	16	100%	4/21/2015	<0.5	4/21/2015	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-50	2	0%	4/14/2016	35	1/10/2012	48	27%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-54	2	100%	4/21/2017	<0.5	4/21/2017	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-56	39	100%	5/6/2021	<0.5	5/6/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-57	65	60%	5/10/2021	<0.5	11/7/2001	3900	100%	-952	Decreasing	Stable	-356	Decreasing	Decreasing	-24	Stable	Stable	6	Stable	Stable
gmw-58	46	9%	5/5/2021	<0.5	5/17/2000	3500	100%	-639	Decreasing	Decreasing	-127	Decreasing	Decreasing	-98	Decreasing	Decreasing	-8	Stable	Stable
gmw-59	55	9%	5/10/2021	<0.5	11/29/2000	3500	100%	-560	Decreasing	Decreasing	48	Stable	Stable	-237	Decreasing	Decreasing	-35	Decreasing	Decreasing
gmw-6	54	81%	5/5/2021	<0.5	8/31/2007	400	100%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-60	51	18%	5/5/2021	<0.5	11/3/2004	1700	100%	-906	Decreasing	Decreasing	-131	Decreasing	Decreasing	-299	Decreasing	Decreasing	-15	Stable	Stable
gmw-61	50	20%	5/5/2021	<0.5	3/2/2005	2700	100%	-944	Decreasing	Decreasing	-175	Decreasing	Decreasing	-161	Decreasing	Decreasing	-19	Stable	Stable
gmw-62	19	5%	5/3/2021	13	1/12/2010	3900	100%	-63	Decreasing	Decreasing	-3	Stable	Stable	-31	Decreasing	Decreasing	-13	Decreasing	Decreasing
gmw-63	34	97%	5/3/2021	<0.5	5/3/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-64	34	100%	5/3/2021	<0.5	5/3/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-65	30	97%	5/3/2021	<0.5	5/3/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-66	11	100%	10/28/2014	<0.5	10/28/2014	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-66r	11	100%	5/5/2021	<0.5	5/5/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-67	12	33%	5/3/2021	<0.5	10/21/2015	71	99%	-39	Decreasing	Decreasing	N/A	N/A	N/A	-39	Decreasing	Decreasing	-28	Decreasing	Stable
gmw-68	2	0%	4/11/2016	2300	4/11/2016	2300	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-69	13	8%	5/3/2021	28	10/25/2017	870	97%	-36	Decreasing	Decreasing	N/A	N/A	N/A	-36	Decreasing	Decreasing	-28	Decreasing	Decreasing

Table F-2. Benzene in Groundwater – Statistical Summary
SFPP Norwalk Pump Station, Norwalk, California

Well	Whole Dataset			LAST RESULT DATE	LAST RESULT	HISTORICAL HIGH RESULT DATE	HISTORICAL HIGH RESULT	DIFFERENCE	Whole Dataset			Pre-2010			Post-2010			Post-2016		
	NumObs	% NDs							MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend
gmw-7	12	25%		5/12/2021	100	12/1/2000	4800	98%	9	Stable	Stable	0	*	*	10	Stable	Stable	13	Stable	Stable
gmw-8	47	96%		5/6/2021	<0.5	5/5/1999	2	75%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-9	14	57%		5/6/2021	<0.5	4/13/2011	20000	100%	-53	Decreasing	Decreasing	N/A	N/A	N/A	-53	Decreasing	Decreasing	-21	Stable	Stable
gmw-o-1	82	99%		5/5/2021	<0.5	11/6/2001	11	95%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-10	55	38%		5/5/2021	<0.5	11/16/1999	8300	100%	-753	Decreasing	Decreasing	-77	Stable	Stable	-76	Decreasing	Stable	-16	Stable	Stable
gmw-o-11	5	60%		9/1/2021	<0.5	10/4/2010	4200	100.0%	-7	Stable	Decreasing	N/A	N/A	N/A	-7	Stable	Decreasing	-3	Stable	Stable
gmw-o-12	8	0%		8/31/2021	23	10/11/2013	13000	99.8%	0	Stable	Stable	N/A	N/A	N/A	0	Stable	Stable	0	*	*
gmw-o-14	79	1%		9/1/2021	<0.5	10/11/2013	14000	100.0%	-97	Stable	Stable	0	Stable	Stable	-252	Decreasing	Decreasing	-54	Decreasing	Decreasing
gmw-o-15	42	5%		11/6/2020	<5	10/27/2015	12000	100%	-14	Stable	Stable	0	*	*	5	Stable	Stable	-4	Stable	Stable
gmw-o-16	82	83%		5/6/2021	<0.5	11/27/1996	570	100%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-17	41	98%		5/4/2021	<0.5	5/5/1999	1	22%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-18	57	60%		5/5/2021	<2	4/14/2016	53000	100%	103	Stable	Stable	-27	Stable	Stable	64	Stable	Stable	-13	Decreasing	Decreasing
gmw-o-19	80	95%		5/6/2021	<0.5	5/5/2005	110	100%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-2	74	100%		5/5/2021	<0.5	5/5/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-20	19	0%		9/1/2021	8	10/5/2010	17000	100.0%	-123	Decreasing	Decreasing	N/A	N/A	N/A	-123	Decreasing	Decreasing	-49	Decreasing	Decreasing
gmw-o-21	19	11%		9/1/2021	<0.5	10/8/2010	19000	100.0%	-87	Decreasing	Decreasing	0	*	*	-71	Decreasing	Decreasing	-20	Stable	Stable
gmw-o-23	18	33%		9/1/2021	<0.5	10/8/2010	22000	100.0%	-119	Decreasing	Decreasing	N/A	N/A	N/A	-119	Decreasing	Decreasing	-59	Decreasing	Decreasing
gmw-o-24	17	88%		8/31/2021	<0.5	4/21/2017	1	38%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-3	83	53%		5/4/2021	<0.5	11/27/1996	2900	100%	-2000	Decreasing	Decreasing	-848	Decreasing	Decreasing	39	Stable	Stable	1	Stable	Stable
gmw-o-4	54	98%		5/4/2021	<0.5	5/4/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-4 (mid)	30	100%		10/16/2012	<0.5	10/16/2012	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-5	60	97%		5/4/2021	<0.5	11/22/1996	11	95%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-6	22	100%		4/17/2012	<0.5	4/17/2012	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-7	1	100%		5/7/1999	<0.5	5/7/1999	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-8	22	100%		10/16/2012	<0.5	10/16/2012	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-o-9	53	96%		5/5/2021	<0.5	11/16/1998	3	83%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-sf-10	7	100%		10/17/2012	<0.5	10/17/2012	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-sf-7	61	97%		5/4/2021	<0.5	7/19/2004	<1	50%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-sf-8	58	97%		5/4/2021	<0.5	11/22/1996	5	89%	*	*	*	*	*	*	*	*	*	*	*	*
gmw-sf-9	8	88%		10/17/2012	<0.5	10/12/2011	2	67%	*	*	*	*	*	*	*	*	*	*	*	*
gw-1	6	83%		4/19/2017	<0.5	10/21/2015	2	78%	*	*	*	*	*	*	*	*	*	*	*	*
gw-13(1")	1	100%		11/15/2007	<0.5	11/15/2007	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gw-13(6")	26	92%		5/4/2021	<0.5	11/3/2014	9	95%	*	*	*	*	*	*	*	*	*	*	*	*
gw-14(1")	4	25%		1/13/2010	62	4/18/2008	78	21%	0	Stable	Stable	-1	Stable	Stable	0	*	*	N/A	N/A	N/A
gw-14(6")	10	0%		10/31/2014	160	5/3/2007	200	20%	-5	Stable	Stable	-1	Stable	Stable	7	Stable	Stable	N/A	N/A	N/A
gw-14r	1	0%		10/26/2020	8	10/26/2020	8	0%	*	*	*	*	*	*	*	*	*	*	*	*
gw-15(6")	13	31%		5/10/2021	<0.5	11/3/2014	2700	100%	-56	Decreasing	Decreasing	0	*	*	-46	Decreasing	Decreasing	-28	Decreasing	Decreasing
gw-16(6")	21	71%		5/5/2021	<0.5	11/3/2014	58	99%	-29	Stable	Stable	0	*	*	-35	Stable	Stable	-4	Stable	Stable
gw-2	21	76%		5/6/2021	<0.5	11/3/2014	31	98%	*	*	*	*	*	*	*	*	*	*	*	*
gw-3	33	94%		5/6/2021	<0.5	10/2/2017	2	79%	*	*	*	*	*	*	*	*	*	*	*	*
gw-4	3	100%		10/10/2016	<0.5	10/10/2016	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gw-6	40	85%		5/5/2021	<0.5	11/18/1999	90	99%	*	*	*	*	*	*	*	*	*	*	*	*
gw-7	4	100%		4/19/2017	<0.5	4/19/2017	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gw-8	15	100%		5/5/2021	<0.5	5/5/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gwr-1	29	14%		10/30/2014	<0.5	4/20/2009	3000	100%	-120	Decreasing	Decreasing	27	Stable	Stable	-25	Decreasing	Decreasing	N/A	N/A	N/A
gwr-1r	9	100%		5/5/2021	<0.5	5/5/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
gwr-3	3	0%		10/13/2011	9100	4/13/2011	11000	17%	-1	Stable	Stable	N/A	N/A	N/A	-1	Stable	Stable	N/A	N/A	N/A
hl-2	50	86%		5/6/2021	<0.5	11/27/1996	2600	100%	*	*	*	*	*	*	*	*	*	*	*	*
hl-3	32	97%		5/5/2021	<0.5	3/14/2016	1	55%	*	*	*	*	*	*	*	*	*	*	*	*
hl-4	17	6%		11/3/2004	54	5/7/1999	1100	95%	-21	Stable	Stable	-21	Stable	Stable	N/A	N/A	N/A	N/A	N/A	N/A
hl-5	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
hp-1	1	100%		8/7/1997	<5	8/7/1997	<5	0%	*	*	*	*	*	*	*	*	*	*	*	*
hp-2	1	100%		8/7/1997	<5	8/7/1997	<5	0%	*	*	*	*	*	*	*	*	*	*	*	*
hp-3	1	100%		8/7/1997	<5	8/7/1997	<5	0%	*	*	*	*	*	*	*	*	*	*	*	*
hp-6	1	100%		8/8/1997	<5	8/8/1997	<5	0%	*	*	*	*	*	*	*	*	*	*	*	*
hp-8	1	0%		8/8/1997	11000	8/8/1997	11000	0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-10	13	100%		4/14/2016	<0.5	4/14/2016	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-11	21	62%		7/10/2012	<0.5	4/14/2003	84	99%	40	Stable	Stable	37	Increasing	Stable	0	Stable	Stable	N/A	N/A	N/A
mw-12	47	96%		5/6/2021	<0.5	11/7/2001	1	62%	*	*	*	*	*	*	*	*	*	*	*	*
mw-13	50	96%		5/5/2021	<0.5	4/12/2016	1	47%	*	*	*	*	*	*	*	*	*	*	*	*
mw-14	63	92%		4/19/2017	<0.5	1/6/1998	107	100%	*	*	*	*	*	*	*	*	*	*	*	*
mw-15	23	87%		10/31/2014	<2.5	10/31/2014	<2.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-15r	9	100%		5/5/2021	<0.5	5/5/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
mw-16	56	93%		5/3/2021	<0.5	7/10/1997	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
mw-17	50	100%		5/5/2021	<0.5	7/9/1997	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
mw-18 (mid)	22	64%		5/6/2021	<0.5	4/13/2011	1900	100%	-104	Decreasing	Stable	0	*	*	-97	Decreasing	Stable	-42	Decreasing	Stable
mw-19 (mid)	58	83%		5/6/2021	<0.5	5/17/2000	1900	100%	*	*	*	*	*	*	*	*	*	*	*	*
mw-20 (mid)	51	96%		5/5/2021	<0.5	5/9/2001	<50	99%	*	*	*	*	*	*	*	*	*	*	*	*
mw-21 (mid)	32	94%		5/5/2021	<0.5	11/29/2000	4	86%	*	*	*	*	*	*	*	*	*	*	*	*
mw-22 (mid)	73	93%		5/6/2021	<0.5	5/7/1999	8	94%	*	*	*	*	*	*	*	*	*	*	*	*
mw-23 (mid)	32	91%		4/11/2013	<0.5	7/9/1997	160	100%	*	*	*	*	*	*	*	*	*	*	*	*
mw-24	49	92%		5/4/2021	<0.5	1/6/1998	93	99%	*	*	*	*	*	*	*	*	*	*	*	*
mw-25	38	97%		11/7/2019	<0.5	7/9/1997	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
mw-26	50	58%		5/4/2021	<0.5	5/26/1999	3000	100%	-260	Decreasing	Stable	-118	Decreasing	Stable	-59	Decreasing	Stable	-20	Stable	Stable
mw-27	49	76%		5/7/2021	<0.5	11/18/1999	1700	100%	*	*	*	*	*	*	*	*	*	*	*	*
mw-28	14	93%		4/20/2017	<0.5	7/10/1997	<5	90%	*	*	*	*	*	*	*	*	*	*	*	*
mw-29	27	56%		5/4/2021	<0.5	5/21/1998	313	100%	-168	Decreasing	Decreasing	-23	Decreasing	Decreasing	-11	Stable	Stable	0	Stable	Stable
mw-6	50	98%		5/5/2021	<0.5	11/17/1998	5	90%	*	*	*	*	*	*	*	*	*	*	*	*
mw-7	50	86%		5/5/2021	<0.5	7/14/1997	88	99%	*	*	*	*	*	*	*	*	*	*	*	*
mw-8	63	94%		5/4/2021	<0.5	11/26/1996	4400	100%	*	*	*	*	*	*	*	*	*	*	*	*
mw-9	38	34%		5/5/2021	<0.5	5/26/1998	69	99%	-444	Decreasing	Decreasing	-2	Stable	Stable	-183	Decreasing	Decreasing	-10	Stable	Stable

Table F-2. Benzene in Groundwater – Statistical Summary
SFPP Norwalk Pump Station, Norwalk, California

Well	Whole Dataset		LAST RESULT DATE	LAST RESULT	HISTORICAL HIGH RESULT DATE	HISTORICAL HIGH RESULT	DIFFERENCE	Whole Dataset			Pre-2010			Post-2010			Post-2016		
	NumObs	% NDs						MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend	MK (S)	MK Trend	TS Trend
mw-o-1	7	29%	2/25/2021	<0.5	10/27/2015	5900	100%	-12	Decreasing	Decreasing	N/A	N/A	N/A	-12	Decreasing	Decreasing	0	*	*
mw-o-2	15	0%	8/31/2021	86	10/11/2013	17000	99.5%	-29	Stable	Stable	N/A	N/A	N/A	-29	Stable	Stable	-11	Stable	Stable
mw-sf-1	45	20%	5/6/2021	<0.5	11/3/2004	13000	100%	-443	Decreasing	Decreasing	61	Increasing	Stable	-163	Decreasing	Decreasing	-8	Stable	Stable
mw-sf-10	3	0%	10/13/2011	320	10/5/2010	1500	79%	-3	Stable	Decreasing	N/A	N/A	N/A	-3	Stable	Decreasing	N/A	N/A	N/A
mw-sf-11	5	0%	10/18/2012	18000	10/18/2012	18000	0%	6	Stable	Stable	N/A	N/A	N/A	6	Stable	Stable	N/A	N/A	N/A
mw-sf-12	3	0%	10/13/2011	24000	10/13/2011	24000	0%	3	Stable	Stable	N/A	N/A	N/A	3	Stable	Stable	N/A	N/A	N/A
mw-sf-13	14	36%	5/6/2021	<0.5	10/14/2011	12000	100%	-81	Decreasing	Decreasing	N/A	N/A	N/A	-81	Decreasing	Decreasing	-49	Decreasing	Decreasing
mw-sf-14	8	0%	4/15/2016	5	4/29/2011	12000	100%	-20	Decreasing	Decreasing	N/A	N/A	N/A	-20	Decreasing	Decreasing	0	*	*
mw-sf-15	14	14%	5/6/2021	<0.5	10/14/2011	11000	100%	-68	Decreasing	Decreasing	N/A	N/A	N/A	-68	Decreasing	Decreasing	-38	Decreasing	Decreasing
mw-sf-16	6	0%	10/27/2015	750	10/31/2014	7400	90%	-3	Stable	Stable	N/A	N/A	N/A	-3	Stable	Stable	N/A	N/A	N/A
mw-sf-2	3	0%	10/13/2011	18000	10/5/2010	21000	14%	-1	Stable	Stable	N/A	N/A	N/A	-1	Stable	Stable	N/A	N/A	N/A
mw-sf-3	4	0%	11/3/2015	11000	11/3/2015	11000	0%	4	Stable	Stable	N/A	N/A	N/A	4	Stable	Stable	N/A	N/A	N/A
mw-sf-4	28	25%	5/6/2021	<0.5	10/7/2010	8900	100%	-190	Decreasing	Decreasing	6	Stable	Stable	-143	Decreasing	Decreasing	-23	Decreasing	Stable
mw-sf-5	6	0%	10/27/2015	13	4/24/2015	190	93%	-3	Stable	Stable	N/A	N/A	N/A	-3	Stable	Stable	N/A	N/A	N/A
mw-sf-6	14	0%	5/6/2021	6	10/8/2010	15000	100%	-69	Decreasing	Decreasing	N/A	N/A	N/A	-69	Decreasing	Decreasing	-35	Decreasing	Decreasing
mw-sf-9	18	6%	4/14/2016	96	3/11/2003	3200	97%	-5	Stable	Stable	-15	Stable	Stable	5	Stable	Stable	0	*	*
pw-7	1	100%	11/8/2005	<0.5	11/8/2005	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
pw-1	31	100%	11/7/2019	<0.5	11/27/1996	<1	50%	*	*	*	*	*	*	*	*	*	*	*	*
pw-2	34	97%	4/17/2008	<0.5	11/16/1998	16	97%	*	*	*	*	*	*	*	*	*	*	*	*
pw-3	55	96%	5/6/2021	<0.5	7/14/1997	6	92%	*	*	*	*	*	*	*	*	*	*	*	*
pz-1	12	42%	4/9/2002	<2.5	5/6/1999	500	100%	1	Stable	Stable	1	Stable	Stable	N/A	N/A	N/A	N/A	N/A	N/A
pz-10	31	39%	4/14/2016	<1	4/22/2004	2100	100%	-116	Decreasing	Decreasing	-68	Decreasing	Stable	5	Stable	Stable	0	*	*
pz-2	19	53%	5/5/2021	<0.5	3/15/2016	150	100%	-87	Decreasing	Decreasing	N/A	N/A	N/A	-87	Decreasing	Decreasing	-55	Decreasing	Stable
pz-3	20	35%	5/7/2021	<0.5	4/22/2004	6300	100%	-57	Decreasing	Stable	0	*	*	-36	Decreasing	Stable	-16	Decreasing	Stable
pz-5	72	28%	5/5/2021	<0.5	4/16/2014	70000	100%	687	Increasing	Increasing	81	Increasing	Increasing	-56	Stable	Stable	-7	Stable	Stable
pz-6	5	100%	7/8/2004	<0.5	7/8/2004	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
pz-7a	4	100%	8/2/2005	<0.5	8/2/2005	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
pz-7b	4	100%	8/2/2005	<0.5	8/2/2005	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
pz-8a	5	100%	12/6/2006	<0.5	12/6/2006	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
pz-8b	5	100%	12/6/2006	<0.5	12/6/2006	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
pz-9a	4	100%	8/2/2005	<0.5	8/2/2005	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
pz-9b	4	100%	8/2/2005	<0.5	8/2/2005	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
rtf-18-n	1	0%	4/24/2017	1700	4/24/2017	1700	0%	*	*	*	*	*	*	*	*	*	*	*	*
rtf-18-nnw	1	0%	4/24/2017	5000	4/24/2017	5000	0%	*	*	*	*	*	*	*	*	*	*	*	*
tf-14	2	0%	2/21/2004	370	2/21/2004	370	0%	*	*	*	*	*	*	*	*	*	*	*	*
tf-15	3	0%	5/12/2021	37	5/12/2020	230	84%	-3	Stable	Decreasing	N/A	N/A	N/A	-3	Stable	Decreasing	-3	Stable	Decreasing
tf-16	25	0%	5/12/2021	8	4/17/2014	740	99%	-38	Stable	Stable	-2	Stable	Stable	-1	Stable	Stable	-3	Stable	Decreasing
tf-17	3	0%	11/3/2014	68	11/3/2014	68	0%	1	Stable	Stable	N/A	N/A	N/A	1	Stable	Stable	N/A	N/A	N/A
tf-17r	3	0%	5/10/2021	67	5/12/2020	370	82%	-1	Stable	Stable	N/A	N/A	N/A	-1	Stable	Stable	-1	Stable	Stable
tf-18	4	0%	5/12/2021	13	4/24/2017	320	96%	-6	Decreasing	Decreasing	N/A	N/A	N/A	-6	Decreasing	Decreasing	-6	Decreasing	Decreasing
tf-19	1	100%	11/6/2018	<0.5	11/6/2018	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
tf-20r	8	25%	5/10/2021	<0.5	10/10/2017	490	100%	-27	Decreasing	Decreasing	N/A	N/A	N/A	-27	Decreasing	Decreasing	-27	Decreasing	Decreasing
tf-21	34	9%	5/5/2021	<0.5	2/21/2004	820	100%	-334	Decreasing	Decreasing	-56	Decreasing	Decreasing	-115	Decreasing	Decreasing	-30	Decreasing	Decreasing
tf-23	5	40%	5/12/2021	<2.5	5/11/2020	73	97%	2	Stable	Stable	N/A	N/A	N/A	2	Stable	Stable	2	Stable	Stable
tf-24	14	93%	5/12/2021	<0.5	4/20/2018	2	71%	*	*	*	*	*	*	*	*	*	*	*	*
tf-8	18	83%	5/7/2021	<0.5	2/21/2004	3	84%	*	*	*	*	*	*	*	*	*	*	*	*
tf-9	3	0%	10/31/2014	6	10/31/2014	6	0%	3	Stable	Increasing	N/A	N/A	N/A	3	Stable	Increasing	N/A	N/A	N/A
tf-9r	8	63%	5/7/2021	<0.5	10/5/2017	36	99%	-18	Decreasing	Stable	N/A	N/A	N/A	-18	Decreasing	Stable	-18	Decreasing	Stable
wcw-1	30	97%	4/17/2012	<0.5	5/6/1999	2	76%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-10	12	92%	4/9/2002	<0.5	11/30/2000	1	50%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-11	12	92%	4/9/2002	<0.5	11/30/2000	1	38%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-12	50	98%	5/4/2021	<0.5	5/6/1999	1	64%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-13	75	97%	5/4/2021	<0.5	5/6/1999	1	43%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-14	47	98%	5/5/2021	<0.5	5/6/1999	2	72%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-2	58	98%	5/4/2021	<0.5	11/30/2000	1	17%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-3	80	100%	5/4/2021	<0.5	8/26/1998	<2.5	80%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-4	50	96%	5/4/2021	<0.5	5/6/1999	2	76%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-5	50	98%	5/4/2021	<0.5	5/5/1999	10	95%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-6	50	100%	5/4/2021	<0.5	5/4/2021	<0.5	0%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-7	73	99%	5/5/2021	<0.5	10/6/2017	1	58%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-8	54	98%	5/5/2021	<0.5	11/30/2000	1	44%	*	*	*	*	*	*	*	*	*	*	*	*
wcw-9	12	92%	4/11/2002	<0.5	11/30/2000	1	17%	*	*	*	*	*	*	*	*	*	*	*	*

Notes:
 *Valid statistical trend analysis requires 3 or more observations, with less than 75% nondetect values per well.
 Stable = Trend in well is not statistically significant
 Increasing = Statistically significant increasing trend observed in the data over time.
 Decreasing = Statistically significant decreasing trend observed in the data over time.
 N/A = not available
 ND = nondetect
 MK = Mann-Kendall
 S = MK test statistical value; the greater the value,
 TS = Theil-Sen

Appendix F
API Workbook (GMW-23)

API LNAPL Transmissivity Workbook
Calculation of LNAPL Transmissivity from Baildown Test Data

STEP 1: RESET OUTPUT SUMMARY

STEP 2: ENTER DATA & VIEW FIGURES

STEP 3: CHOOSE WELL CONDITIONS

STEP 4: LNAPL TRANSMISSIVITY SUMMARY

Mean LNAPL Transmissivity (ft²/d)

0.01

Standard Deviation (ft²/d)

0.00

Coefficient of Variation

0.62

Well Designation: GMW-23 Beckett and Lyverse (2002)
 Date: 31-Aug-21

Ground Surface Elev (ft msl)	0.0	Enter These Data	Drawdown Adjustment (ft)
Top of Casing Elev (ft msl)	0.0		
Well Casing Radius, r_c (ft):	0.167		
Well Radius, r_w (ft):	0.500	r_{e1}	0
LNAPL Specific Yield, S_y :	0.175		
LNAPL Density Ratio, ρ_r :	0.780		
Top of Screen (ft bgs):	25.0		
Bottom of Screen (ft bgs):	60.0		
LNAPL Baildown Vol. (gal.):	6.00		
Effective Radius, r_{e3} (ft):	0.258	Calculated Parameters	
Effective Radius, r_{e2} (ft):	0.236		
Initial Casing LNAPL Vol. (gal.):	3.67	8.80	6.00
Initial Filter LNAPL Vol. (gal.):	5.14		

borehole recharge

Submerged Screen	No
Radius of Influence Ratio	30.00
Theim Transmissivity (ft ² /day)	NA
Constant Discharge (ft ³ /day)	NA
Constant Confined Drawdown (ft)	NA
LNAPL Behavior (Perched, Unconfined, or Confined)	unconfined
Confining Layer Depth (ft bgs)	NA
Perched Confining Layer Depth (ft bgs)	NA
Formation Thickness (ft)	4.00

LNAPL Transmissivity (ft ² /day)			
B&R Method	C&J Method	CB&P	Theim Method
0.003	0.01	0.01	NA

Recovery Rate Estimates	
Average Transmissivity (ft ² /day)	0.01
Skimming Systems	
Maximum Skimming Drawdown (ft)	0.88
Estimated Skimming Recovery Rate (gpd)	0.07
Enhanced Skimming System	
Drawdown Enhancement (Vacuum or Water) (ft H)	1.00
Estimated Enhanced Skimming Recovery Rate (gpd)	0.18

Initial Fluid Levels:	Enter Data Here					Water Table Depth (ft)	LNAPL Drawdown s_n (ft)
	Time (min)	DTP (ft btoc)	DTW (ft btoc)	DTP (ft bgs)	DTW (ft bgs)		
8/31/2021 10:00:00	0	33.270	38.890	33.270	38.890	34.51	
8/31/2021 11:30:00	30.00	41.26	41.41	41.26	41.41	41.293	7.990
9/1/2021 9:15:00	1335.00	33.98	34.87	33.98	34.87	34.176	1.041
9/9/2021 14:20:00	13160.00	34.35	36.03	34.35	36.03	34.720	0.867
9/16/2021 10:10:00	22990.00	33.33	35.48	33.33	35.48	33.803	0.763
9/23/2021 13:00:00	33240.00	34.12	36.33	34.12	36.33	34.606	0.750
10/7/2021 11:55	53335.00	33.70	36.41	33.70	36.41	34.296	0.640

LNAPL				
Average Time (min)	Discharge Q_n (ft ³ /d)	s_n (ft)	b_n (ft)	r_e (ft)
			5.62	
			0.15	
682.5	0.1710	4.52	0.89	0.258
7247.5	0.0201	0.95	1.68	0.258
18075.0	0.0144	0.82	2.15	0.258
28115.0	0.0018	0.76	2.21	0.258
43287.5	0.0075	0.70	2.71	0.258

Figure 1

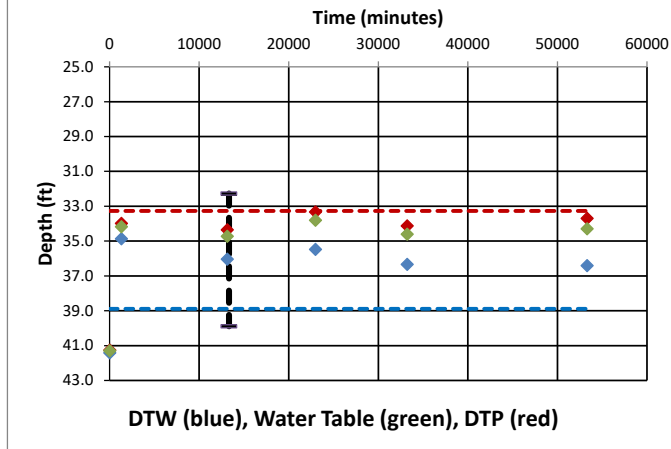
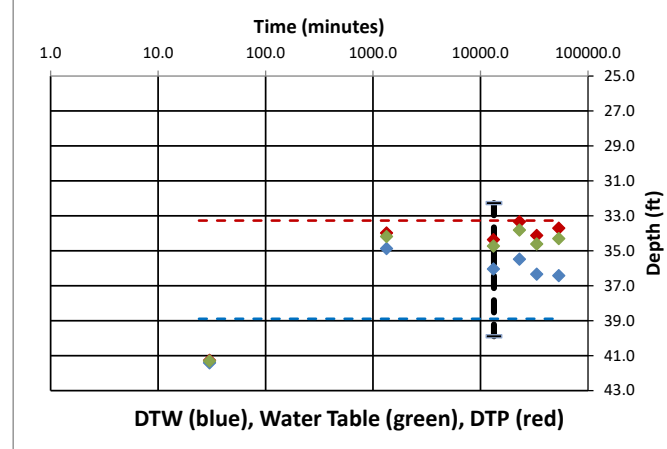


Figure 2



24.0	33.27
53335	33.27
24.0	38.89
53335	38.89
13333.8	32.27
13333.8	39.9

Figure 3

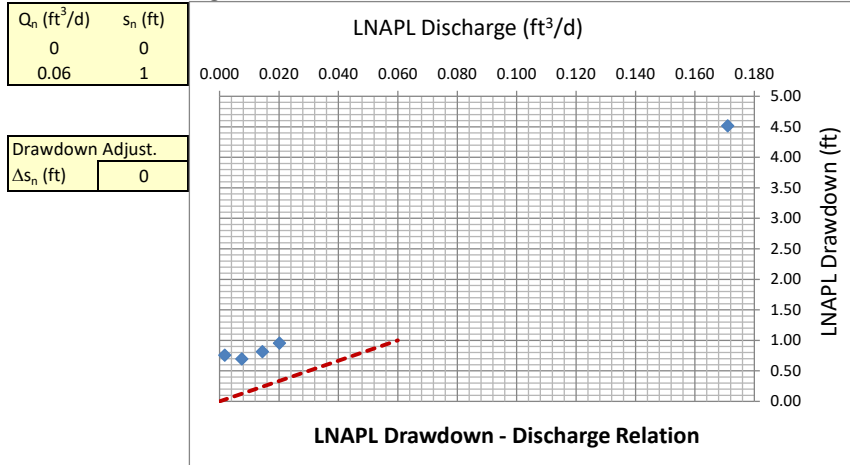
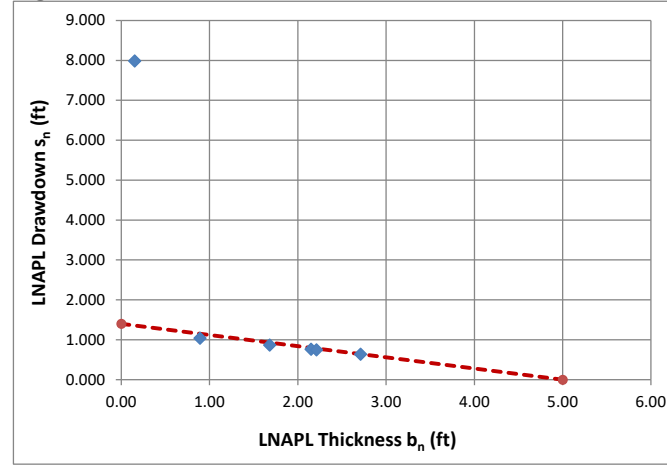


Figure 4



b_n	s_n
5	0
0	1.4

J-ratio	-0.280
---------	--------

Figure 5

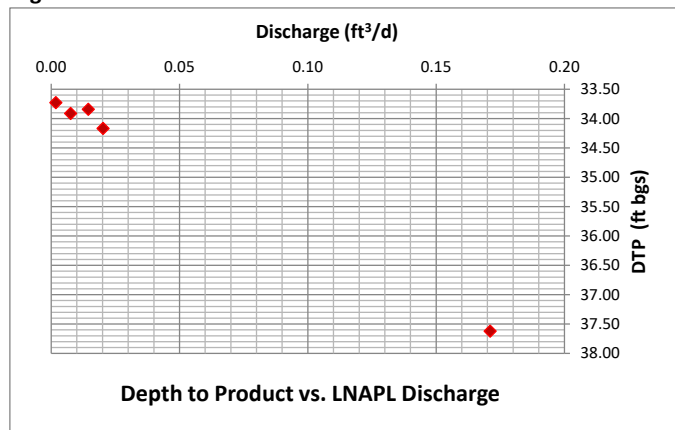


Figure 6

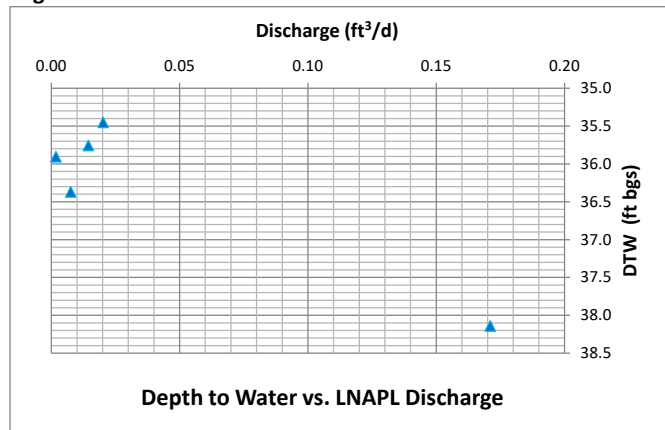


Figure 7

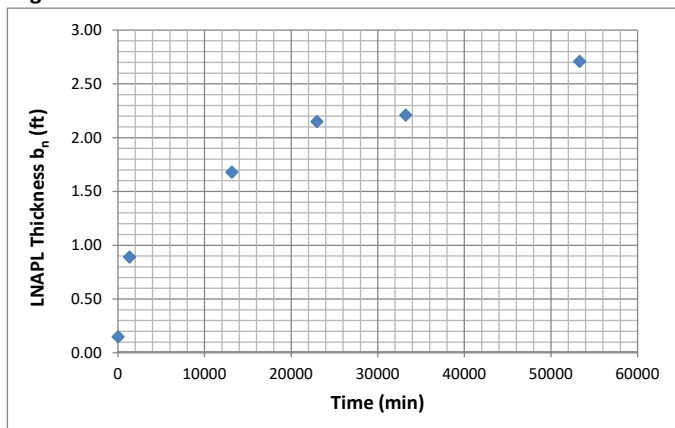


Figure 8

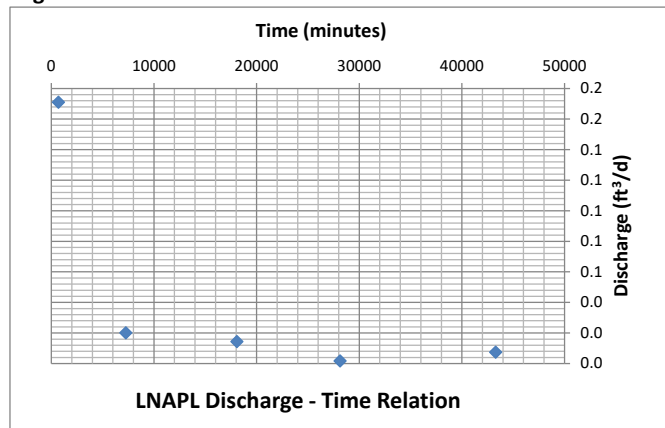


Figure 9

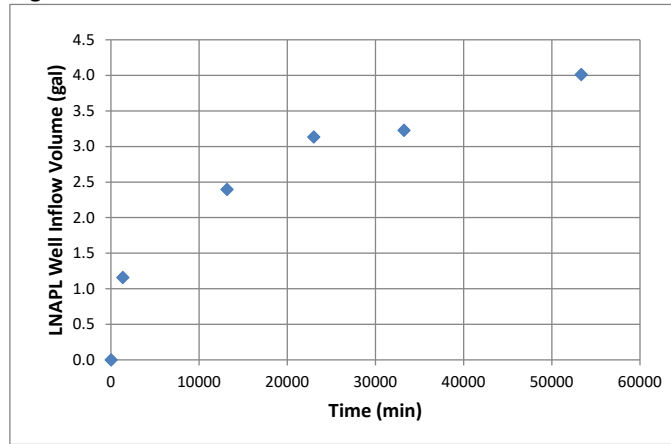
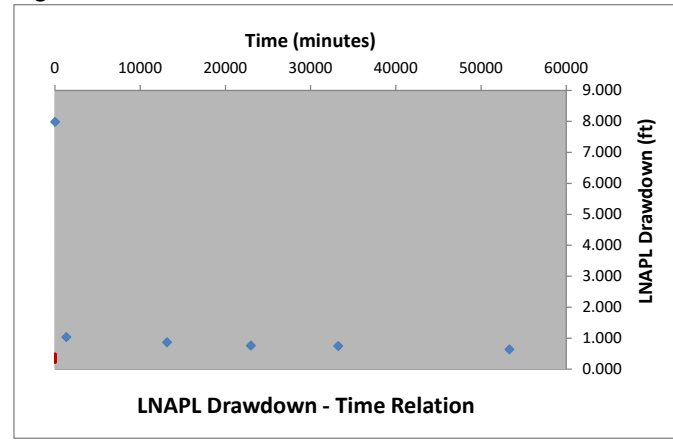


Figure 10



t (min)	s _n (ft)
10	0.48
10	0

Generalized Bouwer and Rice (1976)

Well Designation:	GMW-23
Date:	31-Aug-21

$$T_n = \frac{r_e^2 \ln(R/r_e) \ln(s_n(t_1)/s_n(t))}{2(-J)(t-t_1)}$$

Enter early time cut-off for least-squares model fit

Time_{cut} <- Enter or change value here

Model Results: +/- ft²/d

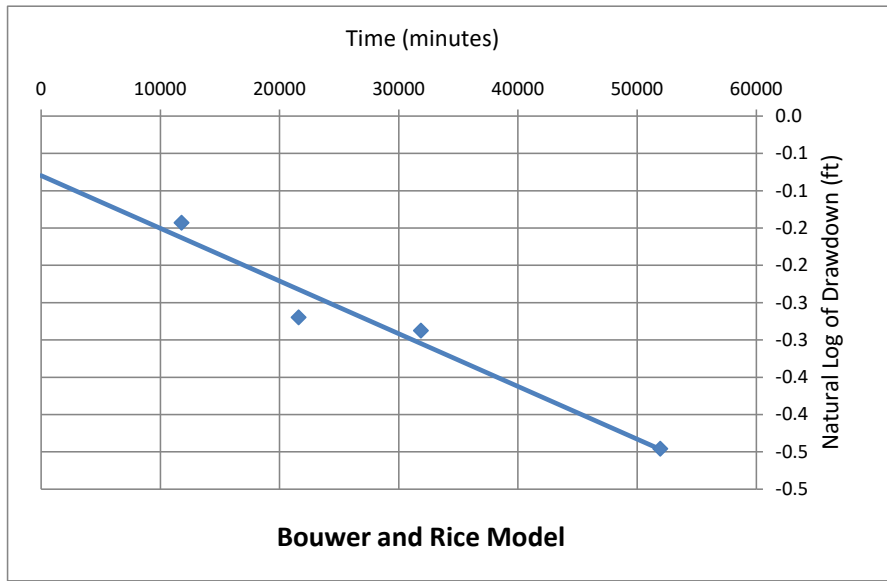
L_e/r_e
21.8

C
1.66

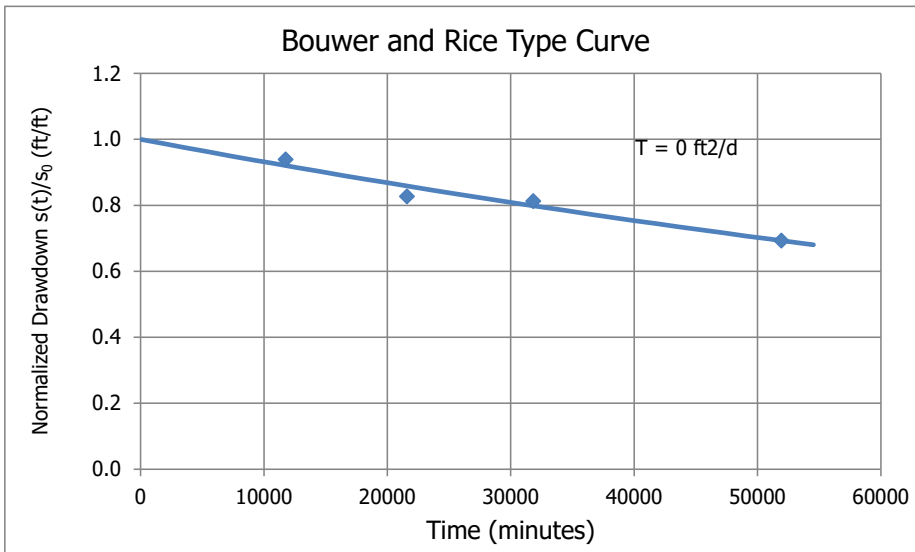
R/r_e
10.05

J-Ratio
-0.280

Coef. Of Variation
0.15



C coefficient calculated from Eq. 6.5(c) of Butler, The Design, Performance, and Analysis of Slug Tests, CRC Press, 2000.



Cooper and Jacob (1946)

Well Designation:	GMW-23
Date:	31-Aug-21

$$V_n(t_i) = \sum_j^i \frac{4\pi T_n S_j}{\ln\left(\frac{2.25 T_n t_j}{r_e^2 S_n}\right)} \Delta t_j$$

Enter early time cut-off for least-squares model fit

Time _{cut} (min):	1400	<- Enter or change values here
Time Adjustment (min):	1300	

Trial S_n: <- Enter d for default or enter S_n value

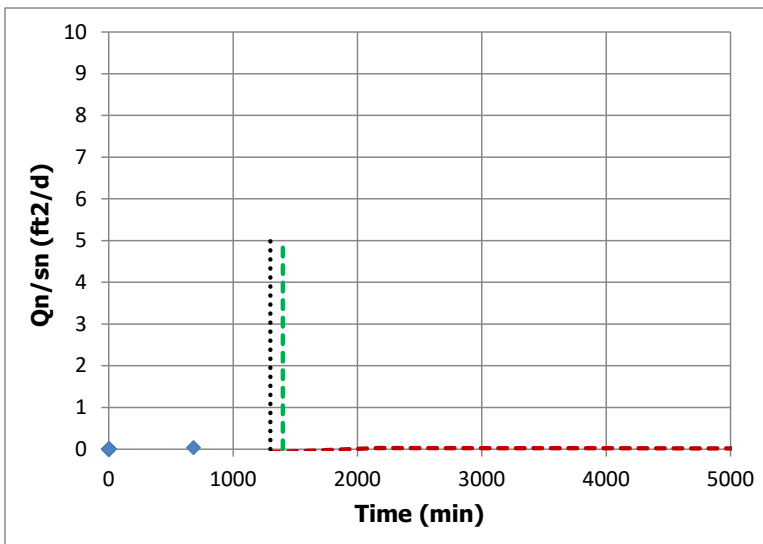
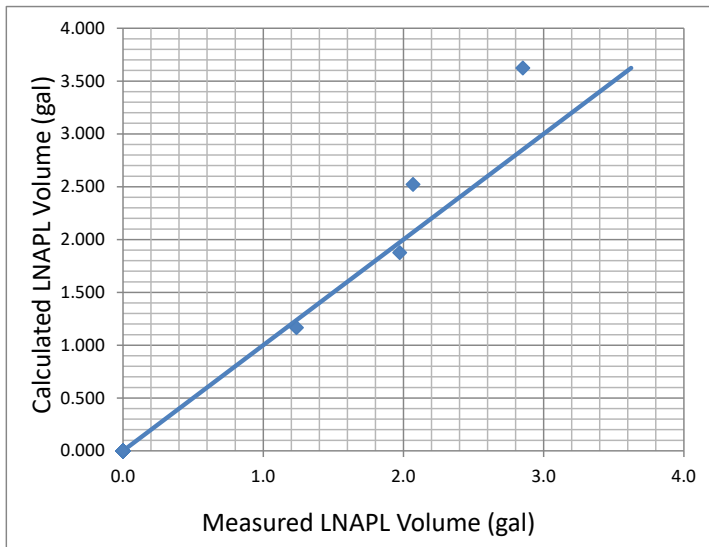
Root-Mean-Square Error: <- Minimize this using "Solver"

<- Working S_n

Trial T_n (ft²/d): <- By changing T_n through "Solver"

Add constraint T_n > 0.00001

Model Result:



Height

Cooper, Bredehoeft and Papadopoulos (1967)

Well Designation:	GMW-23
Date:	31-Aug-21

Enter early time cut-off for least-squares model fit

Time _{cut} (min):	1500	<- Enter or change values here
Initial Drawdown s_n (ft):	1.0406	

Trial S_n : d <-- Enter d for default

Root-Mean-Square Error: 0.065 <-- Minimize this using "Solver"

Trial T_n (ft²/d): 0.005 <-- By changing T_n through "Solver"

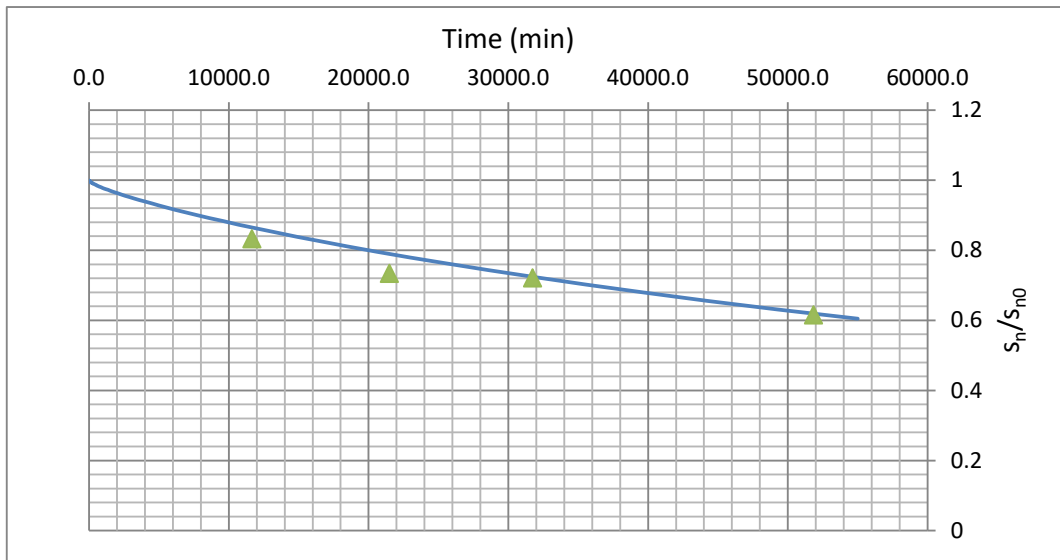
0.002 <-- Working S_n

Add constraint $T_n > 0.00001$

Model Result:

T_n (ft²/d) = 0.01

T_{min}	1
T_{max}	55000



J-Ratio
-0.280

Bouwer and Rice Short Term LNAPL Mobility Test Type Curves

B&R Type Curves: Casing Rad. (ft) = 0.166666666666667 ; Borehole Rad. (ft) = 0.5

Enter these values

Type Curve ID	Type Curve Name	Notes	Max Time (min)	Transmissivity (ft ² /day)
1	T=0.03 ft ² /day		144000	0.03
2	T=0.015 ft ² /day		144000	0.015
3	T=0.0075 ft ² /day		144000	0.0075
4	T=0.00375 ft ² /day		144000	0.00375
5	T=0.001875 ft ² /day		144000	0.001875
6	T= ft ² /day			
7	T= ft ² /day			

J-Ratio	
-0.280	<-- If uncertain use
	-0.22

B&R Type Curves: Casing Rad. (ft) = 0.166666666666667 ; Borehole Rad. (ft) = 0.5

